

City of Mercer Island

Americans with Disabilities Act



ADA Transition Plan

2022

Prepared by:

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WHAT TRANSPORTATION CAN BE.





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For questions about the City of Mercer Island ADA Transition Plan or for access to an alternate format of this document email the City of Mercer Island ADA Coordinator Jason Kintner at jason.kintner@mercergov.org or by calling toll free, Voice: 206-275-7600 TTY Relay Service: 711

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Executive Summary

This Americans with Disabilities Act (ADA) Self-Evaluation and Transition Plan reflects the City of Mercer Island's intention to provide equal access for all, including those with disabilities. In developing this plan, Transpo Group, a consultant working on behalf of the City of Mercer Island, has undertaken a comprehensive evaluation of City facilities and policies related to the public right-of-way to determine what types of access barriers exist for individuals with disabilities. This plan will be used to help guide future planning and implementation of necessary accessibility improvements.

Both the Self-Evaluation and the Transition Plan are required elements of the federally mandated ADA Title II [28 CFR § 35.150(d)] which requires that government agencies provide equal access to programs and services they offer. While the ADA applies to all aspects of government services, this document focuses on existing City of Mercer Island conditions within the public right-of-way, City facilities, and City parks. This includes the conditions of sidewalks, curb ramps, pedestrian crosswalk pushbuttons, bus stops, crosswalks, driveways accessible parking stalls, staircases, and wheelchair ramps.

This document summarizes the Self-Evaluation, which includes an accessibility assessment of pedestrian facilities as well as practices and procedures which relate to them, such as curb ramp design standards. It also contains a Transition Plan, which identifies a suggested schedule for the removal of barriers and identifies how the City will address requests for accommodations in a consistent manner.

The City's intent is to identify and address physical barriers within the public right-of-way and City facilities including buildings and parks using operation and maintenance, overlay, and Capital Improvement Program (CIP) project funding. The City will prioritize barrier removal and replacement in future years in accordance with goals established by the City Council and available funding. In addition, the City is continually working towards maintaining ADA compliance for all future public right-of-way and facilities as well as capital improvement projects, permitted development, and any other right-of-way construction projects.

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1 Plan Introduction

1.1 Plan Requirement

The Americans with Disabilities Act (ADA) was enacted on July 26, 1990 and provides comprehensive civil rights protections to persons with disabilities in the areas of employment, state and local government services, and access to public accommodations, transportation, and telecommunications.

Cities and other government agencies are required to have an ADA self-evaluation and transition plan when they grow beyond a threshold of 50 employees. Accessibility requirements extend to all public facilities. The scope of this plan is focused on accessibility within the public rights-of-way, parks, and building facilities.

The City completed an inventory of some of its pedestrian facilities and this plan allows the City to prioritize removal of barriers and update procedures as they relate to the public right-of-way.

There are five titles, or parts, to the ADA of which Title II is most pertinent to travel within the public right-of-way and government owned buildings. Title II of the ADA requires public entities to make their existing “programs” accessible “except where to do so would result in a fundamental alteration in the nature of the program or an undue financial and administrative burden.” Public right-of-way, public government buildings, and public parks all fall within the City’s programs.

This effort was initiated by the City of Mercer Island to satisfy the requirements of ADA Title II Part 35, Subpart D: Program Accessibility § 35.150 (d)(3) which states:

The plan shall, at a minimum:

- i. Identify physical obstacles in the public entity’s facilities that limit the accessibility of its programs or activities to individuals with disabilities;
- ii. Describe in detail the methods that will be used to make the facilities accessible;
- iii. Specify the schedule for taking the steps necessary to achieve compliance with this section and, if the time period of the transition plan is longer than one year, identify steps that will be taken during each year
- iv. Indicate the official responsible for implementation of the plan.

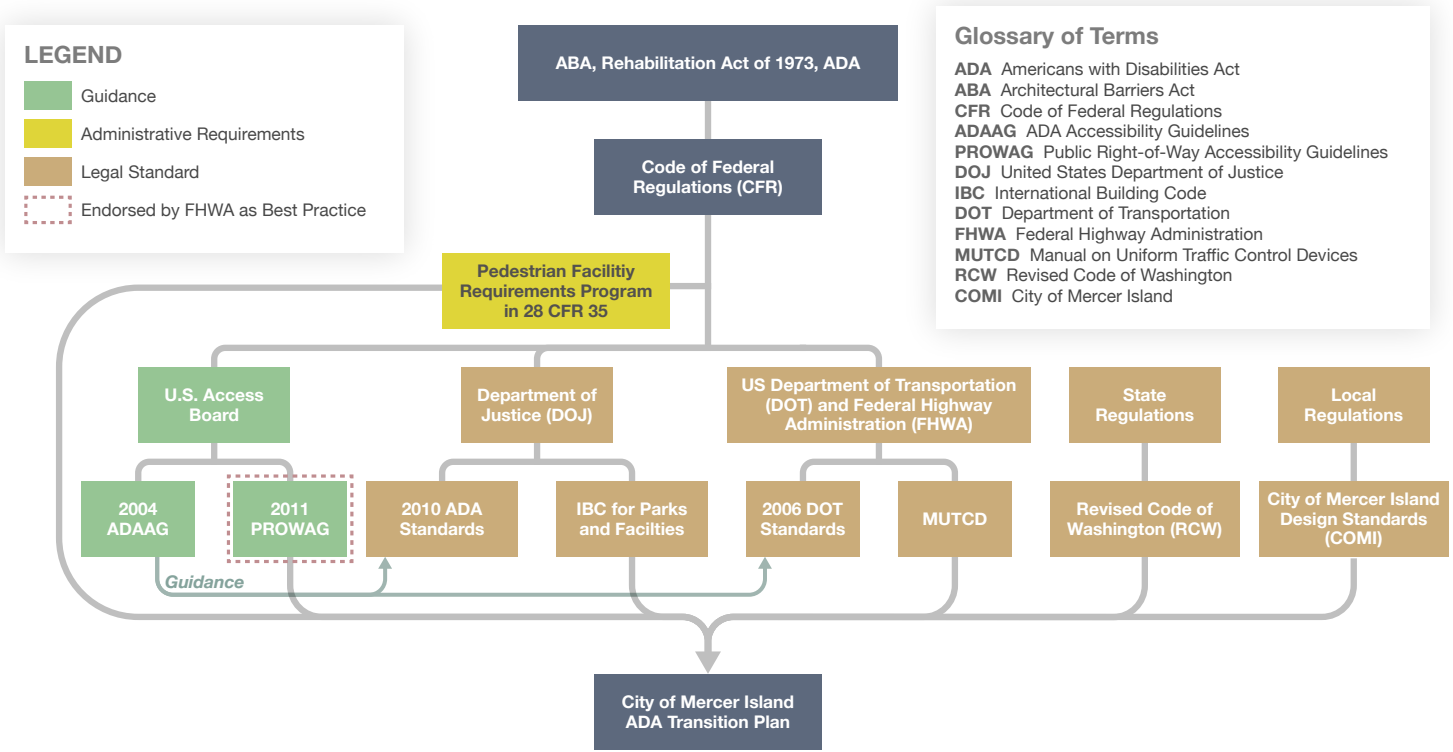


Figure 1-1 Source of ADA Requirements

To determine the physical obstacles in a public entity’s facility, the proper standards and guidance must be identified for each feature type.

The 2010 ADA Standards for Accessible Design (ADAS), is the standards document in which all Federal ADA standards are collectively held. The 2010 ADAS and regulations from the 28 CFR Part 36 replaced the 1991 ADA (ADA Accessibility Guidelines (ADAAG)).

The [Revised Draft Guidelines for Accessible Public Rights-of-Way](#) was published by the United States Access Board in 2005 to provide guidance on establishing accessible facilities within the right-of-way. The United States Access Board’s [Proposed Guidelines for Pedestrian Facilities in the Public Right-of-Way](#), or PROWAG, was then published for comment in 2011 as a revised set of guidelines for right-of-way pedestrian facilities. Both the 2005 and 2011 guidelines have not yet been adopted as federal standards. Despite this delay, many public entities currently use the 2005 draft PROWAG as ‘best practice’ for features within the public rights-of-way. This practice has been endorsed by the Federal Highway Administration (FHWA), the US Access Board, and is the standard the Washington Department of Transportation adheres to.

The public right-of-way facilities evaluated under this plan were evaluated against 2011 PROWAG as this is the latest guideline developed by the Access Board.

1.2 Plan Structure

The structure of this plan was organized to closely follow federal ADA transition plan requirements. This includes:

Chapter 1: Introduction

Chapter 2: Self-Evaluation Documents Self-Evaluation methods and findings for policies, practices, design standards, and pedestrian facilities that result in accessibility barriers.

Chapter 3: Stakeholder Engagement Documents public engagement methods and findings.

Chapter 4: Pedestrian Barrier Removal Methods and Schedule Provides an overview of existing barrier removal approaches employed by the City, describes barrier removal priorities, and develops a total planning level cost estimate for the removal of existing pedestrian barriers and an accompanying schedule.

Chapter 5 Recommendations and Next Steps Provides a set of recommendations to inform the implementation of this Transition Plan and ongoing removal of pedestrian barriers.

Several associated appendix items are included to supplement this plan.

2 Self-Evaluation

Title II of the Americans with Disabilities Act (ADA) requires that jurisdictions evaluate services, programs, policies, and practices to determine whether they comply with the nondiscrimination requirements of the ADA.

This chapter describes the methods and findings of the Self-Evaluation. Section 2.1 provides an overview of ADA-related City policies. Next, Section 2.2 reviews county practices and design standards. Finally, Section 2.3 summarizes the Self-Evaluation's field data collection methods and findings regarding existing pedestrian facilities, such as sidewalks and curb ramps.

2.1 Policy Review

The City of Mercer Island primarily addresses pedestrian facilities in their City of Mercer Island Standard Details and Municipal Code. The City of Mercer Island Comprehensive Plan (2016) also includes goals and policies that address pedestrian connectivity.

The policies and standards were reviewed against the Access Board's Proposed Guidelines for Pedestrian Facilities in the Public Right-of-Way, PROWAG 2011 and recommendations were provided to fill gaps as they relate to the ADA.

2.1.1 Method

These documents were reviewed for content that relate to existing ADA programs, policies, and practices.

2.1.2 Findings

The City of Mercer Island develops a Comprehensive Plan in order to complete long range planning for the City. The latest version of this plan was updated in 2016. The plan covers topics including land use, housing, transportation, utilities, capital facilities, and shoreline master program policies.

Goals and policies connected to transportation, specifically pedestrian facilities, within the Comprehensive Plan generally include the following:

- Encourage measures to reduce vehicular trips using Transportation Demand Management strategies
- Provide for and encourage non-motorized travel modes

2.2.1 Public ROW

Practices and design standards that meet accessibility standards are essential to ensure new or upgraded pedestrian facilities are accessible and that these upgrades contribute to the removal of accessibility barriers throughout the City. This section summarizes a review of City practices and design standards for barriers and includes major findings of this work. Complete documentation of this work can be found in **Appendix A**. The audit was conducted in November of 2021.

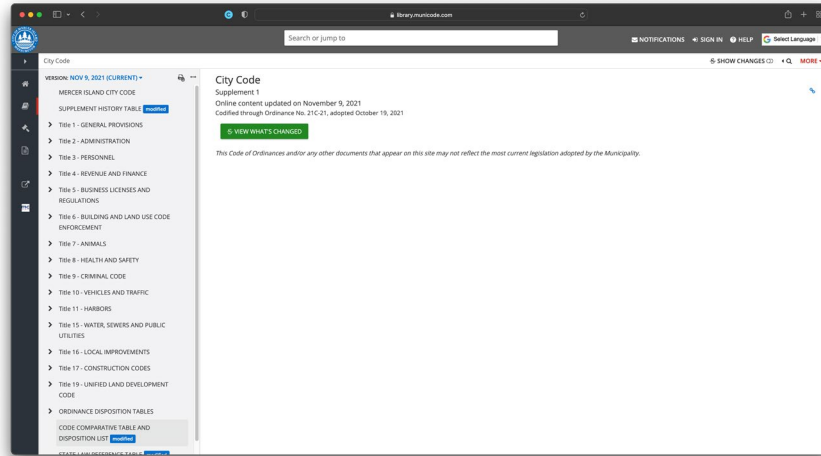


Figure 2-1 City of Mercer Island Municipal Code Web Page

- Improve pedestrian access to transit with on and off road pedestrian improvements
- Encourage site and building design that promotes pedestrian activity, rideshare opportunity, and transit use
- Promote development of pedestrian linkages between public development, private development, and transit
- Promote a multi-modal transportation system
- Promote bicycle and pedestrian networks that safely access and link commercial areas, residential areas, schools, and parks within the City
- Meet ADA requirements and apply ADA standards to the development of the transportation system

2.2 Practices and Design Standards

Practices and design standards that meet accessibility standards are essential to ensure that new or upgraded pedestrian facilities are accessible and therefore reduce the number of accessibility barriers throughout the City.

This section summarizes a review of the City of Mercer Island Standard Details (MI Std.) and City of Mercer Island Municipal Code (MIC) (to identify any barriers to accessible design. The review was conducted in November 2021. For greater detail on the practices and standards review, see **Appendix A** for a barrier audit memo.

2.2.1.1 Method

The City of Mercer Island Standard Details and MIC were reviewed for compliance with ADA guidelines found in the 2011 Proposed Guidelines for Pedestrian Facilities in the Public Right-of Way (PROWAG).

2.2.1.2 Findings

The City of Mercer Island maintains the MIC and adopted design standard plans for sidewalks, curb ramps, parking spaces, and driveways. Figure 2-1 shows the web pages where the municipal code can be accessed.

The City’s design standards and code are limited to guidance for sidewalks, curb ramps, parking spaces, driveways, and stairways. This represents a portion of the design elements associated with ADA compliance. The review recommended several changes to the current City standards to achieve ADA compliance and improve clarity. Most recommendations to the City standards were intended to improve clarity, increase consistency across figures, and provide a greater level of detail for design elements that have not yet been addressed.

The City standards and code do not address or only partially address crosswalks, signals, transit stops, ramps, and handrails. It is recommended for many of these areas that the City may:

- Modify the City of Mercer Island Municipal Code to adopt the WSDOT Design Manual Chapter 15 **or**
- Modify the City of Mercer Island Municipal Code to include a section detailing the recommended design requirements that are currently missing **or**
- Modify the City of Mercer Island Municipal code to adopt a City of Mercer Island Design Manual with chapters pertaining to each of the design elements associated with ADA compliance.

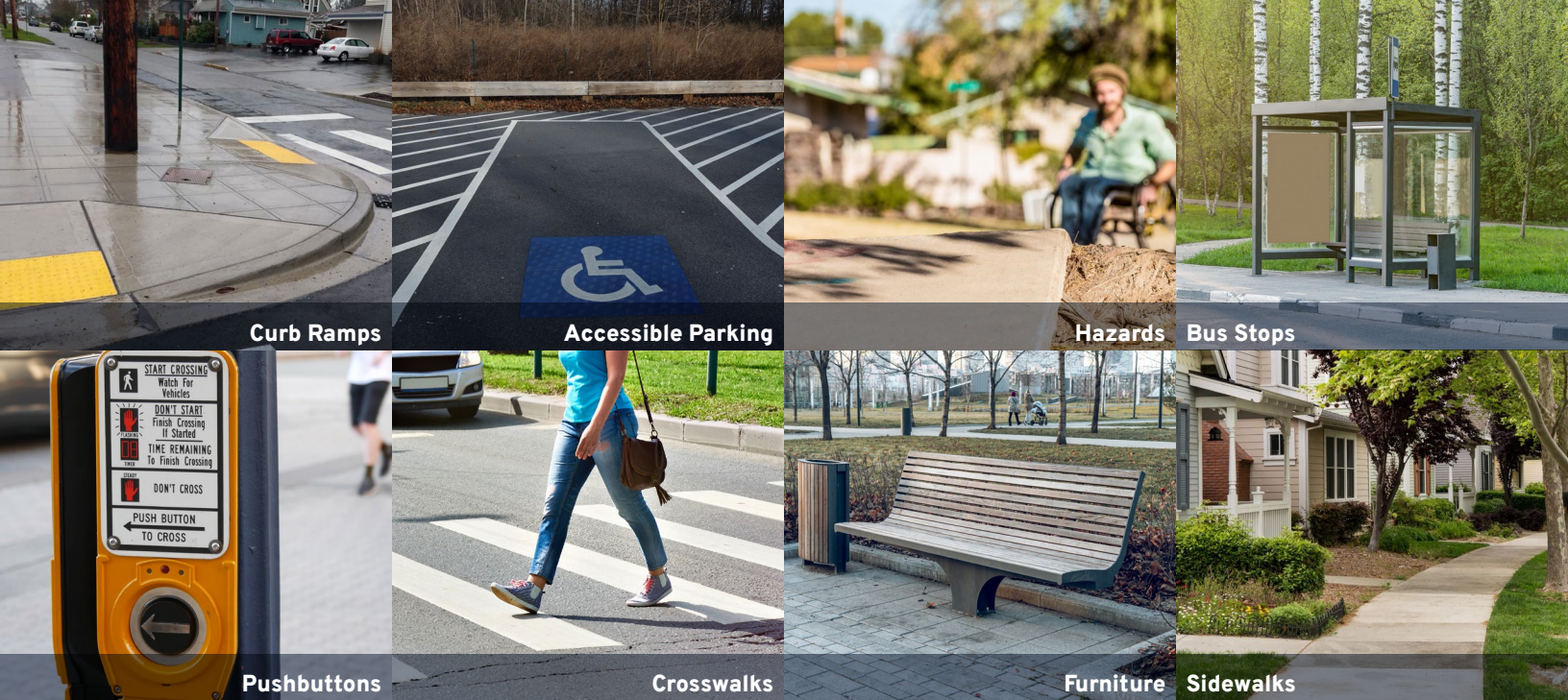


Figure 2-2 Public Right-of-Way (ROW) Features

2.2.2 Facilities & Parks

2.2.2.1 Method

The design of facilities and parks are governed by a variety of state, national, and international building codes.

Since the majority of these codes are developed on a national or international level, it was assumed that these codes comply with relevant ADA standards.

2.3 Existing Pedestrian Facilities

The Self-Evaluation inventoried barriers to access associated with existing pedestrian facilities, including curb ramps, sidewalks, pedestrian pushbuttons, as required by ADA Title II Part 35, Subpart D – Program Accessibility § 35.150 (d)(3). Each facility and associated barriers were field inventoried and cataloged within the project’s geospatial (GIS) database. Field data was collected by Transpo from June 2021 to October 2021.

2.3.1 Public ROW

Many existing pedestrian features within Mercer Island right-of-way contain barriers and require improvements to meet current ADA standards. It is important to note that many of these facilities were constructed before the adoption of current ADA standards, and likely met applicable state and federal standards at the time of construction. Additionally, it is important to note that ADA regulations require

facilities to be made accessible to “the maximum extent feasible,” (MEF) in “circumstances when the unique characteristics of terrain prevent the incorporation of accessibility features” (U.S. Department of Justice, 28 CFR § 35.151 New construction and alterations). These circumstances are often a result of adjacent topography or otherwise constrained locations, which are common to the Mercer Island road system. This plan’s Self-Evaluation examined whether facilities were compliant with current ADA design requirements; it did not examine whether non-compliant facilities were built to the maximum extent feasible or practical.

Additional detail regarding the Self-Evaluation’s findings for curb ramps, sidewalks, and pedestrian pushbuttons is provided in the following sections.

2.3.1.1 Method

A self-evaluation of facilities within the public right-of-way was conducted by Transpo group.

The physical inventory of pedestrian facilities, as shown in Figure 2-2, included:

- 885 sidewalks, totaling approximately 34 miles
- 792 curb ramps
- 84 signal pushbuttons
- 144 bus stops
- 326 driveways
- 58 staircases
- 10 wheelchair ramps

Inventory maps of collected pedestrian features can be found in **Appendix B**.

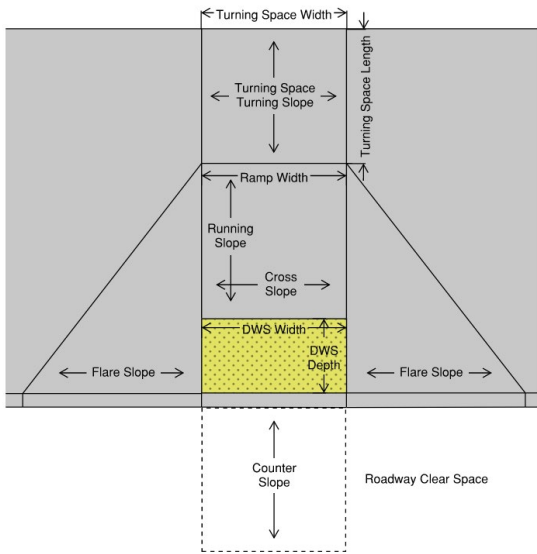


Figure 2-3 Perpendicular Curb Ramp Attributes

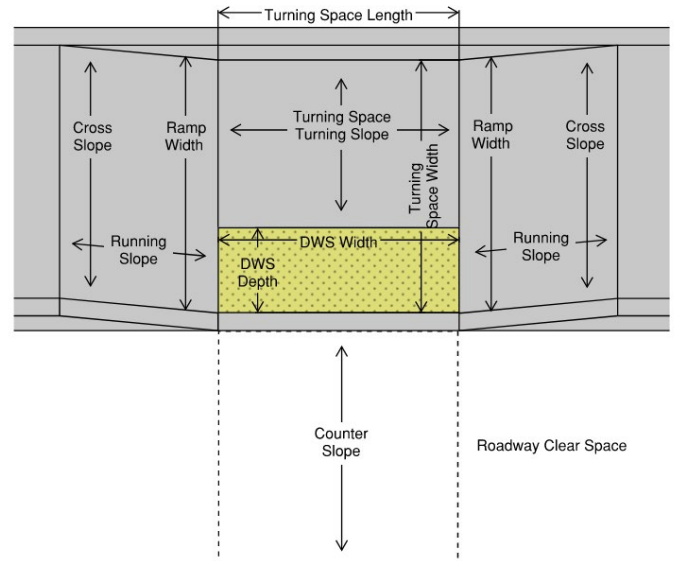


Figure 2-4 Parallel Curb Ramp Attributes

Curb Ramps

Field data was collected for existing curb ramps by Transpo. The field data was then evaluated for their compliance with ADA standards. Figures 2-3 and 2-4 show the major components of typical perpendicular and parallel curb ramps, respectively, two common types of curb ramps. Less common ramp types, such as ramps that provide a transition from the end of a sidewalk to the road shoulder are also located in the city.

Each curb ramp was reviewed for compliance, then scored based on the degree to which the barrier impeded accessibility. Curb ramps were scored using a scale of 0-30 and categorized as follows:

- 0: Compliant
- 1-29: Minor Compliance Issue
- 30: Significant Compliance Issue

These scores are referred to as the Accessibility Index Score (AIS). Curb ramps that had running slopes that were too steep received a score of 30 and were considered non-compliant. Curb ramps that had cross slopes slightly above the compliant threshold received a score of 25 while steeper cross slopes received a 30. Other criteria relating to turning space, flare slopes, detectable warning surfaces (DWS), obstructions, and condition were weighted lower, but could cumulatively reach the threshold for non-compliance.

Scoring and compliance criteria are discussed in more detail in Section 4.2.1 and in **Appendix C**.

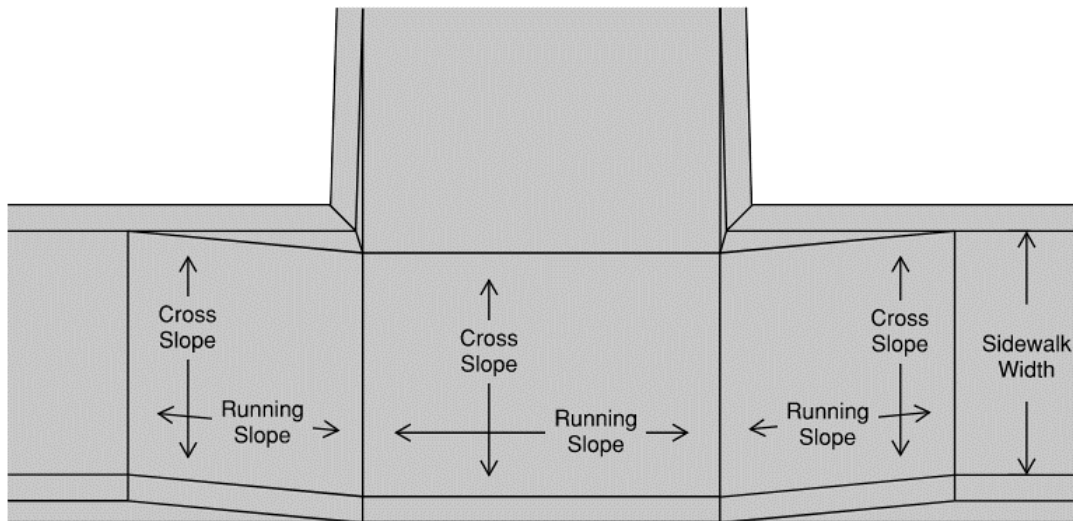


Figure 2-5 Sidewalk Attributes

Sidewalks

Field data was collected for sidewalks by the Transpo. This field data collection for sidewalks was completed along the length of each segment and then evaluated for their compliance with ADA standards. Common attributes for sidewalks are shown in Figure 2-5.

Each sidewalk was reviewed for compliance, then score based on the degree to which the barrier impeded accessibility.

- Sidewalk Width, i.e., the sidewalk is too narrow,
- Sidewalk Condition, i.e., amount of cracking.
- Number of barriers, i.e., vertical discontinuity, vegetation, non-slip lid, protruding obstacles, etc.

Sidewalks were scored using a scale of 0-30 and categorized as follows:

- 0: Compliant
- 1-15: Minor Compliance Issue
- 16-30: Significant Compliance Issue

Scoring and compliance criteria are discussed in more detail in Section 4.2.1 and in **Appendix C**.

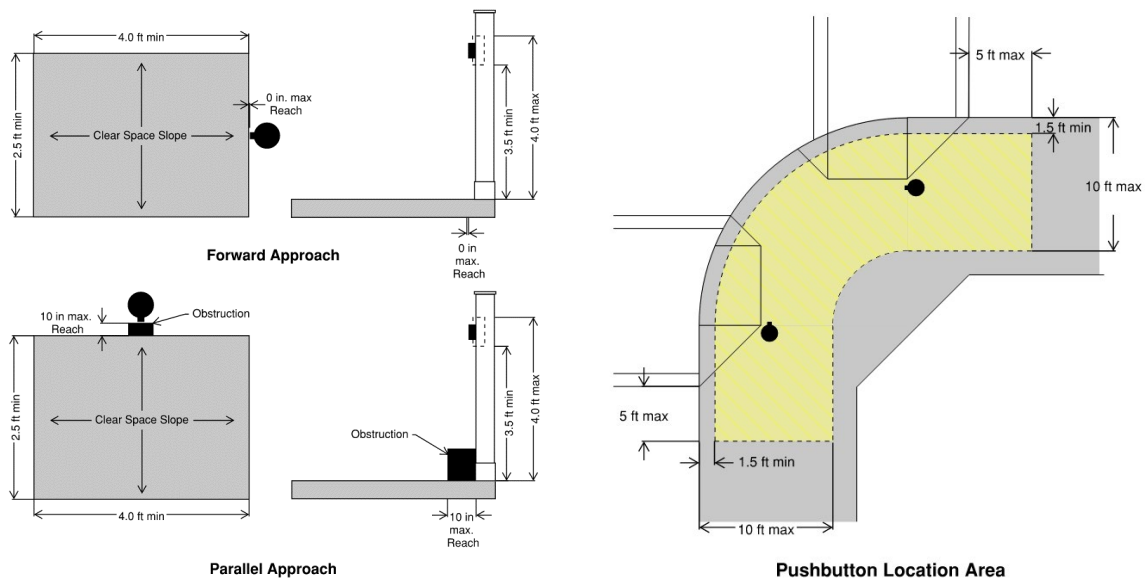


Figure 2-6 APS Pedestrian Pushbutton Location Attributes

Signal Pushbuttons

Accessible pedestrian signals and pushbuttons (APS) provide integrated visual, audible, and vibrotactile information to help pedestrians cross signalized intersections. Some pushbuttons can be programmed to request an extended crossing time or to make the name of the street being crossed audible when pushed for a longer time.

Field data was collected for pedestrian pushbuttons at traffic signals by Transpo Group. Data collectors recorded location and design attributes for each pushbutton. Location attributes included reach distance to the button, availability of a clear and level area at the button, and the location relative to the intersection and corresponding crosswalk (see Figure 2-6). Design

attributes included visual and tactile elements, such as a raised arrow pointing to the crossing, as well as features that provide audible and vibrational feedback.

Each pedestrian pushbutton was reviewed for compliance using fifteen criteria, then scored based on the degree to which the barrier impeded accessibility.

Pushbutton scores ranged from 0-30 and were categorized as follows:

- 0: Compliant
- 1-15: Minor Compliance Issue
- 16-30: Significant Compliance Issue

Scoring and compliance criteria are discussed in more detail in Section 4.2.1 and in **Appendix C**.



2.3.1.2 Findings

Curb Ramps

Approximately 98% of the 792 existing curb ramps do not meet ADA standards (see Table 2-1 and Figure 2-7).

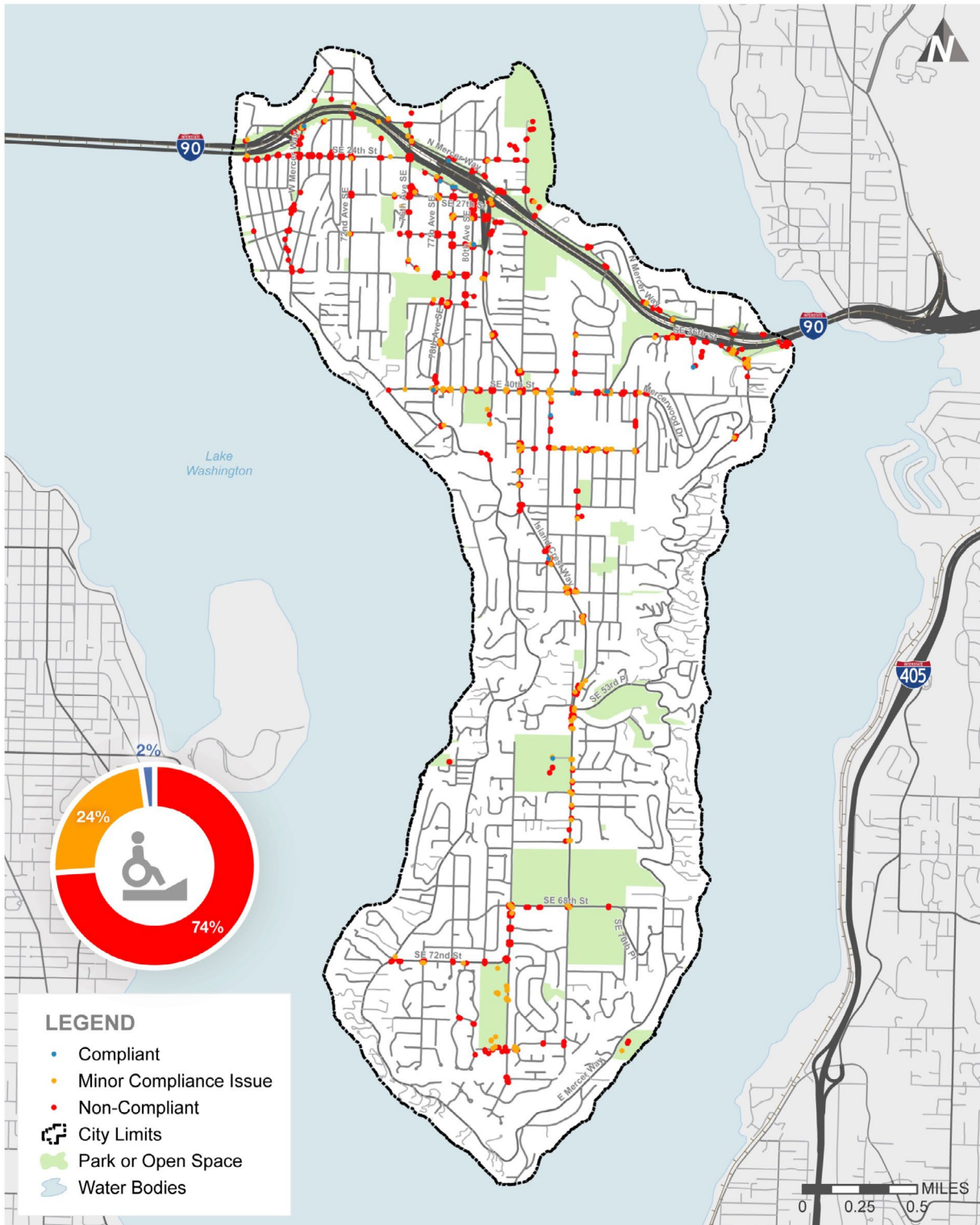
As discussed in Section 2.3.1, non-compliant ramps are those that have:

- Non-compliant ramp width, i.e., the ramping area is not present or too narrow (Figure 2-8).
- Non-compliant running slope, i.e., the ramp running slope is too steep (Figure 2-9). 288 curb ramps have running slopes greater than 8.3%.
- Non-compliant cross slope, i.e., the cross slope is too steep (Figure 2-10). 503 curb ramps have cross slopes greater than 2%, 312 of which have cross slopes greater than 3%.
- Several minor non-compliant features, such as flare slope, detectable warning surface (DWS) placement, receiving ramp, etc.

Table 2-1 Existing Curb Ramp Compliance

Curb Ramp Compliance	Total	
	Miles	% of Total
Significant Compliance Issue	589	74%
Minor Compliance Issue	187	24%
Compliant Ramps	16	2%
Total	792	

Curb ramps are designed and constructed to tie into the existing roadway. As noted previously, steep or otherwise constrained locations may make it infeasible to meet ADA grade standards. When it is not feasible to remove all curb ramp barriers, ramps may be built to the maximum extent feasible (MEF) to satisfy ADA requirements. This planning level Self-Evaluation did not examine whether non-compliant ramps were built to the maximum extent feasible. See Section 5.1 for additional information regarding MEF documentation.



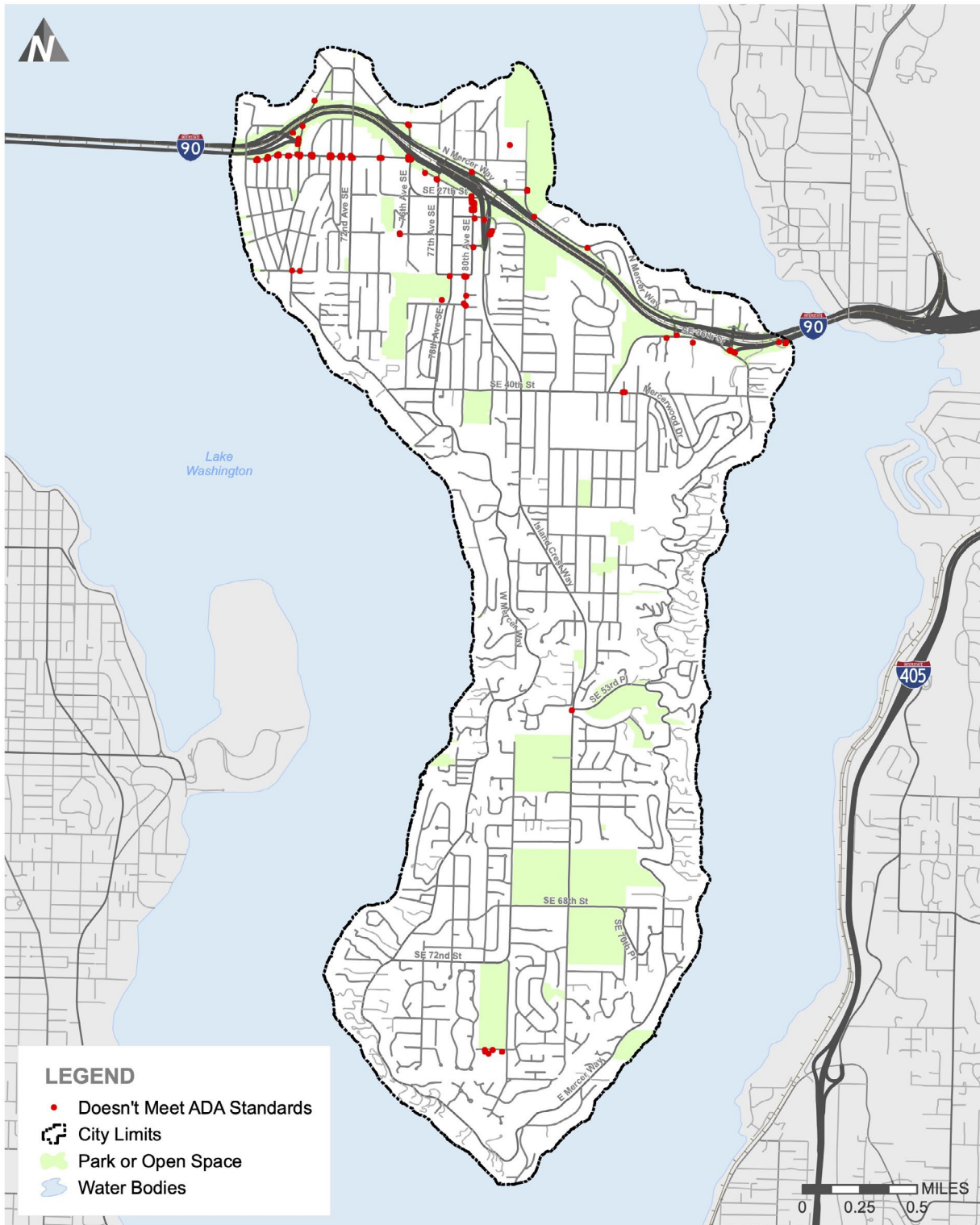
Non-Compliant Curb Ramp

City of Mercer Island ADA Transition Plan



FIGURE

2-7

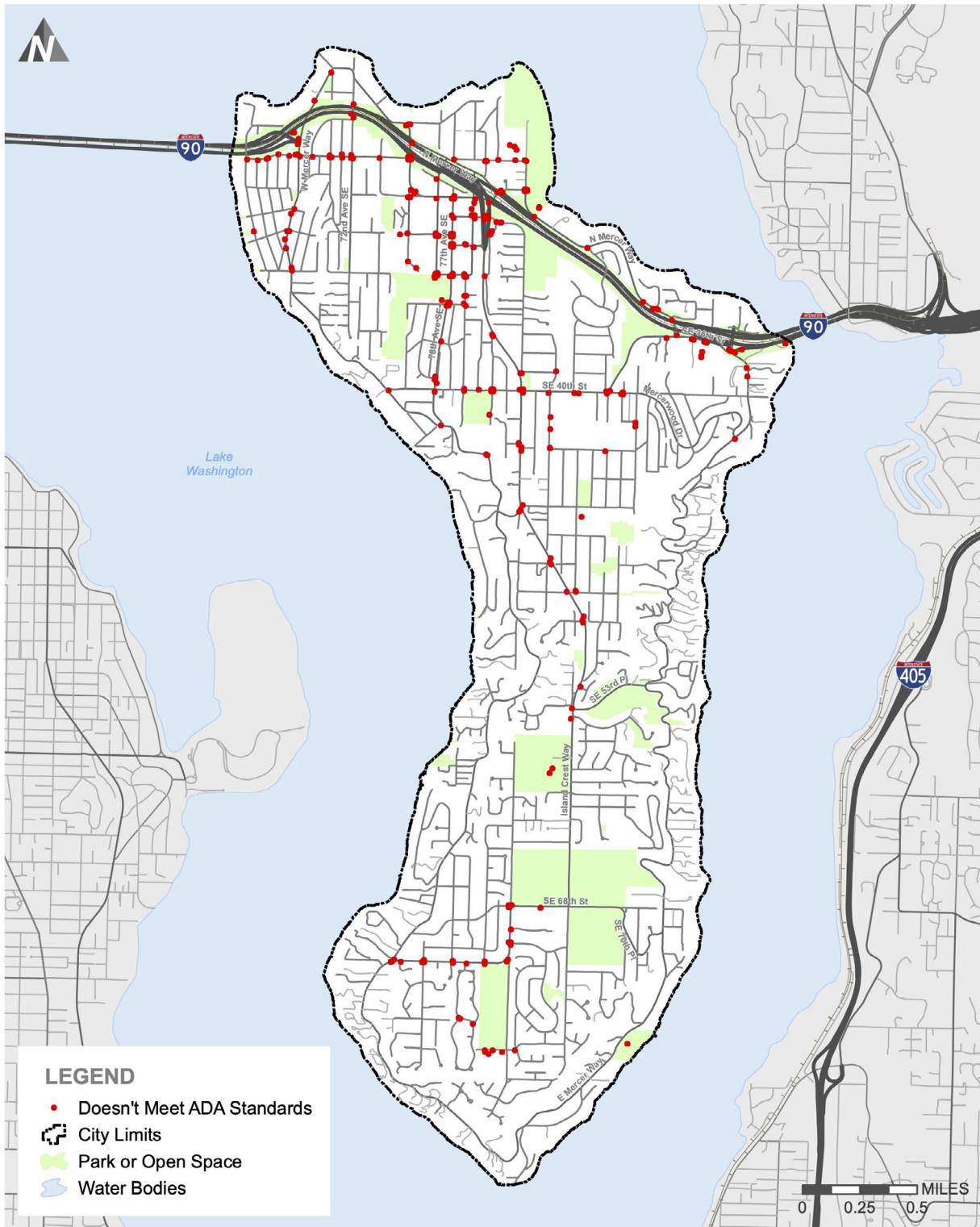


Curb Ramp Width

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FIGURE
2-8



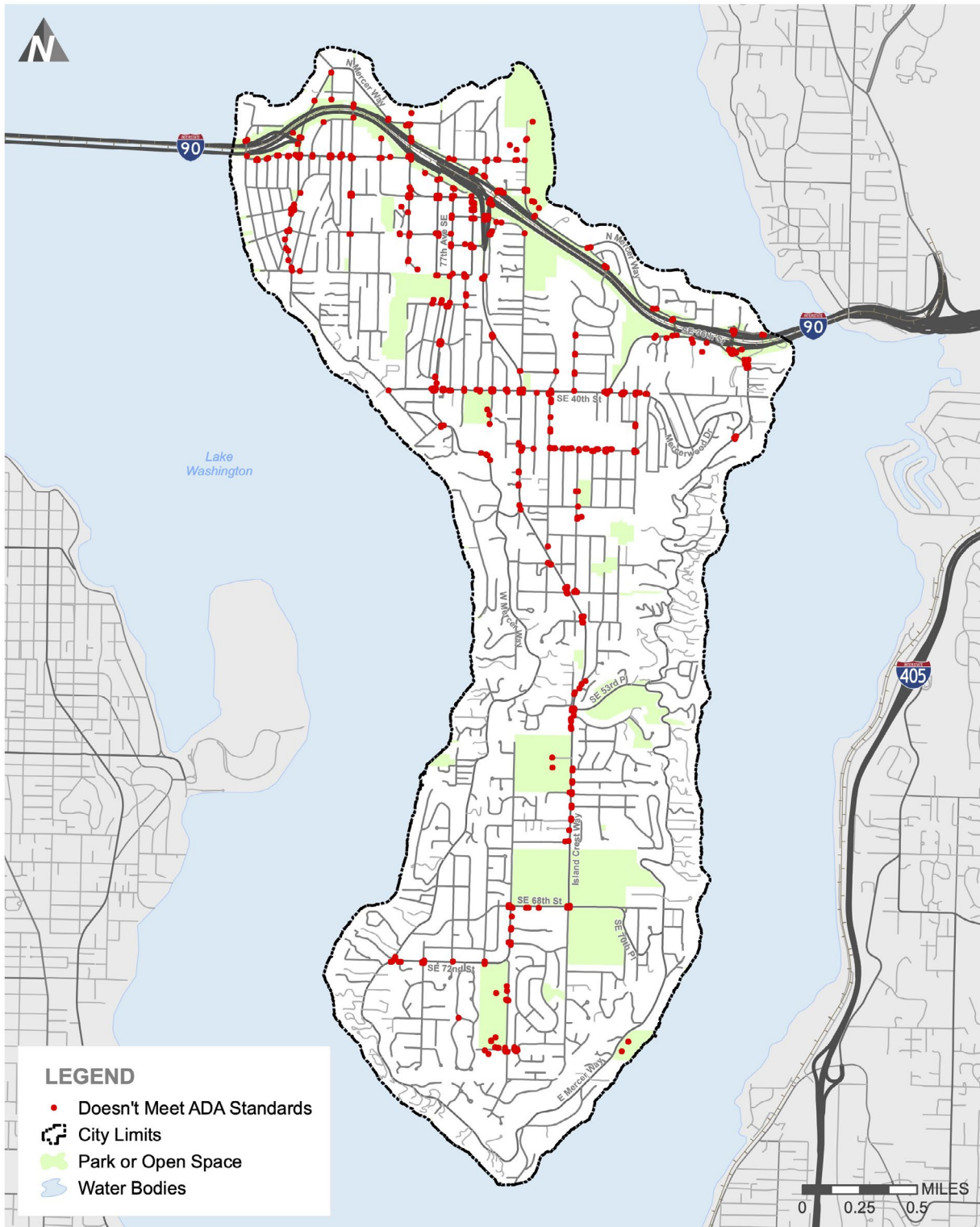
Curb Ramp Running Slope

City of Mercer Island ADA Transition Plan

FIGURE

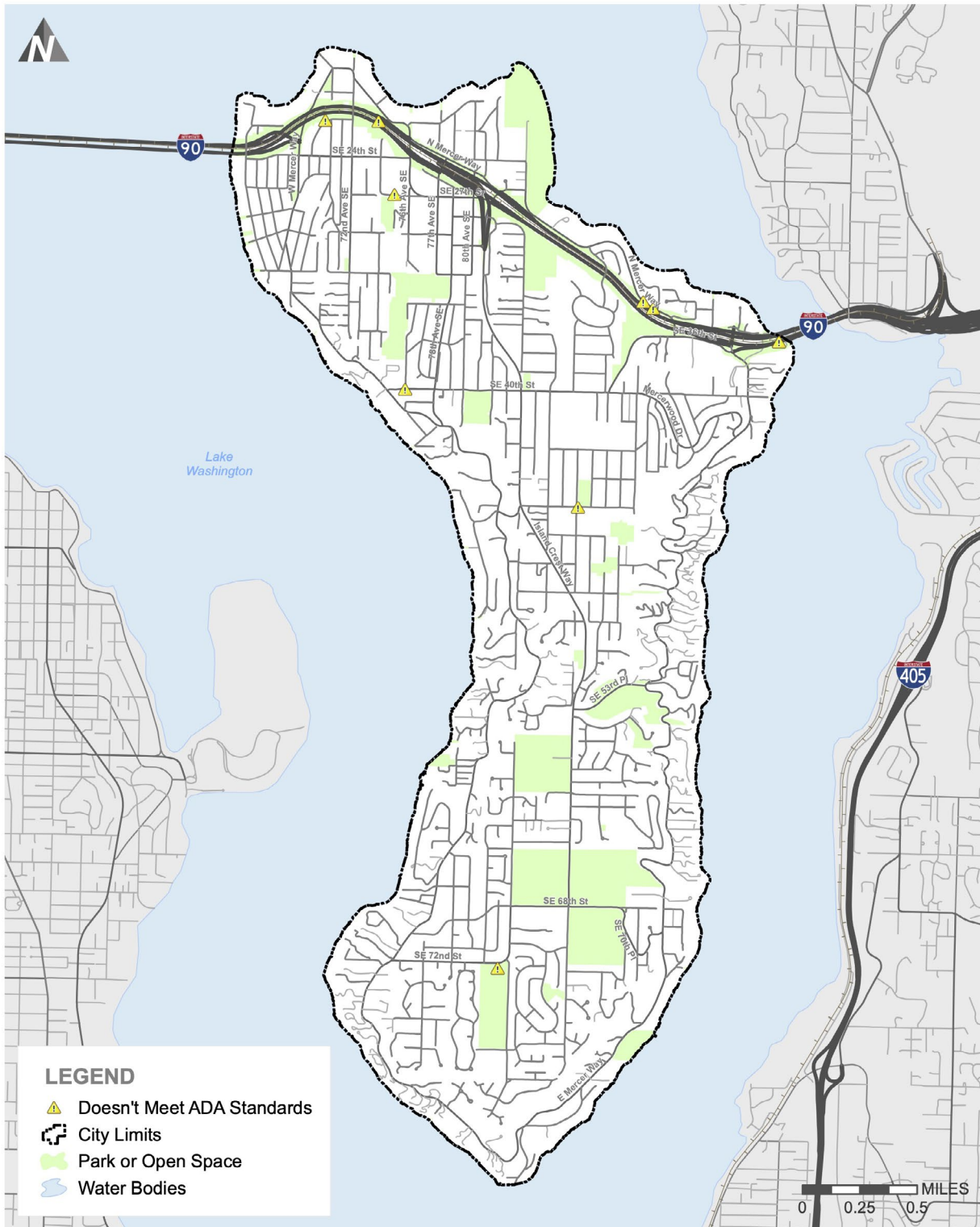
2-9





Curb Ramp Cross Slope
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FIGURE
2-10
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Curb Ramp No Receiving Ramp

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FIGURE

2-11



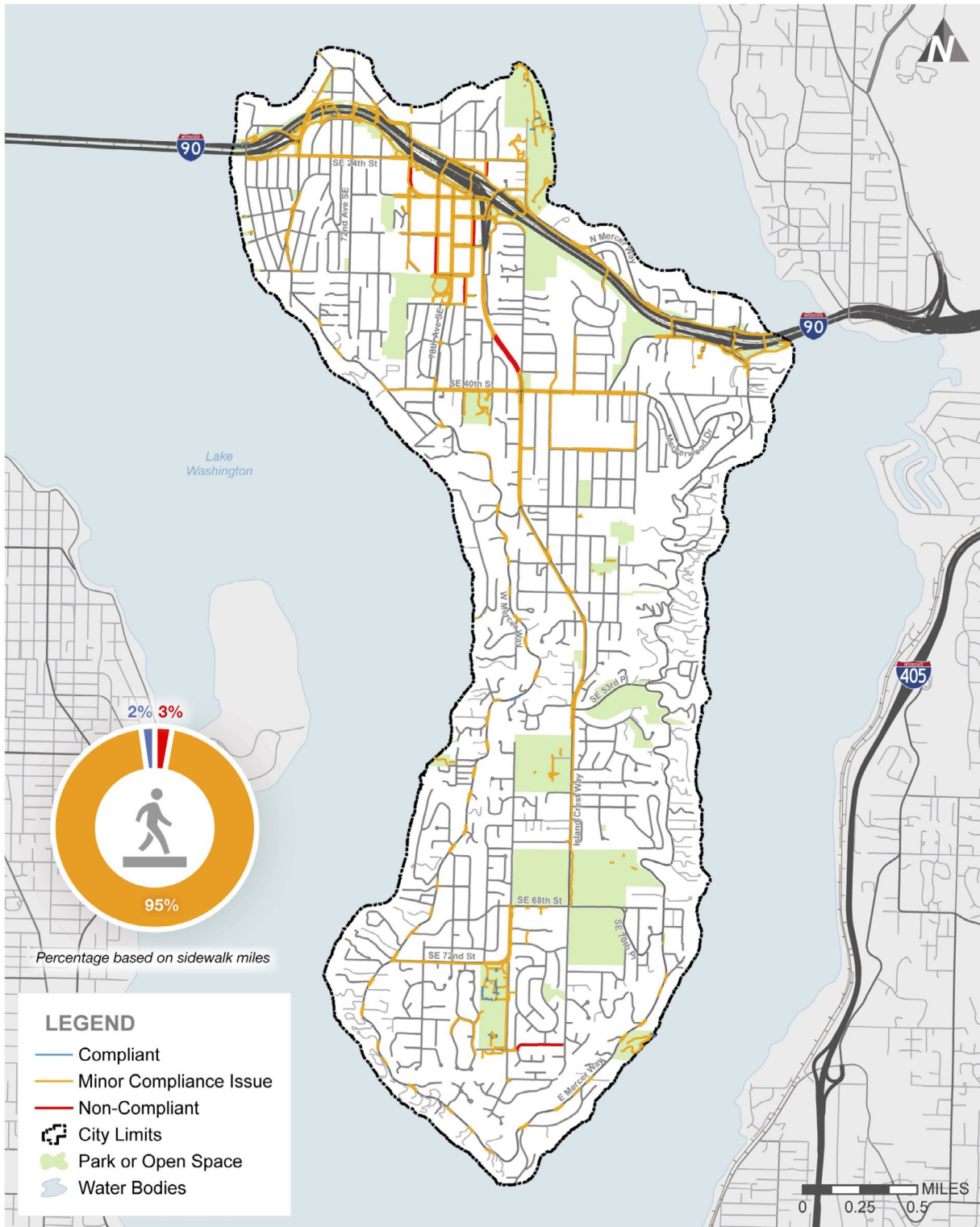


Sidewalks

Approximately 34 miles of sidewalk were inventoried with approximately 98% not meeting ADA standards (see Table 2-2 and Figure 2-12). Grinding, patch repair, and full reconstruction are potential solutions for removing the sidewalk barriers depending on the severity of the barrier.

Table 2-2 Sidewalk Compliance

Sidewalk Compliance	Total	
	Miles	% of Total
Significant Compliance Issue	1	3%
Minor Compliance Issue	32	95%
Compliant	1	2%
Total	34	



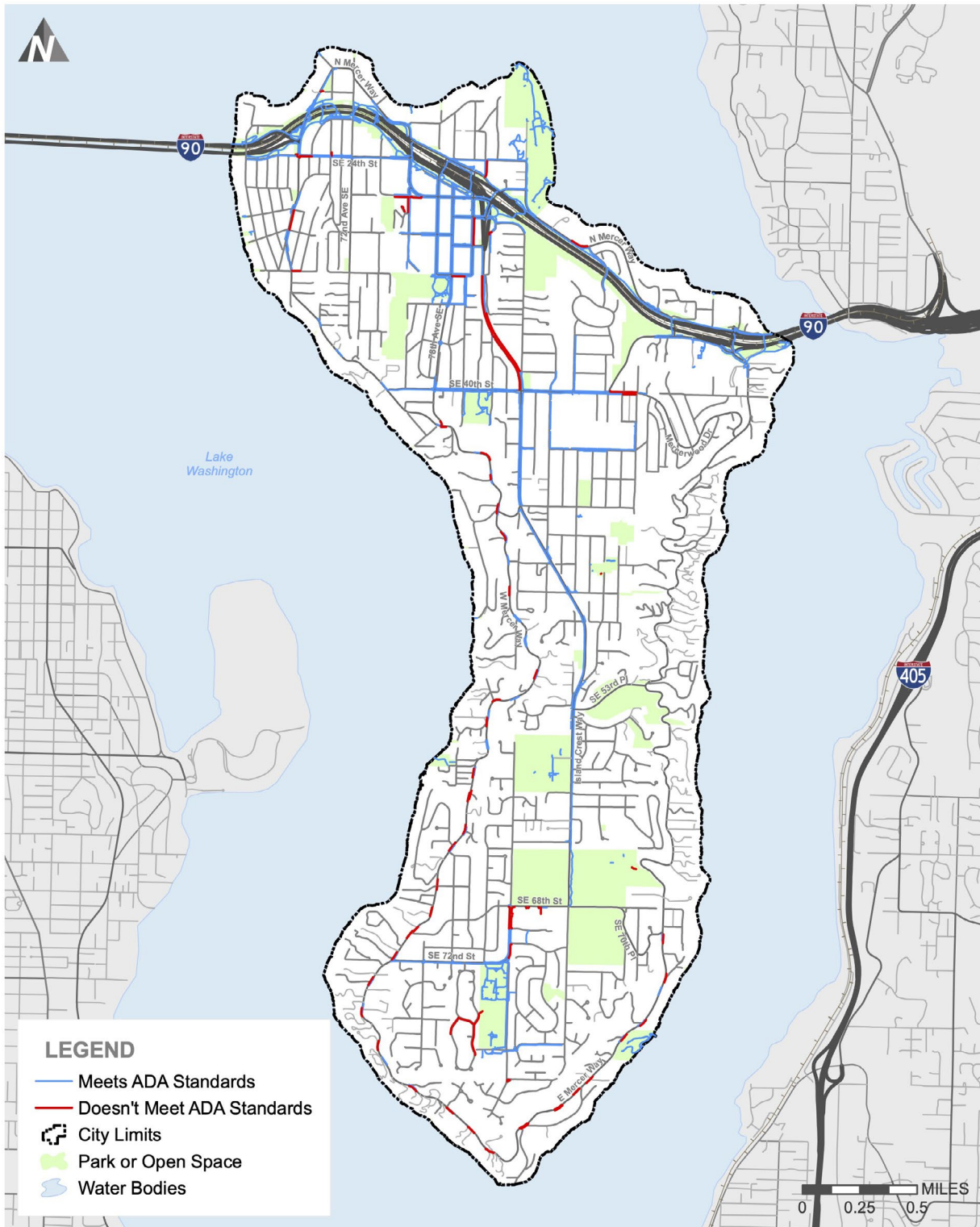
Non-Compliant Sidewalk

City of Mercer Island ADA Transition Plan

FIGURE

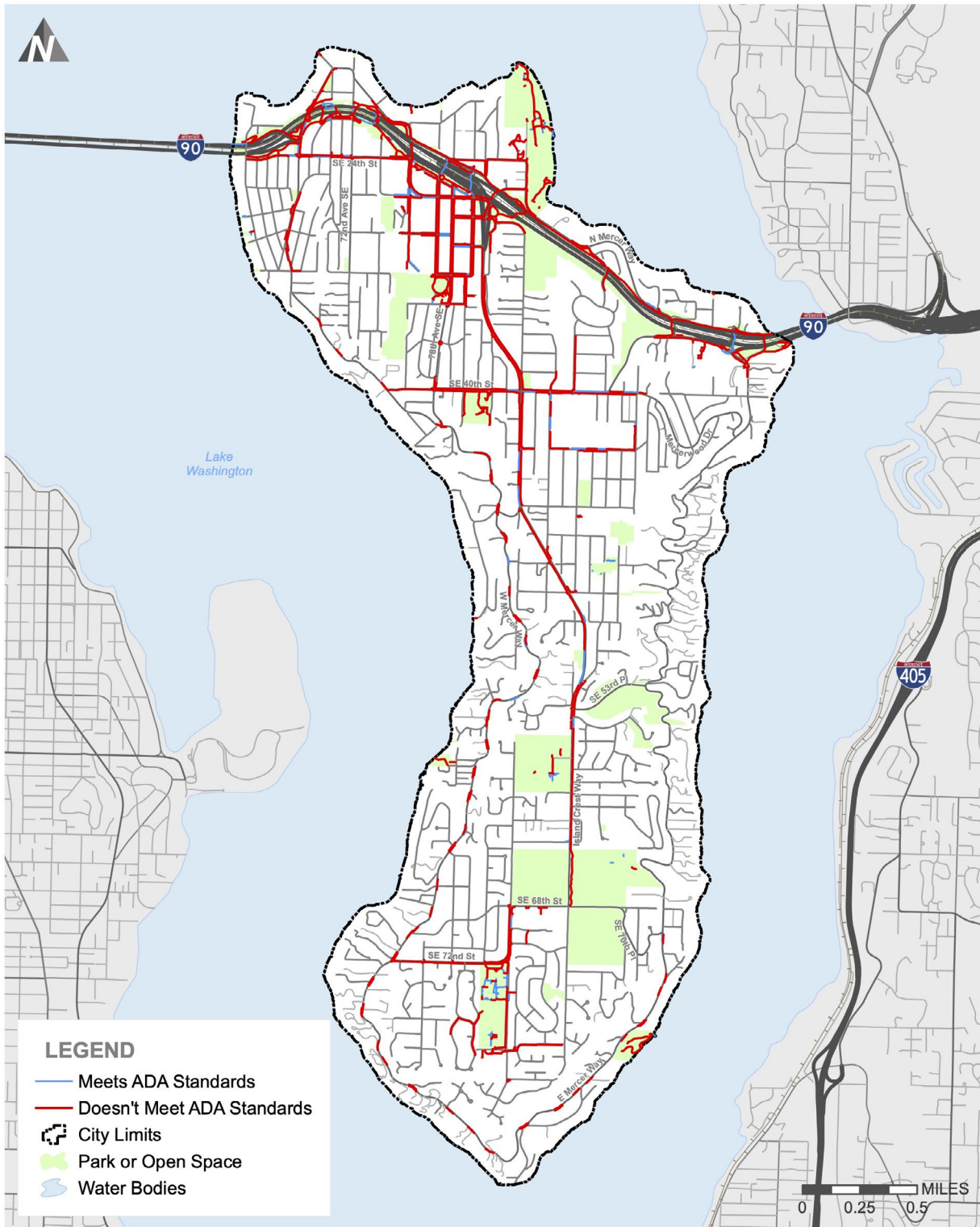
2-12





Sidewalk Width
City of Mercer Island ADA Transition Plan

FIGURE
2-13
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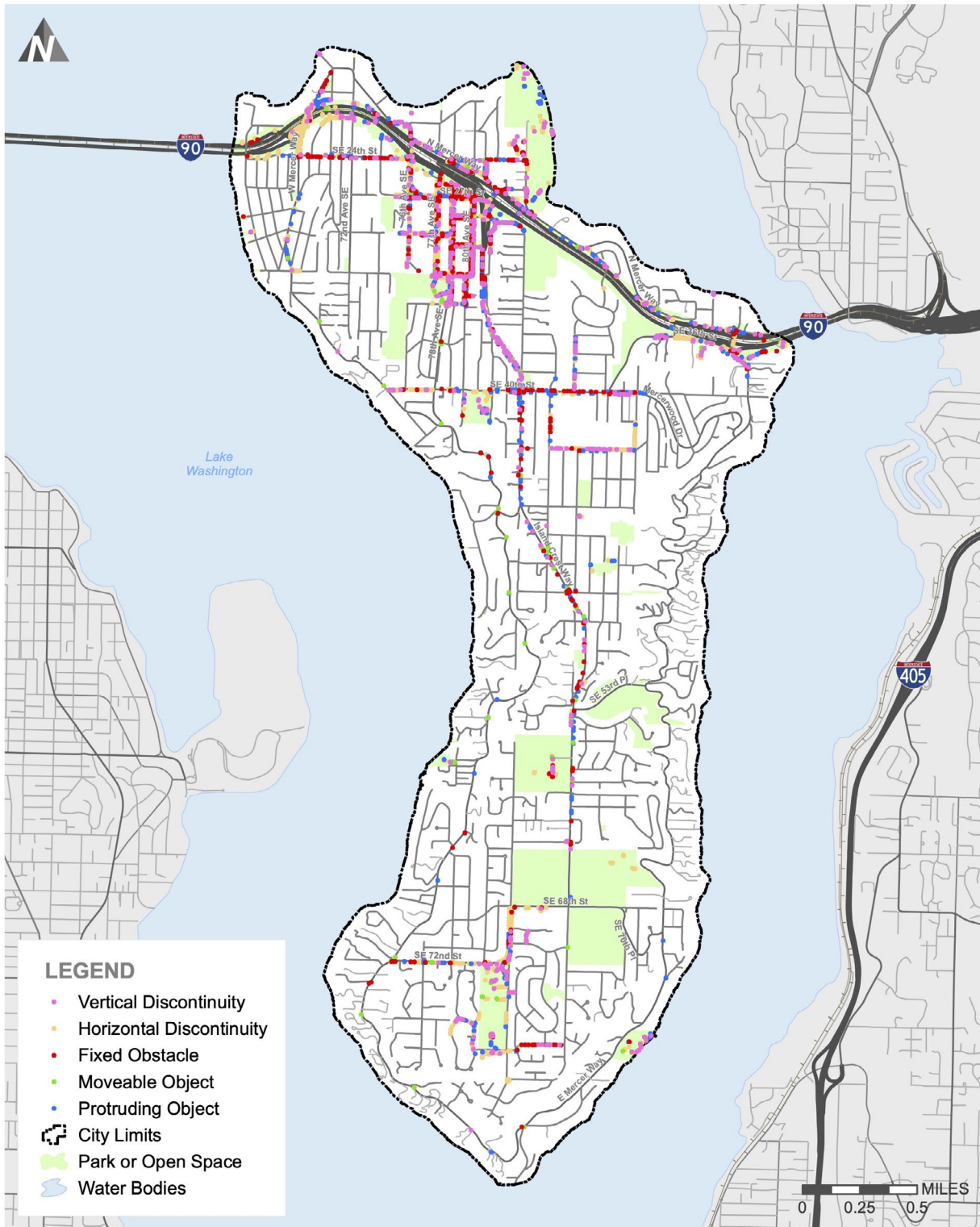


Sidewalk Cross Slope
City of Mercer Island ADA Transition Plan

FIGURE

2-14

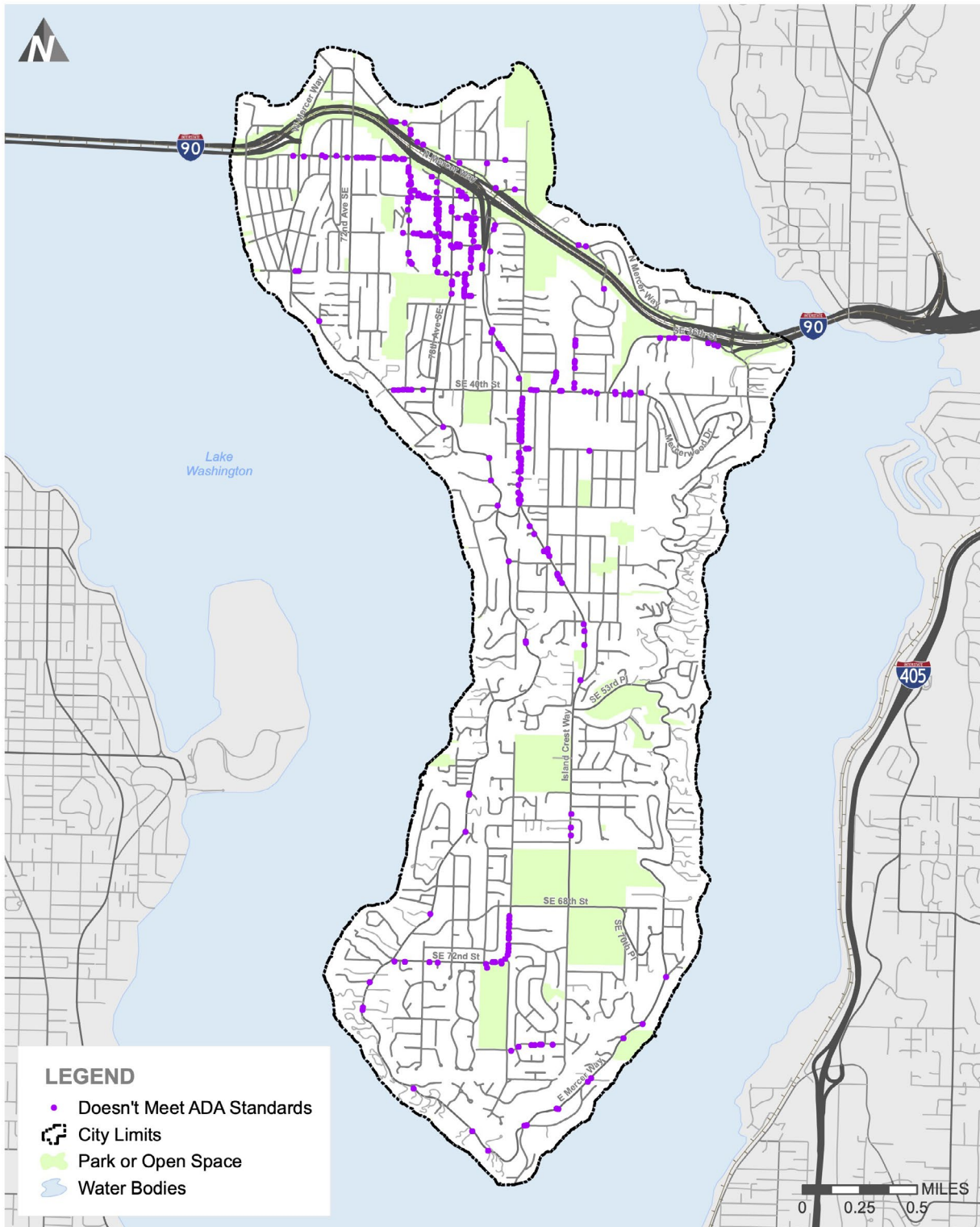




Sidewalk Barriers

City of Mercer Island ADA Transition Plan

FIGURE 2-15
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Non-Compliant Driveways Along Sidewalk

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Figure 2-17 “H-style” (left) and APS-style pedestrian pushbutton (right)

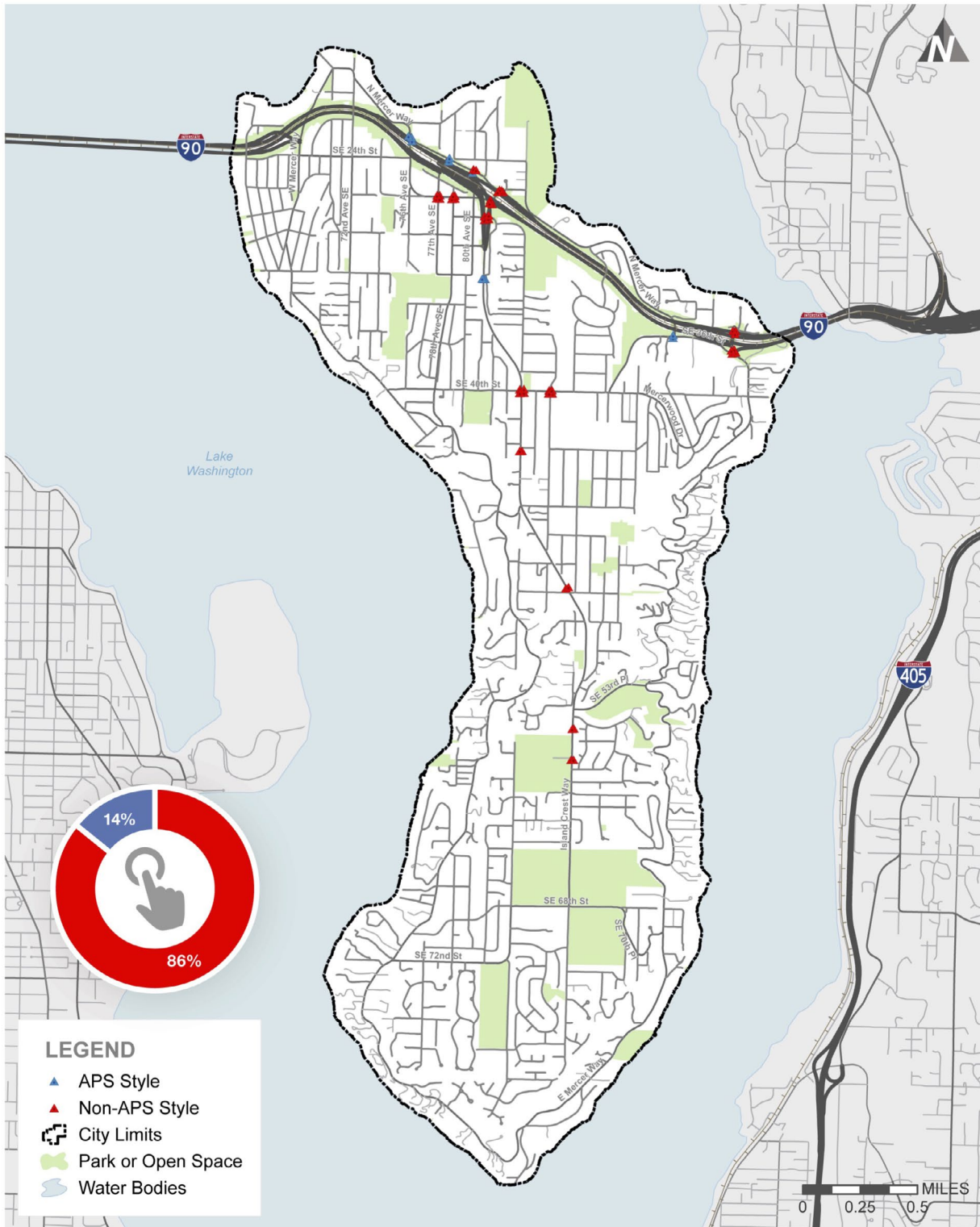
Signal Pushbuttons

All of the 84 inventoried pedestrian pushbuttons were not fully ADA compliant. The non-compliant pedestrian pushbuttons include non-APS style buttons to be replaced and APS-style buttons to be reprogrammed or relocated.

Approximately 86% of pedestrian pushbuttons in the city are an older “H-style” design (see Figure 2-17 top). This style of pushbutton can be upgraded to increase accessibility but must be fully replaced with an accessible pedestrian signal (APS)-style pushbutton to achieve full ADA compliance (see Figure 2-17).

The requirement to use APS-style pushbuttons is relatively new and lack of compliance is typically due to a crossing not being upgraded over time to reflect evolving requirements. Pushbuttons are typically upgraded to APS-style in groups rather than individually. As a result, APS-style additions and upgrades usually occur on an intersection-by-intersection basis.

Figure 2-18 demonstrates the type and locations of these pushbuttons throughout the city.



Signal Push Buttons: APS and Non-APS

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FIGURE

2-18



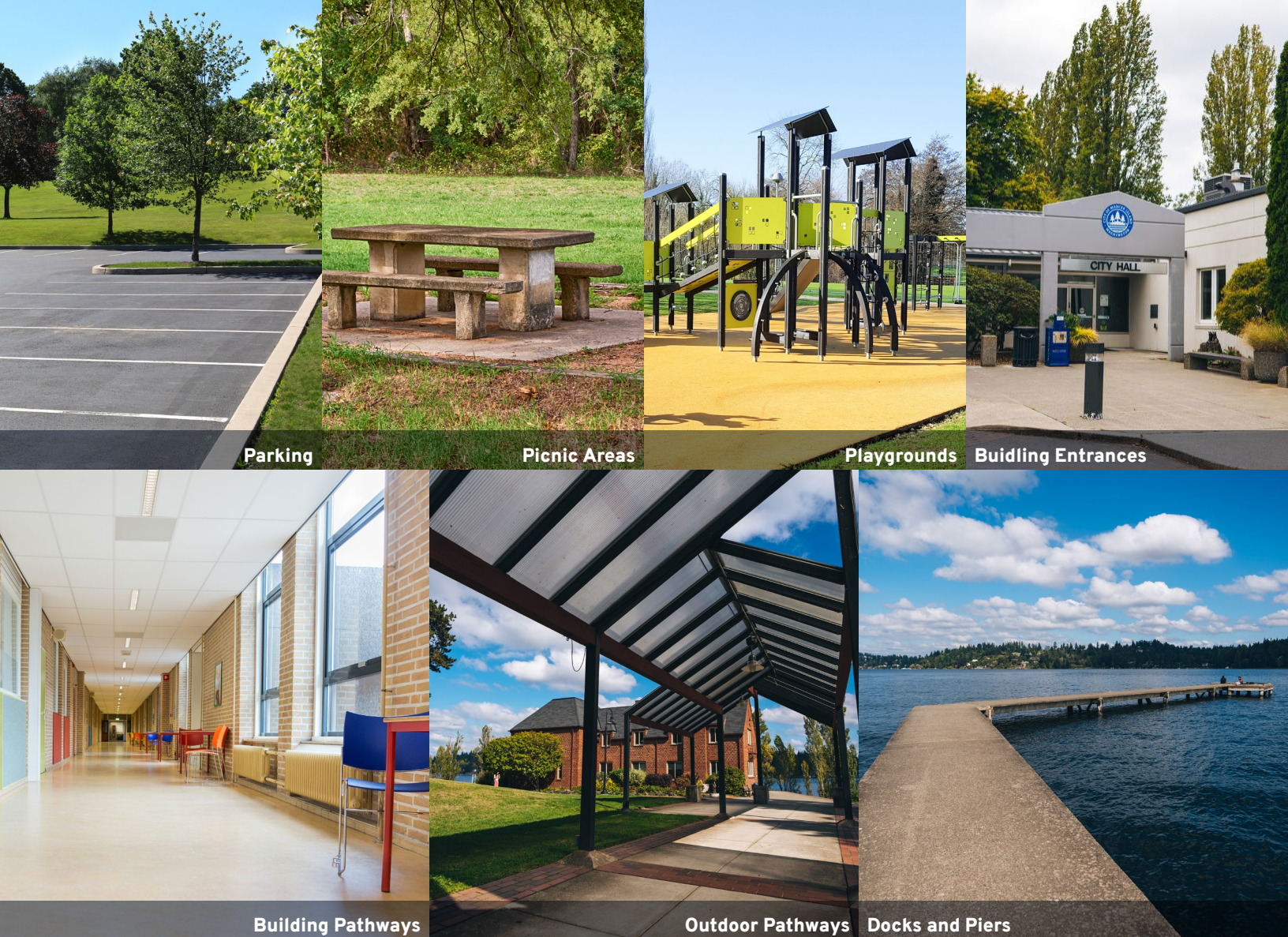


Figure 2-19 Facilities & Parks Features

2.3.3 Facilities & Parks

2.3.3.1 Method

Barrier assessment for facilities and parks covered elements of pedestrian pathways within buildings and at building entrances, as well as vertical elements in public parks. Facilities and parks barriers include non-compliant signage, restroom fixture height, countertop or table height, gate width, pedestrian access routes, and play area ramps, among other

barriers. 637 barriers were found in these areas. For each barrier found, information collected included a description of the barrier, recommended solution and estimated cost as well as other information such as recommended priority ranking and photos of the barrier. Survey Solutions™, a custom software database, was used to generate the ADA Survey Results. The consultant's data collection efforts for facilities and parks occurred between June to October 2021.

Table 2-3 Facilities & Parks Barrier Distribution

Sidewalk Compliance	Total
77th Avenue SE Landing	2
Aubrey Davis Park	43
Bicentennial Park	23
Boat Launch	3
Calkins Landing	5
Clarke Beach	14
Community and Events Center	106
Deane’s Children’s Park	19
Ellis Pond	3
First Hill Park	5
Forest Landing	2
Franklin Landing	2
Fruitland Landing	4
Garfield Landing	2
Groveland Beach	17
Homestead Park	29
Island Crest Park	44
Lincoln Landing	3
Luther Burbank Park	81
Luther Burbank Park Administration Building	24
Main Fire Station #91	4
Maintenance Hall	12
Mercer Island City Hall	65
Mercerdale Park	13
Miller Landing	1
Pioneer Park	7
Proctor Landing	2
Roanoke Landing	1
Roanoke Park	10
Rotary Park	5
Secret Park	6
Slater Park	4
South Fire Station #92	8
South Mercer Playfields	34
Wildwood Park	5
Youth & Family Services Thrift Shop/Recycling Center	34
Total	637

2.3.3.2 Findings

Table 2-3 shows the number of barriers found in each facility and park.

The field surveys for the properties were conducted using proven ADA survey instruments and calibrated measurement tools. Collected data was reviewed and analyzed, and recommended preliminary solutions were developed. A complete report of all barriers recorded in facilities and parks can be found in **Appendix D**.

3 Stakeholder Engagement

Public and stakeholder input is an essential element in the transition plan development and self-evaluation processes. ADA implementation regulations require public entities to provide an opportunity to interested persons, including individuals with disabilities or organizations representing individuals with disabilities, to participate in the self-evaluation process and development of the transition plan by submitting comments (28 CFR 35.105(b) and 28 CFR 35.150(d)(1)). There were three primary goals for the public outreach activities prior to adopting the plan:

- Inform the public about the City's plan and processes regarding removal of barriers to accessibility within the right-of-way. Provide information to assist interested parties to understand the issues faced by the City, alternatives considered and planned actions.
- Obtain public comment to identify any errors or gaps in the proposed accessibility transition plan for the public rights-of-way, specifically on prioritization and grievance processes.
- Meet Title II requirements for public comment opportunity.

3.1 Engagement Methods

To generate public involvement and capture public feedback on the ADA Transition Plan, the City used four methods: a virtual open house, engagement survey, online mapping tool, and an in-depth focus group. Promotion and advertising for these outreach methods utilized the City's website and social media channels, as well as hardy copy surveys and flyers delivered by City staff. The City of Mercer Island developed a project website: <https://www.mercerislandada.com> for easy online access to project information and ways to provide feedback. A full account of the public engagement findings can be found in **Appendix E**.

3.1.1 Online Open House and Survey

An online open house that dove into the ADA transition plan project, goals and areas of focus of the project, was made available on the City's website. Within the open house an online survey and reporting tool was provided for the public to give feedback on gaps and barriers at specific locations.

The surveyed contained questions focusing on the following areas.

- Whether they have a disability or support someone with one;
- Which type of accessibility barriers they currently experience;
- How they rate the accessibility conditions of existing right-of-way facilities; and,
- What facility types they believe should be prioritized when removing accessibility barriers.

The survey was made available for public participation from July 4, 2021 to September 14, 2021. A detailed summary of engagement and outreach efforts including promotion and advertising, online survey, online mapping tool, listening sessions, and a senior citizen advisory committee meeting are included in the Engagement & Public Involvement Summary in **Appendix E**.

The survey respondents identified their first and second priorities for improving pedestrian facilities within the city. The weighted rank priorities showed that the following three categories were highest priority:

- Transit
- Retail
- City parks

Detailed information regarding the priorities and locations identified through the survey and online mapping tool are included in **Appendix E**.

3.1.2 Focus Group

An in-depth virtual focus group and interviews were conducted on September 30, 2021. The focus group used the Zoom virtual platform that included closed captioning to facilitate discussion from Mercer Island residents and survey responders. All of the respondents interviewed live on Mercer Island and have a disability or support a person with a disability. The focus group identified priorities for barrier removal that include City parks, sidewalks, and accessible parking availability. Detailed information regarding the priorities and locations identified through the focus group are included in **Appendix E**.

4 Pedestrian Barrier Removal Methods and Schedule

Chapter 4 provides a summary of barrier removal methods and priorities to guide implementation of this plan. This chapter presents a total planning level cost estimate for the removal of existing pedestrian barriers. Finally, a schedule is presented that outlines the steps necessary to achieve compliance with current ADA standards.

4.1 Barrier Removal Methods – Public ROW

The City currently has a variety of barrier removal methods that are funded from sources that include Capital Improvement Program (CIP) projects, Transportation Improvement Program (TIP) projects, and permitted private development. Certain programs provide continual means of barrier removal while others vary based on outside influences such as permitted development and grants. The manner in which an existing pedestrian barrier is removed is typically a function of its complexity and cost. Less complex pedestrian barriers, such as a missing detectable warning surface (DWS), can be removed through maintenance and operations programs. More complex barriers, such as barriers associated with ramp or sidewalk design, typically require additional engineering as part of a more costly capital construction project.

For these methods to be effective, City practices and design standards must comply with federal ADA guidance. If standards are not updated and enforced, new or reconstructed pedestrian facilities may not be constructed to accessible standards, requiring costly revision, and increasing the duration it will take the City to remove accessibility barriers.

The following sections provide additional detail regarding CIP projects, TIP projects, and permitted development.

4.1.1 Transportation Improvement Program (TIP) Projects

The Transportation Improvement Program (TIP) is a rolling 6-year plan updated annually with a focus on maintaining the existing transportation network and improving it safely by using the City's Street Fund, Transportation Benefit District vehicle fees, Sound Transit East Link mitigation funds, and other funding sources. Transportation projects include residential street projects, arterial street improvements, and pedestrian and bicycle facility projects. The City of Mercer Island updates its TIP annually and forecasts projects for a six-year period. ADA compliant improvements (new or replacement) are often included as a component of these projects. With this transition plan, accessibility barriers are now easier to identify and include in TIP projects. The City's Six Year 2022-2027 TIP includes six projects with ADA barrier removal elements: 80th Avenue Sidewalk (SE 28th – SE 32nd), 78th Avenue Sidewalk (SE 32nd – SE 34th), SE 40th Sidewalk Improvements (Gallagher Hill – 93rd Ave SE), and SE 32nd St (77th to 78th Ave SE) Sidewalk Replacement, Sunset Hwy/77th Ave SE Improvements, and Mid-Block Crosswalk 76th Ave SE between SE 24th and SE 27th.

4.1.2 ADA Compliance Plan Implementation

As described above, the Transportation Improvement Program (TIP) is a rolling 6-year plan updated annually including projects to maintain and improve the City's transportation network. The City has identified a specific ADA Compliance Plan Implementation project to remove barriers identified by this transition planning effort.

4.1.3 Pedestrian and Bicycle Facilities (PBF) Plan Implementation

The City's Pedestrian and Bicycle Facilities Plan was last updated in 2010 and guides investments and actions related to maintaining and improving the City's pedestrian and bicycle networks. These networks include trails, crosswalks, bike lanes, and sidewalk facilities. Within the 2022-2027 TIP, the City has identified funding for PBF Plan Implementation. This annual program identifies, prioritizes, designs, and constructs small pedestrian or bicycle improvements on facilities citywide. It was assumed that a portion of this implementation is dedicated to ADA barrier removal.

4.1.4 Maintenance

Operational and maintenance activities typically resolve less costly and less complex barriers to

accessibility. A subset of the work completed by the Public Works Roadway, Trail & ROW Maintenance Team helps to remove ADA related barriers through curbs, streets, and sidewalk repairs. Though maintenance investments for pedestrian facilities often do not bring sidewalks, ramps, and other pedestrian infrastructure fully up to ADA standards, these investments of staff time and resources typically result in critically important access improvements. These activities include sidewalk panel grinding, panel replacement, and request-based curb ramp installations. Maintenance investments are crucial to increasing the longevity of the existing pedestrian network.

4.1.5 Street Resurfacing Programs

The Arterial Street Resurfacing Programs and Residential Street Resurfacing Programs is used to maintain the current roadway system by providing street resurfacing, pavement rehabilitation, and curb and sidewalk repair. When a street overlay is being conducted in areas adjacent to ADA features, the curb ramps will be retrofitted or replaced to meet current standards if found to be non-compliant.

4.1.6 Permitted Development

Even with the current funding for accessibility improvements, it will take many years to remove accessibility barriers or provide sidewalk connections between gaps. Redevelopment of properties such as construction of new housing or commercial buildings or major remodels can provide a valuable boost to barrier removal efforts. At times, private development results in street frontage improvements as a function of construction permit requirements. All such improvements are designed and built to meet City and ADA standards. This approach to barrier removal is incremental and depends on the outside influence of developers, and therefore was not included in the City's funding estimate.

4.2 Barrier Removal Methods: Facilities & Parks

The City currently uses a few methods to remove accessibility barriers for facilities and parks. Some of these methods are annual programs that provide continual means of barrier removal while others vary based on outside influences such as permitted development and available grant funding. The methods being used currently range from stand-alone projects, removal of barriers as part of other City projects and

removal of barriers during ongoing maintenance and operations. In order for these methods to be effective, City practice and design standards must comply with federal ADA guidance. If standards are not updated and enforced, new or reconstructed parks and facilities may not be constructed to accessibility standards, requiring costly revision, and increasing the duration it will take the City to remove accessibility barriers.

4.2.1 Capital Improvement Program (CIP) Parks Projects

The Capital Improvement Program (CIP) defines projects and identifies funding for different elements of the government including the Transportation Improvement Plan (TIP). The City has identified seven CIP projects that focus on parks improvements and include ADA barrier removal efforts. These projects include City Hall Building Repairs, FS91 and FS92 Building Repairs, Aubrey Davis Park Luther Lid Connector Trail, Aubrey Davis Park Safety Improvements, Luther Burbank Dock Repair and Reconfiguration, Mercedale Playground Replacement, and Roanoke Playground Replacement.

4.3 Barrier Removal Plan and Schedule

The ADA requires agencies to specify a schedule for taking the steps necessary to make existing facilities ADA compliant. This plan section summarizes the three-step process used to develop a barrier removal implementation plan and schedule, consistent with ADA transition plan requirements:

1. Prioritization of pedestrian barriers. Physical barriers identified through the Self-Evaluation were prioritized based on the degree to which they physically impacted accessibility and their proximity to key pedestrian destinations. Community input received through stakeholder engagement informed the prioritization process.
2. Estimation of planning level costs to remove pedestrian barriers. Unit costs were applied to the barrier inventory to generate a total planning level cost estimate to remove Self-Evaluation identified barriers. This planning level cost estimate is the total estimated 'need' for barrier removal.
3. Development of a schedule for barrier removal. An estimate of available financial resources was generated and compared to the total estimated need to develop a schedule for barrier removal.

4.3.1 Prioritization of Pedestrian Barriers: Public ROW

To inform the City's future project selection and understand the impact of barrier removal programs, a prioritization system was developed and used to score each pedestrian facility. This system was informed by the Self-Evaluation data, the community engagement process, and technical expertise. It reflects both a facility's physical characteristics and its importance to pedestrian travel. Under the prioritization system, each barrier was scored independently on two factors:

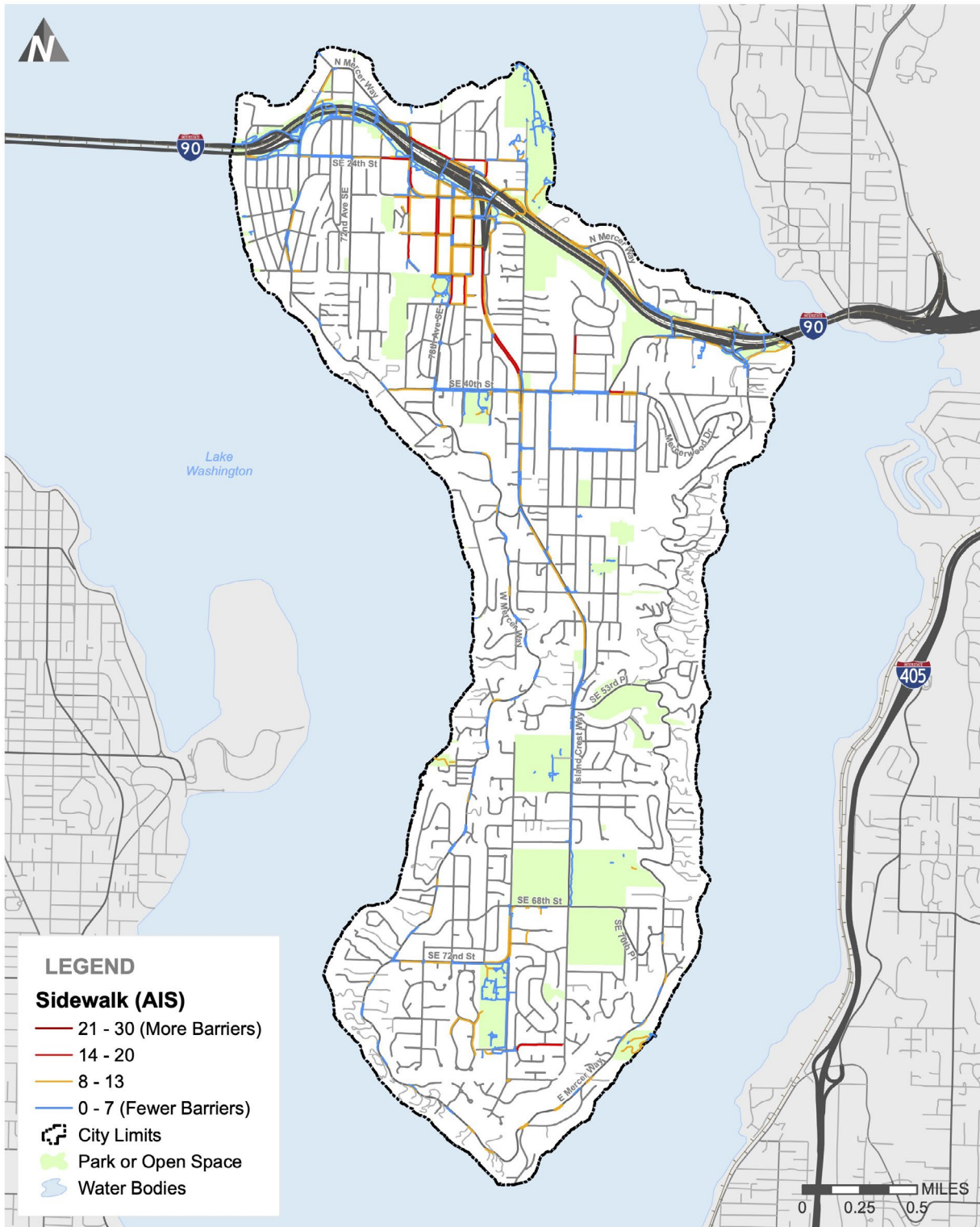
- Physical impact to accessibility
- Proximity to key pedestrian destinations, such as transit stops and schools.

The two resulting scores were added together to incorporate both factors into a single score for prioritization. Based on each facility's score, it was categorized as very high, high, medium, or low priority for barrier removal. Under this system, facilities that present greater barriers to accessibility and are located near multiple key pedestrian destinations are considered a high priority, while facilities with less significant physical barriers located farther from key pedestrian destinations are considered a low priority. Prioritization scoring factors are described below.

Physical impact to accessibility: Accessibility Index Score (AIS)

The Accessibility Index Score describes the degree to which each facility presents a physical barrier to accessibility. Criteria and weights were developed for sidewalks, curb ramps, and pedestrian pushbuttons. These criteria and weights are shown in **Appendix C**.

Potential scores for each facility range from 0 (compliant) to 30. Each facility's Accessibility Index Score is the sum of the individual criteria scores. Curb ramps with non-compliant ramp widths, running slopes, or cross-slopes greater than three percent were assigned the highest possible score of 30.



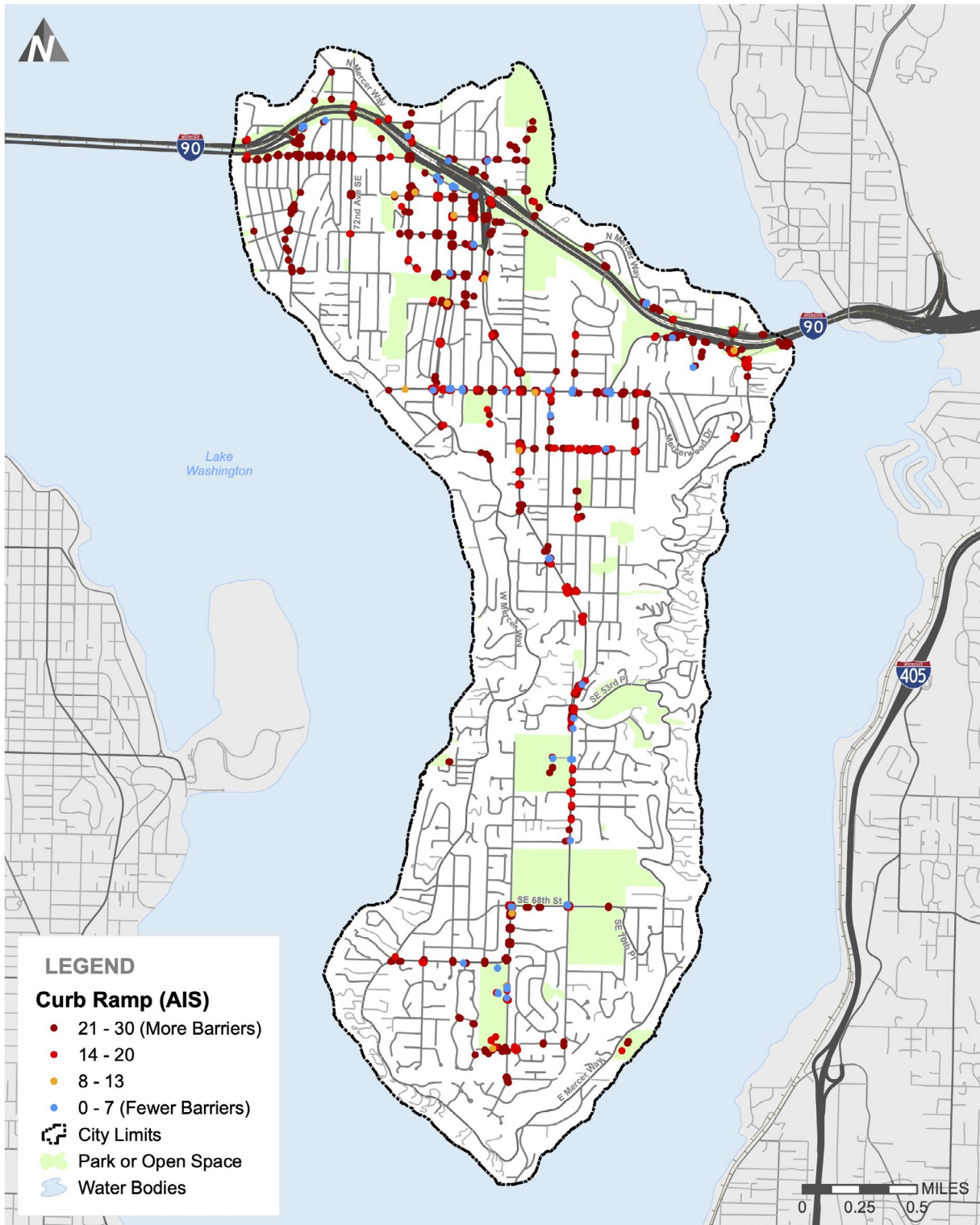
Accessibility Index Score Composite (Sidewalk)

City of Mercer Island ADA Transition Plan



FIGURE

4-1



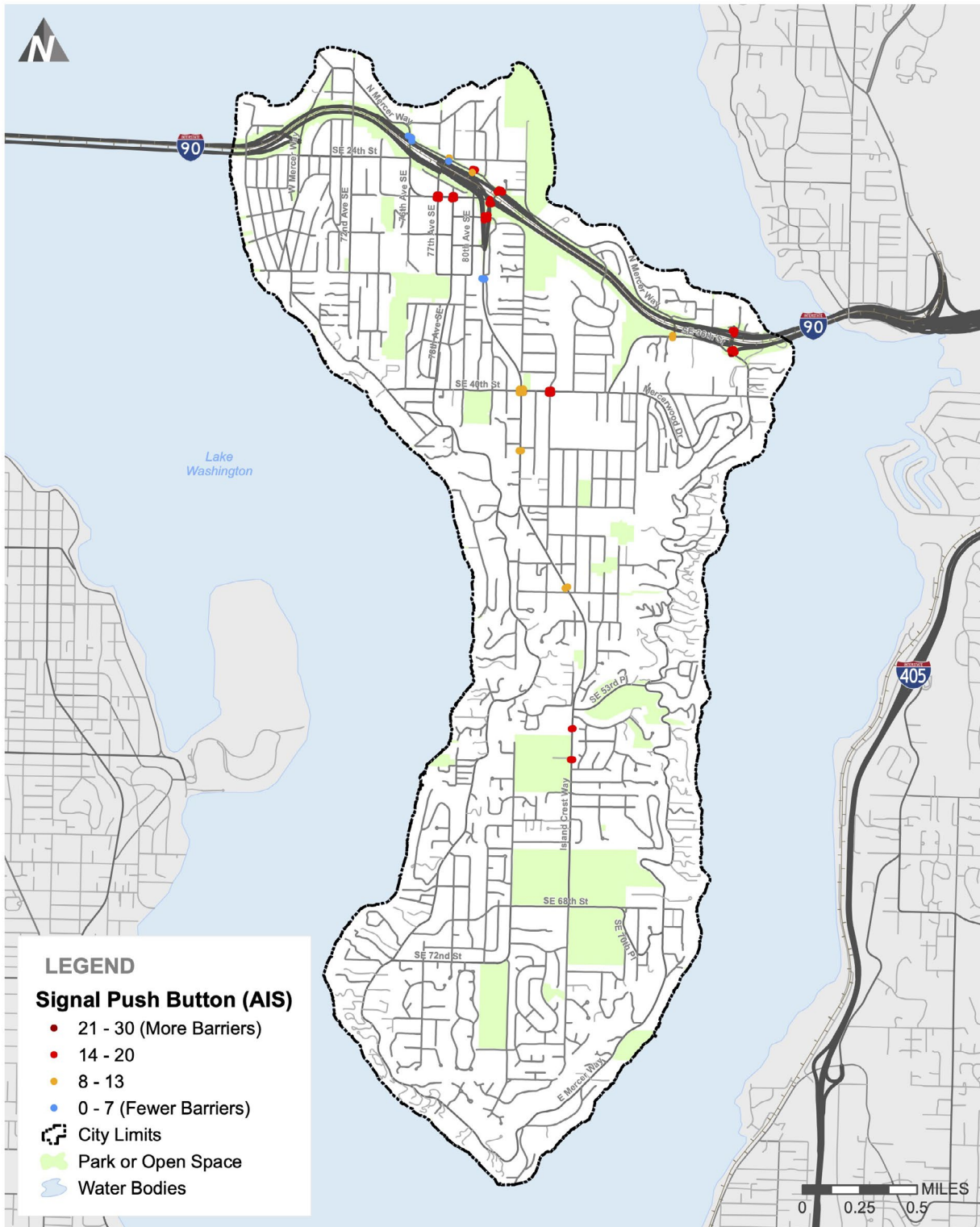
Accessibility Index Score Composite (Curb Ramp)

City of Mercer Island ADA Transition Plan



FIGURE

4-2

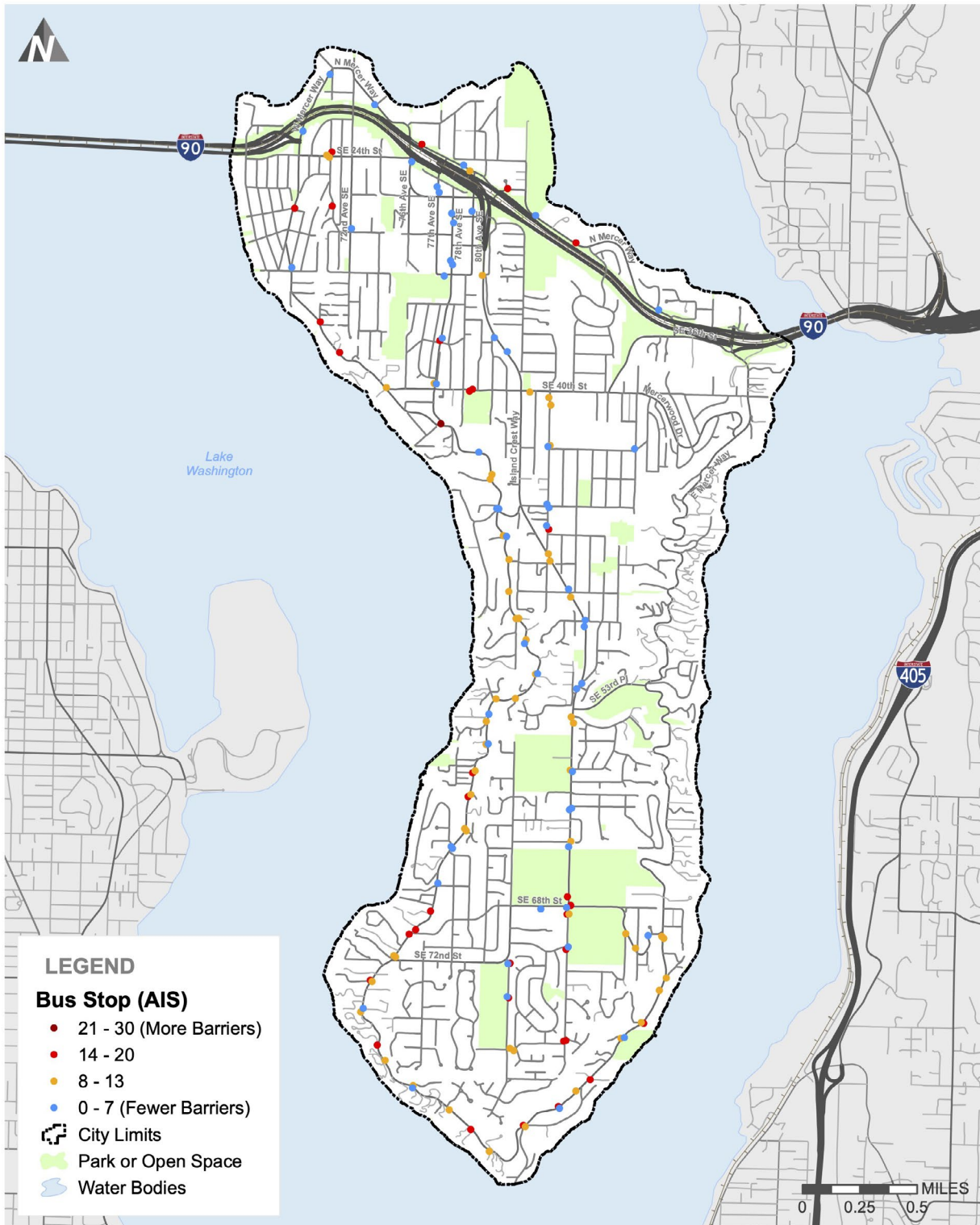


Accessibility Index Score Composite (Signal Push Button) FIGURE

City of Mercer Island ADA Transition Plan



4-3



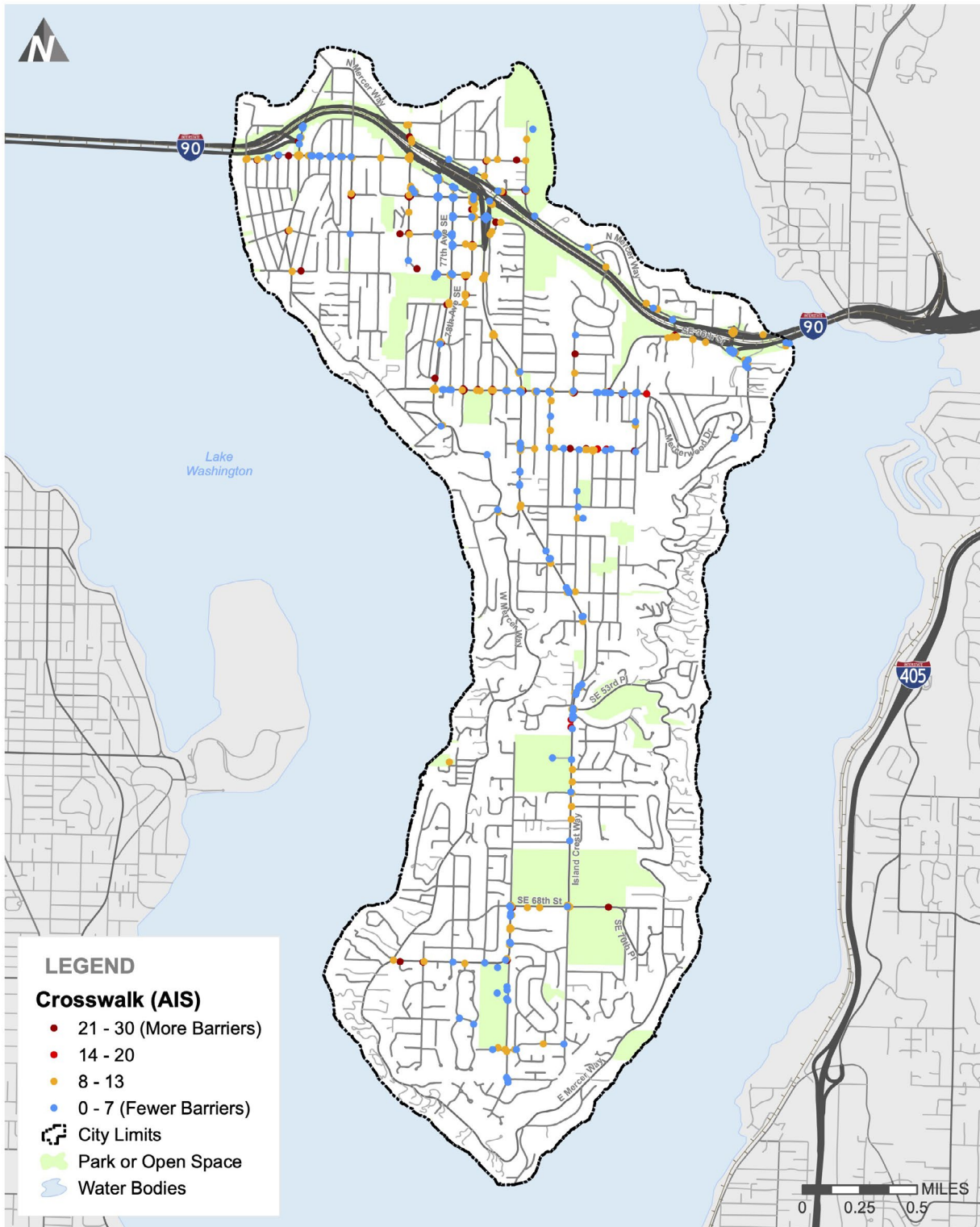
Accessibility Index Score Composite (Bus Stop)

City of Mercer Island ADA Transition Plan



FIGURE

4-4



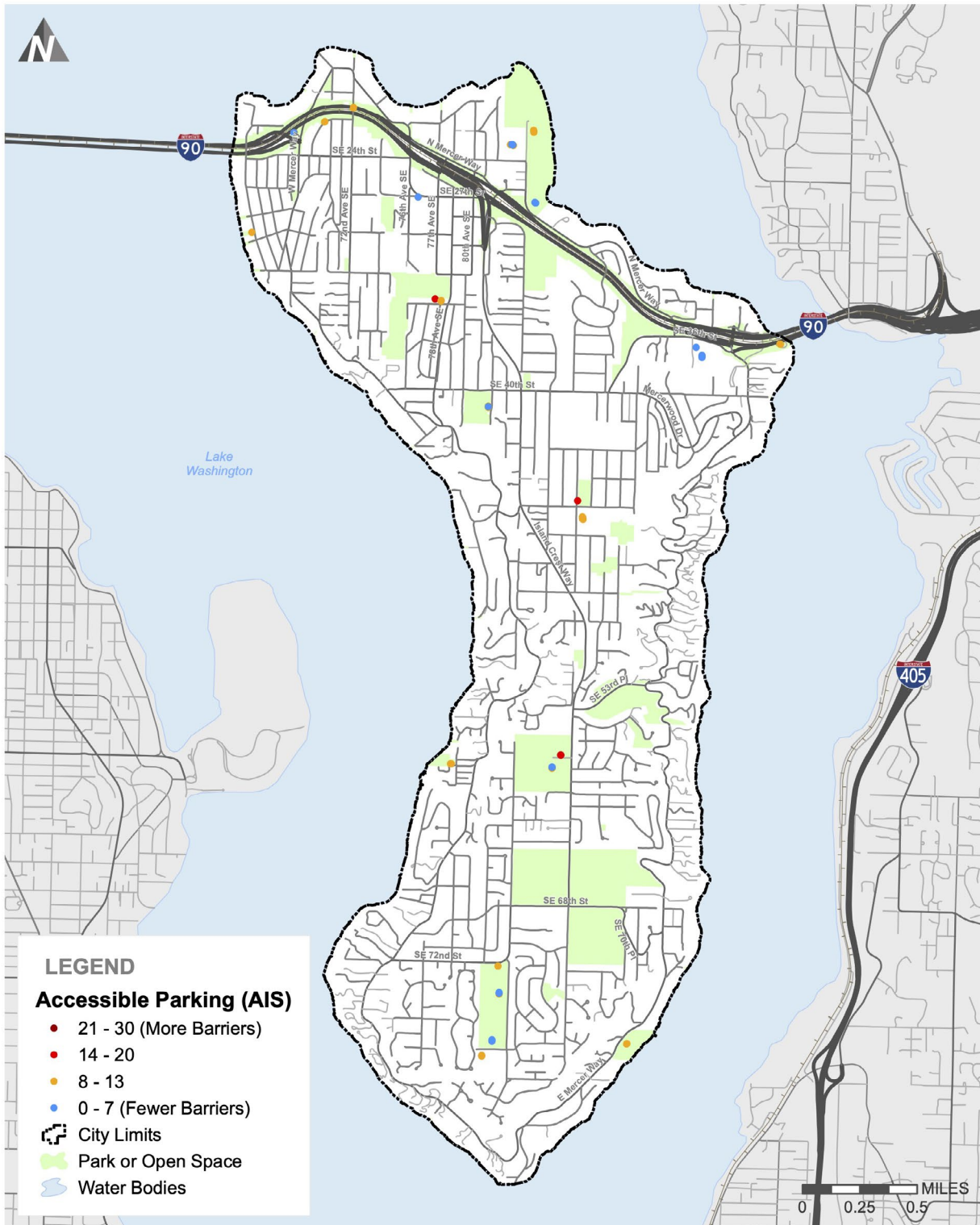
Accessibility Index Score Composite (Crosswalk)

City of Mercer Island ADA Transition Plan



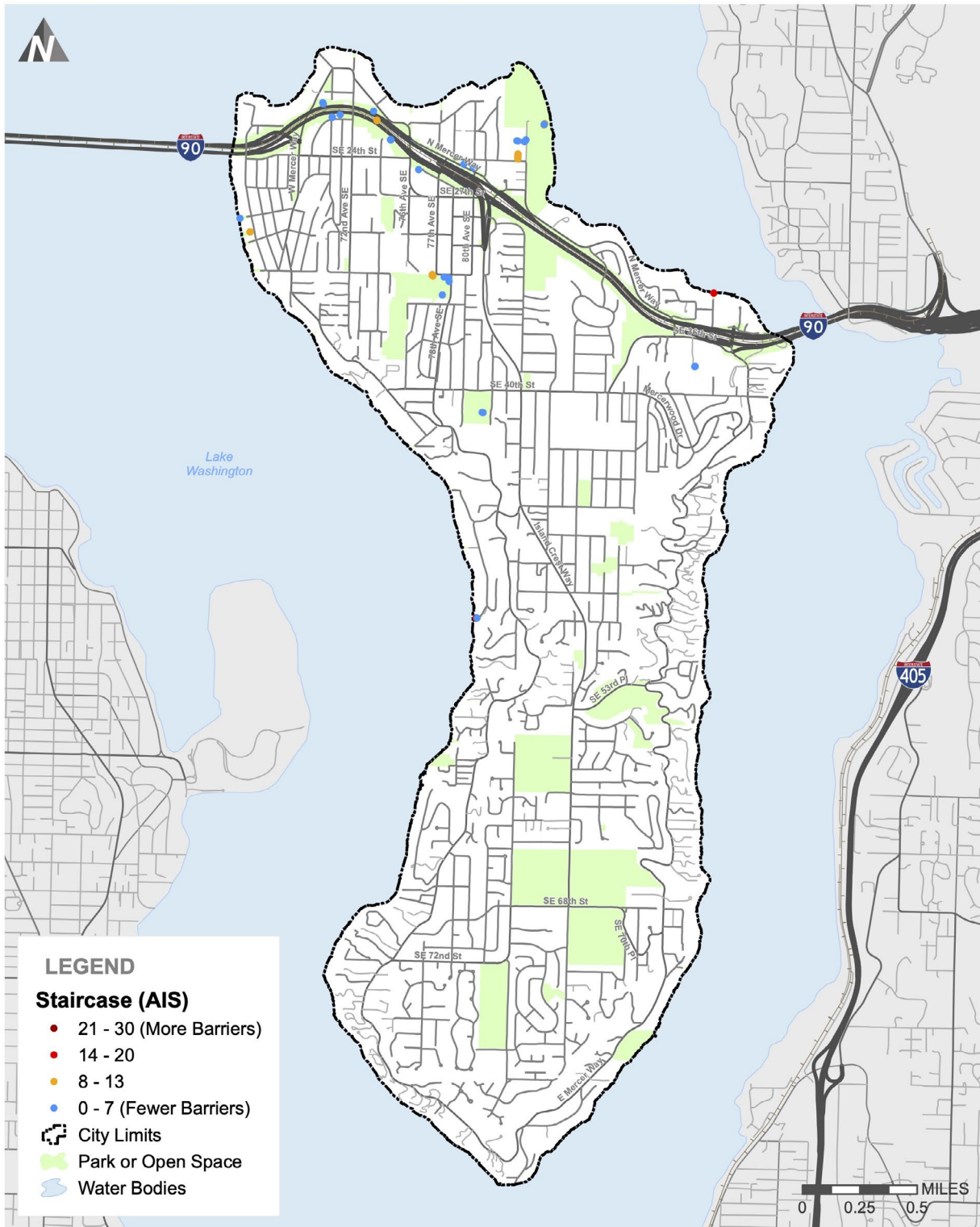
FIGURE

4-5



Accessibility Index Score Composite (Accessible Parking) **FIGURE 4-6**
 City of Mercer Island ADA Transition Plan

transpogroup



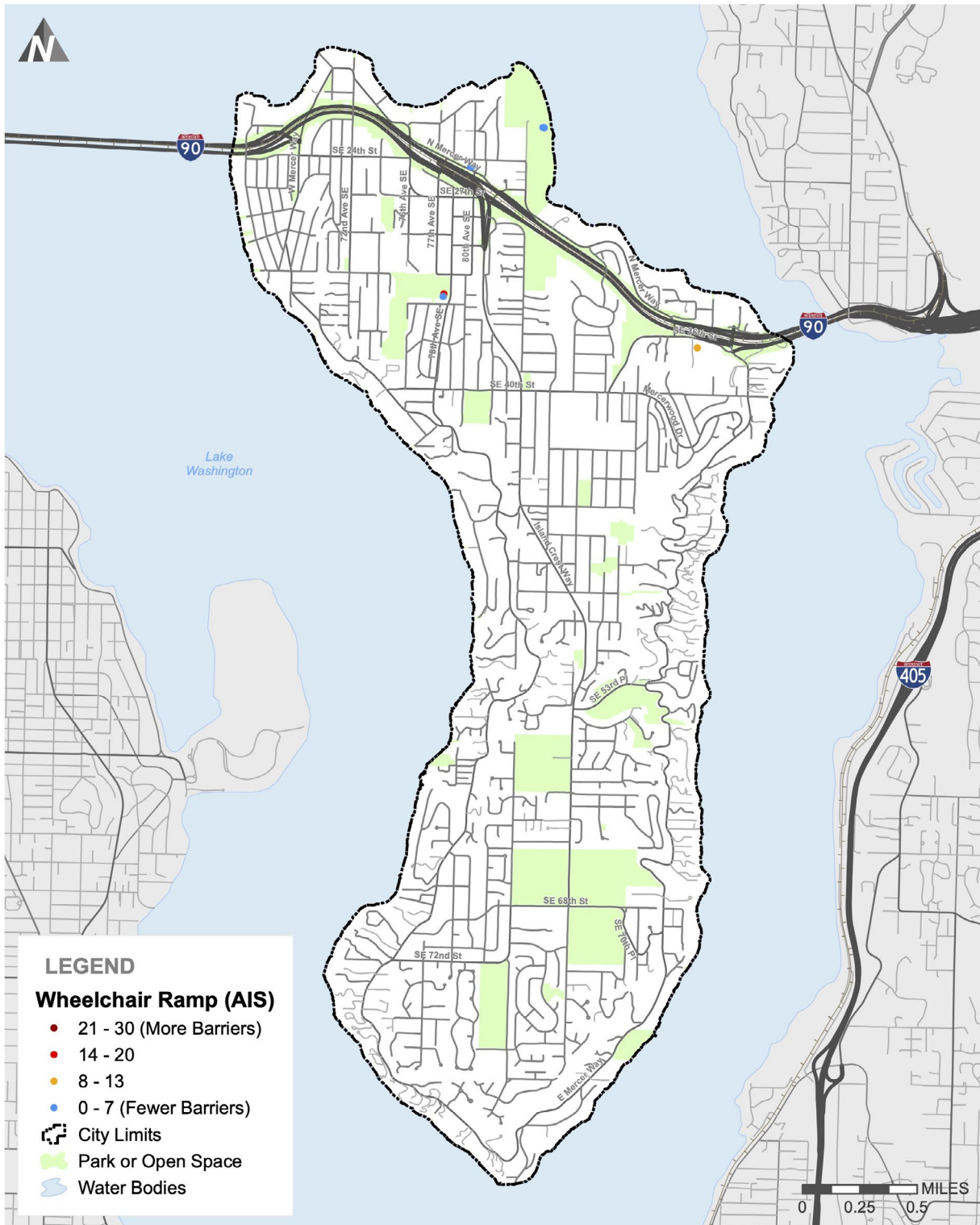
Accessibility Index Score Composite (Staircase)

City of Mercer Island ADA Transition Plan

transpogroup

FIGURE

4-7



Accessibility Index Score Composite (Wheelchair Ramp) FIGURE

City of Mercer Island ADA Transition Plan

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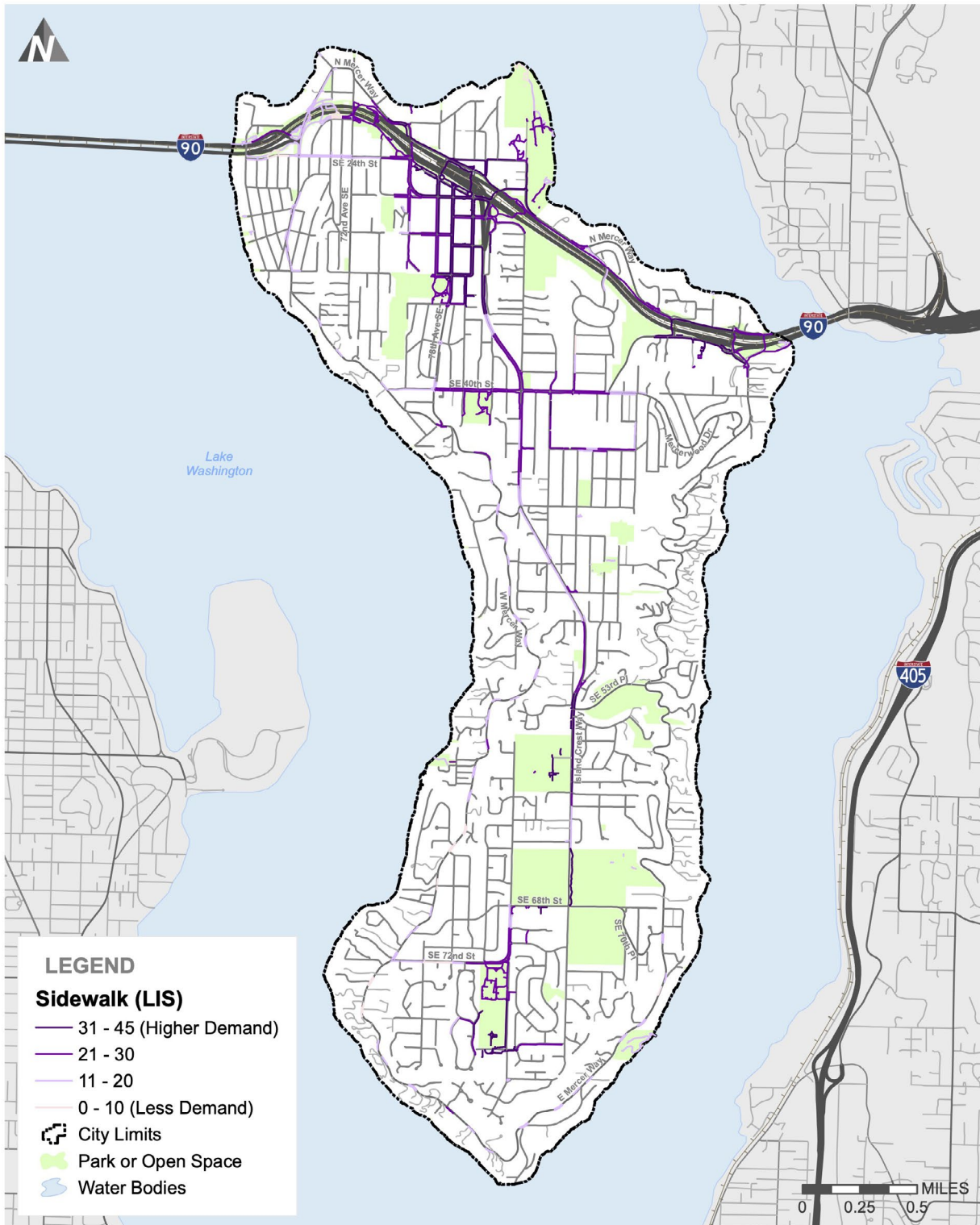
4-8

Proximity to key pedestrian destinations: Location Index Score (LIS)

The Location Index Score describes the importance of the pedestrian facility to accessing key pedestrian destinations. Each existing pedestrian facility was scored based on its proximity to schools, parks, transit facilities, signals or roundabouts, public buildings, and downtown or commercial business centers. Facilities near government buildings, hospitals and medical facilities, and City parks received a higher score to reflect feedback received through the public engagement survey.

Location Index Scores reflect the number of types of key pedestrian destinations within a defined radius. The full score for each type of destination is assigned if at least one facility of that type is nearby; scores do not increase if a facility is within the radius of multiple destinations of the same type. For example, a facility within one-eighth mile of two parks will receive a score of 5, while a facility within one-eighth mile of a park and a school will receive a score of 10.

Total Location Index Scores ranged from 0 to 45. Location scoring criteria and weights are shown in **Appendix C**.



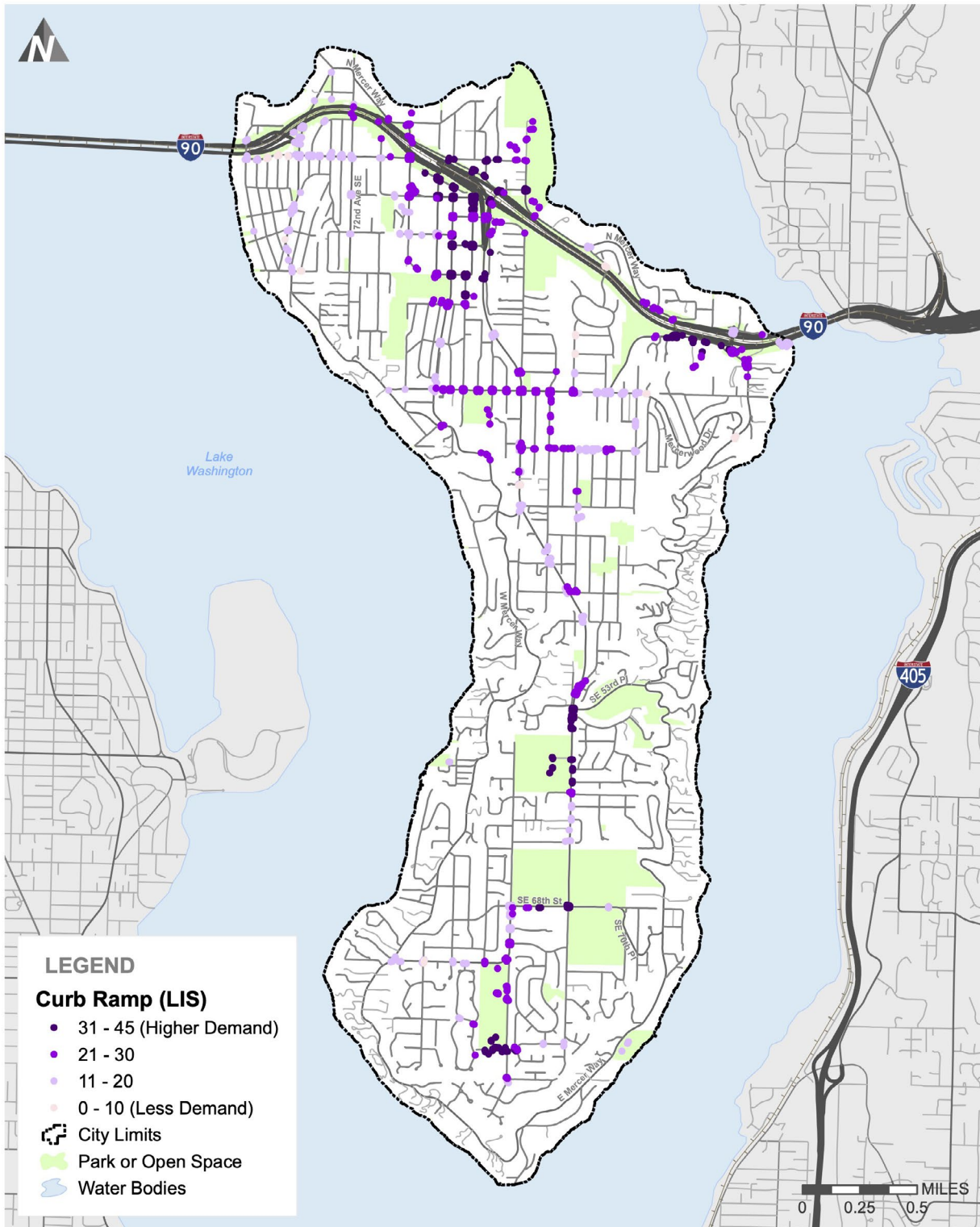
Location Index Score Composite (Sidewalk)

City of Mercer Island ADA Transition Plan



FIGURE

4-9



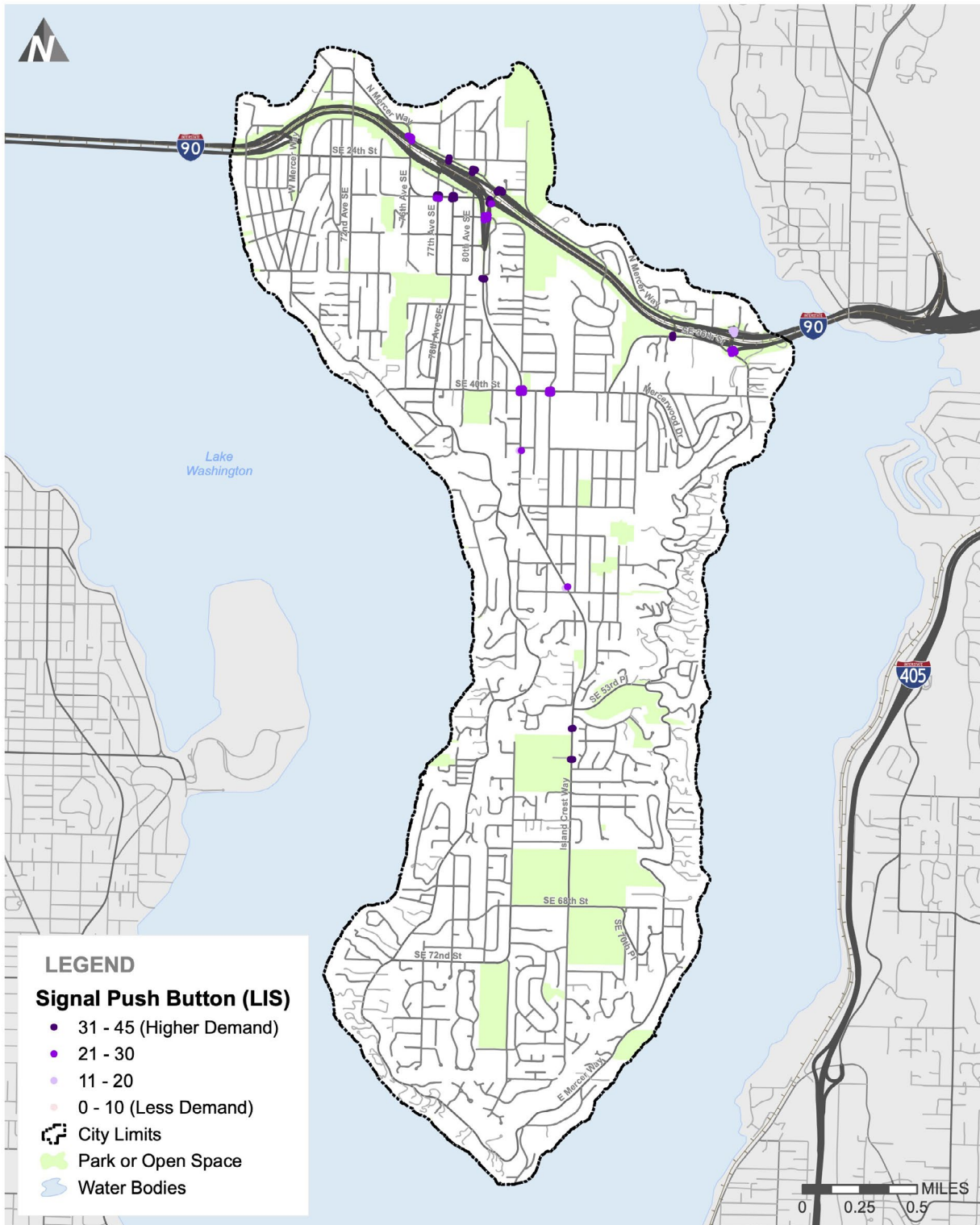
Location Index Score Composite (Curb Ramp)

City of Mercer Island ADA Transition Plan



FIGURE

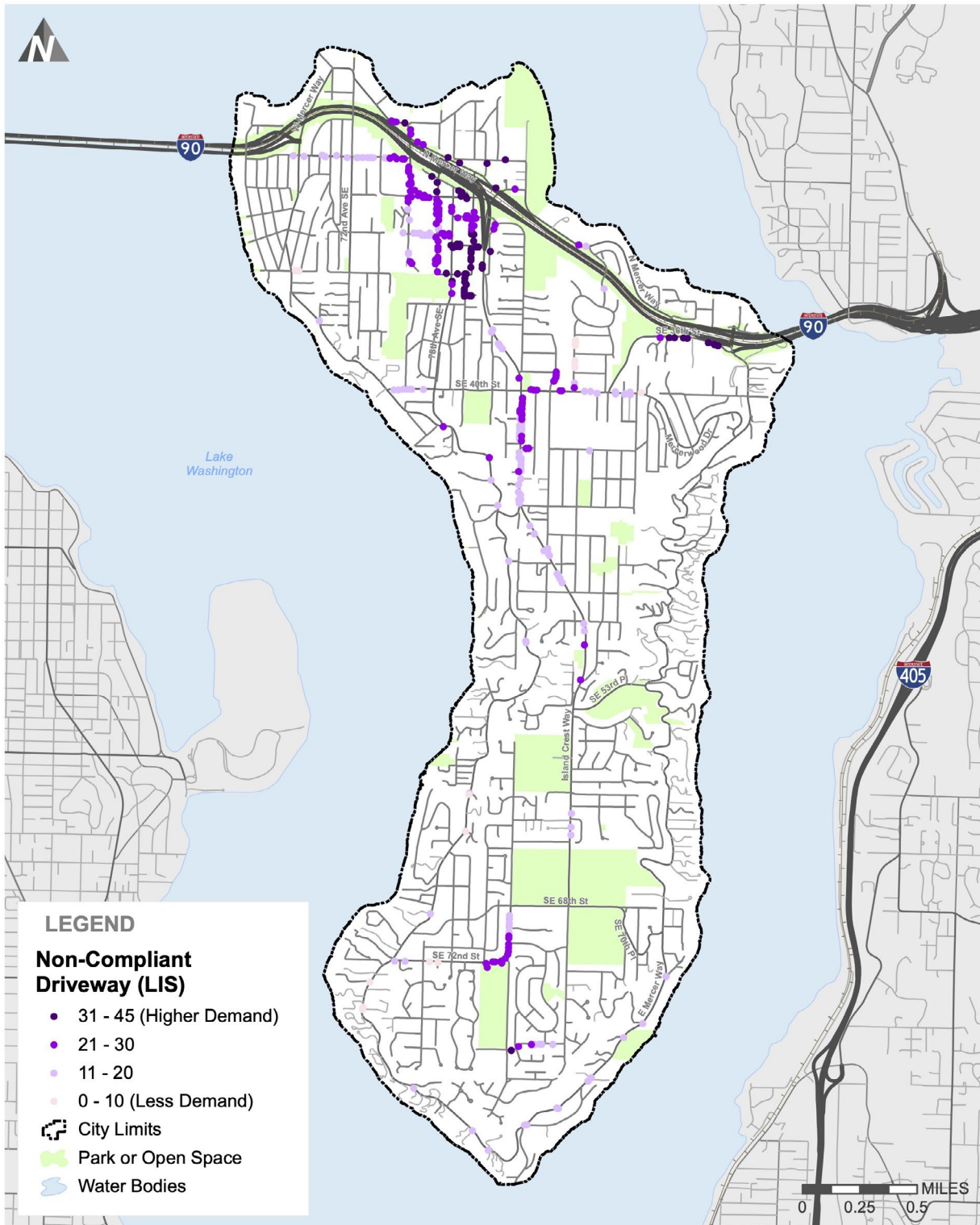
4-10



Location Index Score Composite (Signal Push Button)
 City of Mercer Island ADA Transition Plan

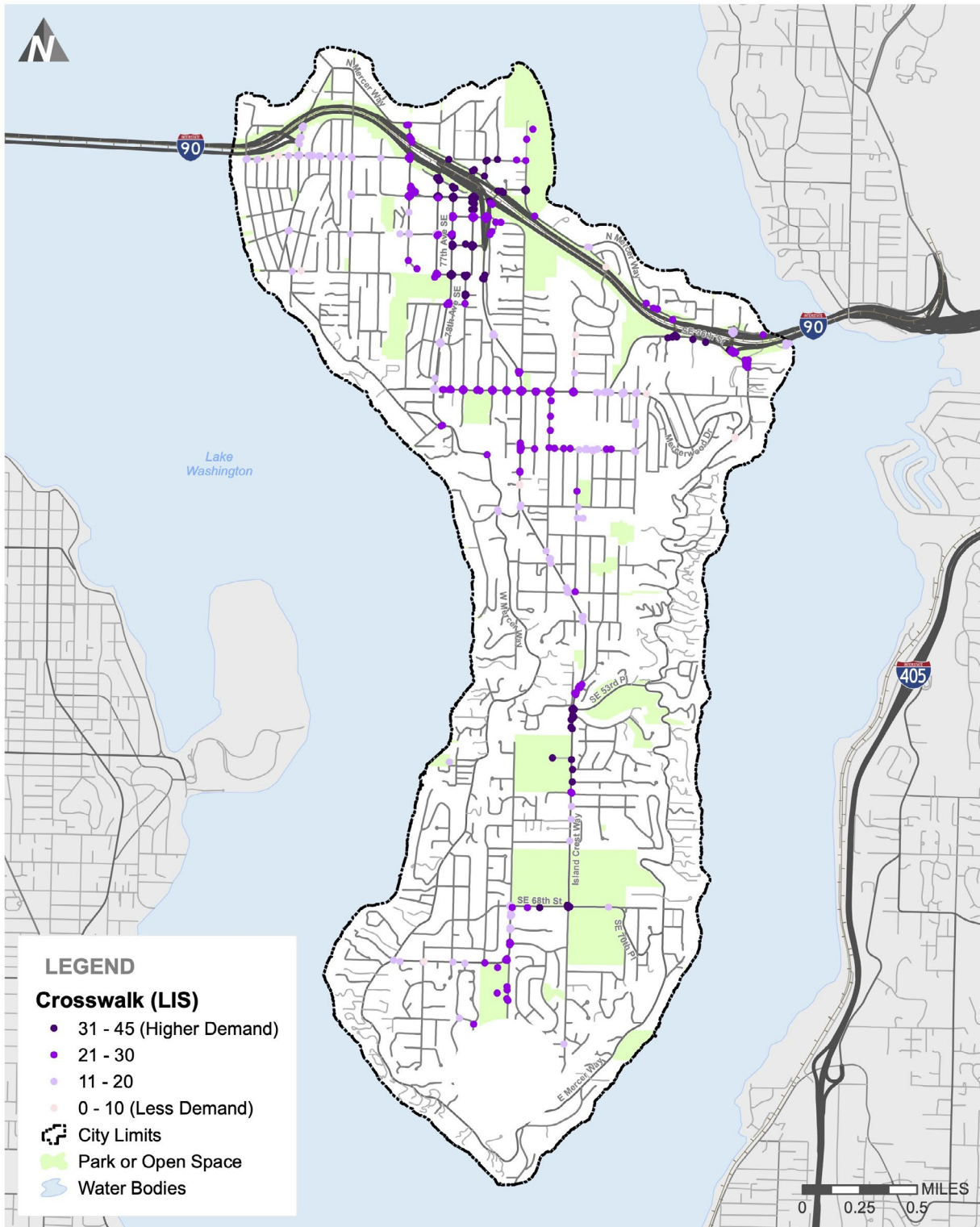
FIGURE 4-11





Location Index Score Composite (Non-Compliant Driveway) FIGURE 4-12
 City of Mercer Island ADA Transition Plan





Location Index Score Composite (Crosswalk)

City of Mercer Island ADA Transition Plan



FIGURE

4-13

Combined Index Score

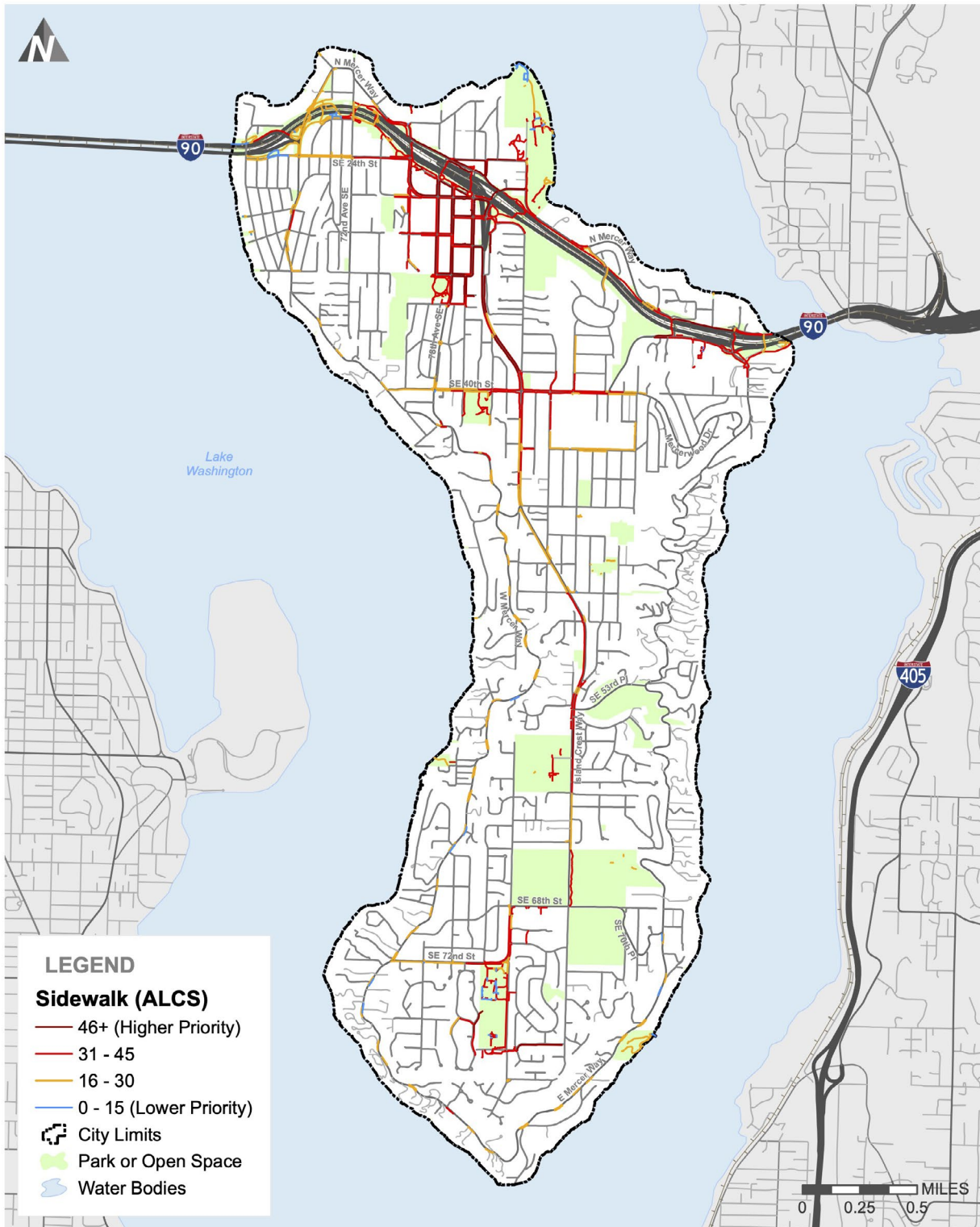
The Combined Index Score sums the Accessibility Index Score and Location Index Score to prioritize facilities with accessibility barriers in areas where pedestrians would be expected.

Scores were grouped into four categories:

- Very High: significant physical barriers in high-demand areas: 46-75 points
- High: 31-45 points
- Medium: 16-30 points
- Low: minor barriers in low-demand areas: 1-15 points

Scores reflect relative priority within each facility type; they do not indicate relative priority between facility types (ex., the importance of addressing a curb ramp barrier versus a sidewalk barrier).

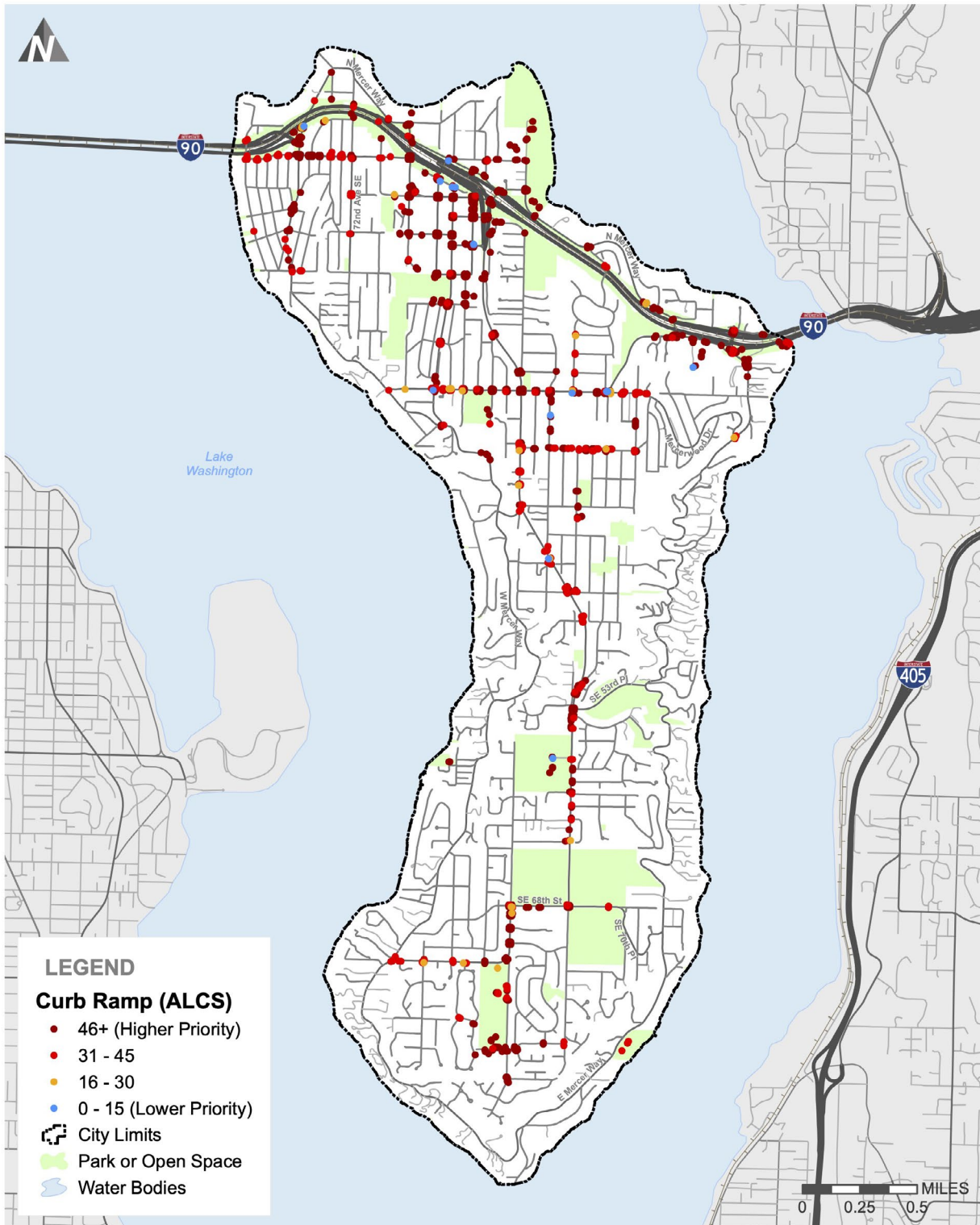
Combined index scores provide planning level context to barrier removal and overall accessibility needs within the city. As this Transition Plan is implemented, barrier removal will be guided by multiple factors, including funding availability, location of capital projects that include pedestrian elements, construction efficiency, project-level analysis, etc. Barriers of all priority levels will be removed over time.



Accessibility (AIS) & Location (LIS) Combined Score (Sidewalk) FIGURE

City of Mercer Island ADA Transition Plan

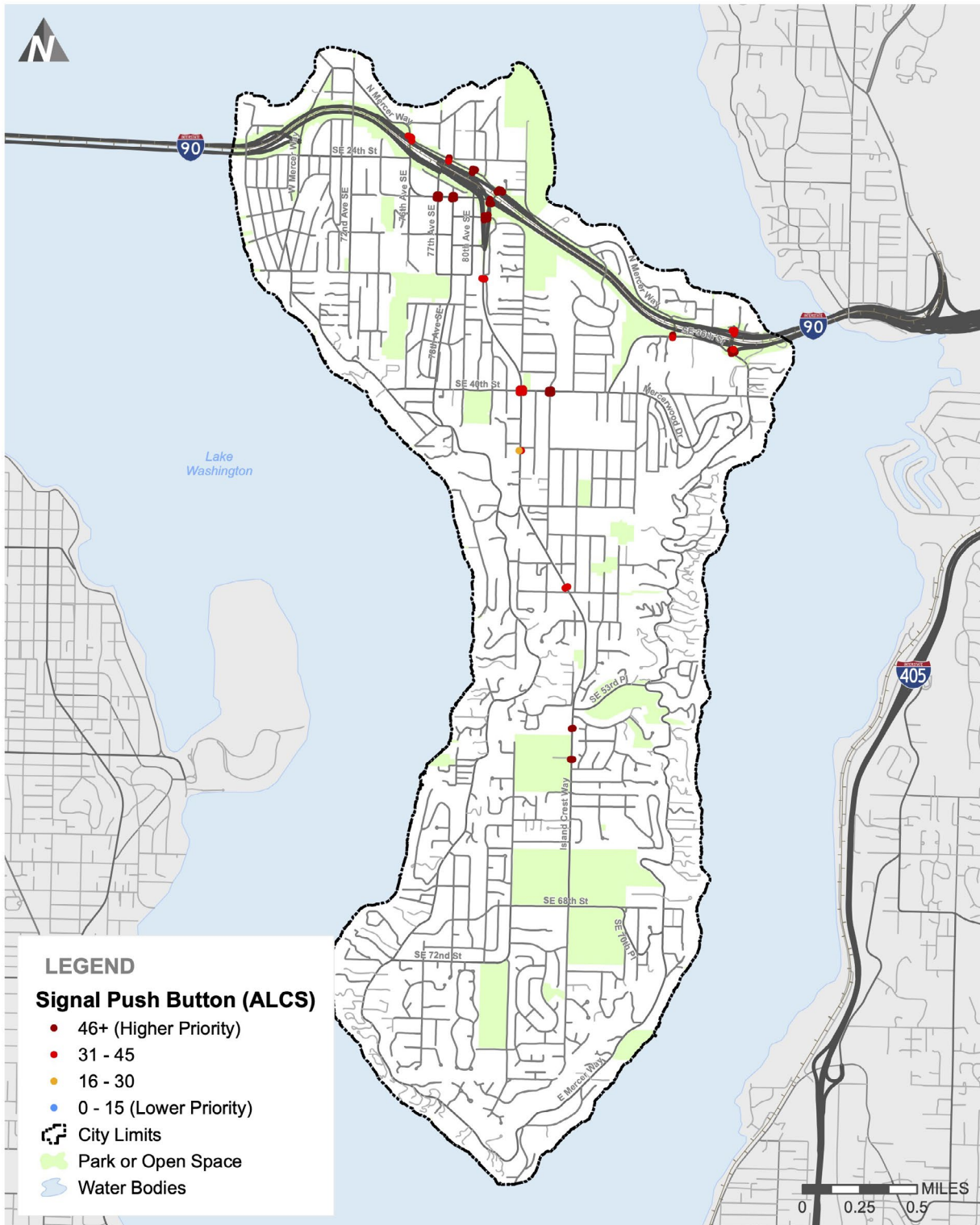
transpogroup 4-14



Accessibility (AIS) & Location (LIS) Combined Score (Curb Ramp) FIGURE

City of Mercer Island ADA Transition Plan

transpogroup  4-15



Accessibility (AIS) & Location (LIS) Combined Score (Signal Push Button) FIGURE

City of Mercer Island ADA Transition Plan

transpogroup 4-16

4.3.2 Prioritization of Pedestrian Barriers – Facilities & Parks

A similar assessment was performed for barriers inventoried in facilities and parks. Each facility's attribute and most parks elements, collected in the field was prioritized by the criteria provided by the Department of Justice (CFR Title 28). The priority scores were combined with building or park use information to generate a final score. Pedestrian pathways and curb ramps within parks were scored using the same method as facilities in the public right-of-way. The highest scores were given to barriers with the highest priority that are located in high use facilities.

Physical impact to accessibility: Accessibility Index Score (AIS)

The Accessibility Index Score describes the degree to which each facility presents a physical barrier to accessibility. Criteria and weights were developed for sidewalks, curb ramps, and pedestrian pushbuttons. These criteria and weights are shown in **Appendix C**.

As each barrier was inventoried in the City's facilities and parks, each barrier was assigned a prioritization level based on Title 28 of the Code of Federal Regulations. CFR Title 28 defines four levels of priority based the level of access provision. **Appendix C** shows priority criteria as well as a description of each level. These priority levels were assigned points which were used as the Accessibility Index Score for facilities and parks.

Facility Use Index Score (FIS)

A Facility Use Index Score was developed for each building and park based on the level and type of use of each facility. A summary of the scoring for each facility and park is included in **Appendix G**. Detailed prioritization criteria for parks facilities are included in **Appendix C**.

4.3.3 Planning Level Cost Estimates to Remove Pedestrian Barriers

To meet the ADA transition plan requirement of demonstrating how barriers are to be removed over time, annual available financial resources were estimated and compared to the total estimated barrier removal costs.

Process

Unit costs were developed for the improvements needed to address the pedestrian barriers inventoried through the Self-Evaluation. Unit cost estimates for each barrier type were developed using recent WSDOT and other construction bid tabulations, input from subject matter experts, and planning level cost assumptions. Unit cost estimates assumed contract-based construction, instead of use of in-house crews.

Unit cost estimates were applied to the inventoried barriers, with adjustments made to account for construction efficiencies and to avoid applying redundant improvements to the same facility. All cost estimates are in 2021 dollars. Cost estimate assumptions are detailed in **Appendix F**.

Barrier removal construction cost estimates account for contingency, design, right-of-way, mobilization, temporary erosion control, traffic control, and construction management. Sales tax, structural impacts to buildings, permit fees, inflation, and potential changes to accessibility standards are not assumed in the cost estimate.

This planning level cost analysis did not assess whether non-compliant pedestrian facilities had been built to the maximum extent feasible. Therefore, this cost estimate may overstate the amount of feasible improvements.

Planning level cost estimate to remove all identified barriers were developed for public right-of-way, parks, and facilities. **The removal costs for all non-compliant assets within the public right-of-way add to \$30,760,000, \$7,220,000 for the evaluated parks elements, and \$1,981,439 for the evaluated building elements (in 2021 dollars).** Cost estimates by facility and improvement type are shown in Table 4-1, Table 4-2, and Table 4-3.

Table 4-1 Planning Level Cost Estimate within Public Right of Way

Ada Deficiency	Improvement Types	Quantity	Unit Costs	Total Price
Sidewalk Improvements				
Non-compliant sidewalk	Reconstruct existing sidewalk/paved shoulder walkway	56,005 SY	\$145	\$8,121,000
Non-compliant driveway	New driveway with sidewalk	326 EA	\$2,900	\$946,000
				Subtotal \$9,067,000
Maintenance/Miscellaneous				
Non-compliant vertical discontinuity (>1/4in - <=1/2in w/out bevel)	Sidewalk grinding (5 LF of sidewalk).	349 EA	\$250	\$88,000
Non-compliant vertical discontinuity (>1/2in)	Replace two adjacent sidewalk panels (5ft x 5ft panels)	170 EA	\$806	\$137,000
Non-compliant horizontal discontinuity	Sidewalk crack sealing/grouting (5LF per occurrence)	9,375 EA	\$5	\$47,000
Fixed Obstacles	Relocation of obstacles including utility pole, mailbox, tree trunk, etc.	500 EA	\$3,000	\$1,500,000
Moveable Obstacles	Relocation of obstacles including tree/bush (prune-able), message boards, parked cars, etc.	97 EA	\$200	\$20,000
Protruding Obstacles	Relocation of obstacles including of bush/tree, signs, awnings etc.	516 EA	\$500	\$258,000
				Subtotal \$2,050,000
Curb Ramp Improvements				
Missing curb ramps	Install new curb ramp.	105 EA	\$6,000	\$630,000
Non-compliant ramp (running slope, cross slope, ramp width, flare slope, lip, grade break, etc.)	Remove and reconstruct existing ramp.	600 EA	\$6,000	\$3,600,000
Curb ramps without detectable warning surface (DWS), non-compliant DWS placement, non-compliant DWS depth, or non-compliant DWS Width	Install/replace detectable warning surface.	9 EA	\$1,030	\$10,000
				Subtotal \$4,240,000
Pushbutton Improvements				
Non-APS pushbutton and pushbutton is located incorrectly.	Install new APS pushbutton and install new pole.	72 EA	\$5,900	\$425,000
APS pushbutton that has non-compliant dimensions and/or programming and located incorrectly.	Reprogram pushbutton, reorient pushbutton, and/or install tactile arrow and install new pole and relocate pushbutton.	8 EA	\$3,700	\$30,000
APS pushbutton located incorrectly.	Install new pole and relocate pushbutton.	3 EA	\$3,500	\$11,000
APS pushbutton that has non-compliant dimensions and/or programming	Reprogram pushbutton, reorient pushbutton, and/or install tactile arrow.	1 EA	\$200	\$1,000
				Subtotal \$467,000
Bus Stop Improvements				
Non-compliant bus shelter turning space cross slope	Replace bus shelter pad (7.5 SY per occurrence).	23 SY	\$180	\$5,000
Non-compliant bus stop boarding area (running slope, cross slope, size, and/or condition)	Replace/construct boarding area (8ftx5ft) and two transition panels (5ftx5ft) - 10 SY per occurrence.	1,240 SY	\$145	\$180,000
				Subtotal \$185,000
Accessible Parking Improvements				
Non-compliant parking stall/parking aisle slope	Grind surface and/or add asphalt lift.	5 EA	\$2,000	\$10,000
Non-compliant accessible parking stall/parking aisle width or pavement marking.	Install parking stall accessible symbol/aisle pavement markings or resize and restripe stall/aisle.	2 EA	\$200	\$1,000
				Subtotal \$11,000
				Total \$16,020,000
				Contingency @ 20% \$3,204,000
				Design @ 12% \$1,923,000
				Mobilization @ 8% \$1,282,000
				TESC + Traffic Control @ 12% \$1,923,000
				Construction Management @ 20% \$3,204,000
				Right-of-Way @ 20% \$3,204,000
				Public Right-of-Way Total 2021 Dollars \$30,760,000

Table 4-2 Planning Level Cost Estimate within Parks

Ada Deficiency	Improvement Types	Quantity	Unit Costs	Total Price
Sidewalk Improvements				
Non-compliant sidewalk	Reconstruct, grind, or patch sidewalk.	22,035 SY	\$145	\$3,196,000
				Subtotal \$3,196,000
Maintenance/Miscellaneous				
Non-compliant vertical discontinuity (>1/4in - <=1/2in w/out bevel)	Sidewalk grinding (5 LF of sidewalk).	105 EA	\$250	\$27,000
Non-compliant vertical discontinuity (>1/2in)	Replace two adjacent sidewalk panels (5ft x 5ft panels)	70 EA	\$806	\$57,000
Non-compliant horizontal discontinuity	Sidewalk crack sealing/grouting (5LF per occurrence)	1,605 LF	\$5	\$9,000
Fixed Obstacles	Relocation of obstacles including utility pole, mailbox, tree trunk, etc.	35 EA	\$3,000	\$105,000
Moveable Obstacles	Relocation of obstacles including tree/bush (prunable), message boards, parked cars, etc.	18 EA	\$200	\$4,000
Protruding Obstacles	Relocation of obstacles including of bush/tree, signs, awnings etc.	88 EA	\$500	\$44,000
				Subtotal \$246,000
Curb Ramp Improvements				
Missing curb ramps	Install new curb ramp.	12 EA	\$6,000	\$72,000
Non-compliant ramp (running slope, cross slope, ramp width, flare slope, lip, grade break, etc.)	Remove and reconstruct existing ramp.	49 EA	\$6,000	\$294,000
Curb ramps without detectable warning surface (DWS), non-compliant DWS placement, non-compliant DWS depth, or non-compliant DWS Width	Install/replace detectable warning surface.	1 EA	\$1,030	\$2,000
				Subtotal \$368,000
Staircase Improvements				
Non-compliant staircase (riser, tread, slope, etc.)	Replace concrete staircase (per 1ft width of step).	366 LF	\$100	\$37,000
Non-compliant handrail or missing handrail (height, diameter, extensions, etc.)	Replace handrail.	571 LF	\$150	\$86,000
				Subtotal \$123,000
Wheelchair Ramp Improvements				
Non-compliant ramp (width, slope, landing, etc.)	Replace ramp	114 SY	\$190	\$22,000
Non-compliant handrail (height, diameter, extensions, etc.) or missing handrail	Replace handrail	260 LF	\$150	\$39,000
				Subtotal \$61,000
Accessible Parking Improvements				
Non-compliant parking stall/parking aisle slope.	Grind surface and/or add asphalt lift.	95 EA	\$2,000	\$190,000
Non-compliant accessible parking stall/parking aisle width or pavement marking.	Install parking stall accessible symbol/aisle pavement markings or resize and restrripe stall/aisle.	23 EA	\$200	\$5,000
Non-compliant sign height or no sign indicating accessible stall.	Install new sign or adjust existing sign.	32 EA	\$100	\$4,000
				Subtotal \$199,000
				Total \$4,193,000
				Contingency @ 20% \$839,000
				Design @ 12% \$504,000
				Mobilization @ 8% \$336,000
				TESC + Traffic Control @ 12% \$504,000
				Construction Management @ 20% \$839,000
				Public Right-of-Way Total 2021 Dollars \$7,220,000

Table 4-3 Planning Level Cost Estimate within Facilities

Ada Deficiency	Facility Index Score (FIS)	Total Cost
77th Avenue SE Landing	3	\$5,195
Aubrey Davis Park	22	\$66,994
Bicentennial Park	8	\$13,937
Boat Launch	3	\$7,201
Calkins Landing	3	\$29,157
Clarke Beach	8	\$69,963
Community and Events Center	37	\$300,258
Deane's Children's Park	29	\$24,045
Ellis Pond	3	\$478
First Hill Park	8	\$4,353
Forest Landing	3	\$1,133
Franklin Landing	3	\$1,663
Fruitland Landing	3	\$8,264
Garfield Landing	3	\$8,727
Groveland Beach	8	\$62,133
Homestead Park	8	\$55,397
Island Crest Park	15	\$49,356
Lincoln Landing	3	\$4,482
Luther Burbank Park	22	\$256,722
Luther Burbank Park Administration Building	30	\$30,363
Main Fire Station #91	22	\$39,730
Maintenance Hall	10	\$7,502
Mercer Island City Hall	37	\$122,008
Mercerdale Park	15	\$24,008
Miller Landing	3	\$710
Pioneer Park	15	\$6,380
Proctor Landing	3	\$1,016
Roanoke Landing	8	\$250
Roanoke Park	8	\$13,329
Rotary Park	8	\$8,232
Secret Park	8	\$6,399
Slater Park	8	\$4,629
South Fire Station #92	22	\$3,812
South Mercer Playfields	15	\$26,701
Wildwood Park	8	\$9,076
Youth & Family Services Thrift Shop/Recycling Center	30	\$29,975
	Total	\$1,303,577
	Contingency @ 20%	\$260,716
	Design @ 12%	\$156,429
	Construction Management @ 20%	\$260,716
	Public Right-of-Way Total 2021 Dollars	\$1,981,439

Table 4-4 Funding Allocation by Barrier Priority

Investment Priority	Percent of Funding Allocated to Barrier Removal
Very High	40%
High	30%
Medium	20%
Low	10%

4.3.4 Barrier Removal Funding

A requirement of this plan is to forecast available funding that may be used to support plan implementation. The following sections summarize the City’s current barrier removal funding sources.

4.3.4.1 Public ROW

This plan assumes total annual funding for barrier removal of approximately \$364,000 per year for public ROW pedestrian barrier removal. A breakdown of the approximate annual budget resources anticipated to be available to support pedestrian barrier removal implementation follows.

- Transportation Improvement Program (TIP) Projects, \$322,000
- ADA Compliance Plan Implementation, \$36,000
- Pedestrian and Bicycle Facilities (PBF) Plan Implementation, \$6,000

See Section 4.1 for details on these programs. These improvements may address low, medium, high, and very high priority barriers based on the location of a proposed larger project or maintenance program. Assumptions regarding the percentage of total project funding that is applied to barrier removal were determined through coordination with City staff.

4.3.4.2 Facilities & Parks

This plan assumes total annual funding for barrier removal of approximately \$225,000 per year for pedestrian barrier removal. As described in detail in Section 4.2, this funding is associated with CIP parks projects that include elements of ADA barrier removal.

These improvements may address low, medium, high, and very high priority barriers based on the location of a proposed larger project or maintenance program. Assumptions regarding the percentage of total project funding that is applied to barrier removal were determined through coordination with City staff.

4.3.5 Schedule

Based upon the Self-Evaluation, planning-level cost estimates, identified barrier removal methods, and projected budgetary resources that may be available, a barrier removal budget and schedule was developed. Due to the large investment needed to remove accessibility barriers, it is important to identify the highest priority barriers and focus resources to remove them first.

An analysis of the barrier prioritization was completed to determine how many barriers found during the self-evaluation process are classified as ‘very high’ and ‘high’, ‘medium’, and ‘low’ priority as defined in Section 4.1. Highest priority level represents a significant barrier to accessibility in areas with higher pedestrian demand. Lower priority levels represent lesser barriers to accessibility in areas with lower pedestrian demand. Although some facilities will receive low ratings, all barriers associated with them will still need to be removed and be determined to have been built to the maximum extent feasible. Approximately 35% of barriers are classified as very high priority, 40% are classified as high priority, 23% are classified as medium priority, and 1% are classified as low priority.

The City should aim to remove the highest priority barriers first as targetable funding becomes available. This will support the goal of providing better access to the most needed programs in the shortest time frame possible.

4.3.5.1 Public ROW

A transition plan was developed to target removal of very high priority barriers. It was assumed that a greater percentage of current City funding would be allocated to higher priority barriers. Assumed funding allocation based on barrier priority is summarized in Table 4-4.

With the City’s current funding allocation, approximately 87 transition years would be required to remove all very high priority right-of-way barriers. An approximately 20- to 40-year plan was developed to estimate the additional annual funding required to remove all very high priority barriers. The transition plan is summarized in Table 4-5.

The City should create a two to five-year barrier removal plan with a list of projects to remove specific barriers. This program should focus on the highest priority barriers as funding allows. The purpose of the repeated program is to make progress in barrier removal but also to provide a way to reassess the 20-to-40 year plan and measure incremental progress. In order to inform the two-to-five-year program, a scoping effort should occur that includes site visits for areas identified as a high

priority to determine the severity of the barrier and to brainstorm possible solutions to fix the issue. When selecting projects, site conditions and improvement feasibility should be taken into account. Areas with multiple barriers within close proximity can be grouped together to achieve cost savings. As areas are identified, additional data collection should be completed in the vicinity of the proposed project and added into the facility’s GIS database. The additional information will be able to provide the remaining attributes necessary to determine if a facility fully meets PROWAG requirements.

Following completion of each two to five-year plan implementation cycle, lessons learned regarding costs, methods, schedule, and outcomes shall be evaluated to inform the next two-to-five-year cycle of pedestrian barrier removal investments. If progress is slower than anticipated, additional funding may be required. If progress is faster than anticipated, a shorter timeline may be achievable. Several factors may contribute to differences between the estimated transition schedule and the actual rate and cost of implementation. Some of these factors include actual funding acquired, individual project cost, site specific design savings, additional deterioration of pedestrian facilities, and unanticipated capital projects. In addition, it may be determined that some barriers identified through this transition plan are on facilities that have been built to the maximum extent feasible as discussed in Section 5.1. Each project to remove barriers should be evaluated to determine if improvements to the facility are feasible in the engineering design phase.

4.3.5.2 Facilities & Parks

It is recommended that the City take a similar approach to barrier removal in public parks as discussed above for public right-of-way. It is anticipated that the existing level of annual funding for parks barrier removal will remain consistent moving forward.

Public facilities and parks barrier removal will be funded separately from the barrier removal for the public right-of-way and public parks. Table 4-3 summarizes the total amount of funding required to remove all barriers for each public facility included in this report, along with the Facility Index Score (FIS) for each facility. Locations with higher FIS scores should be prioritized before those with lower FIS scores. The costs listed include contingency, design, mobilization, and construction management costs. Each facility will likely be an isolated project to remove all barriers. The FIS can be used to prioritize the order of buildings to be updated. Detailed prioritization criteria is included in **Appendix C** and detailed FIS scoring is included in **Appendix G**.

Table 4-5 ADA Very High Barrier Removal Transition

Transition Years	Additional Annual Investment	Total Annual Investment
87 Years	\$0	\$364,000
40 Years	\$170,000	\$534,000
30 Years	\$270,000	\$634,000
20 Years	\$472,000	\$836,000

5 Recommendations and Next Steps

5.1 Recommended Actions

This chapter provides a set of recommendations intended to inform the implementation of this Transition Plan and ongoing removal of pedestrian barriers. Recommendations are not presented in priority order and represent near-term and longer-term Transition Plan implementation workplan tasks.

Recommendations identified as Pending require additional action from the City to implement. Underway recommendations are in progress at this time. On-going recommendations have been previously established and are continually in progress. Complete recommendations have been completed but may require additional action based on adjustments noted in this section.

Recommendation 1: Update City design standards to match ADA Standards

Status: Underway

A detailed audit of City design standards using Proposed Guidelines for Pedestrian Facilities in the Public Right-of-Way 2011 (PROWAG) was conducted to inform Chapter 2. This audit, which is included in **Appendix A** and recommends specific changes and additions to the City's standard plans and municipal code. Recommendations were identified for updating existing sidewalk, curb ramp, and pushbutton standards and filling in ADA guidelines for areas not covered in the City's standards and code. The City should update these documents to meet PROWAG standards.

Recommendation 2:

Identify an official responsible for Transition Plan implementation within the Public Works Department

Status: Complete

Jason Kintner has been identified as the responsible official. This position, often referred to as the “ADA Coordinator,” is one of the four major federal requirements for every ADA transition plan. The ADA Coordinator is responsible for facilitating transition planning such as responding to grievance requests. They also function as a central figure for organizing the various programs within the City to maintain a consistent approach to barrier removal and achieving ADA standards across capital, maintenance, and operational activities.

Roads Official Responsible for Plan Implementation:

Jason Kintner
ADA Coordinator

9611 SE 36th Street
Mercer Island, WA 98040

206-275-7600
TTY Relay Service: 711

jason.kintner@mercergov.org

Recommendation 3:

Adopt a Citywide Accessible Pedestrian Signal (APS) policy

Status: Pending

Accessible Pedestrian Signal (APS) policies serve as a means for cities to be consistent with ADA requirements at traffic signals. The APS policy covers when installation of APS devices that “communicate information about pedestrian timing in nonvisual formats such as audible tones, verbal messages, and/or vibrating surfaces” (MUTCD) is required. The recommended APS policy is included in **Appendix G**.

Recommendation 4:

Educate City staff, consultants, and contractors on ADA standards

Status: On-Going

Transition plans are often a learning experience for City staff, consultants, and contractors alike since they change existing practices and expectations. The City

should use updates to the City’s design standards as an opportunity to teach and learn about accessibility and the barriers that those with limited mobility or sight experience when traveling in the City’s public right-of-way. This should include clarifying guidance from the Department of Justice, for example, that when pedestrian facilities (curb ramps, sidewalks, crosswalks, pedestrian signals, etc.) within the public right-of-way are altered, they must be revised/replaced to meet current ADA standards. Education can take many forms from review of updated design standards with key individuals such as field inspectors and contractors, development and review of City specific design standards or checklists with City engineers, or training from groups that serve those with disabilities.

Recommendations 5:

Develop a standard grievance process for barriers to accessibility

Status: Pending

Public entities subject to Title II of the ADA are required to adopt and publish a grievance procedure as part of their transition plan. A grievance process allows community members to formally report denial of access to a City facility, program, or activity on the basis of disability.

Currently, the City has an established process to file a service request via the Public Works Department web page or the general City contact web page. The Public Works Maintenance Service Request can be found at <https://www.mercerisland.gov/publicworks/page/submit-service-request> and includes mobile reporting and online reporting tools with the ability to select a specific location.

The general City contact can be found at <https://www.mercerisland.gov/contact> and includes an open-ended question or comment submittal form.

It is recommended that the City establish a grievance procedure specifically for ADA accessibility barriers. A template for an example grievance procedure specific to accessibility barriers can be found in **Appendix H**.

The following adjustments are recommended to the City’s existing service request process:

- Make the ADA grievance process easily navigable from the City’s main website, and streamline the process on the website and through the City’s mobile app. The ADA grievance request process should be clearly labeled and available via the City’s Request City Services web page.

- Clarify whether a grievance specific to accessibility barriers can be submitted via the existing Public Works Service Request web page. If so, connect the ADA grievance request to the Public Works Maintenance Service Request page. If not, establish an ADA grievance request web page with location reporting similar to the Public Works Maintenance Service Request process.
- Connect the reporting tool used in the public engagement effort for this plan to the Public Works Service Request web page.

Recommendation 6:

Develop a consistent and centralized MEF documentation database

Status: Pending

The ADA dictates that alterations that could affect the usability of a facility must be made in an accessible manner to the maximum extent feasible (MEF). ADA Standards for Accessible Design (2010) dictates that:

Each facility or part of a facility altered by, on behalf of, or for the use of a public entity in a manner that affects or could affect the usability of the facility or part of the facility shall, to the maximum extent feasible, be altered in such manner that the altered portion of the facility is readily accessible to and usable by individuals with disabilities, if the alteration was commenced after January 26, 1992.

The City should document newly constructed or altered facilities that have been built to the maximum extent feasible rather than full ADA standards using standard template. An example template is included in **Appendix I**. Each project is to be evaluated to determine if improvements to the facility are feasible in the engineering design phase.

The reason for any variation from accessibility standards when it is infeasible to fully remove any barriers should be documented. To help organize MEF documentation, a central location for all MEF documentation can be established and geocoded to the facility location and ensure consistency of data for facilities designed and constructed by others. Consolidation of past MEF records into this data is also recommended.

Recommendation 7:

Develop performance measures and processes to track removal of barriers

Status: Pending

The primary purpose of an ADA transition plan is to develop a plan for removal of accessibility barriers. To show progress towards this requirement, the City should develop a process of tracking barrier removal on an annual basis. It is recommended that the City actively update the GIS ADA self-evaluation database developed for this plan, tracking how and when ADA barriers are removed. This data can be used to provide two-to-five-year updates on progress and demonstrate to the public as well as federal regulators that the City is making progress to meet Title II requirements. These updates should coincide with the two-to-five-year planning efforts completed to outline future barrier removal efforts.

Recommendations 8:

Continue data collection for pedestrian features in the public right-of-way

Status: Pending

The City should continue their data collection efforts to complete their database of pedestrian facilities in the public right-of-way. Attributes that are part of the PROWAG standards but not included in the first round of collection should be added to the GIS database as well as new types of facilities not inventoried like street parking, crosswalks, and bus stops. As construction projects within the City enter into the as-built phase, pedestrian facility data should be collected and entered into the GIS Database to enhance the barrier removal tracking process.

Recommendation 9:

Review and clarify policies relating to accessibility and implementation of accessible features in construction projects

Status: Pending

Work zones must provide the same level of accessibility as permanent pedestrian facilities covered by ADA requirements. Pedestrian accessibility must be maintained in areas of street construction and maintenance. The City should review its standards and policies to ensure that temporary, alternative walking routes are available within designated construction zones.

The City should develop and publish guidelines for replacing pedestrian facilities that are impacted by construction projects. When facilities are altered by construction, they should be reconstructed within ADA compliance to the maximum extent feasible. The City's guidelines would outline expectations for reconstructed facilities and who holds responsibility for reconstruction.

Recommendation 10:

Evaluate all City Programs and Activities as they relate to the ADA

***Status:* Pending**

The focus of the initial self-evaluation was on ADA barriers related to the public right-of-way within the City. The requirements for accessibility found in Title II of the ADA apply to many functions, programs, and activities the City may provide or engage in. In addition to the public right-of-way, self-evaluation and transition planning related to activities such as hiring communications, recreational programs, physical facilities, etc. should be performed to identify barriers within these programs and activities.

Appendix A - Standards Review Barrier Audit



TECHNICAL MEMORANDUM

Date:	December 1, 2021	TG:	1.21012.00
To:	Lia Klein, City of Mercer Island		
From:	Patrick Lynch, AICP, Transpo Group		
Subject:	Barrier Removal Audit – City of Mercer Island ADA Transition Plan		

The City of Mercer Island maintains road design standards and municipal code covering pedestrian facilities. The design standards are used for City funded projects as well as privately designed and constructed projects within City public right-of-way. This memorandum describes design guidelines that meet the requirements of the Americans with Disabilities Act (ADA), common accessibility design issues, and references to specific design guidelines. The audit of the City's roadway design standards and municipal code as they relate to pedestrian features within the public right-of-way include the City of Mercer Island Standard Details (MI Std.) and Mercer Island City Code (MIC).

Design Guidelines

There are several key design measurements that ADA design guidelines address. These measures are used because they are important to the accessibility and safety of the facility. When pedestrian facility designs cannot be constructed to full design requirements, they should be built to conform to the maximum extent feasible. When this arises, the City should identify the location this occurs, provide justification, and document for future reference.

Several guidelines and references are available to assist the City of Mercer Island in adhering to accessible design standards based on the needs for various projects. There are many opportunities to improve pedestrian conditions by identifying areas of need and establishing the appropriate accessibility design requirements.

2010 ADA Standards for Accessible Design (ADAS) (September 2010)

The Department of Justice published revised regulations for Titles II and III of the Americans with Disabilities Act of 1990 "ADA" in the Federal Register on September 15, 2010. These regulations adopted revised, enforceable accessibility standards called the 2010 ADA Standards for Accessible Design "2010 Standards". The 2010 Standards set minimum requirements – both scoping and technical — for newly designed and constructed or altered State and local government facilities, public accommodations, and commercial facilities to be readily accessible to and usable by individuals with disabilities.

Proposed Guidelines for Pedestrian Facilities in the Public Right-of Way (PROWAG) (November 2011)

The United States Access Board is the rule making body that guides ADA compliance across the US. Since the late 2000's the US Access Board has been in the process of updating its Guidelines for Pedestrian Facilities in the Public Rights-of-Way. These draft guidelines focus on accessibility of sidewalks, curb ramps and in the soon to be released versions address shared-use trails. The draft guidelines cover legislative background, administration requirements, and design requirements.

Many public entities currently use the 2005 draft PROWAG as 'best practice' for features within the public right-of-ways. This practice has been endorsed by the Federal Highway Administration (FHWA), the US Access Board, and is the standard the Washington Department of Transportation adheres to. The City's standards and codes were evaluated against 2011 PROWAG as this is the latest guideline developed by the Access Board. PROWAG sections referenced in this memo refer to 2011 PROWAG sections. When these standards conflicted with the 2010 ADA, the PROWAG standard is recommended.

Design Requirements

Although the City of Mercer Island has standards in place it is important for the standards to be consistent and compliant with the above standards and guidelines. To that end, this memo will provide recommendations to improve and clarify the

existing city documents. Recommended actions are included where necessary to meet ADA design standards and best practice. The tables below describe requirements for specific design elements, how they are addressed in City standards, and recommendations for modifications. In addition to the following tables, Attachment A includes markups on the city standard details to expand on the recommendations below.

Sidewalks and Pathways

Sidewalks are mentioned in the City’s standard details and city code. These standards cover desired dimensions and materials to be used for construction of these facilities. Sidewalks are a common element found in a pedestrian access route (PAR).

Design Element	Requirement	Review	Recommendations
Pedestrian Access Route (PAR) and Pedestrian Circulation Path (PCP)	Various	Sidewalks, pathways, and trails shown on multiple standard details.	N/A
Sidewalk Width	<p>Minimum clear width of PAR is 4 ft. excluding the curb; however, on PAR less than 5 ft. wide, passing space of 5 ft. by 5 ft. is required every 200 ft. minimum (PROWAG R302.3 and R302.4)</p> <p>Clear width of walking surfaces shall be 36 inches minimum. The clear width shall be permitted to be reduced to 32 inches minimum for a length of 24 inches maximum provided that reduced width segments are separated by segments that are 48 inches long minimum and 36 inches wide minimum. Additional space is required at turns (ADAS 403.5.1).</p>	<p>5 ft. minimum sidewalk width (MI Std. Detail ST-19).</p> <p>Passing width around mailbox cluster shown as 5’ recommended and 3’-6” minimum (MI Std. Detail ST-27B).</p> <p>4 ft. min. shoulder walkway width (MI Std. Detail T-5).</p> <p>8 ft. min. pathway width (MI Std. Detail T-8).</p> <p>6ft min. to 8 ft. max. pathway width (MI Std. Detail T-9).</p> <p>6ft min. to 10 ft. max. pathway width (MI Std. Detail T-10).</p> <p>5 ft. sidewalk width (MI Std. Detail T-16A).</p>	<p>Revise minimum passing width to 4 ft. (MI Std. Detail ST-27B).</p> <p>Revise minimum width to 5 ft. (MI Std. Detail T-5).</p>
Sidewalk Running Slope	<p>Where the PAR is contained within a street or highway right-of-way, its grade shall not exceed the general grade established for the adjacent street or highway. When the PAR is not contained within the street or highway right-of-way, the grade of shall not exceed 5 percent (PROWAG R302.5).</p> <p>The running slope of walking surfaces shall not be steeper than 1:20 (ADAS 403.3).</p>	Not mentioned.	Add note to MI Std. Detail T-16A, the running slope for a sidewalk along the roadway shall not exceed the general grade of the roadway. Sidewalks not adjacent to a roadway shall not have a running slope greater than 5%.
Sidewalk Cross Slope	<p>The cross slope of a PAR shall be 2 percent maximum (PROWAG R302.6).</p> <p>The cross slope of walking surfaces shall not be steeper than 1:48 (ADAS 403.3).</p>	<p>Sidewalk cross slope shown as 0.02 ft./ft. (MI Std. Details ST-10, ST-16, ST-37, ST-38, ST-39, T-7).</p> <p>Cross slope to match existing roadway (MI Std. Details T-5, T-8 & T-9).</p> <p>Cross slope to be minimum 2% (MI Std. Detail T-10).</p>	<p>Recommend including a desired cross slope of 1.5 percent or flatter to allow for construction tolerances with 2% as the maximum cross slope.</p> <p>Update slope units to be consistent across standard details.</p> <p>Show maximum cross slope of 2% instead of matching existing roadway (MI Std. Details T-5, T-8 & T-9).</p>

Sidewalks and Pathways

		Cross slope shown as 2% (MI Std. Detail T-16A).	
Protruding Objects	<p>Objects with leading edges more than 2.25 ft. and not more than 6.7 ft. above the finish surface shall protrude 4 in. maximum horizontally into the pedestrian circulation path (PCP) (PROWAG R402.2 & ADAS 307.2).</p> <p>Objects mounted on free-standing posts or pylons more than 2.25 ft. and not more than 6.7 ft. above the finish surface shall overhang pedestrian circulation paths 4 in. maximum measured horizontally from the post or pylon base. The base dimension shall be 2.5 in. thick minimum. Where objects are mounted between posts or pylons and the clear distance between the posts or pylons is greater than 1.0 ft, the lowest edge of the object shall be 2.25 ft. maximum or 6.7 ft. minimum above the finish surface (PROWAG R402.3).</p> <p>Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches maximum when located 27 inches minimum and 80 inches maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches, the lowest edge of such sign or obstruction shall be 27 inches maximum or 80 inches minimum above the finish floor or ground (ADAS 307.3).</p>	<p>Bottom sign should be mounted at 7 ft. (MI Std. Details TR-4 and TR-13).</p> <p>When sidewalk is present, edge of sign shall be located adjacent to back of sidewalk (MI Std. Detail TR-4).</p> <p>Passing width around mailbox cluster shown as 5' recommended and 3'-6" minimum (MI Std. Detail ST-27B).</p> <p>Tree branches to be trimmed a minimum 8 ft. clearance above walkway (MI Std. Detail UF-4 and MIC 19.10.140).</p> <p>Shrubs to be pruned to allow 6 inches of clearance behind sidewalk (MI Std. Detail UF-4).</p> <p>Placement of poles and associated equipment shall comply with regulations including ADA (MIC 19.06.075).</p> <p>Projecting Signs should clear the sidewalk by a minimum of eight feet (MIC 19.11.140).</p>	<p>Add a horizontal dimension to bottom sign showing the maximum protrusion into pathway the sign can extend (MI Std. Detail TR-13).</p> <p>Add note discussing protrusion requirements/cane detection requirements when mailbox is along a pedestrian circulation route (MI Std. Detail ST-27A).</p>
Surface Discontinuities	<p>Vertical surface discontinuities shall not exceed 0.5 in. maximum. Vertical discontinuities between 0.25 in. and 0.5 in. maximum shall be beveled not steeper than 50 percent (PROWAG R302.7.2)</p> <p>Horizontal openings shall not permit passage of a sphere more than 0.5 in. in diameter. Elongated openings in grates shall be placed so that the long dimension is perpendicular to the dominate travel direction (PROWAG R302.7.3).</p> <p>Vertical. Changes in level of 1/4 inch high maximum shall be permitted to be vertical. Changes in level between 1/4 inch high minimum and 1/2 inch high maximum shall be beveled with a slope not steeper than 1:2 (ADAS 302.2 & 302.3).</p>	<p>Expansion joints shall be 1/4 in. "V" groove (MI Std. Detail T-16B2).</p>	<p>Add requirement that utility boxes located in sidewalks shall have non-slip lids.</p>

Sidewalks and Pathways

Crossings

Crosswalks are part of the PAR at intersections, midblock crossings, and pedestrian refuge islands. These are important connections across streets to enable pedestrians travelling from one side to the other.

Design Element	Requirement	Review	Recommendations
Crosswalk Running Slope	The running slope shall be 5 percent maximum, measured parallel to the direction of pedestrian travel in the crossing (PROWAG R302.5.1).	Not mentioned.	Include reference to WSDOT Design Manual Chapter 1510 crosswalk slope requirements (MI Std. Details T-7C1 and T-7C2).
Crosswalk Cross Slope	<p>Crosswalk cross slope at crossings without yield or stop control shall be 5 percent maximum (PROWAG R302.6.1).</p> <p>Crosswalk cross slope at yield or stop control crossings shall be 2 percent maximum (PROWAG Advisory R302.6.1).</p> <p>Crosswalks cross slope at midblock crossings shall be permitted to equal the street or highway grade (PROWAG R302.6.2).</p>	Not mentioned.	Include reference to WSDOT Design Manual Chapter 1510 crosswalk slope requirements (MI Std. Details T-7C1 and T-7C2).
Refuge Islands	<p>Detectable warning surfaces at cut-through islands shall be located at placed at the edges of the pedestrian island and separated by a 2.0 ft. minimum length of surface between detectable warning surfaces (PROWAG R305.2.4).</p> <p>The clear width of a PAR with median and pedestrian refuge islands shall be 5.0 ft. minimum (PROWAG R302.3.1).</p>	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'

Curb Ramps

Curb ramps are the immediate junctions between the sidewalk and street crosswalk. Perpendicular and diagonal curb ramps have a running slope that cuts through the curb at right angles, while parallel curb ramps have a running slope that is in-line with the sidewalk. Combination ramps include elements of both parallel and perpendicular curb ramps.

Design Element	Requirement	Review	Recommendations
Ramp Width	<p>The clear width of curb ramp runs and blended transitions, excluding flares, shall be 4.0 ft. minimum (PROWAG R304.5.1).</p> <p>The clear width of a ramp run shall be 36 inches minimum (ADAS 405.5).</p>	<p>Curb ramp run width shown as 4ft. minimum and match sidewalk width (Std. Details ST-22A, ST-22B, ST-22D-1, and ST-22D-2).</p> <p>Curb ramp run width shown as 4ft. minimum (Std. Details ST-22C-1, ST-22C-2, ST-22E-1 and ST-22E-2).</p>	<p>Add "match sidewalk" to curb ramp run width label (Std. Details ST-22E-1 and ST-22E-2).</p>
Running Slope	<p>The running slope shall be 5 percent minimum and 8.3 percent maximum but shall not require the ramp length to exceed 15.0 ft. (PROWAG R304.2.2).</p> <p>The running slope of blended transitions shall be 5 percent maximum (PROWAG R304.4.1).</p> <p>Ramp runs shall have a running slope not steeper than 1:12. In existing sites, buildings, and facilities, ramps shall be permitted to have running slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations (ADAS 405.2).</p>	<p>Curb ramp running slope is shown as 8.3% maximum (MI Std. Details ST-22A, ST-22B, ST-22C-1, ST-22C-2, ST-22D-1, ST-22D-2, ST-22E-1, and ST-22E-2).</p> <p>The following note is included "Curb ramp maximum running shall not require the ramp length to exceed 15 feet to avoid chasing the slope indefinitely when connecting to steep grades. When applying the 15 foot maximum length, the running slope of the curb ramp shall be as flat as feasible." (MI Std. Details ST-22A, ST-22B, ST-22C-1, ST-22C-2, ST-22D-1, ST-22D-2, ST-22E-1, and ST-22E-2).</p>	<p>Recommend including a desired running slope of 7.5 percent or flatter to allow for construction tolerances with 8.3 percent as the maximum running slope.</p>
Cross Slope	<p>The cross slope shall be 2 percent maximum. At pedestrian street crossing without yield or stop control and at midblock pedestrian street crossings, the cross slope shall be permitted to equal the street or highway grade (PROWAG R304.5.3).</p> <p>Cross slope of ramp runs shall not be steeper than 1:48 (ADAS 405.3).</p>	<p>Curb ramp cross slope is shown as 2.0% max. (MI Std. Details ST-22A, ST-22B, ST-22D-1, ST-22E-1, and ST-22E-2).</p>	<p>Recommend including a desired cross slope of 1.5 percent or flatter to allow for construction tolerances with 2.0 percent as the maximum cross slope.</p> <p>Consider adding allowance for cross slope of curb ramps to match roadway grade for street crossings without yield or stop control and at midblock crossings.</p>
Flared Sides	<p>Flared sides with a slope of 10 percent maximum, measured parallel to the curb line, shall be provided where a pedestrian circulation path crosses the curb ramp (PROWAG R304.2.3).</p> <p>Curb ramp flares shall not be steeper than 10 percent (ADAS 406.3).</p>	<p>Flare slope is shown as 10% maximum measured parallel to curb (MI Std. Detail ST-22C-1).</p>	<p>N/A</p>

Curb Ramps

Design Element	Requirement	Review	Recommendations
Direction	<p>Perpendicular curb ramps shall have a running slope that cuts through or is built up to the curb at right angles or meets the gutter grade break at right angles.</p> <p>Parallel curb ramps shall have a running slope that is in-line with the direction of sidewalk travel (PROWAG Advisory R304.1).</p>	<p>Curb ramp figures labeled correctly for the type of curb ramps shown (MI Std. Details ST-22A, ST-22B, ST-22C-1, ST-22C-2, ST-22D-1, ST-22D-2, ST-22E-1, and ST-22E-2).</p>	N/A
Counter Slope	<p>The counter slope of the gutter or street at the foot of curb ramp run, blended transitions, and turning space shall be 5 percent maximum (PROWAG R304.5.4).</p> <p>Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 5%. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level (ADAS 406.2).</p>	<p>Counter slope is shown as 5.0% maximum (MI Std. Details ST-22A, ST-22C-1, ST-22C-2, ST-22D-1, and ST-22E-1).</p>	<p>Add additional section views to show cross slope per Attachment A markups.</p>
Grade Breaks	<p>Grade breaks at the top and bottom of curb ramps shall be perpendicular to the direction of ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush (PROWAG R304.5.2).</p> <p>Changes in level other than the running slope and cross slope are not permitted on ramp runs (ADAS 405.4).</p>	<p>The following note is included "Where "grade break" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush." (MI Std. Details ST-22A, ST-22B, ST-22C-1, ST-22C-2, ST-22D-1, ST-22D-2, ST-22E-1, and ST-22E-2).</p>	N/A

Curb Ramps

Design Element	Requirement	Review	Recommendations
Turning Space/Landing Size	<p>For perpendicular curb ramps, a turning space 4.0ft. by 4.0ft. minimum shall be provided at the top of the curb ramp. If the turning space is constrained at the back of sidewalk, the turning space shall be 4.0ft. by 5.0ft. minimum. The 5.0ft. dimension shall be provided in the direction of the ramp run. (PROWAG R304.2.1).</p> <p>For parallel curb ramps, a turning space 4.0ft. by 4.0ft. minimum shall be provided at the bottom of the curb ramp. If the turning space is constrained on 2 or more sides, the turning space shall be 4.0ft. by 5.0ft. minimum. The 5.0ft. dimension shall be provided in the direction of the pedestrian crossings. (PROWAG R304.3.1).</p> <p>The landing clear length shall be 36 inches minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing (ADAS 406.4).</p>	<p>Turning space required to be 4ft. by 4ft. minimum (MI Std. Details ST-22C-1, ST-22C-2, ST-22D-1, ST-22D-2, ST-22E-1, and ST-22E-2).</p> <p>Turning space required to be 4ft. by 5ft. minimum (MI Std. Details ST-22A and ST-22B).</p>	<p>Recommend including a desired cross slope of 1.5 percent or flatter to allow for construction tolerances with 2.0 percent as the maximum cross slope.</p> <p>Add note to discuss landing dimensions for when a landing is constrained to curb ramp standard figures.</p> <p>Perpendicular and Combination Curb Ramps: If the turning space is constrained at the back of sidewalk, the turning space shall be 4.0ft by 5.0ft minimum. The 5.0ft dimension shall be provided in the direction of the ramp run (MI Std. Details ST-22C-1, ST-22C-2, ST-22D-1, and ST-22D-2).</p> <p>Parallel Curb Ramps: If the turning space is constrained at the back of sidewalk, the turning space shall be 4.0ft by 5.0ft minimum. The 5.0ft dimension shall be provided in the direction of the pedestrian crossing (MI Std. Details ST-22E-1 and ST-22E-2). Recommend including a 5.0ft. by 5.0ft turning space for parallel curb ramps as the dimension of the turning space that should be 5.0ft is ambiguous in the guidelines.</p>
Turning Space/Landing Slope	<p>The running slope of turning spaces shall be 2 percent maximum (PROWAG R402.2 & PROWAG R304.3.2).</p> <p>The cross slopes of turning spaces shall be 2 percent maximum. At pedestrian street crossings without yield or stop control and at midblock pedestrian street crossings, the cross slope shall be permitted to equal the street or highway grade. (PROWAG R304.5.3).</p>	<p>Landing cross slope and run slope for curb ramps shown as 2.0% maximum (MI Std. Details ST-22A, ST-22C-1, ST-22C-2, and ST-22E-1).</p> <p>Either landing cross slope or run slope for curb ramps shown as 2.0% maximum (MI Std. Details ST-22B, ST-22D-1, ST-22D-2, and ST-22E-2).</p>	<p>Recommend including a desired cross slope of 1.5 percent or flatter to allow for construction tolerances with 2.0 percent as the maximum cross slope.</p> <p>Add missing cross/running slope label to landing of curb ramp (MI Std. Details ST-22B, ST-22D-1, ST-22D-2, and ST-22E-2).</p> <p>Consider adding allowance for cross slope of turning spaces to match roadway grade for street crossings without yield or stop control and at midblock crossings.</p>

Curb Ramps

Design Element	Requirement	Review	Recommendations
Clear Space	<p>Beyond the bottom grade break, a clear space 4.0ft. by 4.0ft. minimum shall be provided within the width of the pedestrian crossing and wholly outside the parallel vehicle travel lane (R304.5.5).</p> <p>Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches long minimum located on each side of the curb ramp and within the marked crossing (ADAS 406.6).</p>	<p>Clear space of 48" min. required at base of ramp within roadway (MI Std. Detail ST-21).</p>	<p>Add clarity to note that the 48" clear space should be outside of parallel travel lane (MI Std. Detail ST-21).</p>
Detectable Warning Surfaces	<p>Detectable warning surfaces shall extend 2.0 ft. minimum in the direction of pedestrian travel and the full width of the curb ramp (exclusive of flares), the turning space, or the blended transition. (PROWAG R305.1.4).</p> <p>The truncated domes in a detectable warning surface shall have a base diameter of 0.9 in. minimum and 1.4 in. maximum, a top diameter of 50 percent of the base diameter minimum and 65 percent of the base diameter maximum, and a height of 0.2 in. (PROWAG R305.1.1 & ADAS 705.1.1).</p> <p>The truncated domes shall have a center-to-center spacing of 1.6 in. minimum and 2.4 in. maximum, and a base-to-base spacing of 0.65 in. minimum, measured between the most adjacent domes (PROWAG R305.1.2 & ADAS 705.1.2)</p> <p>Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surfaces, either light-on-dark or dark-on-light (PROWAG R305.1.3).</p> <p>Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light (ADAS 705.1.3).</p>	<p>Ramp texturing shown as a diamond grid pattern (MI Std. Detail ST-22).</p> <p>Truncated domes in the detectable warning surface dimensions shown as 0.45 in. min. and 0.90 in. max. top diameter, 0.90 in. min. and 1.40 in. max. bottom diameter, and 0.2 in. height.</p> <p>Center-to-center spacing between truncated domes shown as 1.60 in. to 2.40in. Distance from base-to-base of truncated domes shown as 0.65 in.</p> <p>Color of surface is per standard specifications. (MI Std. Detail ST-22F)</p>	<p>Remove MI Std. Detail ST-22.</p>

Curb Ramps

Design Element	Requirement	Review	Recommendations
Detectable Warning Surface Placement	<p>On perpendicular curb ramps, detectable warning surfaces shall be placed as follows:</p> <ul style="list-style-type: none"> • Where the ends of the bottom grade break are in front of the back of curb, detectable warning surfaces shall be placed at the back of curb. • Where the ends of the bottom grade break are behind the back of curb and the distance from either end of the bottom grade brake to the back of curb is 5.0 ft. or less, detectable warning surfaces shall be placed on the ramp run within one dome spacing of the bottom grade break. • Where the ends of the bottom grade break are behind the back of curb and the distance from either end of the bottom grade brake to the back of curb is more than 5.0 ft, detectable warning surfaces shall be placed on the lower landing at the back of curb. (PROWAG R305.2.1). <p>On parallel curb ramps, detectable warning surfaces shall be placed on the turning space at the flush transition between the street and sidewalk at the back of curb. (PROWAG R305.2.2).</p> <p>On blended transitions, detectable warning surfaces shall be placed at the back of curb. Where raised pedestrian street crossings, depressed corners, or other level pedestrian street crossings are provided, detectable warning surfaces shall be placed at the flush transition between the street and the sidewalk (PROWAG R305.2.3).</p>	<p>Following note included, "Detectable warning surface shall be placed at the back of curb, and need not follow the radius" (MI Std. Detail ST-22F).</p> <p>Following note included, "When the grade break between the curb ramp and the landing is less than or equal to 5 ft. from the back of curb at all points, place the detectable warning surface on the bottom of the curb ramp" (MI Std. Detail ST-22F).</p>	<p>Revise note 8 per markups in Attachment A.</p>
Receiving Ramp	<p>A crosswalk served by a curb ramp must also have an existing curb ramp in place on the receiving end unless there is no curb or sidewalk on that end of the crosswalk Revised Code of Washington (RCW) 35.68.075.</p>	<p>When ramps are constructed on one side of the street, ramps shall be constructed at corresponding location on opposite side of street (MI Std. Detail ST-21).</p>	<p>Revise note to include a receiving ramp on opposite side of street except where there is no curb or sidewalk (MI Std. Detail ST-21).</p>

Signals

Signals are important connections in the pedestrian network that provide crossings at intersections for all roadway users. Where pedestrian signals are provided at pedestrian street crossings, they shall include accessible pedestrian signals and pedestrian pushbuttons complying with sections 4E.08 through 4E.13 of the MUTCD (PROWAG R209.1).

Design Element	Requirement	Review	Recommendations
Accessible Pedestrian Signals and Pedestrian Pushbuttons	<p>Where pedestrian signals are provided at pedestrian street crossings, they shall include accessible pedestrian signals and pedestrian pushbuttons complying with sections 4E.08 through 4E.13 of the MUTCD. An accessible pedestrian signal and pedestrian pushbutton is an integrated device that communicates information about the WALK and DON'T WALK intervals at signalized intersections in non-visual formats (i.e., audible tones and vibrotactile surfaces) to pedestrians who are blind or have low vision. (PROWAG R209.1).</p> <p>Existing pedestrian signals shall comply with R209.1 when the signal controller and software are altered, or the signal head is replaced (PROWAG R209.2).</p>	<p>Pedestrian push button to be mounted at 3'-6" from sidewalk to bottom of button assembly (MI Std. Detail TR-9).</p>	<p>Refer to WSDOT Design Manual Chapters 1330 and 1510, and MUTCD for APS standards (MI Std. Detail TR-9).</p>
Accessible Pedestrian Pushbuttons Clear Space	<p>Clear spaces shall be 2.5 ft. minimum by 4.0 ft. minimum with additional space needed if it is confined on all or part of three sides (PROWAG R404.3).</p> <p>One full unobstructed side of a clear space shall adjoin a pedestrian access route or adjoin another clear space (PROWAG R404.6).</p>	<p>Not mentioned.</p>	<p>Refer to WSDOT Design Manual Chapters 1330 and 1510, and MUTCD for APS standards (MI Std. Detail TR-9).</p>
Accessible Pedestrian Pushbutton Reach Ranges	<p>Where a forward reach is unobstructed, the high forward reach shall be 4.0 ft. maximum and the low forward reach shall be 1.25 ft. minimum above the finish surface. Forward reach over an obstruction is not permitted (PROWAG R406.2).</p> <p>Where a clear space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 4.0 ft. maximum and the low side reach shall be 1.25 ft. minimum above the finish surface. An obstruction shall be permitted between the clear space and the element where the depth of the obstruction is 10 in. maximum (PROWAG R406.3).</p>	<p>Not mentioned.</p>	<p>Refer to WSDOT Design Manual Chapters 1330 and 1510, and MUTCD for APS standards (MI Std. Detail TR-9).</p>

Signals

Design Element	Requirement	Review	Recommendations
Pedestrian Crossing Times	All pedestrian signal phase timing shall comply with section 4E.06 of the MUTCD, shall be based on a pedestrian clearance time that is calculated using a pedestrian walking speed of 3.5 ft./s. or less (PROWAG R306.2).	Not mentioned.	Refer to WSDOT Design Manual Chapters 1330 and 1510, and MUTCD for APS standards (MI Std. Detail TR-9).
At Roundabouts	At roundabouts with multi-lane pedestrian street crossings, a pedestrian activated signal shall be provided for each multi-lane segment of each pedestrian street crossing, including the splitter island (PROWAG R306.3.2).	Not mentioned.	Refer to WSDOT Design Manual Chapters 1330 and 1510, and MUTCD for APS standards (MI Std. Detail TR-9).
At multi-lane channelized turn lanes	At signalized intersections and roundabouts with multi-lane channelized turn lane crossings, pedestrian activated signals shall be provided (PROWAG R306.4 & PROWAG R306.5).	Not mentioned.	Refer to WSDOT Design Manual Chapters 1330 and 1510, and MUTCD for APS standards (MI Std. Detail TR-9).

Other Pedestrian Areas

Other pedestrian areas include transit stops and work zones. Transit provides a critical lifeline of access and independence for those with limited mobility or vision. Transit stops have additional width requirements for boarding and alighting passengers, and work zones should provide the same level of accessibility as permanent pedestrian facilities.

Design Element	Requirement	Review	Recommendations
Transit Stops			
Boarding and Alighting Area Dimensions	Bus stop boarding and alighting areas shall provide a clear length of 8.0 ft. minimum, measured perpendicular to the curb or vehicle street or highway edge, and a clear width of 5.0 ft. minimum, measured parallel to the vehicle street or highway (PROWAG R308.1.1.1 & ADAS 810.2.2).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Boarding and Alighting Area Slopes	Parallel to the street or highway, the grade of the bus stop boarding and alighting areas shall be the same as the street or highway, to the extent practicable. Perpendicular to the street or highway, the grade of the bus stop boarding and alighting areas shall not be steeper than 2 percent (PROWAG R308.1.1.2 & ADAS 810.2.4).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Transit Shelters	<p>Transit shelters shall be connected by PARs to boarding and alighting areas. Transit shelters shall provide a minimum clear space complying with R404 entirely within the shelter. Where seating is provided within transit shelters, the clear space shall be located either at one end of a seat or shall not overlap the area within 1.5 ft. from the front edge of the seat (PROWAG R308.2).</p> <p>Bus shelters shall provide a minimum clear floor or ground space complying with 305 entirely within the shelter. Bus shelters shall be connected by an accessible route complying with 402 to a boarding and alighting area complying with 810.2 (ADAS 810.3).</p>	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'

Other Pedestrian Areas

Parking			
Parking Spaces	<p>Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings (ADAS 502.1).</p> <p>Car parking spaces shall be 96 inches wide minimum and van parking spaces shall be 132 inches wide minimum, shall be marked to define the width, and shall have an adjacent access aisle (ADAS 502.2).</p> <p>Van parking spaces shall be permitted to be 96 inches wide minimum where the access aisle is 96 inches wide minimum (ADAS 502.2 Exception).</p>	<p>Off-street parking shall meet the relevant state design standards for the physically disabled (MIC 19.03.020, 19.04.040, 19.05.020).</p>	<p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>
Parking Access Aisles	<p>Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle (ADAS 502.3).</p> <p>Access aisles serving car and van parking spaces shall be 60 inches wide minimum (ADAS 502.3.1).</p> <p>Access aisles shall extend the full length of the parking spaces they serve (ADAS 502.3.2).</p> <p>Access aisles shall be marked so as to discourage parking in them (ADAS 502.3.3).</p> <p>Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles located on the passenger side of the parking spaces (ADAS 502.3.4).</p>	<p>Off-street parking shall meet the relevant state design standards for the physically disabled (MIC 19.03.020, 19.04.040, 19.05.020).</p>	<p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>
Parking identification.	<p>Parking space identification signs shall include the International Symbol of Accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches minimum above the finish floor or ground surface measured to the bottom of the sign (ADAS 502.6).</p>	<p>Off-street parking shall meet the relevant state design standards for the physically disabled (MIC 19.03.020, 19.04.040, 19.05.020).</p>	<p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>
Parallel Parking Spaces	<p>Where the width of the adjacent sidewalk or available right-of-way exceeds 14.0 ft, an access aisle 5.0 ft. wide minimum shall be provided at street level the full length of the parking space and shall connect to a pedestrian access route. The access aisle shall comply with R302.7 and</p>	<p>Off-street parking shall meet the relevant state design standards for the physically disabled (MIC 19.03.020, 19.04.040, 19.05.020).</p>	<p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>

Other Pedestrian Areas

	<p>shall not encroach on the vehicular travel lane (PROWAG R309.2.1).</p> <p>In alterations where the street or sidewalk adjacent to the parking spaces is not altered, an access aisle shall not be required provided the parking spaces are located at the end of the block face (PROWAG R309.2.1.1).</p> <p>An access aisle is not required where the width of the adjacent sidewalk or the available right-of-way is less than or equal to 14.0 ft. When an access aisle is not provided, the parking spaces shall be located at the end of the block face (PROWAG R309.2.2).</p>		
Perpendicular or Angled Parking Spaces	<p>Where perpendicular or angled parking is provided, an access aisle 8.0 ft. wide minimum shall be provided at street level the full length of the parking space and shall connect to a pedestrian access route. The access aisle shall comply with R302.7 and shall be marked so as to discourage parking in the access aisle. Two parking spaces are permitted to share a common access aisle (PROWAG R309.3).</p>	<p>Off-street parking shall meet the relevant state design standards for the physically disabled (MIC 19.03.020, 19.04.040, 19.05.020).</p>	<p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>

Alternative Pedestrian Access Routes

Alternate Pedestrian Access Route	<p>When a pedestrian circulation path is temporarily closed by construction, alterations, maintenance operations, or other conditions, an alternate pedestrian access route complying with sections 6D.01, 6D.02, and 6G.05 of the MUTCD shall be provided. Where provided, pedestrian barricades and channelizing devices shall comply with sections 6F.63, 6F.68, and 6F.71 of the MUTCD (PROWAG R205).</p>	<p>Not mentioned.</p>	<p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>
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Driveways

Driveways	<p>The cross slope shall be 2 percent maximum (PROWAG R304.5.3).</p> <p>Cross slope of ramp runs shall not be steeper than 1:48. (ADAS 405.3)</p> <p>The running slope shall be 5 percent minimum and 8.3 percent maximum but shall not require the ramp length to exceed 15.0 ft. (PROWAG R304.2.2).</p>	<p>MI Std. Detail ST-19 shows grade breaks that are not perpendicular to the path of travel.</p> <p>MI Std. Detail ST-20 shows no ramping down of sidewalk to driveway grade.</p>	<p>Remove driveway options shown in MI Std. Details ST-19 and ST-20.</p> <p>Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'</p>
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Ramps

Other Pedestrian Areas

Ramp Width	The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 3.0 ft. minimum (PROWAG R407.4 & ADAS 405.5).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Running Slope	Ramp runs shall have a running slope between 5 percent minimum and 8.3 percent maximum (PROWAG R407.2) Ramp runs shall have a running slope not steeper than 1:12. In existing sites, buildings, and facilities, ramps shall be permitted to have running slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations (ADAS 405.2).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Cross Slope	The cross slope of ramp runs shall be 2 percent maximum (PROWAG R407.3). Cross slope of ramp runs shall not be steeper than 1:48. (ADAS 405.3)	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Rise	The rise for any ramp run shall be 2.5 ft. maximum (PROWAG R407.4 & ADAS 405.6).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Landing Size	Ramps shall have landings at the top and the bottom of each ramp run (PROWAG R407.6 & ADAS 405.7). The landing clear width shall be at least as wide as the widest ramp run leading to the landing (PROWAG R407.6.2 & ADAS 405.7.2) The landing clear length shall be 5.0 ft. long minimum (PROWAG R407.6.3 & ADAS 405.7.3) Ramps that change direction between runs at landings shall have a clear landing 5.0 ft. by 5.0 ft. minimum (PROWAG R407.6.4 & ADAS 405.7.4).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Landing Slope	Landing slopes shall be 2 percent maximum in any direction (PROWAG R407.6.1 & ADAS 405.7.1).	Not mentioned.	Add a statement in a location TBD that states 'For the design and construction of pedestrian facilities, in the absence of a City of Mercer Island standard, WSDOT design standards shall be followed.'
Stairways			
Stairway Treads and Risers	All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be	Note states "All steps: same dimensions, within 3/8" max. difference".	Revise max. riser height to 7 inches (MI Standard Detail ST-24).

Other Pedestrian Areas

	<p>4 in. high minimum and 7 in. high maximum. Treads shall be 11 in. deep minimum (PROWAG R408.2 & ADAS 504.2).</p> <p>Open risers are not permitted (PROWAG R408.3 & ADAS 504.3).</p> <p>The radius of curvature at the leading edge of the tread shall be 0.5 in. maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1.5 in. maximum over the tread below (PROWAG R408.5 & ADAS 504.5).</p>	<p>Note states "Risers: 7 ½" max., 5" min."</p> <p>Note states "Treads" 12" max., 11" min. with transverse 0.01 ft./ft. slope"</p> <p>Stair projection shown as 3/4" (MI Standard Detail ST-24).</p> <p>Risers shown as 7 in (MI Standard Detail ST-25).</p>	<p>Add tread minimum depth dimension (MI Std. Detail ST-25).</p>
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Handrails

<p>Handrails</p>	<p>Stairways shall have handrails (PROWAG R408.6).</p> <p>Handrails are required on ramp runs with a rise greater than 6 in. and on certain stairways (PROWAG R407.8 & ADAS 405.8).</p> <p>Edge protection complying shall be provided on each side of ramp runs and landings (PROWAG R407.9 & ADAS 405.9).</p> <p>Where required handrail shall be provided on both sides of ramps and stairways (PROWAG R409.2 & ADAS 505.2).</p> <p>Top of gripping surfaces of handrails shall be 2.8 ft. minimum and 3.2 ft. maximum vertically above walking surfaces, ramp surfaces, and stair nosings. Handrails shall be at a consistent height above walking surfaces, ramp surfaces, and stair nosings (PROWAG R409.4 & ADAS 505.4).</p> <p>Clearance between handrail gripping surfaces and adjacent surfaces shall be 1.5 in. minimum (PROWAG R409.5 & ADAS 505.5).</p> <p>Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1.5 in. minimum below the bottom of the handrail gripping</p>	<p>Note states "A handrail is required on one side only as per U.B.C." (MI Standard Detail ST-24).</p>	<p>Add reference to MI Standard Detail ST-24 to follow WSDOT Design Manual Chapter 1510 for handrail requirements in the public right-of-way.</p>
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Other Pedestrian Areas

	surface (PROWAG R409.6 & ADAS 505.6).		
Handrail Extension on Ramps	Ramp handrails shall extend horizontally above the landing for 1.0 ft. minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run. (PROWAG R409.10.1 & ADAS 505.10.1).	Not mentioned.	Add reference to MI Standard Detail ST-23 to follow WSDOT Design Manual Chapter 1510 for handrail requirements in the public right-of-way.
Handrail Extension on Stairways	At the top of a stair flight, handrails shall extend horizontally above the landing for 1.0 ft. minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight (PROWAG R409.10.2 & ADAS 505.10.2). At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. (PROWAG R409.10.3 & ADAS 505.10.3).	Bottom extension shown as horizontal and 1'-6". No top extension dimension shown (MI Std. Detail ST-24). Top extension shown horizontally for 1' – 9". No Bottom extension dimension shown (MI Std. Detail ST-25).	Add reference to MI Standard Details ST-24 and ST-25 to follow WSDOT Design Manual Chapter 1510 for handrail requirements in the public right-of-way. Show bottom extension parallel with slope of stairs for one tread length (MI Std. Detail ST-24). Add bottom extension dimension (MI Std. Detail ST-25).
Handrail Cross Section	Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1.25 in. minimum and 2 in. maximum (PROWAG R409.7.1 & ADAS 505.7). Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 in. minimum and 6.25 in. maximum, and a cross-section dimension of 2.25 in. maximum (PROWAG R409.7.2 & ADAS 505.7).	Handrail to be 1.5" (MI Std. Detail ST-25).	Add reference to MI Standard Details ST-24 and ST-25 to follow WSDOT Design Manual Chapter 1510 for handrail requirements in the public right-of-way.

Railways

Railroad Flangeway Gaps	Flangeway gaps at pedestrian at-grade rail crossings shall be 2.5 in. maximum on non-freight rail track and 3 in. maximum on freight rail track (PROWAG R302.7.4). Where a circulation path serving boarding platforms crosses tracks, it shall comply with 402. Openings for wheel flanges shall be permitted to be 2 1/2 inches maximum (ADAS 810.10).	Not mentioned.	No recommendation as there are no railroad crossings with pedestrian facilities in City of Mercer Island.
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Other Pedestrian Areas

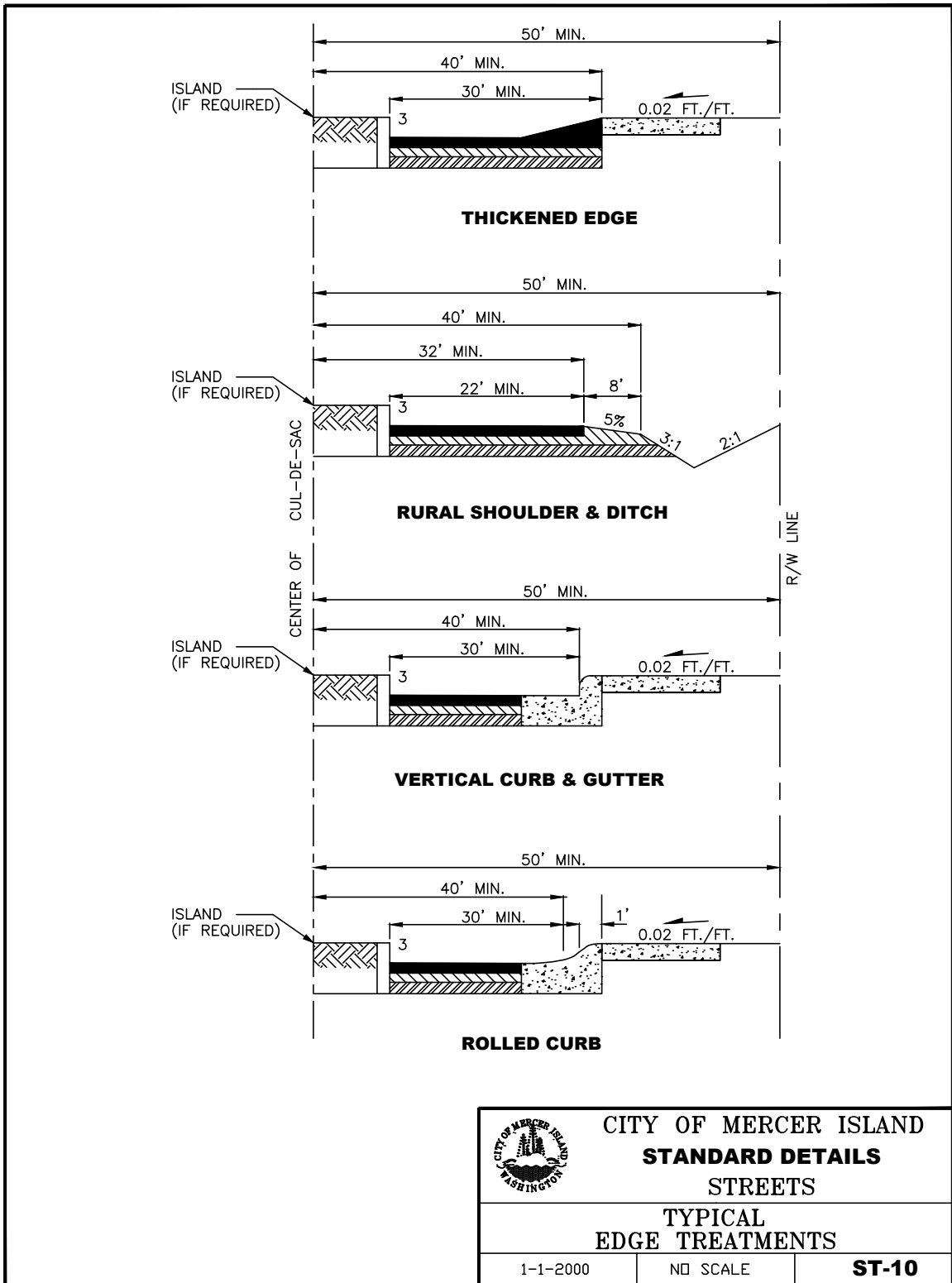
Detectable Warning Surfaces at Rail Crossings	At pedestrian at-grade rail crossings not located within a street or highway, detectable warning surfaces shall be placed on each side of the rail crossing. The edge of the detectable warning surface nearest the rail crossing shall be 6.0 ft. minimum and 15.0 ft. maximum from the centerline of the nearest rail. Where pedestrian gates are provided, detectable warning surfaces shall be placed on the side of the gates opposite the rail. (PROWAG R305.2.5).	Not mentioned.	No recommendation as there are no railroad crossings with pedestrian facilities in City of Mercer Island.
Detectable Warning Surfaces at Rail Boarding Areas	At boarding platforms for rail vehicles, detectable warning surfaces shall be placed at the boarding edge of the platform (PROWAG R305.2.6). At boarding and alighting areas at sidewalk or street level transit stops for rail vehicles, detectable warning surfaces shall be placed at the side of the boarding and alighting area facing the rail vehicles (PROWAG R305.2.7).	Not mentioned.	No recommendation as there are no railroad crossings with pedestrian facilities in City of Mercer Island.

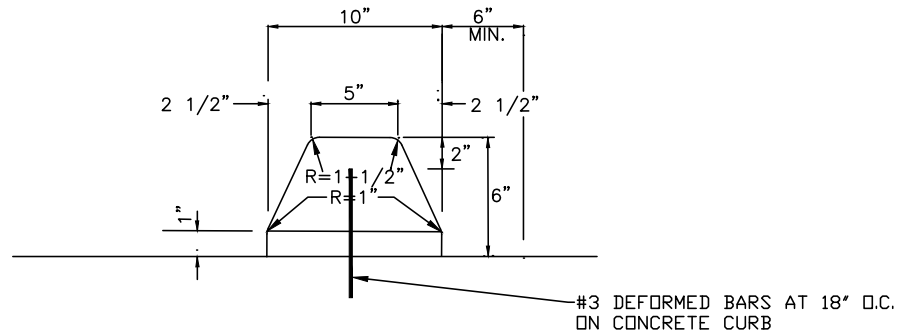
Facilities & Parks

The design of facilities and parks are governed by a variety of state, national, and international building codes. Since the majority of these codes are developed on a national or international level, it was assumed that these codes comply with relevant ADA standards.

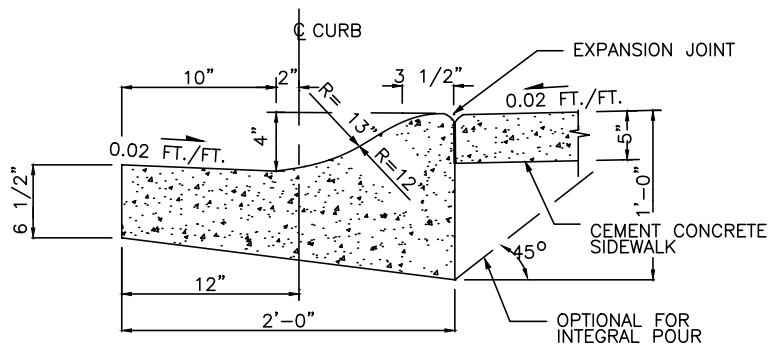
Attachments:

Attachment A: City of Mercer Island Standard Detail Markups

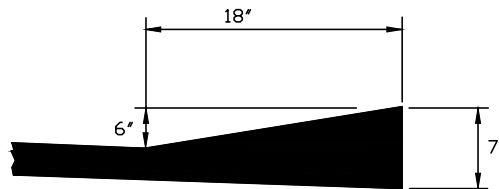




EXTRUDED ASPHALT OR CEMENT CONCRETE CURB




CEMENT CONCRETE ROLLED CURB

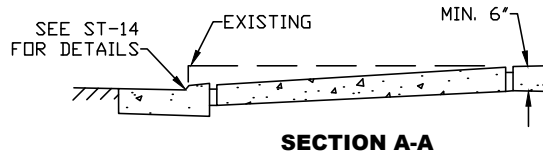
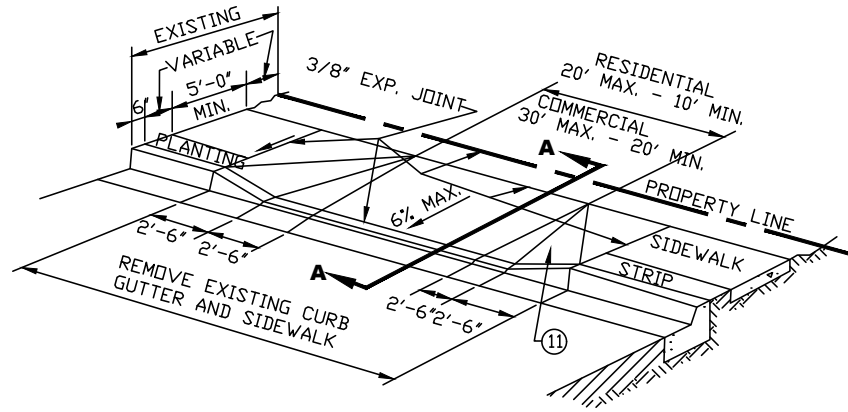


ASPHALT THICKENED EDGE

NOTES:

1. SEE DETAIL ST-14 FOR JOINT REQUIREMENTS.
2. ROLL GUTTER TO MATCH POSITIVE SUPERELEVATION.
3. SEE DRAWING NO. T-15A FOR CONFIGURATION OF FILL & WALKWAY BEHIND CURB IF REQUIRED.
4. FOR INTEGRAL POUR CONSTRUCTION, 1/4" EDGED GROOVE MAY REPLACE EXPANSION JOINT AT INTERFACE BETWEEN THE CURB AND ADJACENT SIDEWALK.


	CITY OF MERCER ISLAND STANDARD DETAILS STREETS	
	CURB DETAILS	
11/23/99	NO SCALE	ST-16

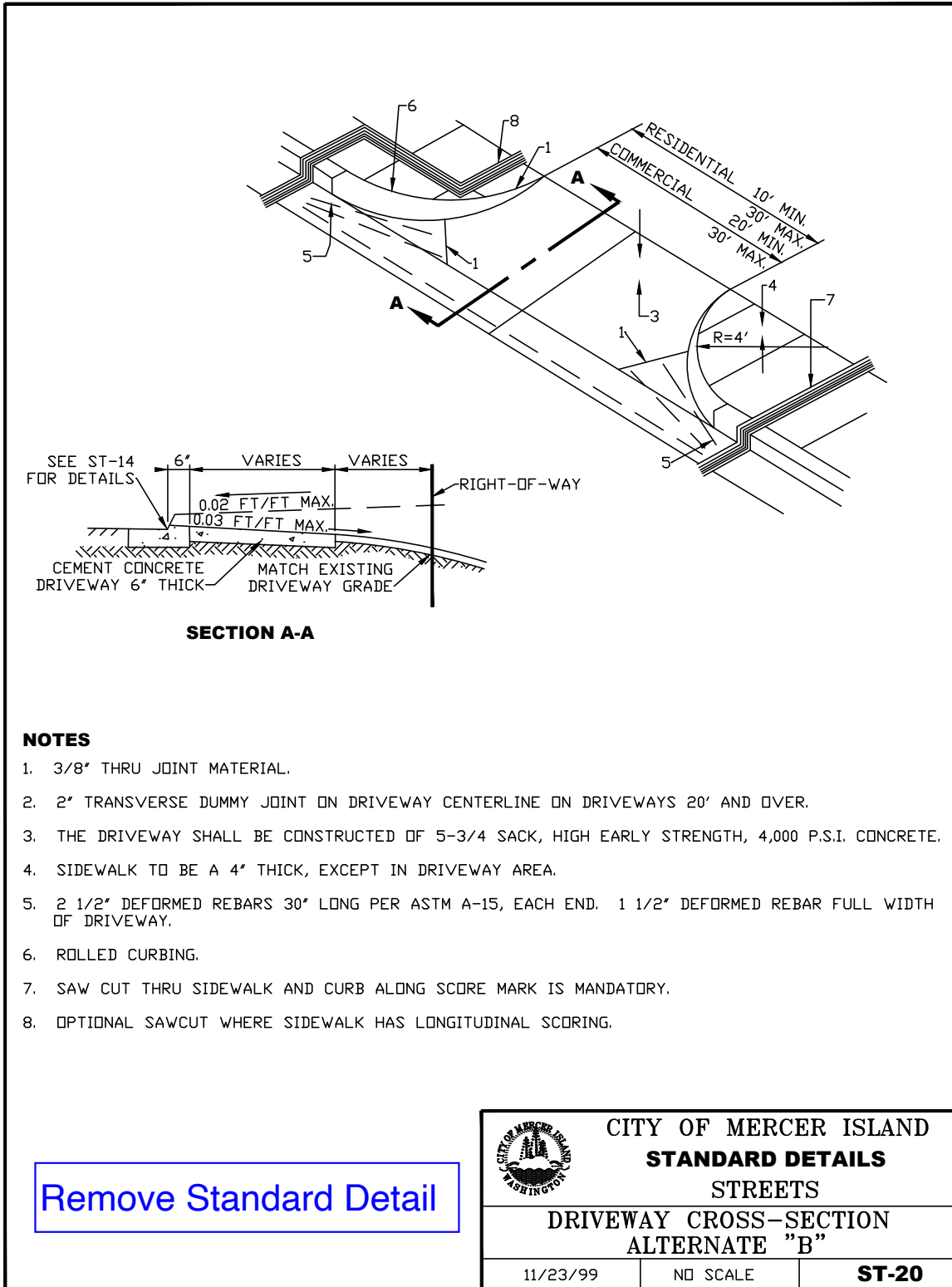


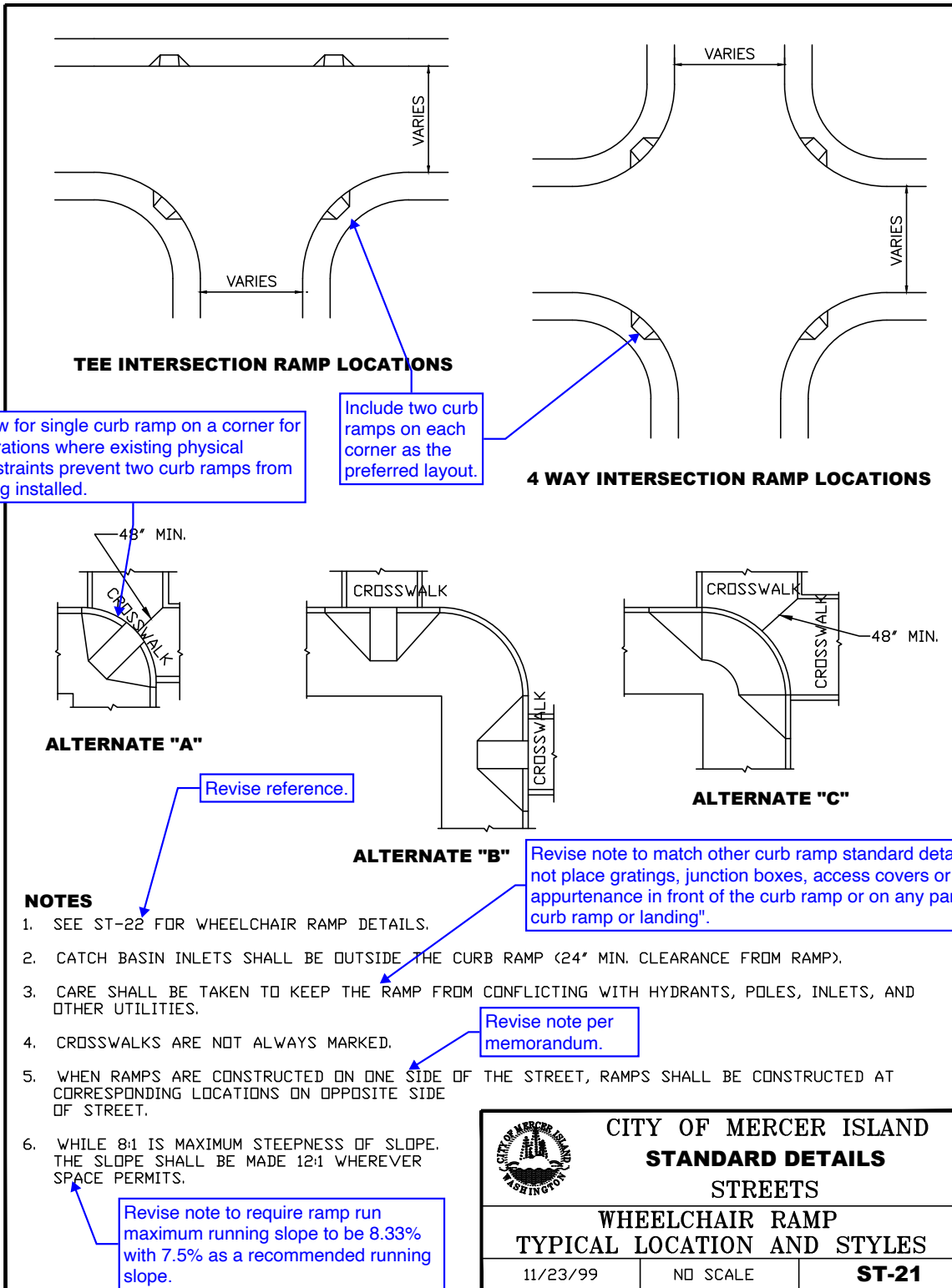
NOTES


1. DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 5.03.3(18) OF THE STANDARD SPECIFICATIONS AND THIS STANDARD DETAIL.
2. WHERE DRIVEWAY EXCEEDS 16' IN WIDTH, A CONTROL JOINT SHALL BE PLACED LONGITUDINALLY AT THE CENTER OF THE DRIVEWAY. CLEAN AND EDGE ALL JOINTS. TRANSVERSE DRIVEWAY JOINTS SHALL BE AS SHOWN OR AS DIRECTED BY THE CITY ENGINEER.
3. SIDEWALK AND DRIVEWAY SHALL BE A MINIMUM OF 6" THICK.
4. THE CONCRETE PAVEMENT SHALL BE TRANSVERSELY BRUSH FINISHED WITH A FIBER OR WIRE BRUSH OF A TYPE APPROVED BY THE CITY ENGINEER.
5. THE RECOMMENDED DRIVEWAY GRADE IS 6%. THE MAXIMUM ALGEBRAIC CHANGE IN GRADE FOR VERTICAL CREST AND SAG CURVES, SHALL BE 10%, WITH A 10' VERTICAL CURVE.
6. REMOVE THE EXISTING SIDEWALK AND EXISTING CURB AND GUTTER AT AN EXISTING EXPANSION JOINT.
7. THE SUBBASE SHALL BE A MINIMUM 4" OF 5/8"(-) GRAVEL BASE DESIGNED TO ACCOMMODATE H-20 LOADING.
8. THE DRIVEWAY SHALL BE CONSTRUCTED OF 5-3/4 SACK, HIGH EARLY STRENGTH, 4,000 P.S.I. CONCRETE.
9. MAXIMUM SLOPE 6:1 TO MATCH STATE STANDARDS FOR WHEELCHAIRS.
10. A REVERSE DRIVEWAY IS SUBJECT TO APPROVAL BY THE CITY ENGINEER.
11. COMMERCIAL/INDUSTRIAL DRIVEWAYS WIDER THAN 30' MAY BE APPROVED CONSIDERING TRAFFIC SAFETY AND NEEDS OF THE ACTIVITY SERVED. ALL COMMERCIAL/INDUSTRIAL DRIVEWAYS SHALL HAVE AN EXPANSION JOINT LOCATED MID-WIDTH.
12. A STORM DRAIN INLET SHALL BE LOCATED WITHIN 20' BUT NO CLOSER THAN 10' UPGRADE FROM THE NEAREST EDGE OF CURB TAPER.

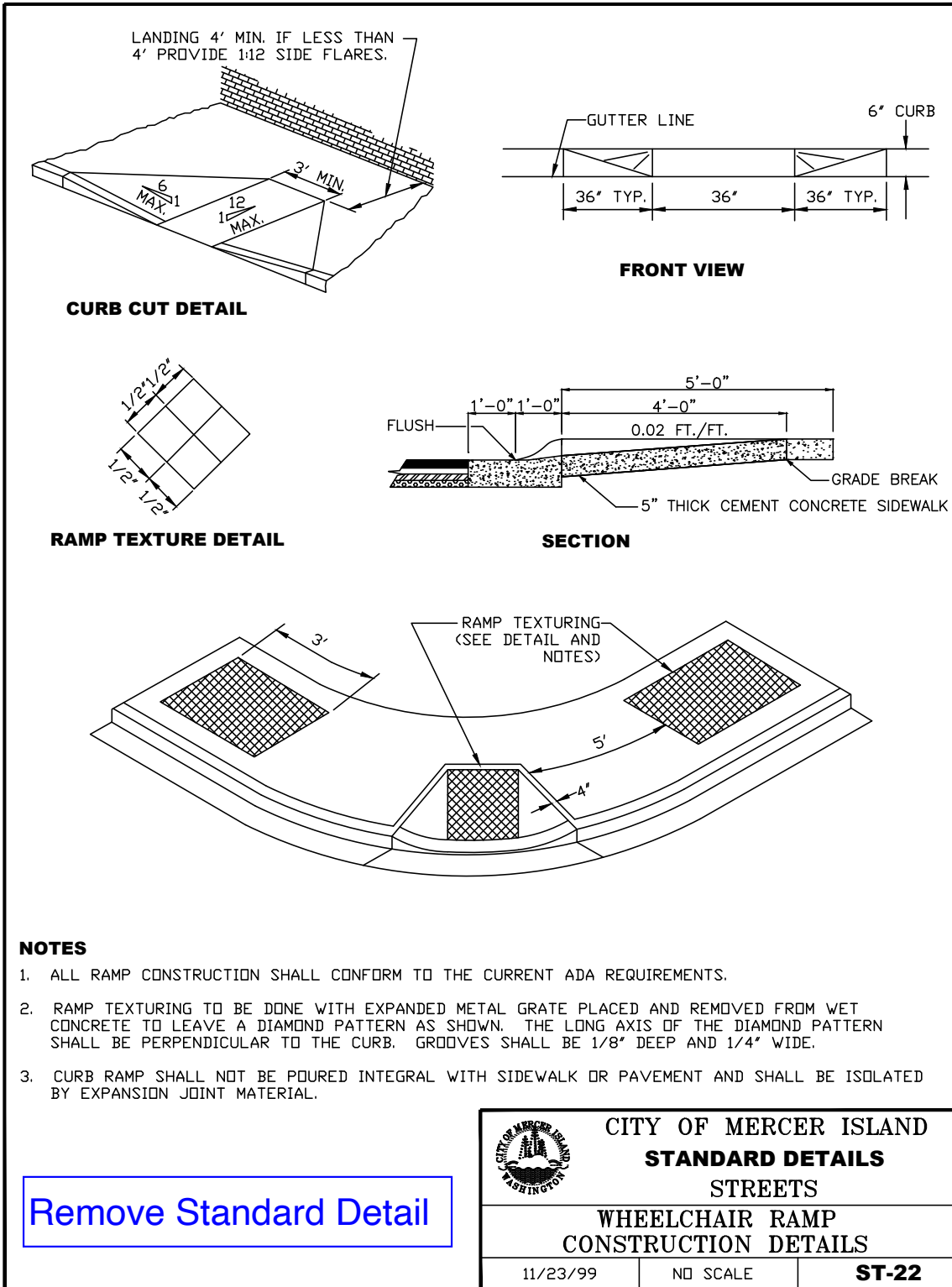
Remove Standard Detail

	CITY OF MERCER ISLAND STANDARD DETAILS STREETS	
	DRIVEWAY CROSS-SECTION ALTERNATE "A"	
11/23/99	NO SCALE	ST-19

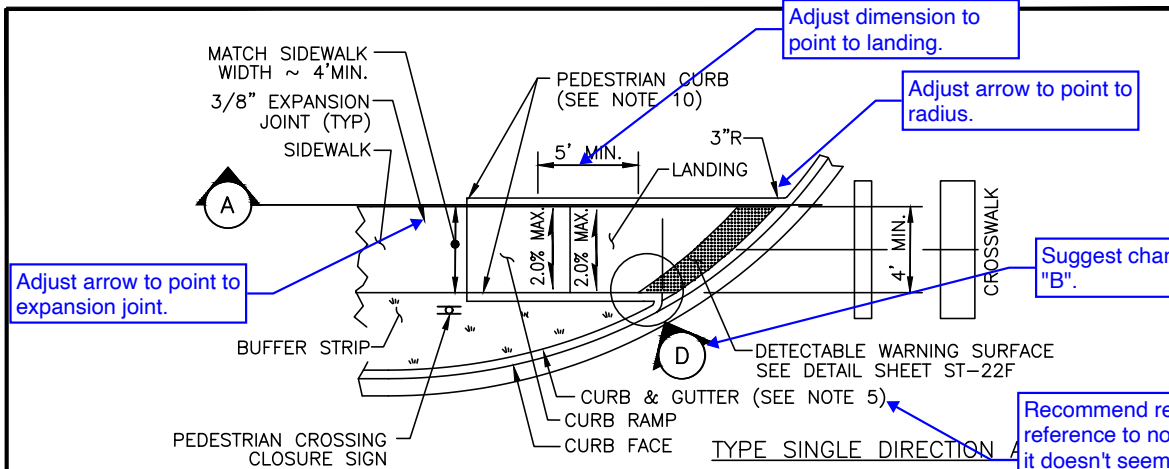




 CITY OF MERCER ISLAND STANDARD DETAILS STREETS		
WHEELCHAIR RAMP TYPICAL LOCATION AND STYLES		
11/23/99	NO SCALE	ST-21

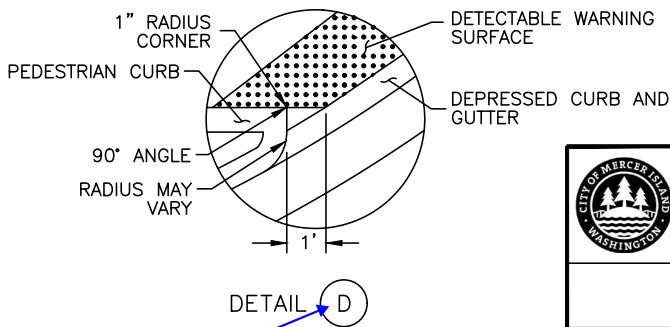
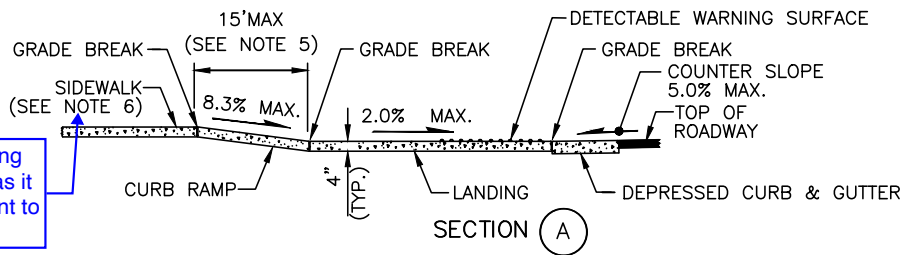



Remove Standard Detail

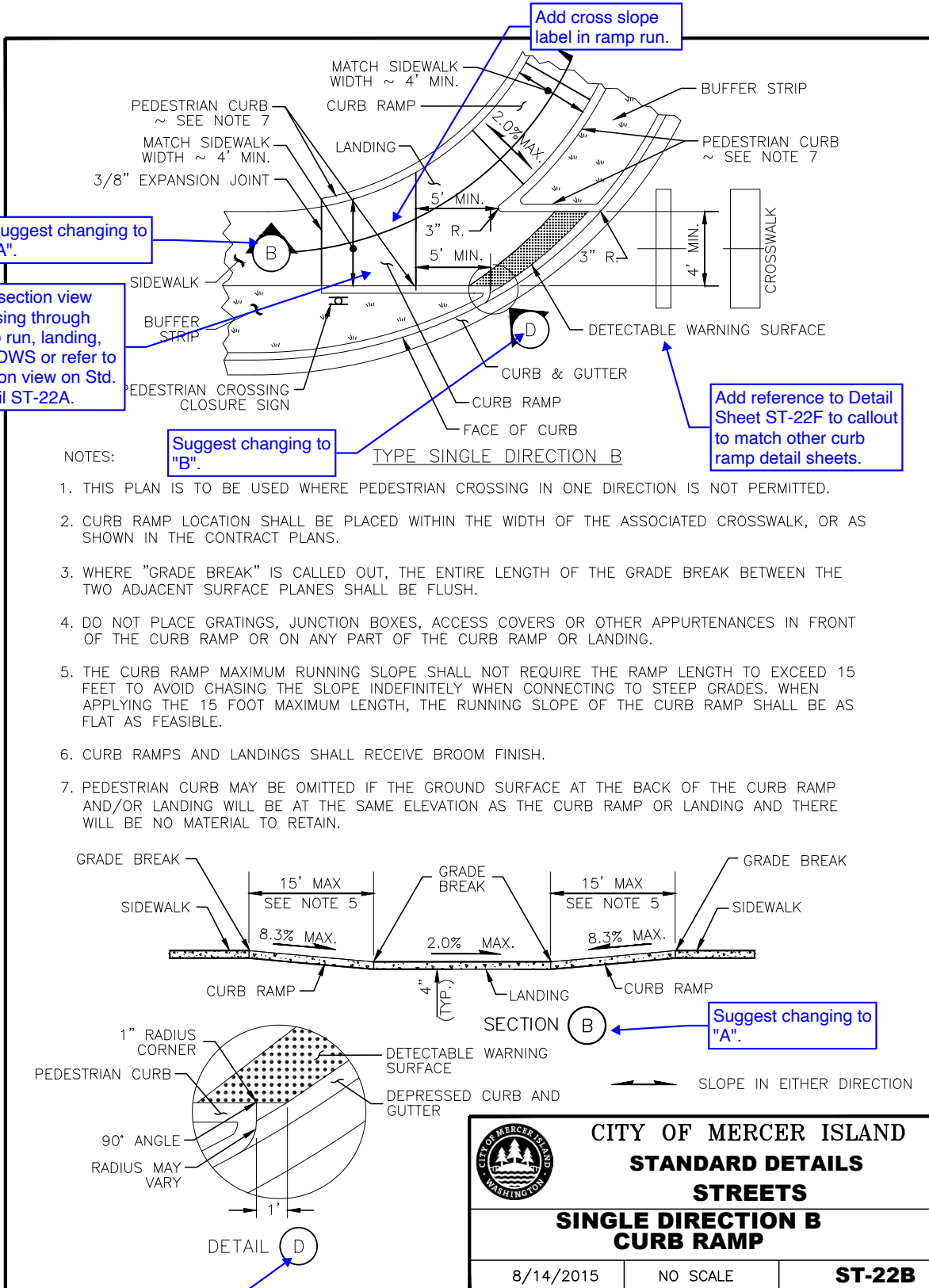


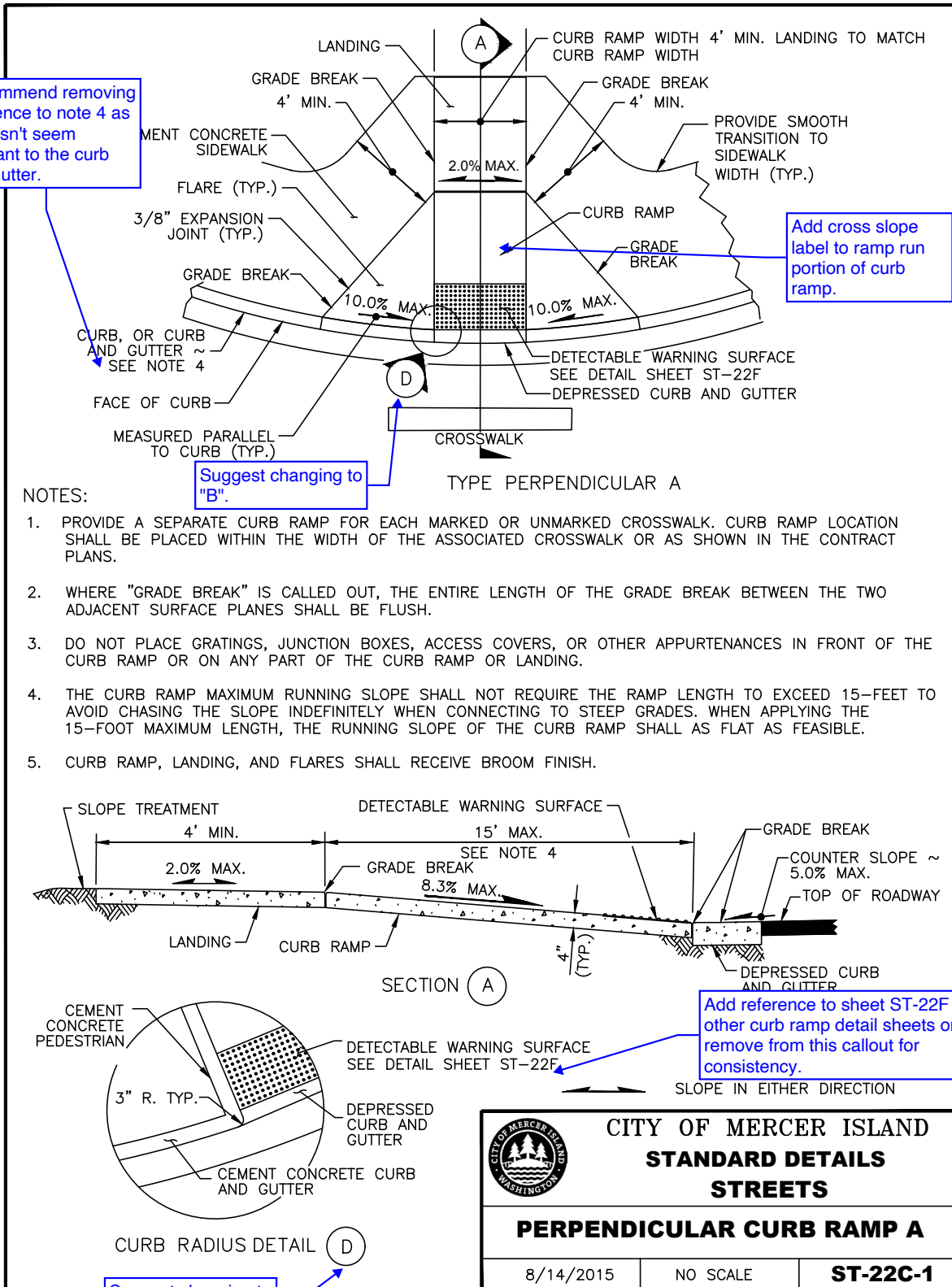
NOTES

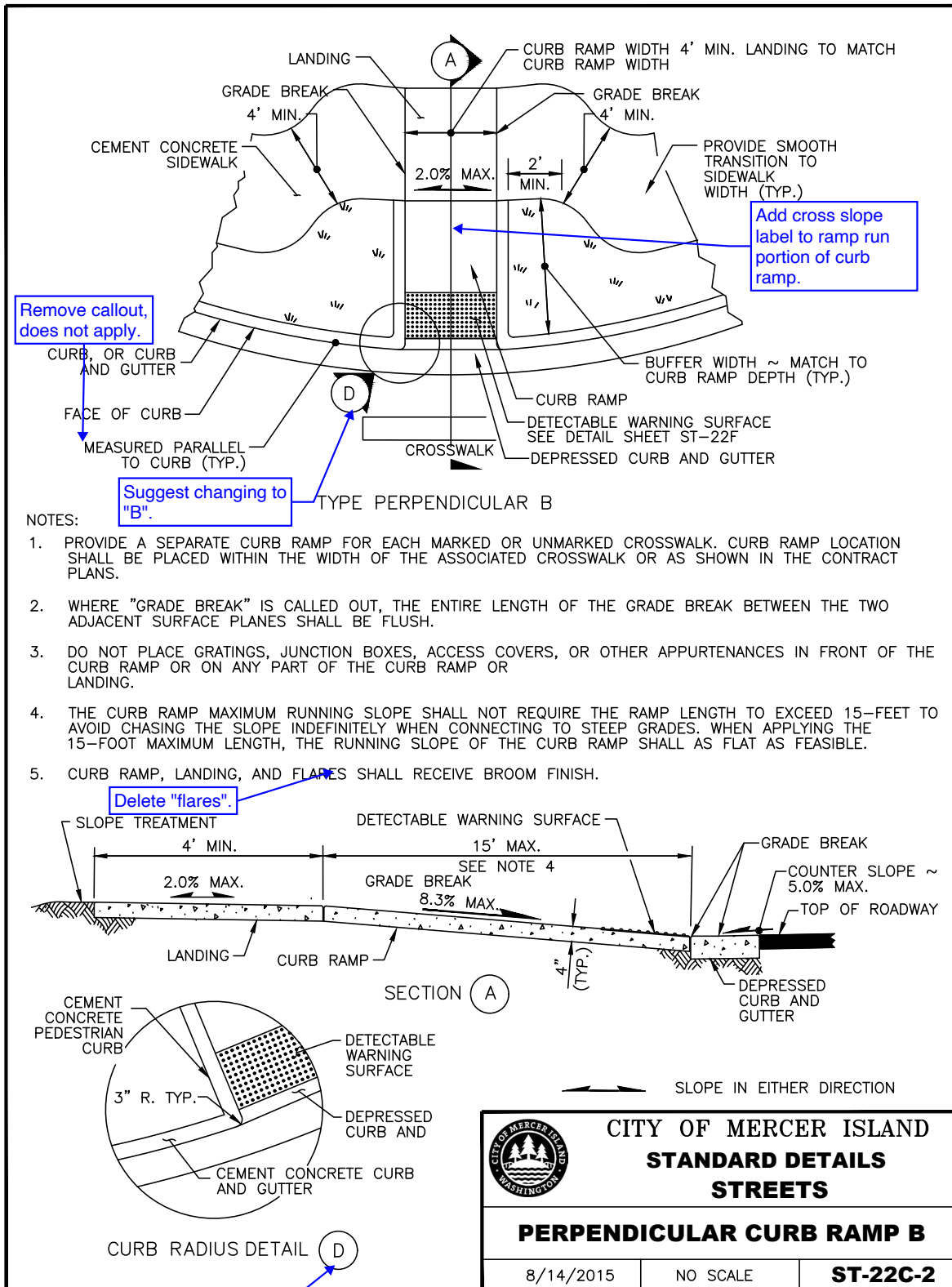
1. THIS PLAN IS TO BE USED WHERE PEDESTRIAN CROSSING IN ONE DIRECTION IS NOT PERMITTED.
2. CURB RAMP LOCATION SHALL BE PLACED WITHIN THE WIDTH OF THE ASSOCIATED CROSSWALK, OR AS SHOWN IN THE CONTRACT PLANS.
3. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.
4. DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
5. THE CURB RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS FEASIBLE.
6. CURB RAMPS AND LANDINGS SHALL RECEIVE BROOM FINISH.
7. PEDESTRIAN CURB MAY BE OMITTED IF THE GROUND SURFACE AT THE BACK OF THE CURB RAMP AND/OR LANDING WILL BE AT THE SAME ELEVATION AS THE CURB RAMP OR LANDING AND THERE WILL BE NO MATERIAL TO RETAIN.




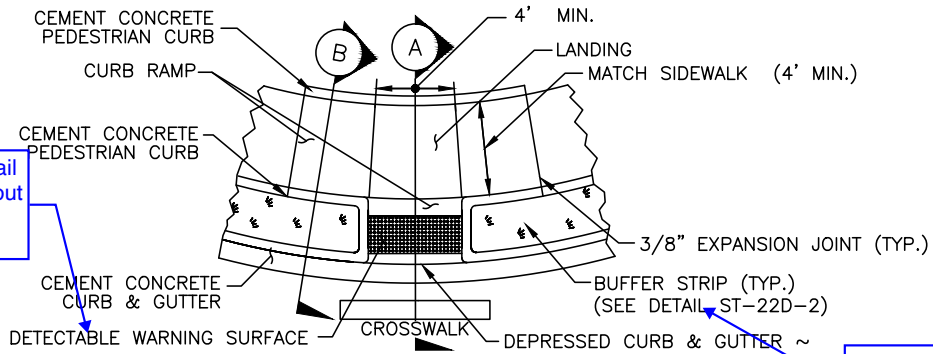
	CITY OF MERCER ISLAND	
	STANDARD DETAILS	
	STREETS	
SINGLE DIRECTION A		
CURB RAMP		
8/14/2015	NO SCALE	ST-22A







 <p>CITY OF MERCER ISLAND STANDARD DETAILS STREETS</p>		
PERPENDICULAR CURB RAMP B		
8/14/2015	NO SCALE	ST-22C-2



Add reference to Detail Sheet ST-22F to callout to match other curb ramp detail sheets.

Add name of letter of detail being referenced.

TYPE COMBINATION

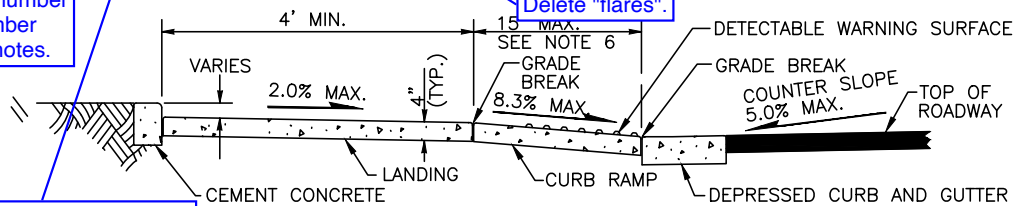
NOTES:

1. PROVIDE A SEPARATE CURB RAMP FOR EACH MARKED OR UNMARKED CROSSWALK. CURB RAMP LOCATION SHALL BE PLACED WITHIN THE WIDTH OF THE ASSOCIATED CROSSWALK OR AS SHOWN IN THE CONTRACT PLANS.
2. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.
3. DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
4. ~~CURB AND GUTTER, DEPRESSED CURB, GUTTER AND PEDESTRIAN CURB DETAILS.~~
5. ~~CURB AND GUTTER, DEPRESSED CURB AND GUTTER, PEDESTRIAN CURB, OR SIDEWALKS.~~
6. THE CURB RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15-FOOT MAX. LENGTH, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS FEASIBLE. CURB RAMP, LANDING AND FLARES SHALL RECEIVE BROOM FINISH.
7. PEDESTRIAN CURB MAY BE OMITTED IF THE GROUND SURFACE AT THE BACK OF THE CURB RAMP AND/OR LANDING WILL BE AT THE SAME ELEVATION AS THE CURB RAMP OR LANDING AND THERE NOT BE MATERIAL TO RETAIN.

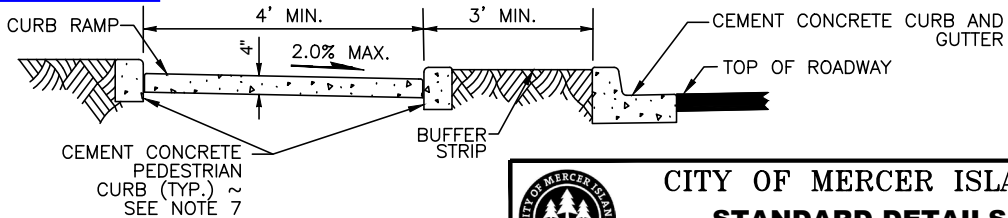
Add note number and renumber following notes.


Delete "flares".

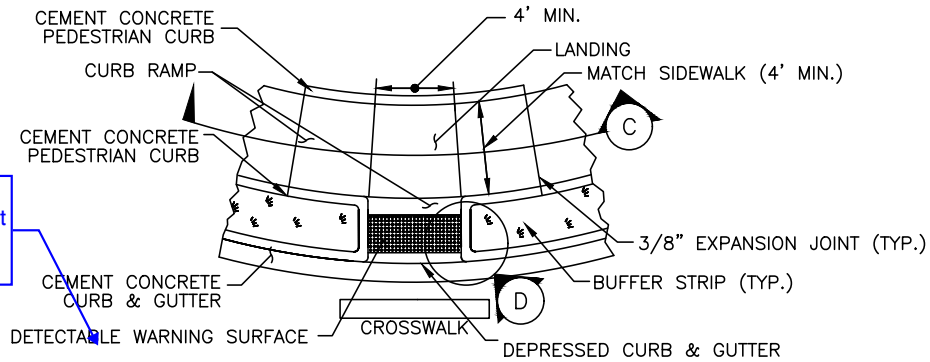
Delete notes and renumber following notes.



Add note to refer to Detail ST-22D-2 for further details on combination curb ramps.



 CITY OF MERCER ISLAND STANDARD DETAILS STREETS		
COMBINATION CURB RAMP A		
8/14/2015	NO SCALE	ST-22D-1



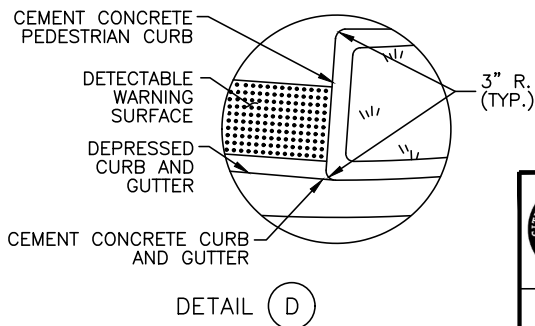
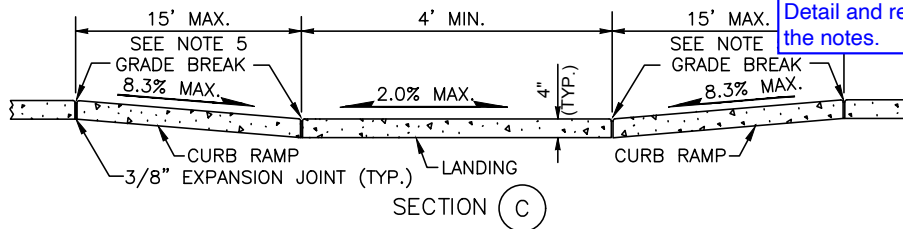
Add reference to Detail Sheet ST-22F to callout to match other curb ramp detail sheets.

TYPE COMBINATION


NOTES:

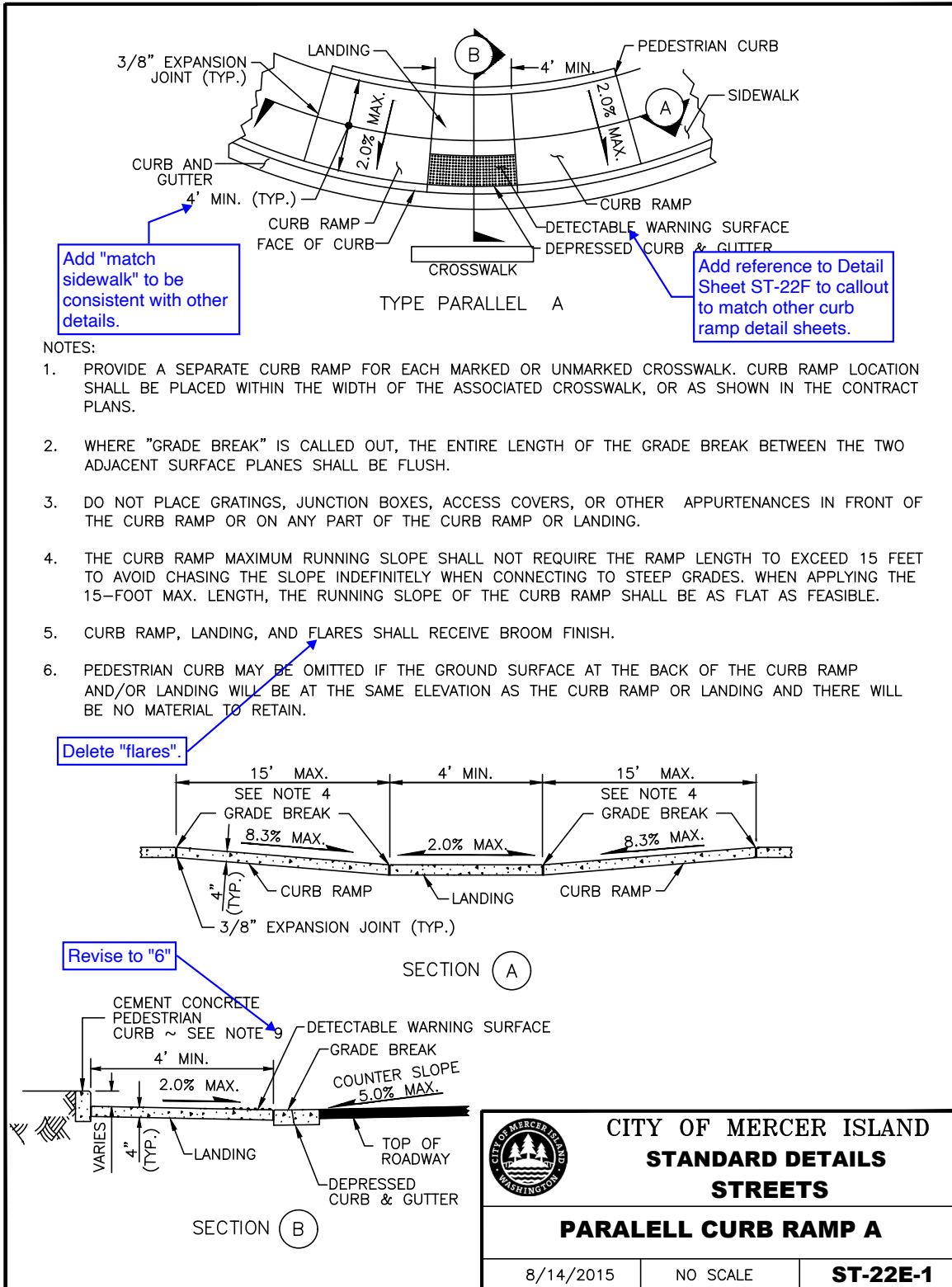
1. PROVIDE A SEPARATE CURB RAMP FOR EACH MARKED OR UNMARKED CROSSWALK. CURB RAMP LOCATION SHALL BE PLACED WITHIN THE WIDTH OF THE ASSOCIATED CROSSWALK OR AS SHOWN IN THE CONTRACT PLANS.
2. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.
3. DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
4. CURB AND GUTTER, DEPRESSED CURB AND GUTTER, PEDESTRIAN CURB, OR SIDEWALKS.
5. THE CURB RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15-FOOT MAX. LENGTH, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS FEASIBLE. CURB RAMP, LANDING AND FLARES SHALL RECEIVE BROOM FINISH.
6. PEDESTRIAN CURB MAY BE OMITTED IF THE GROUND SURFACE AT THE BACK OF THE CURB RAMP AND/OR LANDING WILL BE AT THE SAME ELEVATION AS THE CURB RAMP OR LANDING AND THERE WILL NOT BE MATERIAL TO RETAIN.

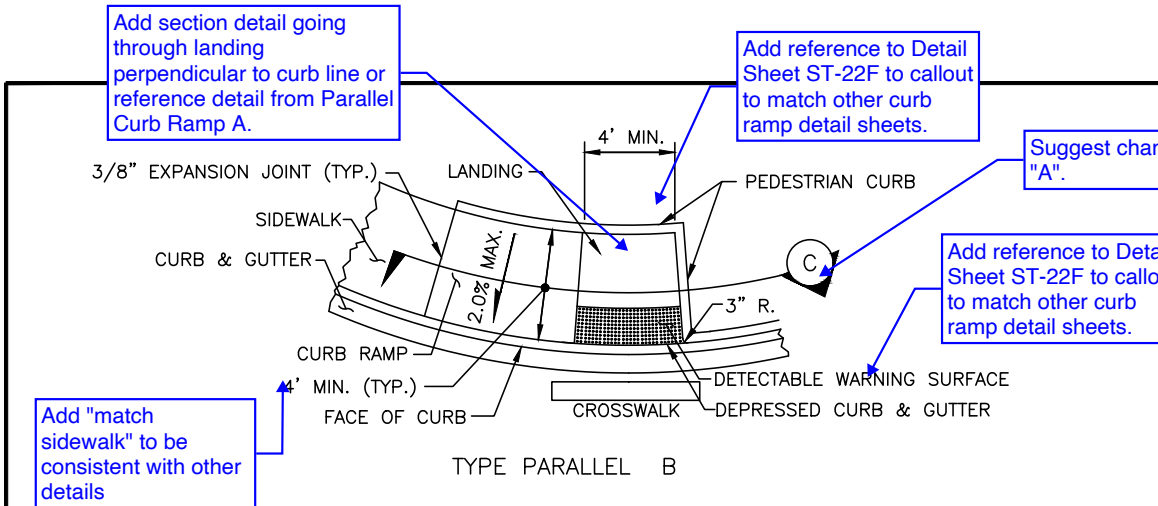
Suggest removing the notes from this sheet since they are covered in Combination Curb Ramp A Detail and refer to that detail for the notes.



← SLOPE IN EITHER DIRECTION →

	CITY OF MERCER ISLAND STANDARD DETAILS STREETS	
	COMBINATION CURB RAMP B	
8/14/2015	NO SCALE	ST-22D-2

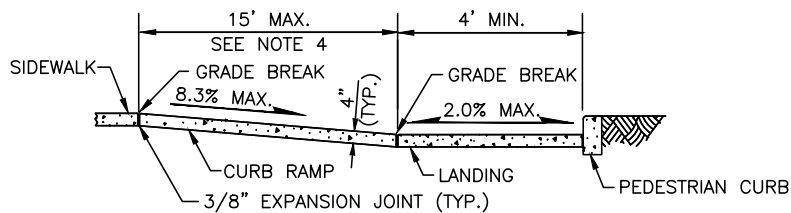




NOTE:

1. PROVIDE A SEPARATE CURB RAMP FOR EACH MARKED OR UNMARKED CROSSWALK. CURB RAMP LOCATION SHALL BE PLACED WITHIN THE WIDTH OF THE ASSOCIATED CROSSWALK, OR AS SHOWN IN THE CONTRACT PLANS.
2. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.
3. DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
4. THE CURB RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15-FOOT MAX. LENGTH, THE RUNNING SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS FEASIBLE.
5. CURB RAMP, LANDING, AND FLARES SHALL RECEIVE BROOM FINISH.
6. PEDESTRIAN CURB MAY BE OMITTED IF THE GROUND SURFACE AT THE BACK OF THE CURB RAMP AND/OR LANDING WILL BE AT THE SAME ELEVATION AS THE CURB RAMP OR LANDING AND THERE WILL BE NO MATERIAL TO RETAIN.


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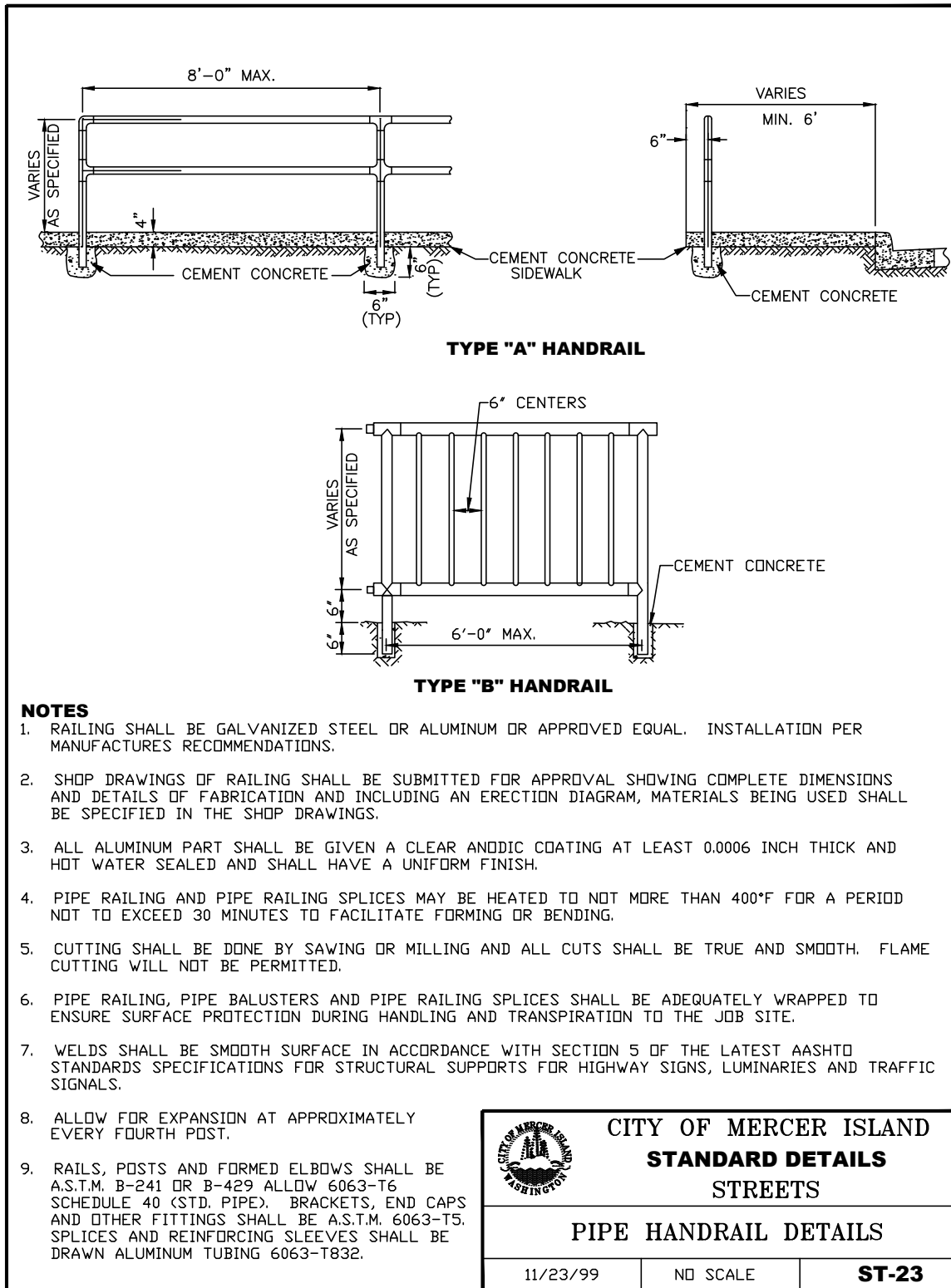


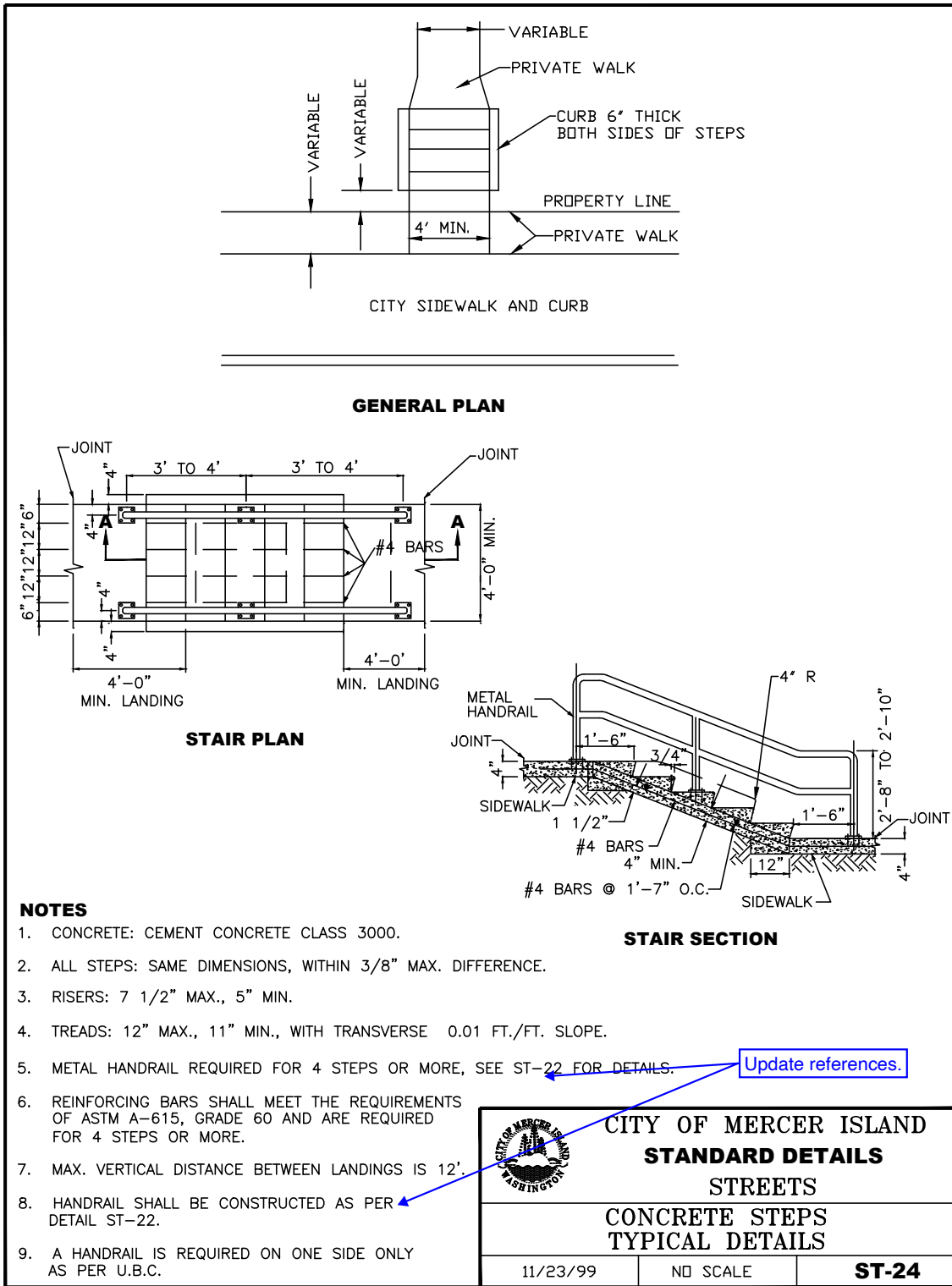
SECTION C

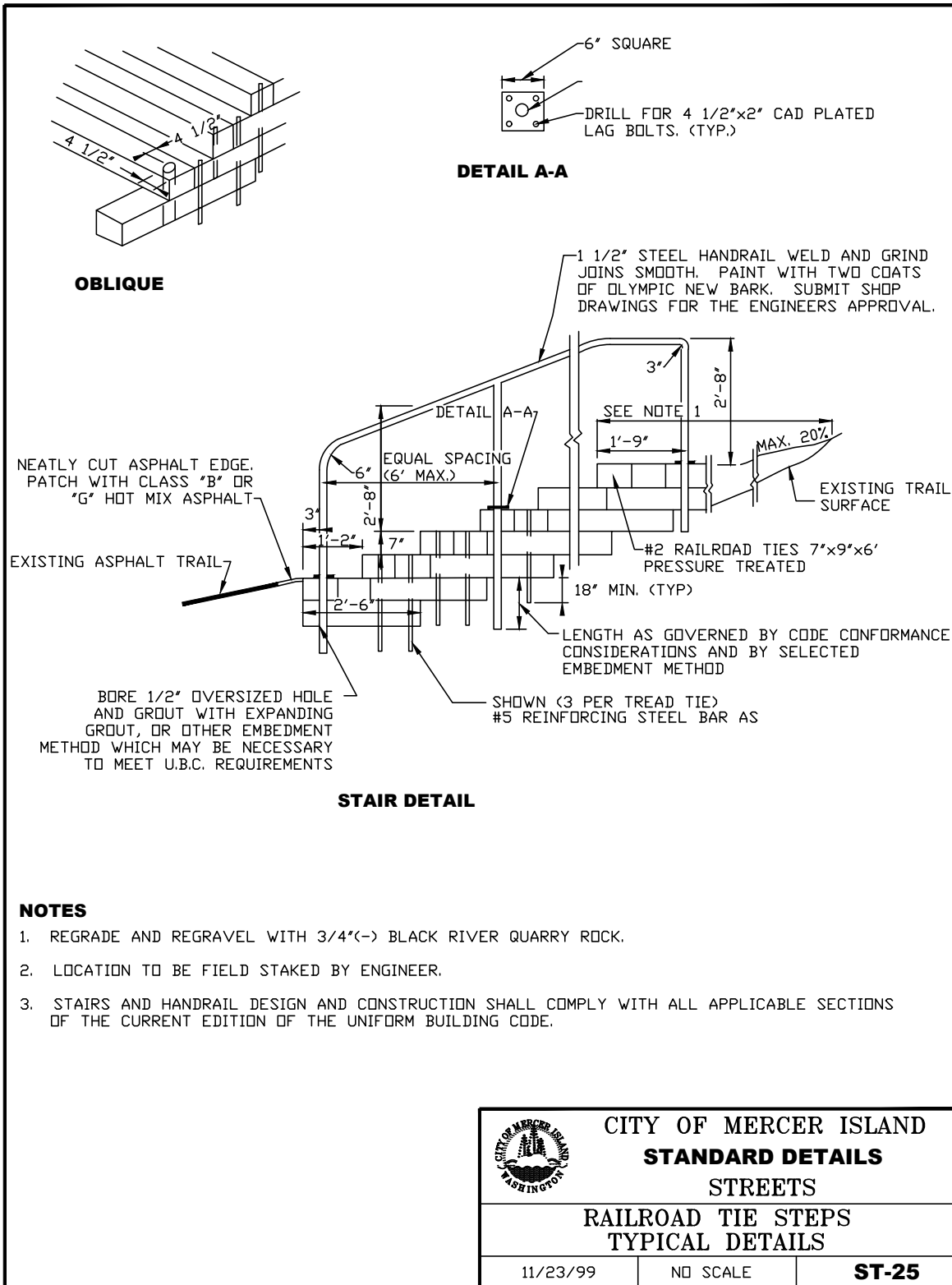
Suggest changing to "A".

SLOPE IN EITHER DIRECTION

	CITY OF MERCER ISLAND STANDARD DETAILS STREETS	
	PARALELL CURB RAMP B	
8/14/2015	NO SCALE	ST-22E-2







TYPE "A" ELEVATION

TYPE "B" ELEVATION

TYPE "B" DETAIL

TYPE "B" DETAIL

NOTES

- MAILBOXES MUST BE APPROVED BY THE POSTMASTER GENERAL WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
- LOCATION IS SUBJECT TO APPROVAL BY CITY ENGINEER FOR PROTECTION OF VIEWS AND ACCESS.
- THESE STANDARD DETAILS DEPICT THE MINIMUM STRUCTURAL AND DIMENSIONAL STANDARDS. DEVIATIONS MUST BE APPROVED BY THE CITY ENGINEER.
- MAILBOX HEIGHT VARIES ACCORDING TO THE TYPE OF DELIVERY VEHICLE. THESE HEIGHTS SHALL BE DETERMINED BY THE POSTMASTER DURING PLAN REVIEW.
- MAILBOX INSTALLATIONS ON PROJECTS FUNDED BY FEDERAL GRANTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WSDOT/APWA STANDARD PLAN H-12.
- ALL MATERIAL SHALL BE NO. 1 GRADE CEDAR OR PRESSURE TREATED. ROOF WILL BE HAND SPLIT NO. CEDAR SHAKES.
- SEE STANDARD DETAIL ST-27B FOR ADDITIONAL DETAILS.

CITY OF MERCER ISLAND

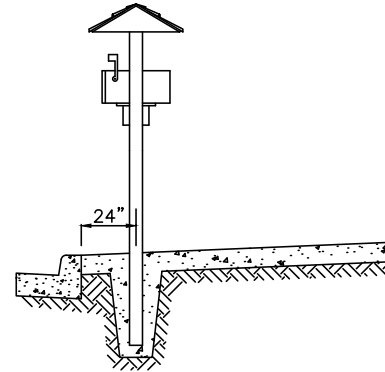
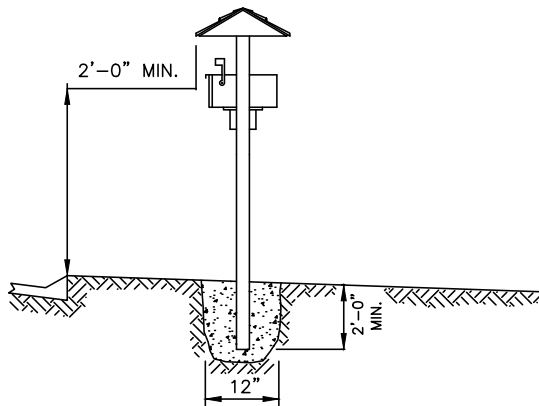
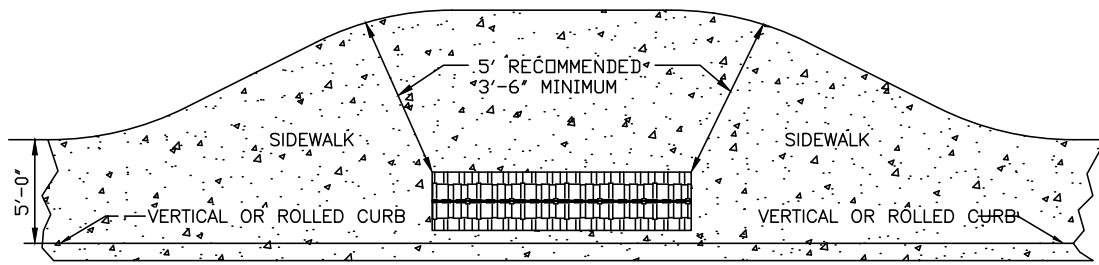
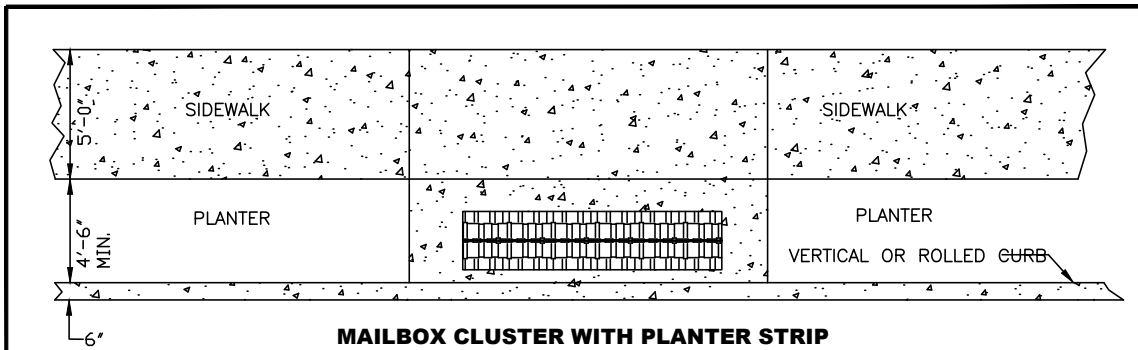
STANDARD DETAILS

STREETS

MAILBOX

TYPICAL DETAILS

11/23/99	NO SCALE	ST-27A
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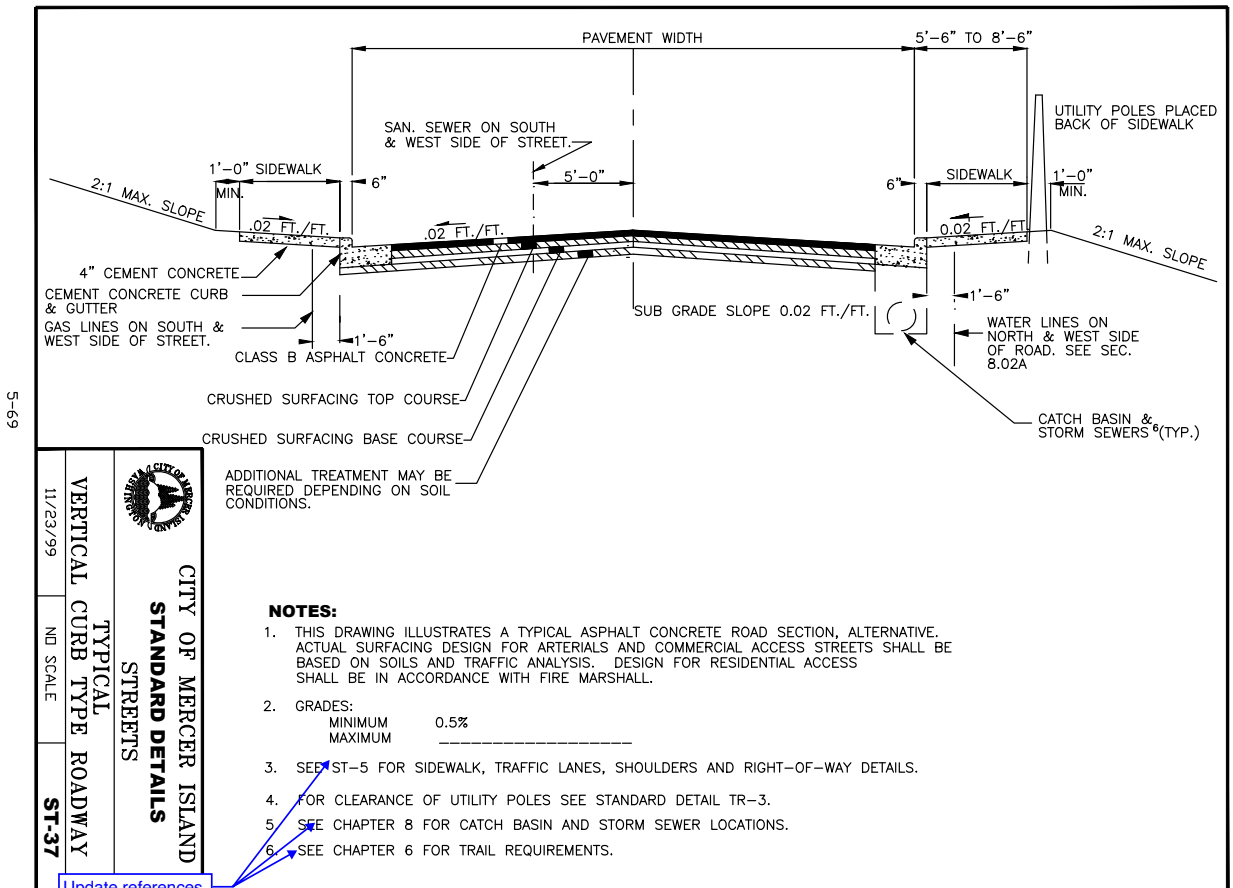
TYPICAL SHOULDER MOUNTING

TYPICAL CURB MOUNTING

NOTES

1. SEE STANDARD DETAIL ST-27A FOR ADDITIONAL DETAILS AND NOTES.

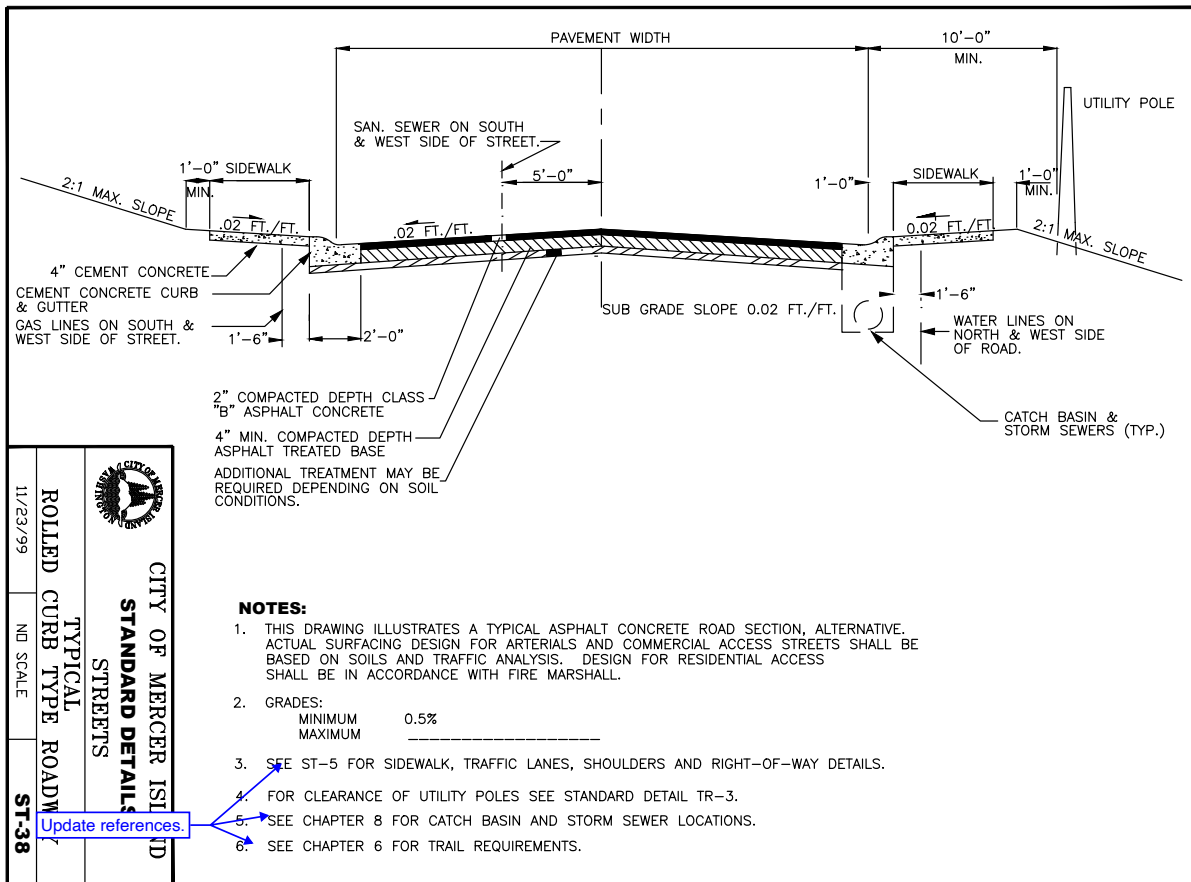
	CITY OF MERCER ISLAND STANDARD DETAILS STREETS	
	MAILBOX TYPICAL DETAILS	
	11/23/99	NO SCALE



5-69

Update references

5-70



11/23/99
ND SCALE
ST-38

ROLLED CURB TYPE ROADWAY
TYPICAL
STREETS

CITY OF MERCER ISLAND
STANDARD DETAILS

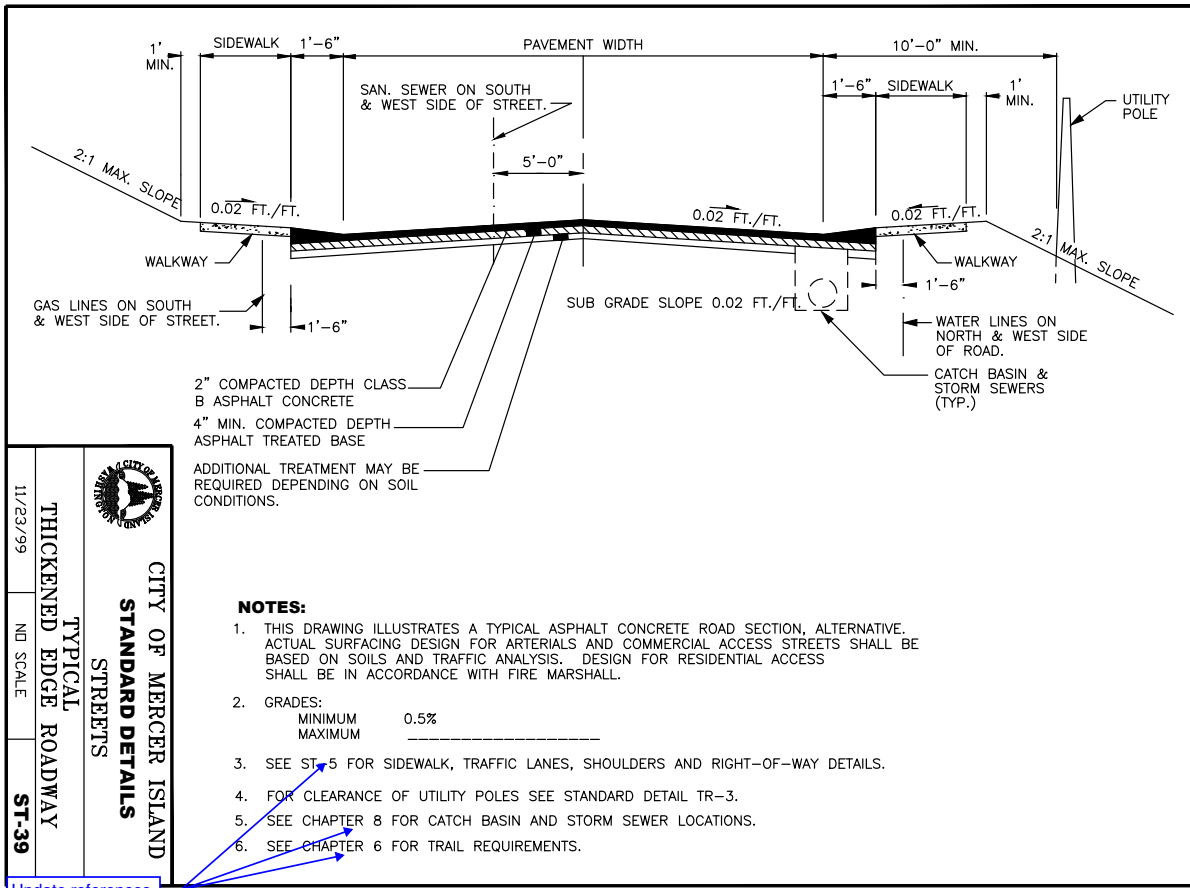
NOTES:

1. THIS DRAWING ILLUSTRATES A TYPICAL ASPHALT CONCRETE ROAD SECTION. ALTERNATIVE ACTUAL SURFACING DESIGN FOR ARTERIALS AND COMMERCIAL ACCESS STREETS SHALL BE BASED ON SOILS AND TRAFFIC ANALYSIS. DESIGN FOR RESIDENTIAL ACCESS SHALL BE IN ACCORDANCE WITH FIRE MARSHALL.
2. GRADES:

MINIMUM	0.5%
MAXIMUM	_____
3. SEE ST-5 FOR SIDEWALK, TRAFFIC LANES, SHOULDERS AND RIGHT-OF-WAY DETAILS.
4. FOR CLEARANCE OF UTILITY POLES SEE STANDARD DETAIL TR-3.
5. SEE CHAPTER 8 FOR CATCH BASIN AND STORM SEWER LOCATIONS.
6. SEE CHAPTER 6 FOR TRAIL REQUIREMENTS.

Update references.

S-71



11/23/99
ND SCALE
ST-39

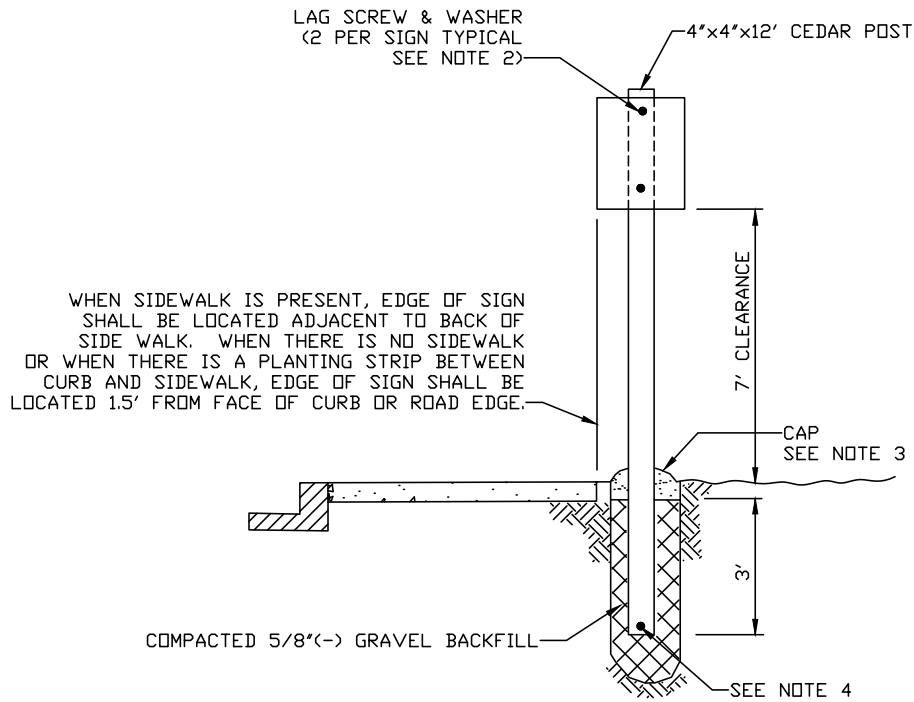
CITY OF MERCER ISLAND
STANDARD DETAILS
TYPICAL THICKENED EDGE ROADWAY STREETS

2" COMPACTED DEPTH CLASS B ASPHALT CONCRETE
4" MIN. COMPACTED DEPTH ASPHALT TREATED BASE
ADDITIONAL TREATMENT MAY BE REQUIRED DEPENDING ON SOIL CONDITIONS.

NOTES:

1. THIS DRAWING ILLUSTRATES A TYPICAL ASPHALT CONCRETE ROAD SECTION, ALTERNATIVE. ACTUAL SURFACING DESIGN FOR ARTERIALS AND COMMERCIAL ACCESS STREETS SHALL BE BASED ON SOILS AND TRAFFIC ANALYSIS. DESIGN FOR RESIDENTIAL ACCESS SHALL BE IN ACCORDANCE WITH FIRE MARSHALL.
2. GRADES:
MINIMUM 0.5%
MAXIMUM _____
3. SEE ST-5 FOR SIDEWALK, TRAFFIC LANES, SHOULDERS AND RIGHT-OF-WAY DETAILS.
4. FOR CLEARANCE OF UTILITY POLES SEE STANDARD DETAIL TR-3.
5. SEE CHAPTER 8 FOR CATCH BASIN AND STORM SEWER LOCATIONS.
6. SEE CHAPTER 6 FOR TRAIL REQUIREMENTS.

Update references.



NOTES

1. INSTALLATION SHALL BE PER M.U.T.C.D.
2. 3 1/4" x 5/16" GALVANIZED OR PLATED LAG SCREW AND 3/16" I.D. x 1" O.D. NYLON WASHER.
3. CAP SHALL BE THE SAME MATERIAL AS THE SURROUNDING SURFACE.
4. INSTALL #300 GALVANIZED COMMON SPIKE ON THE FACE SIDE OF POST AS DIRECTED BY THE ENGINEER. SPIKE SHALL BE 8" ABOVE BOTTOM OF POST AND SHALL PROTRUDE 2" FROM POST.



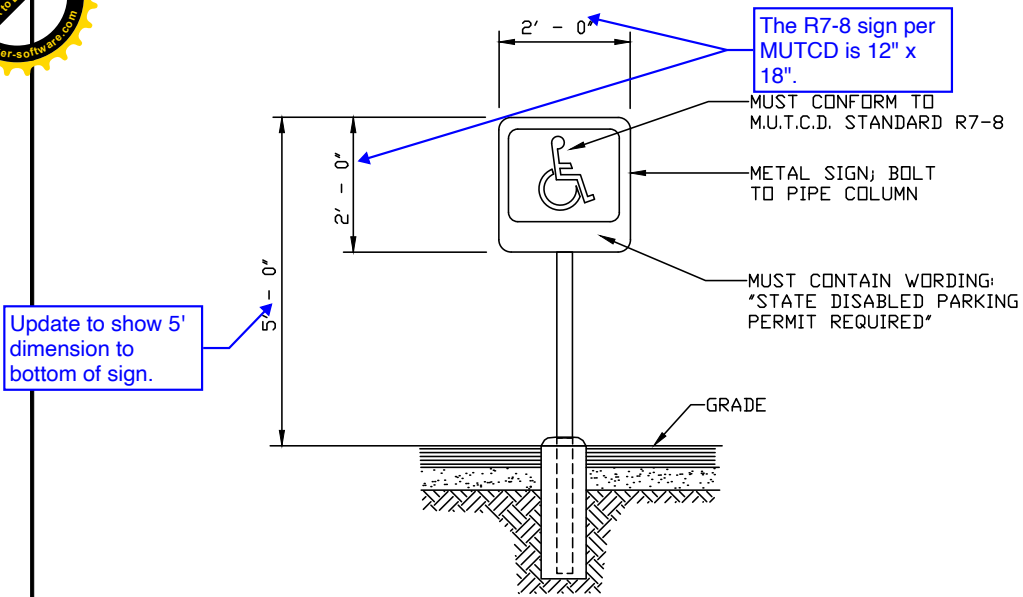
**CITY OF MERCER ISLAND
STANDARD DETAILS
TRAFFIC**

STANDARD SIGN INSTALLATION

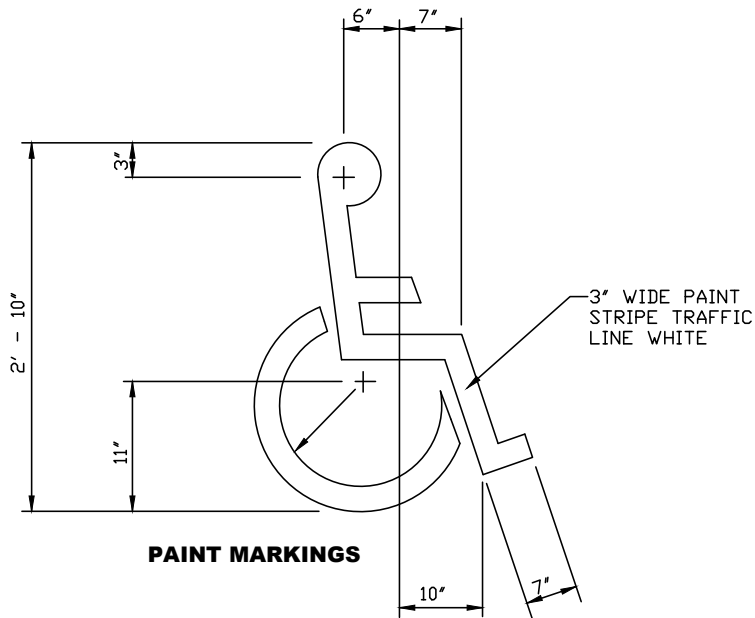
1-1-2000

NO SCALE

TR-4



SIGN

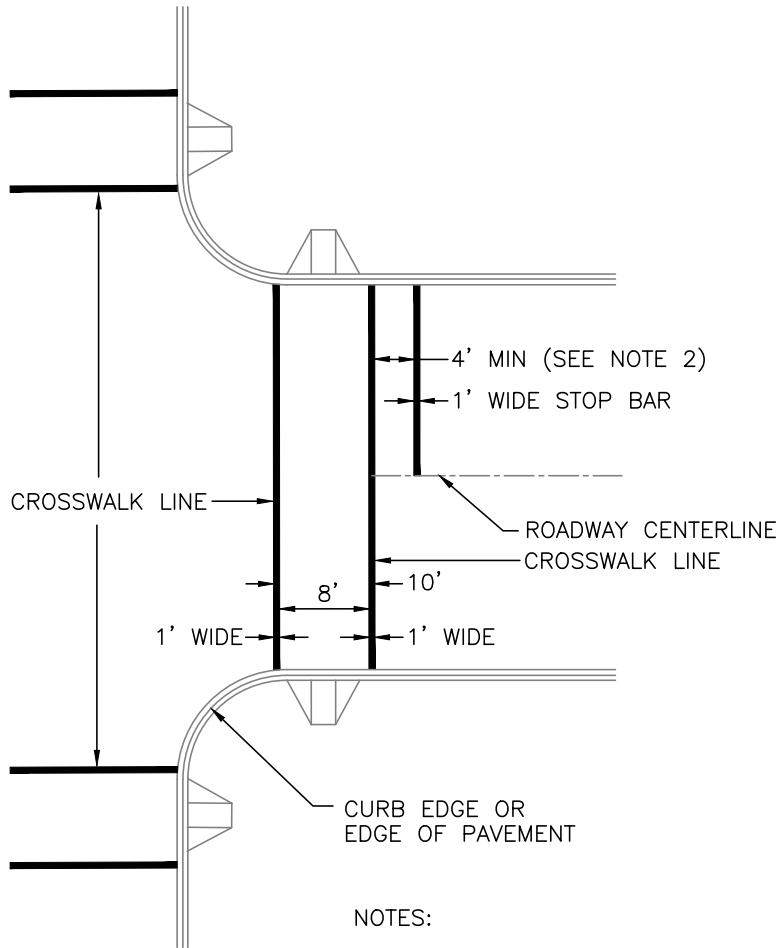


PAINT MARKINGS

NOTES


1. SEE STANDARD DETAIL TR-4 FOR SIGN INSTALLATION DETAILS.
2. PROVIDE SIGNS AND SYMBOLS AT ALL HANDICAPPED PARKING STALLS AS INDICATED ON THE SITE PLAN.
3. ALL SIGNS AND MARKINGS SHALL CONFORM TO THE M.U.T.C.D. MANUAL.

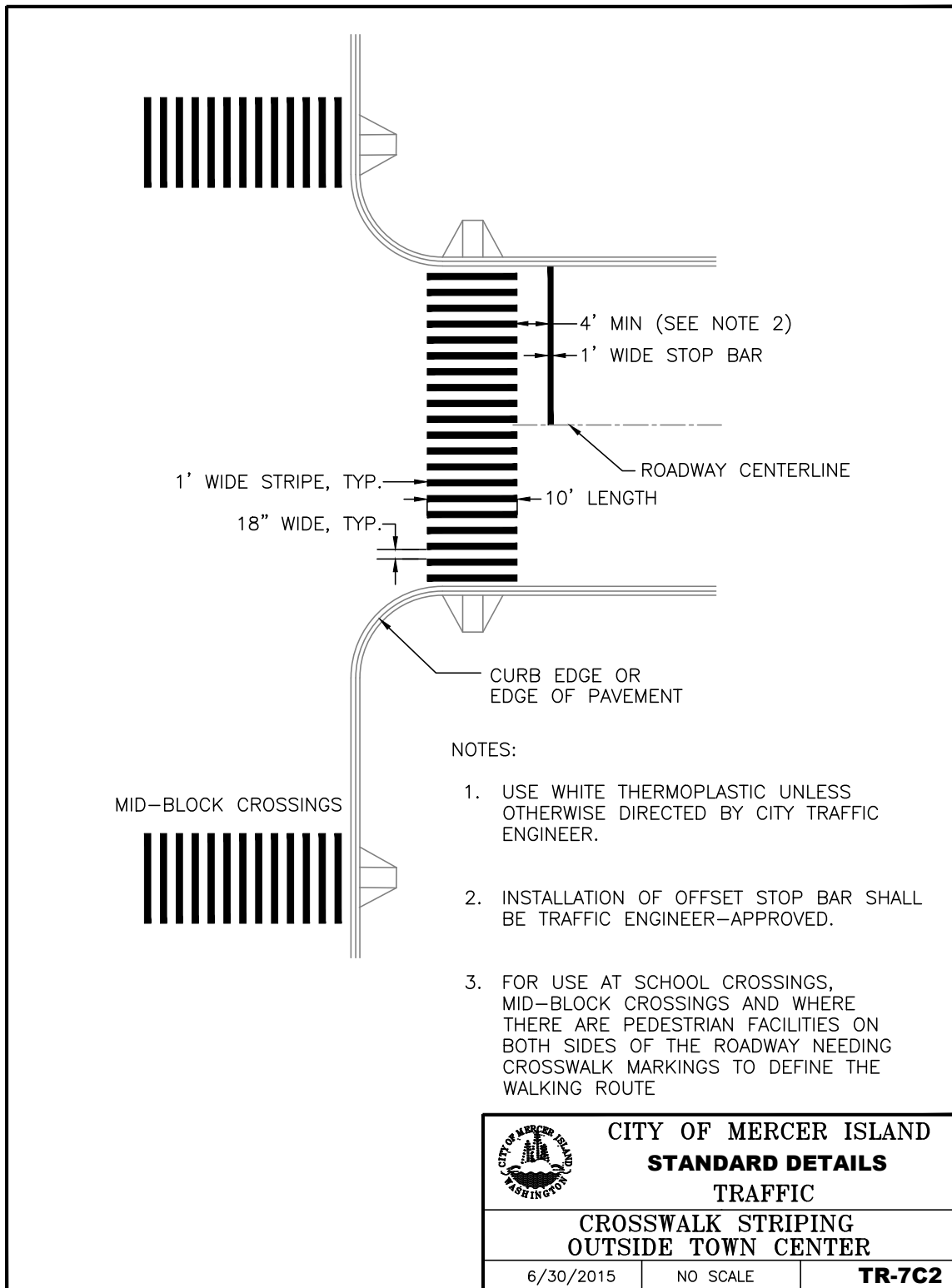
	CITY OF MERCER ISLAND	
	STANDARD DETAILS	
TRAFFIC		
HANDICAP SIGN AND MARKING		
1-1-2000	NO SCALE	TR-6

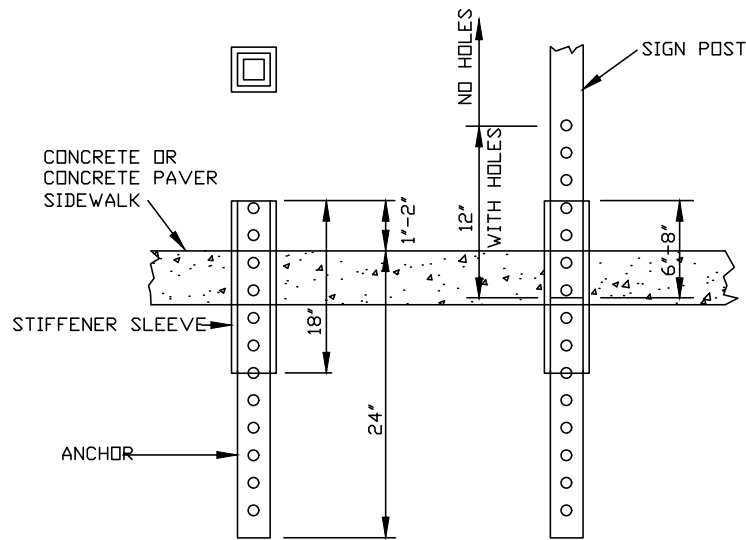
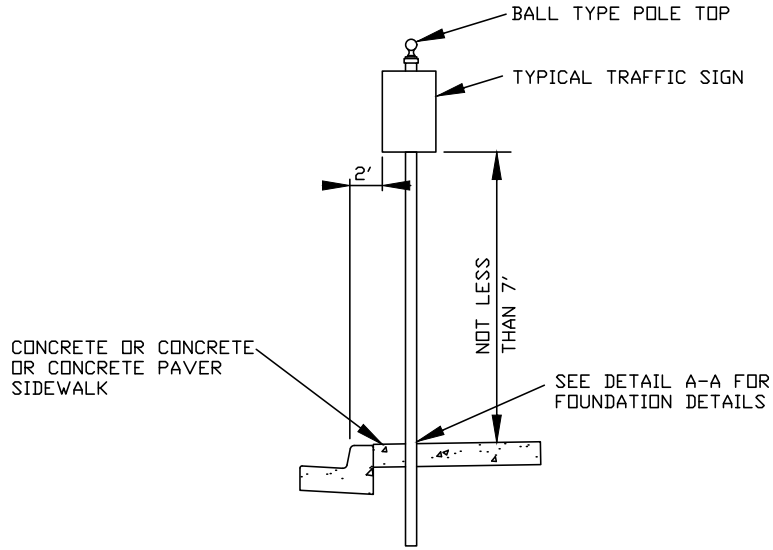
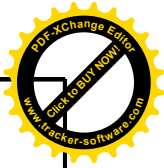


NOTES:

1. USE WHITE THERMOPLASTIC UNLESS OTHERWISE DIRECTED BY CITY TRAFFIC ENGINEER.
2. INSTALLATION OF OFFSET STOP BAR SHALL BE TRAFFIC ENGINEER-APPROVED.
3. FOR USE AT SIGNALIZED INTERSECTIONS AND INTERSECTIONS IN THE TOWN CENTER.

	CITY OF MERCER ISLAND STANDARD DETAILS TRAFFIC	
	CROSSWALK STRIPING SIGNALIZED I/S & TOWNCENTER	
3/06/2015	NO SCALE	TR-7C1



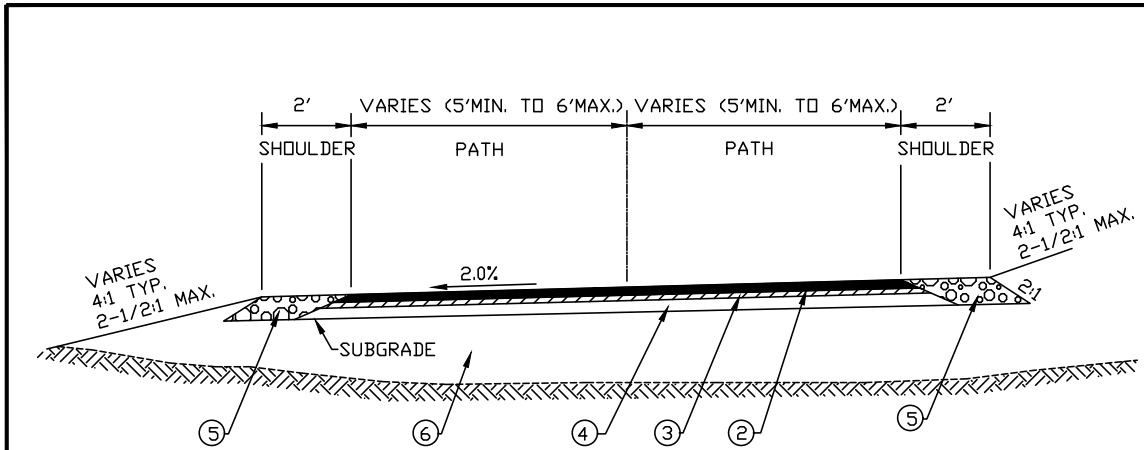


DETAIL A-A

NOTES


1. SIGN POST SHALL BE 2"x10' 10 GAUGE GALVANIZED STEEL NON-PERFORATED WITH A BALL CAP. THE POST SHALL BE POWDER COATED WITH PANATONE 5650U DARK GREEN.
2. THE ANCHOR SHALL BE 2'x2 1/4" 12 GAUGE PERFORATED GALVANIZED STEEL.
3. THE STIFFENER SLEEVE SHALL BE 18"x2 1/2" 12 GAUGE PERFORATED GALVANIZED STEEL POWDER COATED WITH PANATONE 5650U DARK GREEN.
4. THE POST SHALL HAVE A 2" BALL TYPE TOP AS MANUFACTURED BY MONUMENTAL IRON AND SUPPLIED BY ANCHOR FENCE OF WOODINVILLE, WASHINGTON.

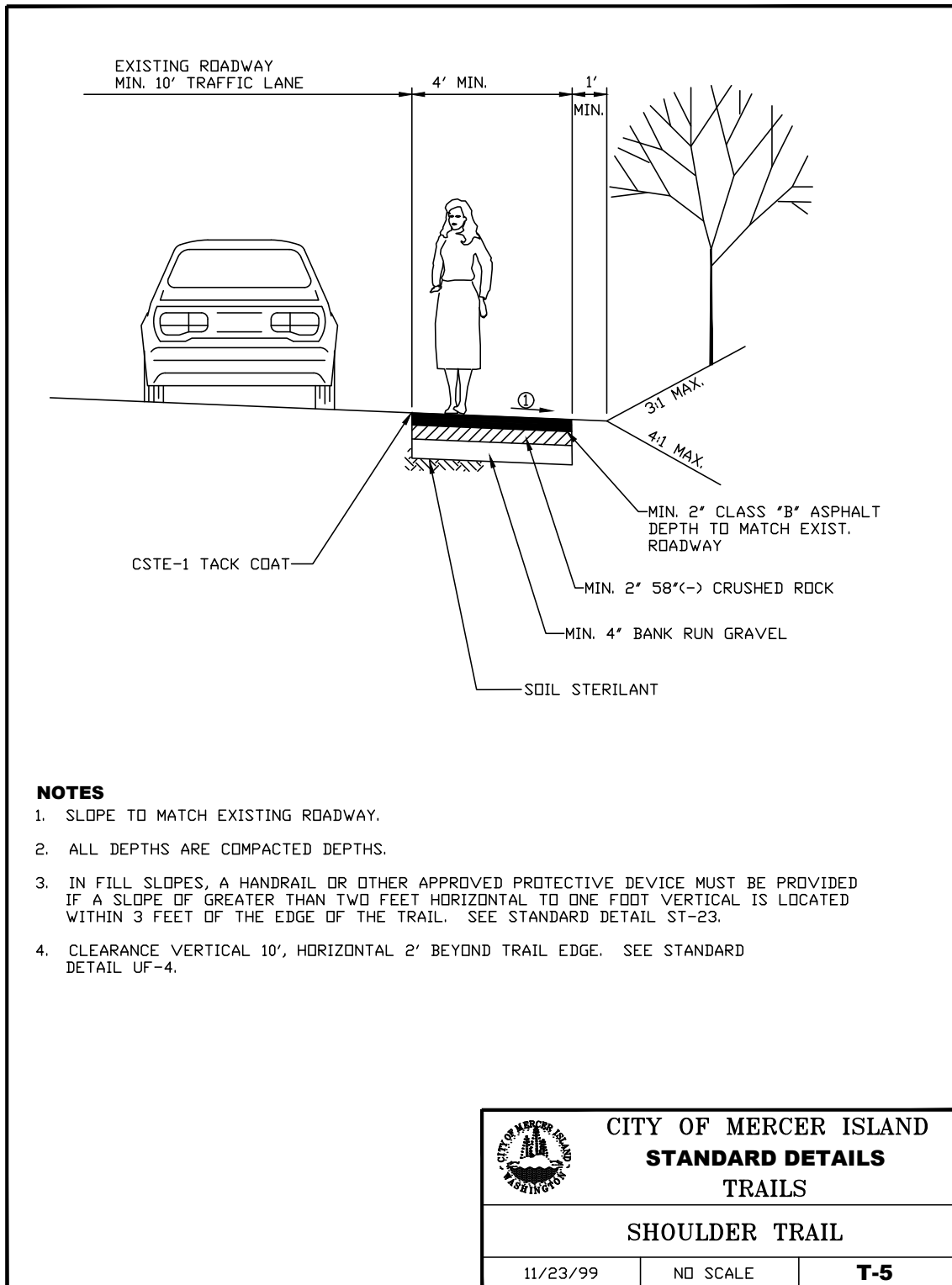
	CITY OF MERCER ISLAND STANDARD DETAILS TRAFFIC	
	TYPICAL METAL POST TRAFFIC SIGN - CBD	
1-1-2000	NO SCALE	TR-13

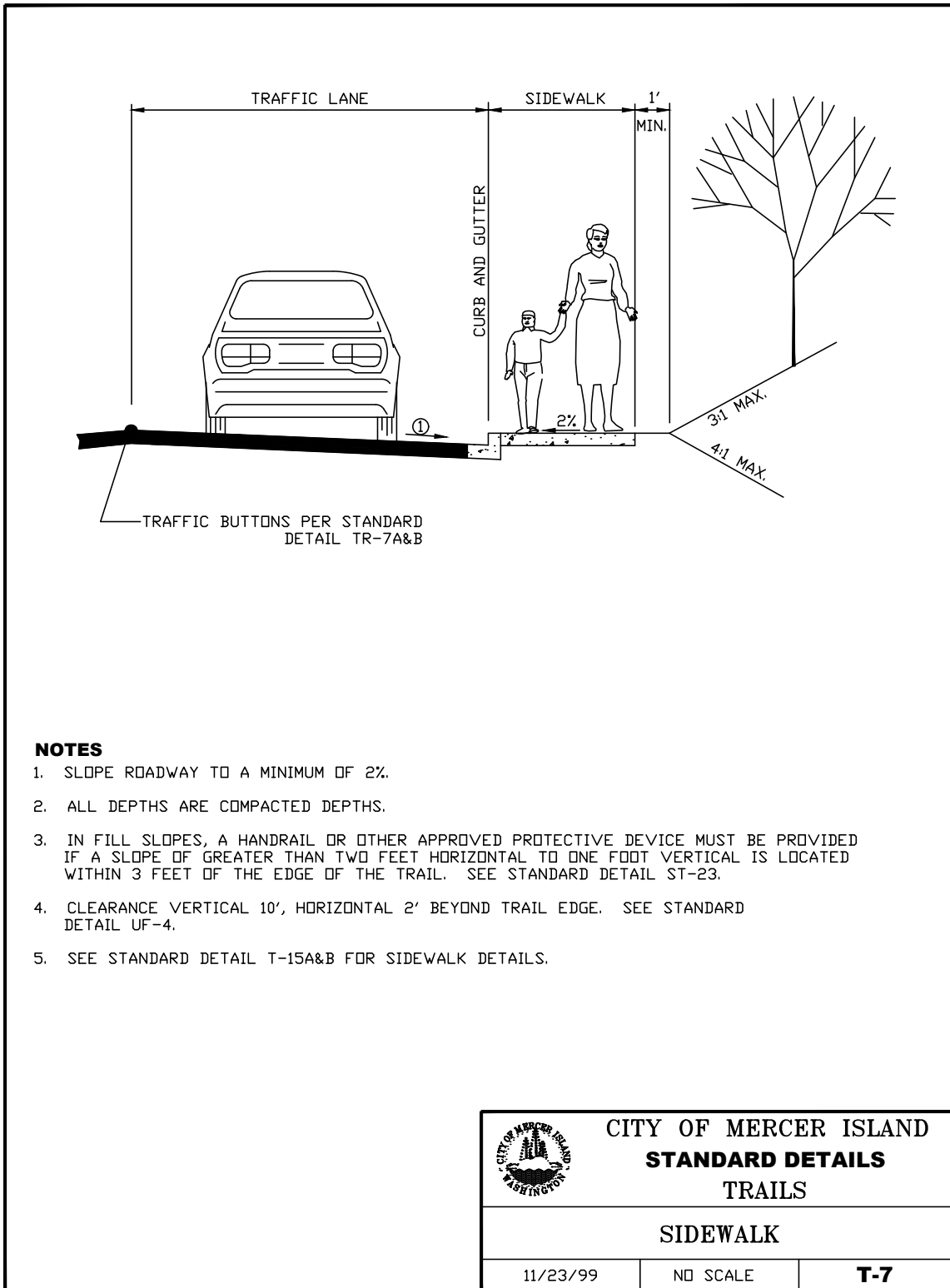


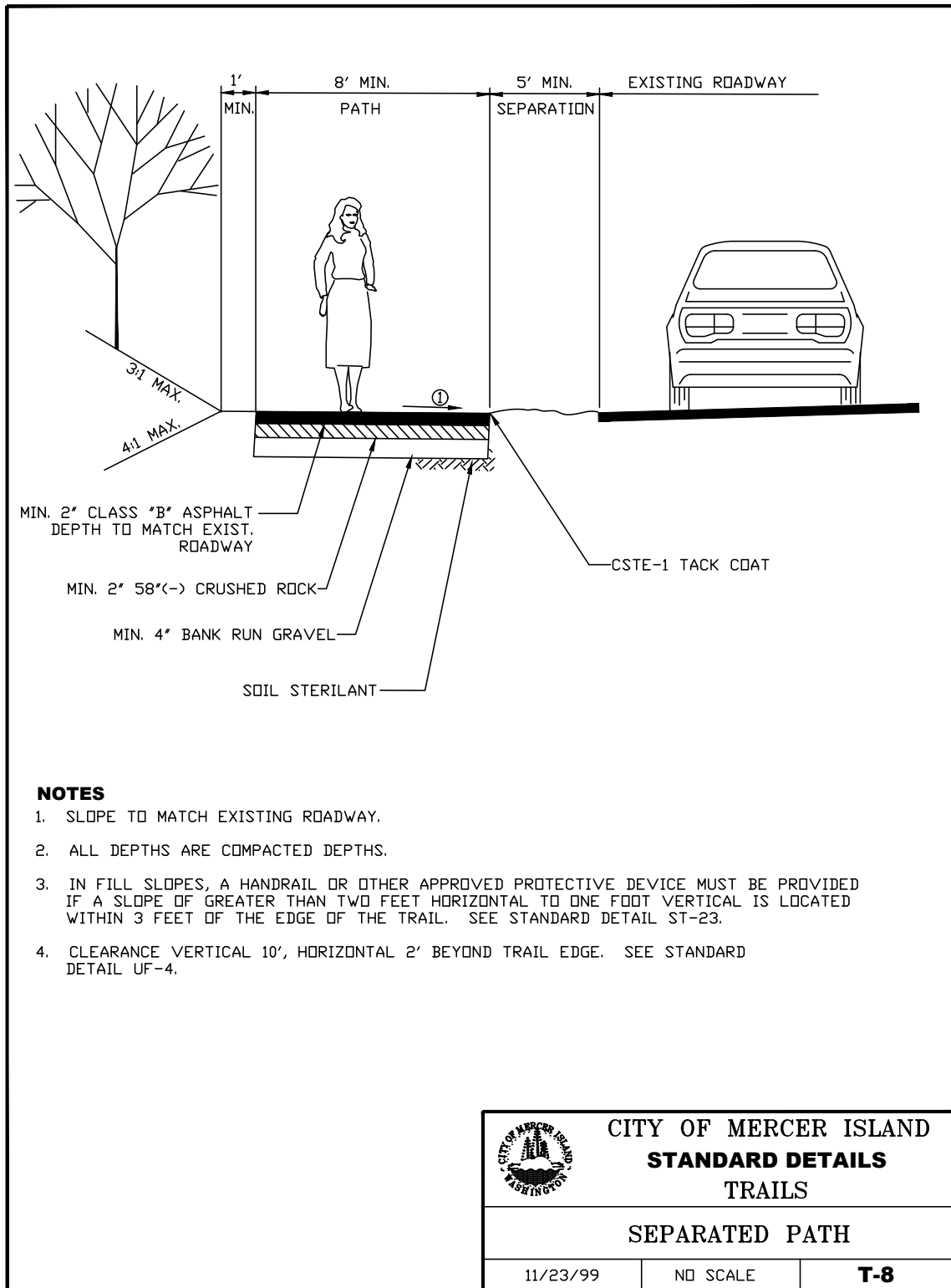
NOTES

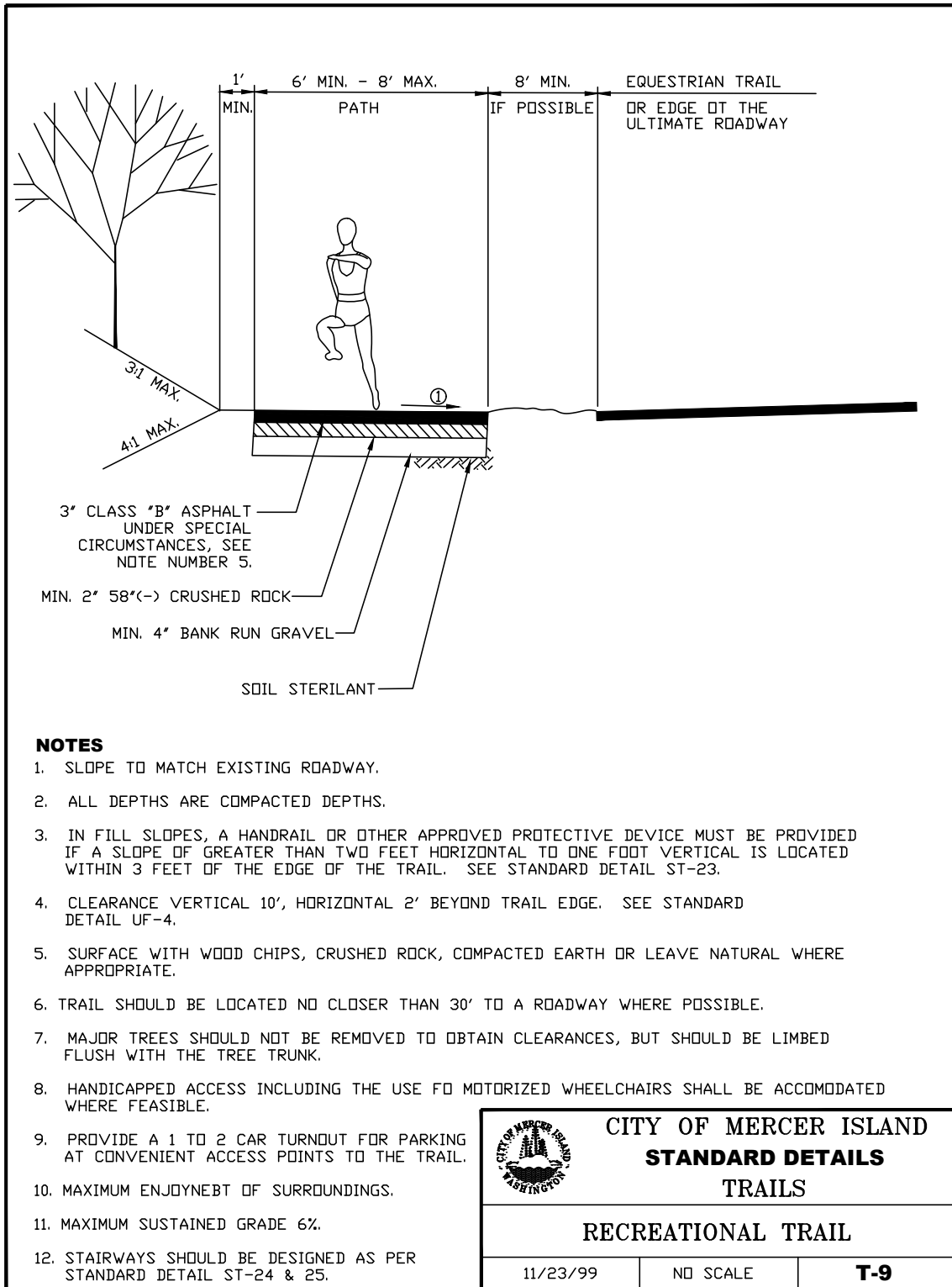
1. THIS SEATTLE TO BELLEVUE TRAIL (MARYMOOR PARK) WAS CONSTRUCTED BY THE I-90 PROJECT AND HAS BEEN DESIGNED IN ACCORDANCE TO FEDERAL AND STATE DESIGN GUIDELINES FOR BICYCLE TRAILS. IT HAS THE FOLLOWING CHARACTERISTICS
 - A. 12' WIDE ASPHALT TRAIL
 - B. MAXIMUM GRADE 7%
2. ASPHALT CONCRETE PAVEMENT, CLASS "B", 0.25' COMPACTED DEPTH.
3. CRUSHED SURFACING TOP COURSE, 0.15' COMPACTED DEPTH.
4. GRAVEL BASE, 0.35' COMPACTED DEPTH.
5. CRUSHED SURFACING TOP COURSE, 0.75' COMPACTED DEPTH.
6. GRAVEL BORROW, VARIABLE COMPACTED DEPTH.
7. SEE STANDARD DETAIL UF-4 FOR TRIMMING REQUIREMENTS.

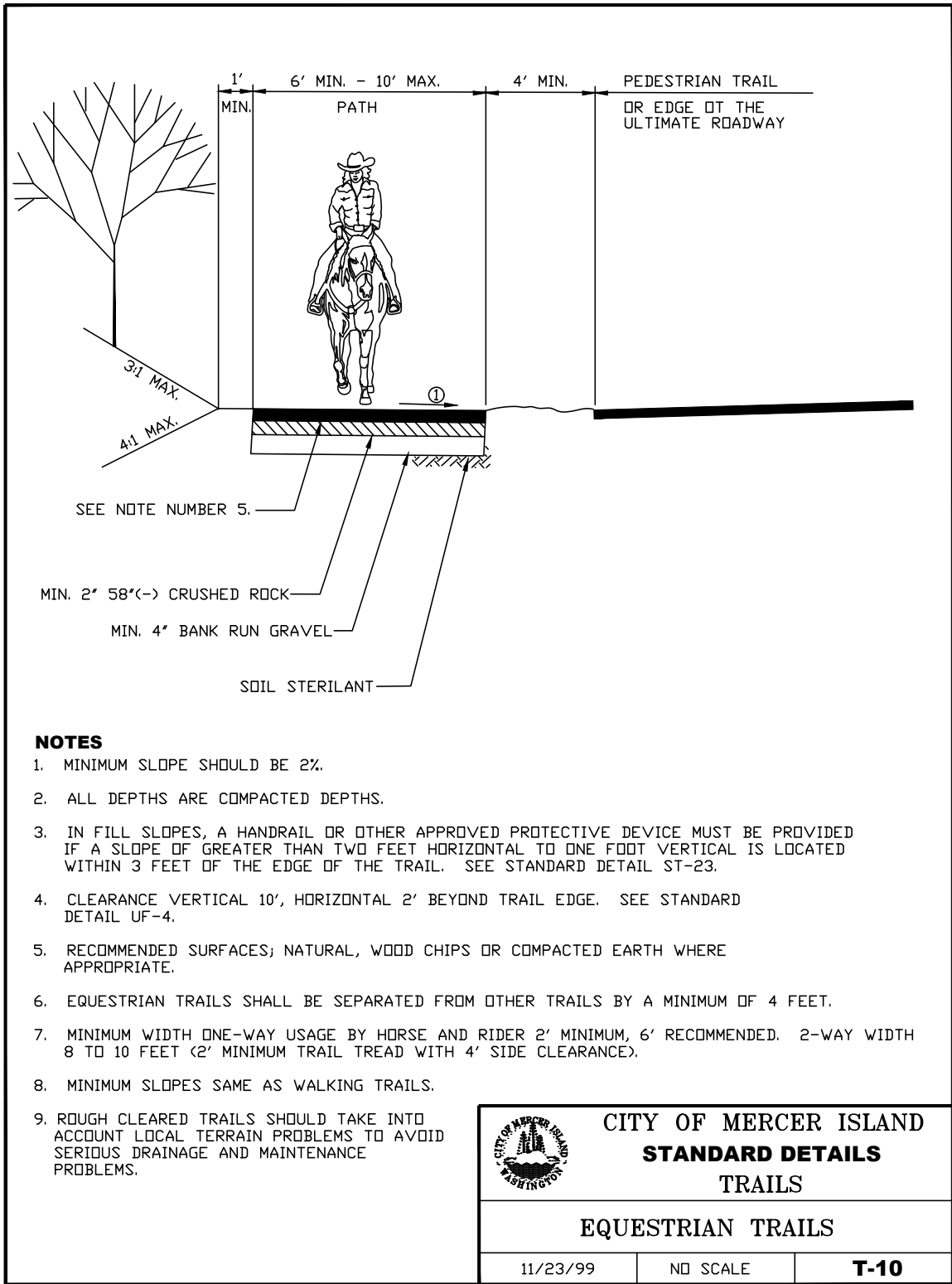
	CITY OF MERCER ISLAND STANDARD DETAILS TRAILS	
	REGIONAL TRAIL PEDESTRIAN-BICYCLE	
11/23/99	NO SCALE	T-2

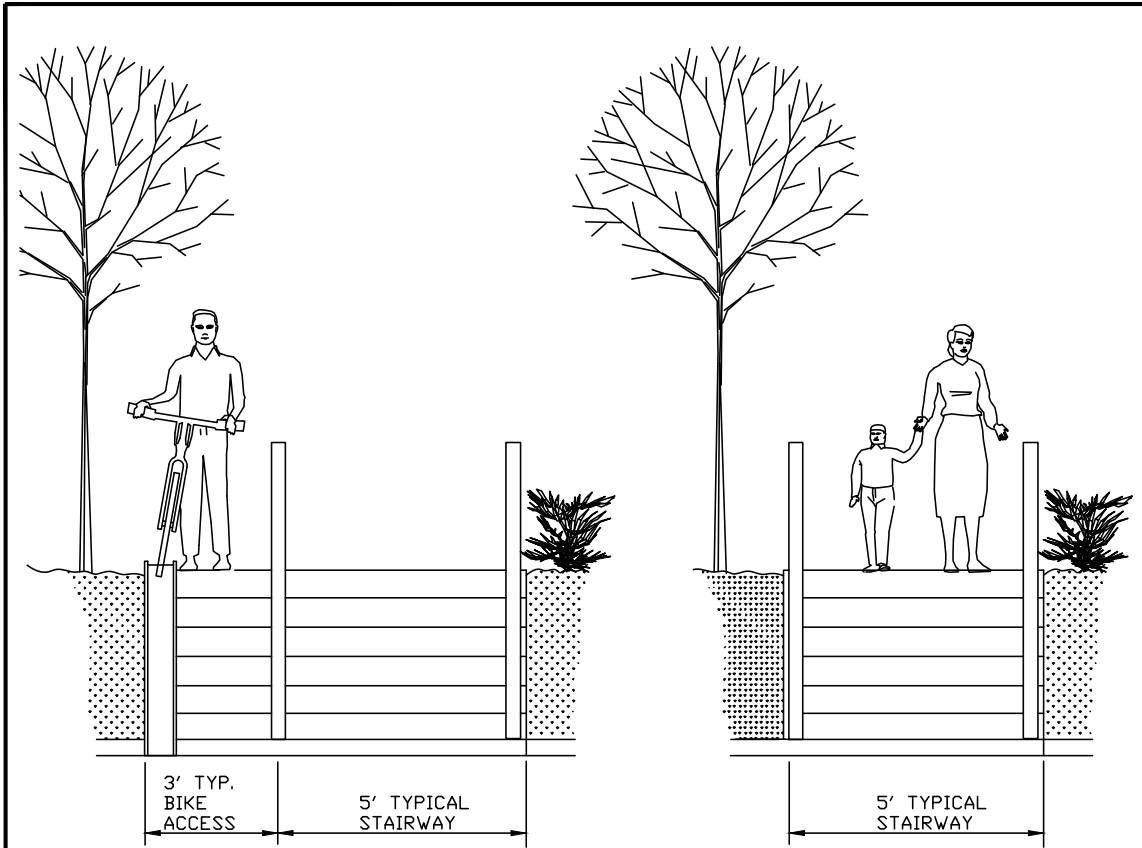









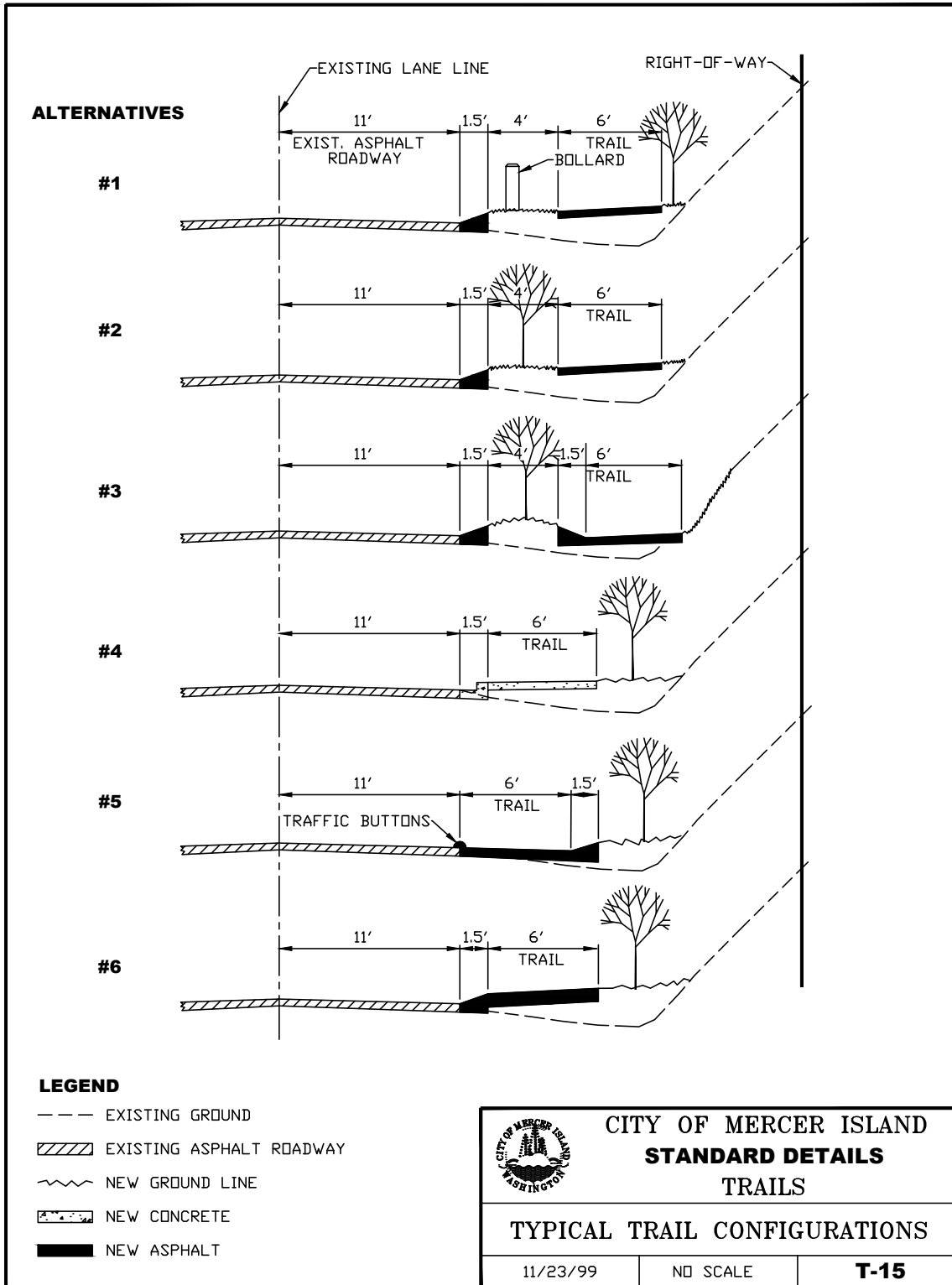


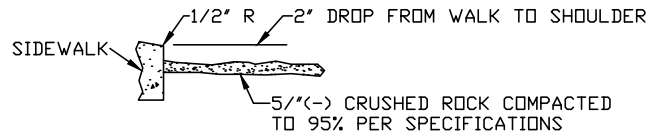


NOTES

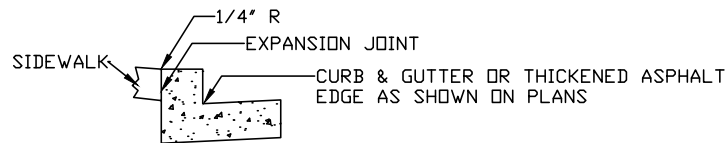
1. FOR SPECIFIC DESIGN REQUIREMENTS SEE STANDARD DETAIL ST-24 & 25.

	CITY OF MERCER ISLAND STANDARD DETAILS TRAILS	
	STAIRWAYS	
11/23/99	NO SCALE	T-11

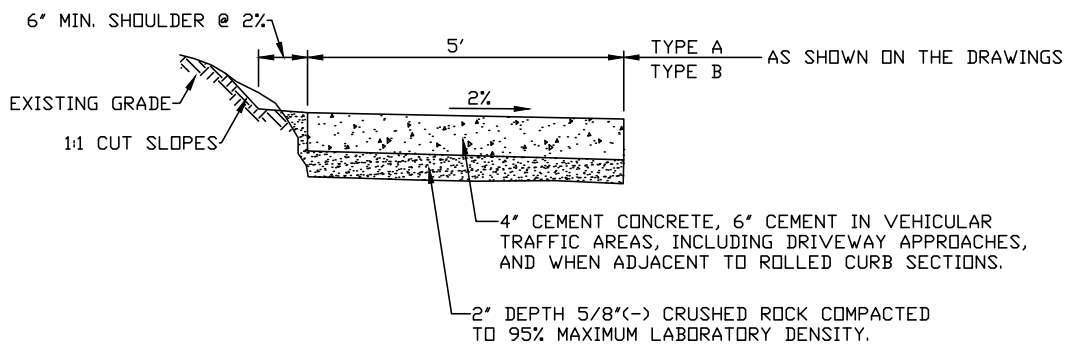




TYPE A - SEPARATED WALK




TYPE B - ADJACENT WALK

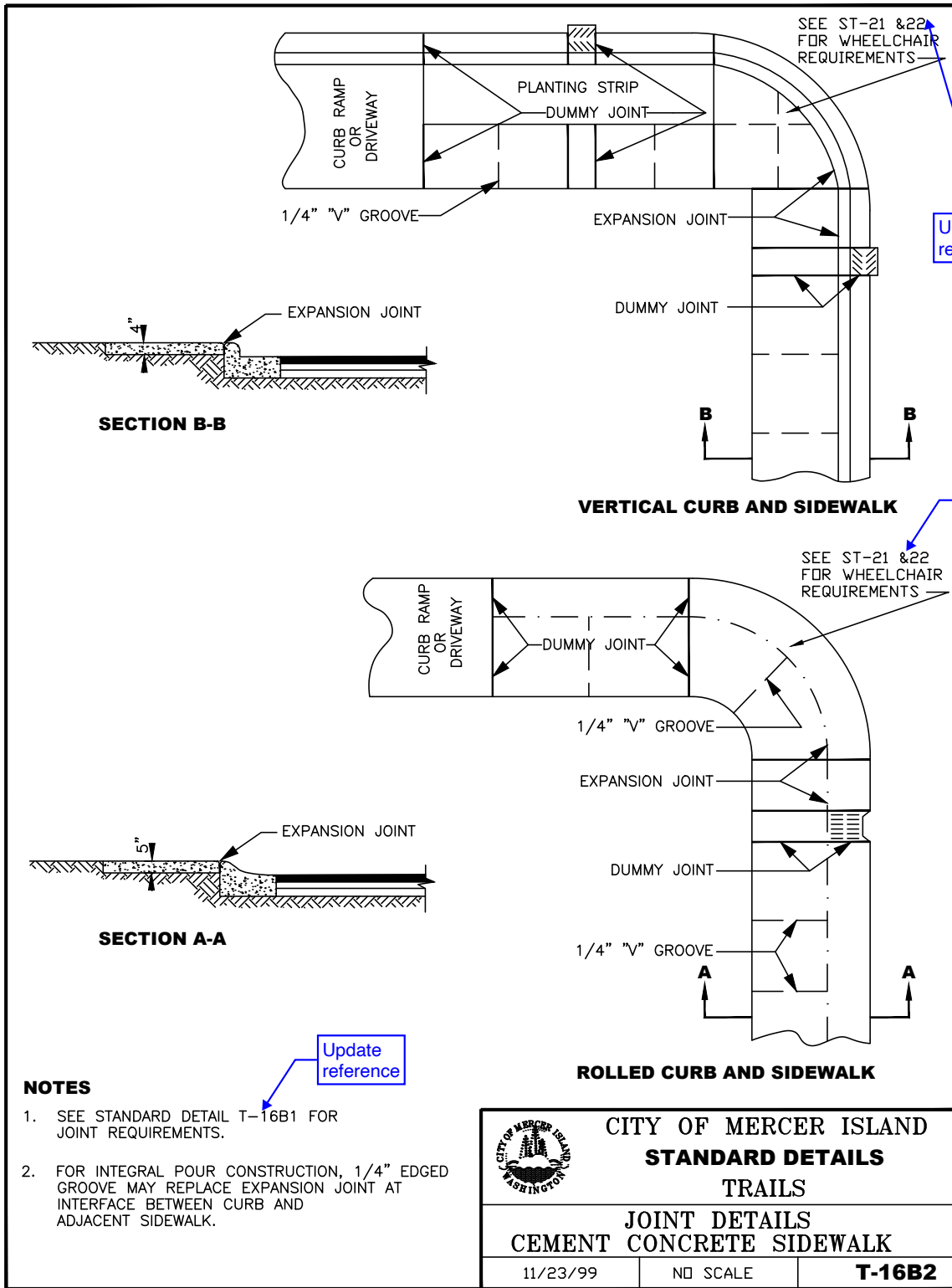


CEMENT CONCRETE WALK

NOTES

1. BRUSH FINISH TRANSVERSE TO SIDEWALK DIRECTION. TROWEL SMOOTH FIRST 2" AT ALL EDGES AND JOINTS WITH EDGAR.
2. INSTALL EXPANSION JOINTS AS PER STANDARD DETAIL T-16B2.
3. ALL JOINTS AND EDGES SHALL BE CLEAN AND BE ROUNDED TO 1/4" RADIUS, EXCEPT 1/2" RADIUS AT SIDEWALK EDGES. JOINTS SHALL BE FLUSH WITH THE FINISHED SURFACE.
4. ALL UTILITY POLES, METER BOXES, ETC. IN SIDEWALK AREA SHALL HAVE A 3/8" PREMOULDED JOINT FILLER, FULL DEPTH, PLACED AROUND THEM BEFORE PLACING CONCRETE.
5. ALL WORK SHALL CONFORM TO THE PLANS AND SPECIFICATIONS.

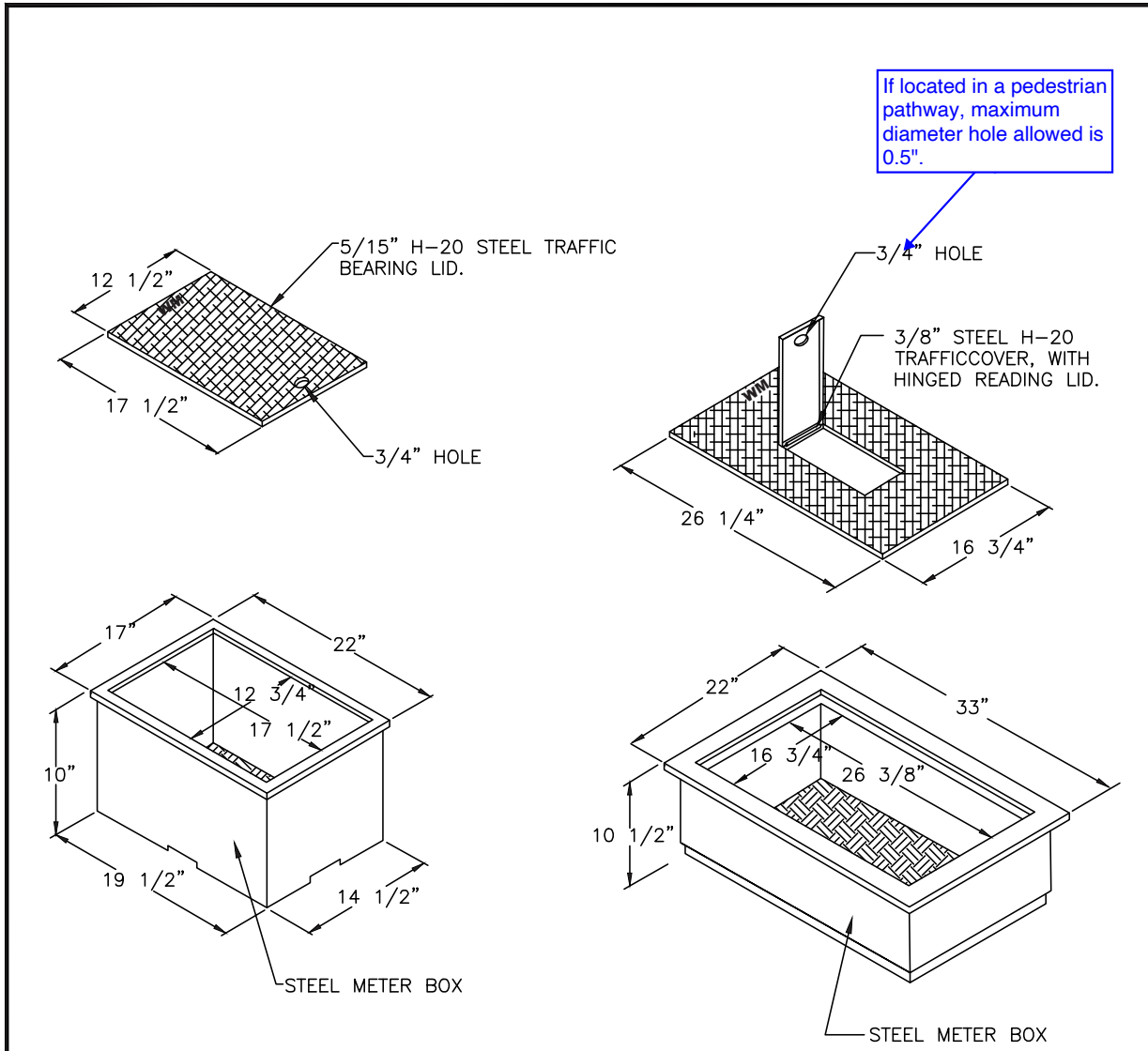
	CITY OF MERCER ISLAND STANDARD DETAILS TRAILS	
	DETAILS CEMENT CONCRETE SIDEWALK	
	11/23/99	NO SCALE



Update reference

Update reference

Update reference




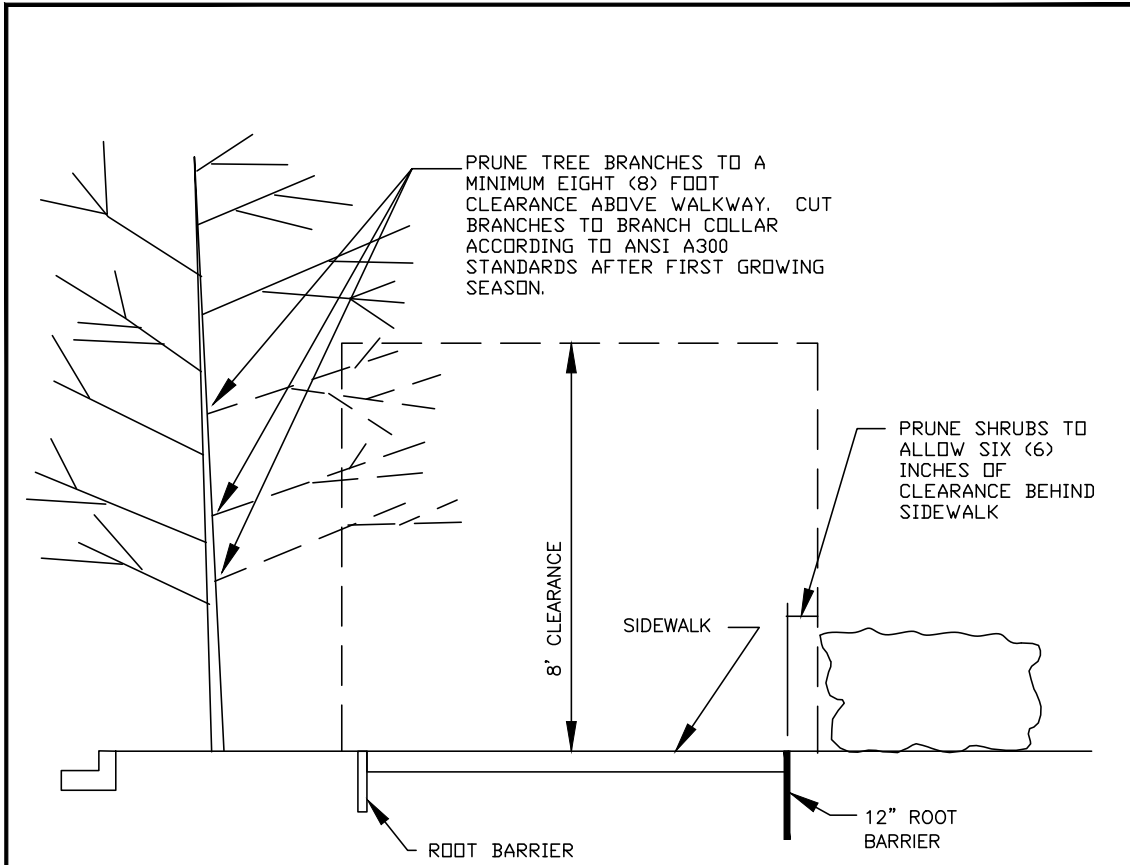
1" STEEL METER BOX

2" STEEL METER BOX

NOTES


1. FOR 1" STEEL BOX, USE FOG TITE J20S LID OR EQUAL, WITH A 3/4" ROUND HOLE.
2. 2" METER BOX SHALL BE FOG TITE #2J20S ALL STEEL BOX WITH TAR COATING. LID SHALL BE HINGED WITH 3/4" DIA. LIFTING HOLE.

	<p>CITY OF MERCER ISLAND STANDARD DETAILS WATER</p>	
<p>1" AND 2" STEEL WATER METER BOX</p>		
12-23-2013	NO SCALE	W-17
REV DATE		APPROVED

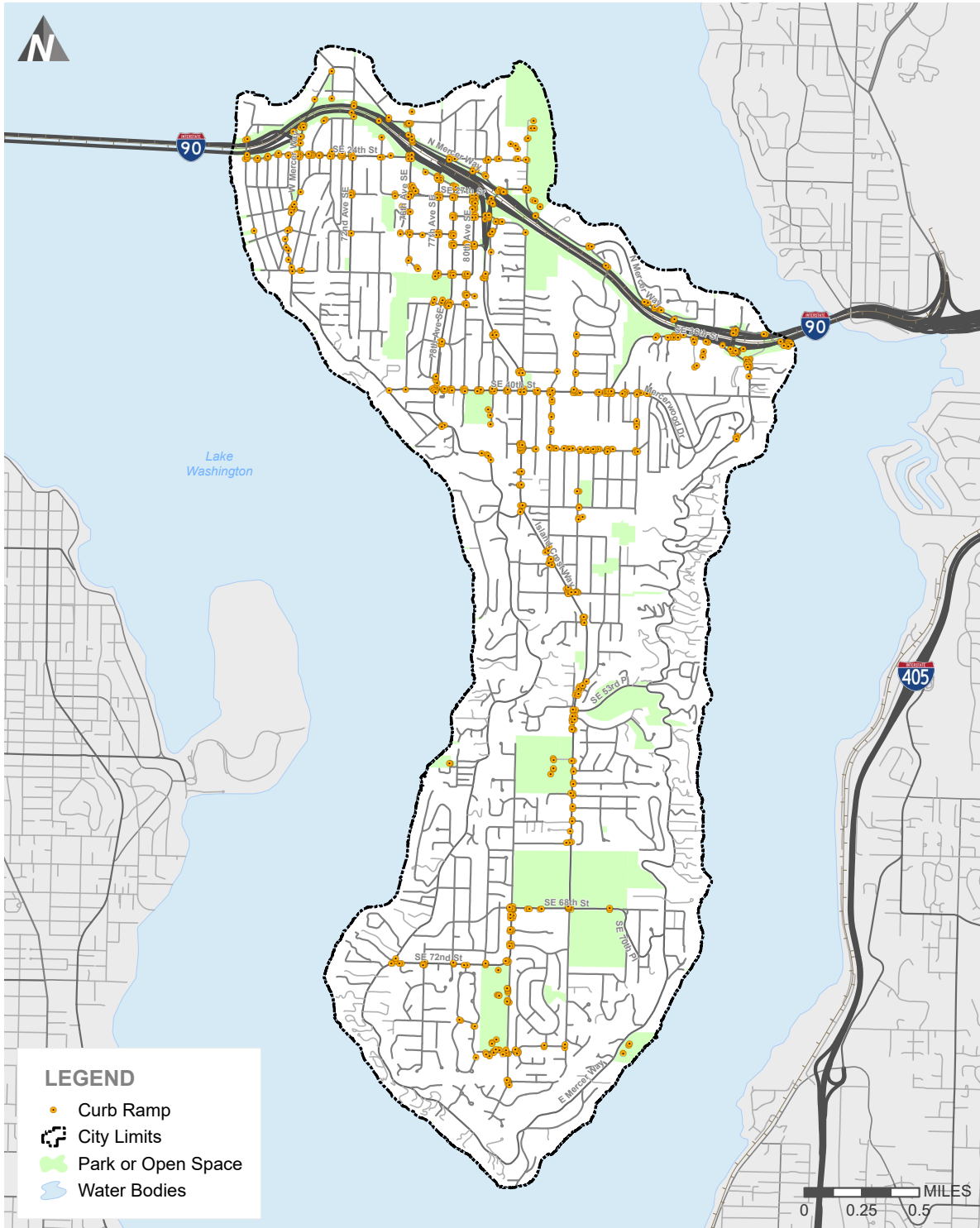


NOTES:

1. PRUNE MINIMALLY ON INSTALLATION AND ONLY AS NEEDED.
2. BRANCHES ON NEWLY PLANTED TREES MAY BE HEADED BACK TO PROVIDE CLEARANCE AND RETAIN LEAF AREA.
3. PRUNING ESTABLISHED TREES SHALL CONFORM TO ANSI A300.

	CITY OF MERCER ISLAND STANDARD DETAILS URBAN FORESTRY	
	WALKWAY TRIMMING DETAIL	
9-23-2002	NO SCALE	UF-4
REV DATE		APPROVED

Appendix B - Existing Data Inventory



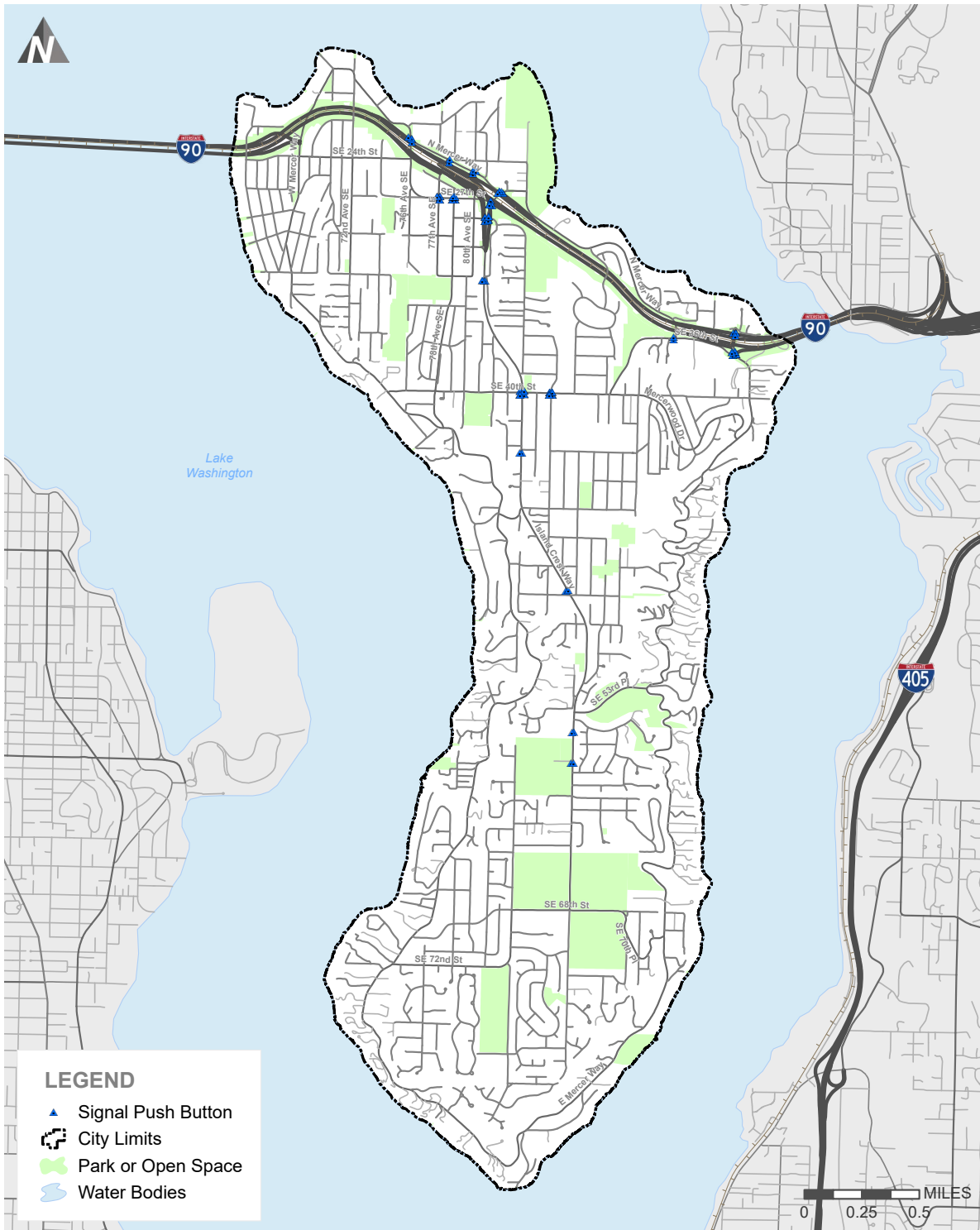
Inventory Curb Ramp

City of Mercer Island ADA Transition Plan

FIGURE



I-1



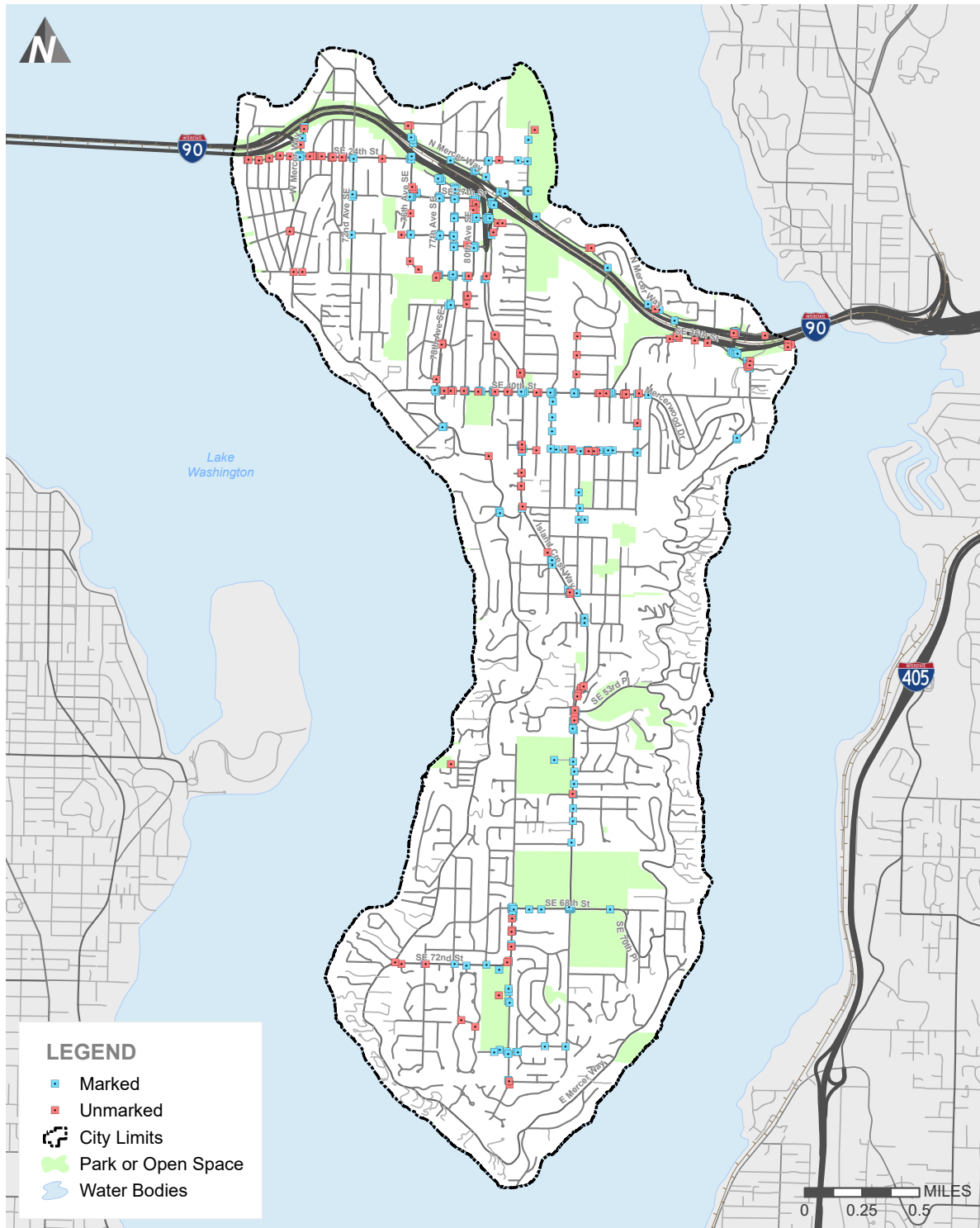
Inventory Signal Push Button

City of Mercer Island ADA Transition Plan



FIGURE

I-3

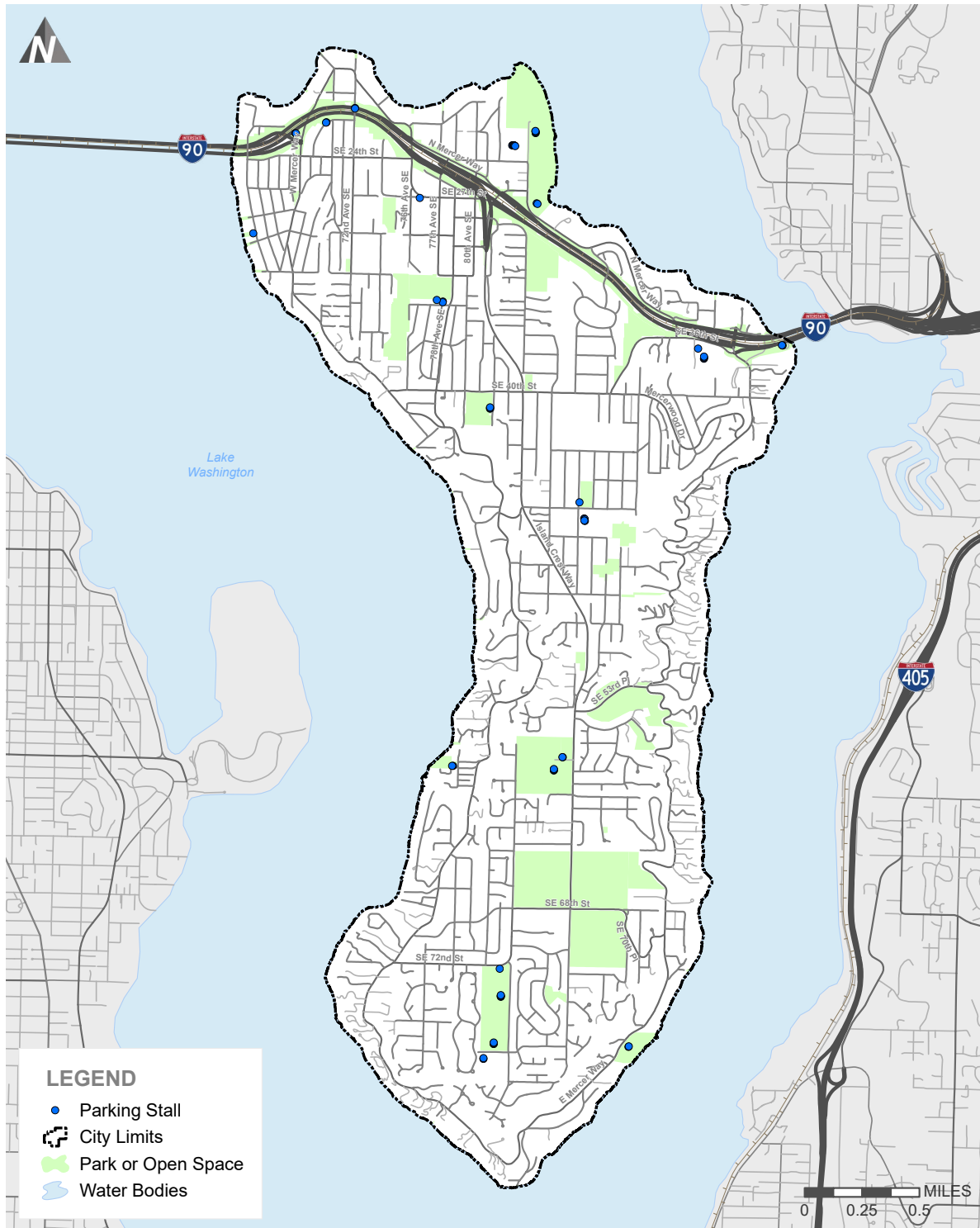


Inventory Crosswalk
City of Mercer Island ADA Transition Plan

FIGURE



I-4

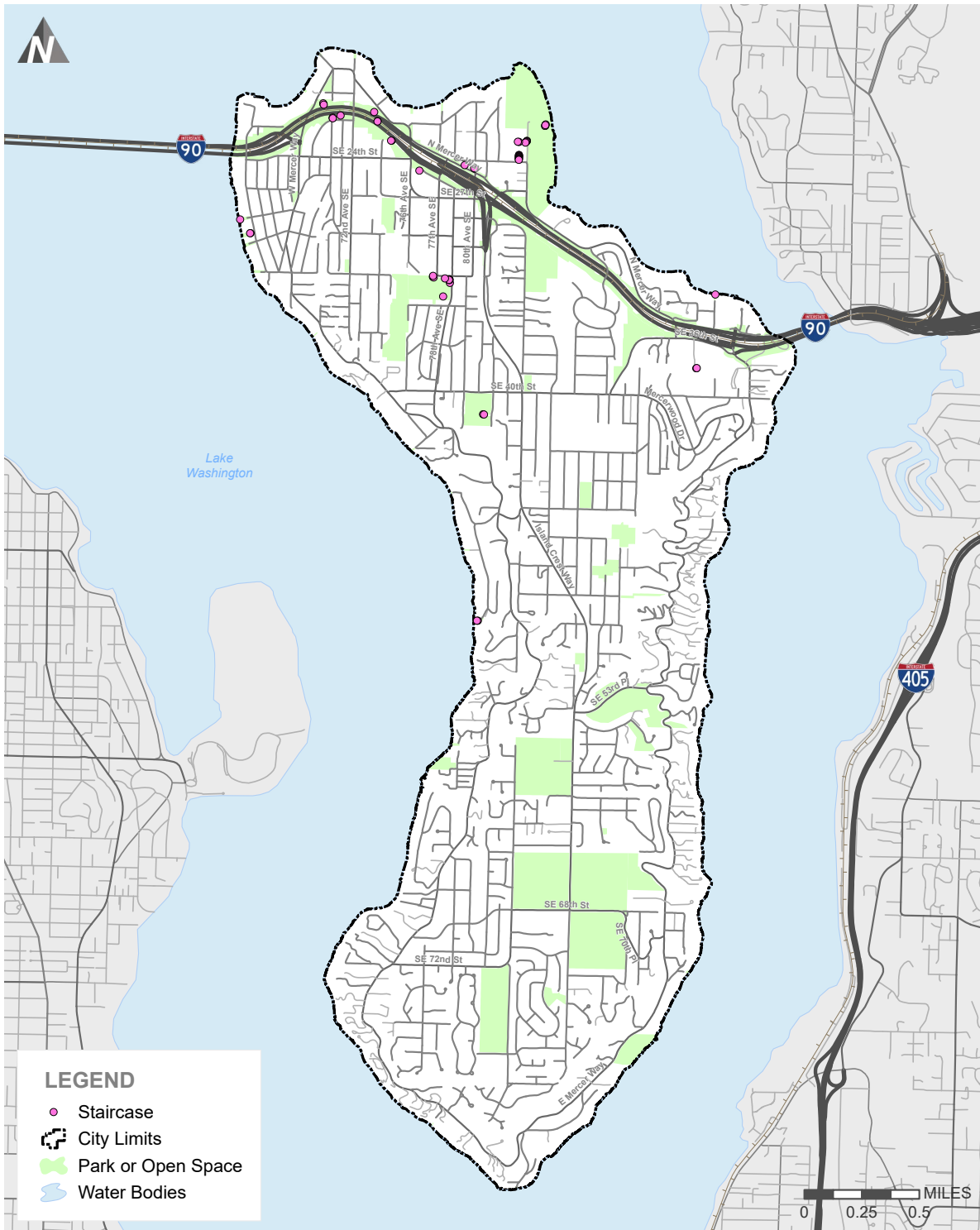


Inventory Parking Stall
City of Mercer Island ADA Transition Plan

FIGURE



I-6



Inventory Staircase

City of Mercer Island ADA Transition Plan



FIGURE

I-7

Appendix C - Prioritization Criteria

ADA Transition Plan Prioritization Process

Public Right-of-Way

To focus efforts toward facilities that pose the largest barrier within the public right-of-way, an analysis of the accessibility of each pedestrian facility and its proximity to public destinations such as schools, libraries, parks, transit, and city buildings will be completed. The result of this analysis is a prioritized list of projects, with the highest benefit projects identified for removal first.

To complete this assessment, a multi-criteria analysis is conducted to determine which facilities do not meet existing sidewalks and curb ramp standards. Each attribute collected in the field is compared against PROWAG requirements.

If the facility does not meet PROWAG criteria or is located near public destinations, points are assigned, with the number of points dependent on the relative importance or proximity. Sidewalks or curb ramps with poor PROWAG compliance and a number of proximate destinations receive a high score and are prioritized for removal while PROWAG compliant ramps far from public destinations have a score of zero. Missing curb ramps are assigned the greatest number of points.

Accessibility Prioritization (aka Accessibility Index Score)

A number of criteria are used to establish the extent to which each pedestrian facility did or did not present a barrier to accessible mobility. Table shows these criteria, the threshold used to identify them as a barrier, and the score used to indicate the severity of each barrier relative to each other. Pedestrian facilities with a higher Accessibility Index Score (AIS) presented a large accessibility barrier and have a higher score. Facilities with fewer or no barriers have a lower score.

Below is an example of typical weighted values to equal a total possible score of 30

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
Sidewalks	Width	In ROW, < 48 inches or >= 48 - <60 inches w/ out pullouts. On-Site, <36 inches	4	4
	Run Slope	> 5% (and not similar to roadway grade if in ROW)	3	3
	Cross Slope Issue	> 2%	1	3
	Cross Slope Issue	> 2.4%	1	
	Cross Slope Issue	> 3%	1	
	Condition	< Average	2	2
	Vertical Discontinuity Issue > ¼ inch and <= ½ inch without bevel or >½ inch	Barriers Present >=1	1	3
	Vertical Discontinuity Issue	Barriers Present >=5	1	
	Vertical Discontinuity Issue	Barriers Present >=10	1	
	Horizontal Discontinuity Issue	Barriers Present >=1	1	1

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
	> ½ inch			3
	Horizontal Discontinuity Issue	Barriers Present >=5	1	
	Horizontal Discontinuity Issue	Barriers Present >=10	1	
	Fixed Obstacles	Barriers Present >=1	1	
	Fixed Obstacles	Barriers Present >=2	1	
	Fixed Obstacles	Barriers Present >=3	1	
	Moveable Obstacles	Barriers Present >=1	1	
	Moveable Obstacles	Barriers Present >=2	1	
	Moveable Obstacles	Barriers Present >=3	1	
	Protruding Obstacles	Barriers Present >=1	1	
	Protruding Obstacles	Barriers Present >=2	1	
	Protruding Obstacles	Barriers Present >=3	1	
	Non-Compliant Driveways Non-Compliant >2% cross-slope, and/or Non-Concurrent Grade Break and/or >8.3% Running Slope	Barriers Present >=1	1	
	Non-Compliant Driveways	Barriers Present >=2	1	
	Non-Compliant Driveways	Barriers Present >=3	1	
Maximum Sidewalk (AIS) Score				30
Curb Ramps (Max. Score)	Ramp Width	< 48 inches	30	30
	Ramp Running Slope	> 8.3% (less than 15-ft) or >5% (Blended)	30	30
	Ramp Cross Slope Issue	> 2% - <=3%	20	30
	Ramp Cross Slope Issue	> 3%	10	
	Curb Ramp Type	Non-Compliant Type	30	30
Curb Ramps	Accessible Path	No	2	2
	Turning Space	None or width < full width of ramp or length < 48 inches	5	5
	Turning Space Cross Slope	>2%	3	3
	Flare Slope	>10%	2	2
	Receiving Ramp	No	2	2
	Truncated Domes (DWS)	No	3	3
	Truncated Domes (DWS) Placement	Other than Back of Curb	1	3
	Truncated Domes (DWS) Depth	<2 feet	1	
	Truncated Domes (DWS) Width	Less than Full Width	1	
	Grade Break	Not Concurrent	2	2
	Counter Slope	>5%	2	2
	Lip	> ¼ inch	2	2

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
	End inside of Marked Crosswalk if present	No	2	2
	Roadway Clear Space	<4ft x 4ft	2	2
	Maximum Sidewalk (AIS) Score			30
Signal Pushbuttons	Curb Distance	Pushbutton less than 10 feet from curb = No	2	2
	Crosswalk Extension Distance	Pushbutton less than 5 feet from the extension of the crosswalk line = No	2	2
	Force Less Than 5lbs	Pushbutton Force less than 5 pounds = No	2	2
	Vibe Feedback	Pushbutton provides vibratory feedback when pushed = No	2	2
	Button Size and Visual Contrast	Pushbutton size meets minimum 2-inch diameter with visual contrast from housing = No	2	2
	Distance of 2 Buttons on Same Corner	Distance between pushbuttons on the same corner less than 10 feet and audible indication of WALK interval in speech = No	2	2
	Reach Depth from Landing	Reach depth from pushbutton to the landing is less than 10 inches = No	2	2
	Mounting Height	Mounting height of pushbutton from landing area is < 42 inches or > 48 inches	2	2
	Tactile Arrow	Tactile Arrow provided = No	2	2
	Directional Arrow	Directional arrow on pushbutton face, housing, or mounting & pushbutton with parallel orientation to crosswalk direction = No	2	2
	Level Clear Space	Level clear space provided at pushbutton (min. 30" x 48") landing area provided with less than a 2% cross slope in any direction = No	2	2
	Both Audible Tone during "Walk" Cycle and Audible Speech during "Walk" Cycle	Audible indication of WALK interval in tone = No and Audible indication of WALK interval in speech = No	2	2
	Locator Tone during "Don't Walk" Cycle	Locator tone operates during DON'T WALK and flashing DON'T WALK intervals = No	2	2

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
	Braille Street Name	Braille correctly showing street name = No and audible indication of street name at any time = No	2	2
	APS Style Housing	Housing is APS Style = No	2	2
	Maximum Signal Pushbutton (AIS) Score			30
Crosswalks	Width	< 6 feet	6	6
	Run Slope	> 5%	12	12
	Cross Slope	> 5% at Non-Stop/Yield Controlled Intersections or > 2% at any other type except for mid-block crossings	12	12
	Maximum Crosswalk (AIS) Score			30
Bus Stops	Boarding Area Dimensions	< 5'x8' or no boarding area	8	8
	Condition	Poor	5	5
	Boarding Area Cross Slope	> 2%	5	5
	Boarding Area Run Slope	> 5% and not similar to roadway grade	4	4
	Accessible Route Slope	> 5% and not similar to roadway grade (if separation between boarding area and shelter)	4	4
	Shelter Cross Slope	> 2% (If there is a shelter)	4	4
	Maximum Bus Stop (AIS) Score			30
Parking Stalls	Stall Width	If regular stall, < 96 inches. If van accessible stall, < 132 inches and adjacent aisle is < 96 inches.	4	4
	Stall Turning Slope	> 2%	4	4
	Stall Pavement Marking	No Marking	3	3
	Sign Present	No Sign	2	2
	Sign Height	< 60 inches	1	1
	Wheelstop or Curb Present	No Wheelstop/Curb (and not a parallel stall)	2	2
	Vertical Clearance	< 98 inches and a van accessible parking stall	2	2
	Adjacent Walkway Width	For parallel on-street parking with a sidewalk <= 14 feet wide nearby, stall is not at end of block. If sidewalk is > 14 feet wide, no access aisle provided in	2	2

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
		road parallel to stall or access aisle is < 5 feet wide.		
	Connected to Access Aisle (Max. Score)	No Access Aisle	10	10
	Connected to Accessible Path	Not Connected	2	
	Access Aisle Width	< 60 inches	3	
	Access Aisle Turning Slope	> 2%	3	
	Pavement Marking	No Hatching	2	
	Maximum Parking Stall (AIS) Score			
Pedestrian Railroad Crossings	Flange Gap	> 3 inches wide	10	10
	DWS	No DWS	10	10
	DWS Placement	< 6 feet or > 15 feet from edge of nearest rail, or No DWS	10	10
	Maximum Railroad Crossing (AIS) Score			

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
ADA Parking Stalls	Stall Width	If regular stall, < 96 inches. If van accessible stall, < 132 inches and adjacent aisle is < 96 inches.	4	4
	Stall Turning Slope	> 2%	4	4
	Stall Pavement Marking	No Marking	3	3
	Sign Present	No Sign	2	2
	Sign Height	< 60 inches	1	1
	Wheelstop or Curb Present	No Wheelstop/Curb (and not a parallel stall)	2	2
	Vertical Clearance	< 98 inches and a van accessible parking stall	2	2
	Adjacent Walkway Width	For parallel on-street parking with a sidewalk <= 14 feet wide nearby, stall is not at end of block. If sidewalk is > 14 feet wide, no access aisle provided in road parallel to stall or access aisle is < 5 feet wide.	2	2

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
	Connected to Access Aisle (Max. Score)	No Access Aisle	10	10
	Connected to Accessible Path	Not Connected	2	
	Access Aisle Width	< 60 inches	3	
	Access Aisle Turning Slope	> 2%	3	
	Pavement Marking	No Hatching	2	
	Maximum Parking Stall (AIS) Score			
Wheelchair Ramps	Rise	> 30 inches	3	3
	Run Slope	> 8.3%	3	3
	Cross Slope	> 2%	3	3
	Width	< 4 feet if in ROW, < 3 feet if on-site	3	3
	Top Landing Length	< 5 feet or no top landing	1	1
	Bottom Landing Length	< 5 feet or no bottom landing	1	1
	Top Landing Width	< Ramp width or < 5 ft if ramp requires change in direction at landing or no top landing	1	1
	Bottom Landing Width	< Ramp width or < 5 ft if ramp requires change in direction at landing or no bottom landing	1	1
	Top Landing Cross Slope	> 2% or no top landing	1	1
	Bottom Landing Cross Slope	> 2% or no bottom landing	1	1
	Extended Ramp Surface/Edge Barrier	No extended ramp surface or < 12 inches and no barrier or barrier opening >= 4 inches	1	1
	Grade Breaks	One or both ends not concurrent	1	1
	Handrail Placement (Max. Score)	No handrails present and rise > 6 inches	10	10
	Handrail Placement	Handrail on one side only and rise > 6 inches	2	
	Handrail Height	< 34 inches or > 38 inches	1	
	Handrail Clearance	< 1.5 inches	1	
	Handrail Grip Surface Obstructed	> 20% obstructed	1	
	Handrail Cross Section	If circular, diameter < 1.25 inches or > 2 inches If non-circular, perimeter < 4 inches or > 6 inches	1	
	Handrail Top Extension Slope	Not horizontal and/or doesn't begin at first	1	

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
		nosing, or no top extension		
	Handrail Top Extension Length	< 12 inches	1	
	Handrail Bottom Extension Slope	Not horizontal and/or doesn't begin at bottom of ramp, or no bottom extension	1	
	Handrail Bottom Extension Length	< 12 inches	1	
	Maximum Wheelchair Ramp (AIS) Score			
Staircases	Riser	< 4 inches or > 7 inches	4	4
	Tread	< 11 inches	4	4
	Tread Cross Slope	> 2%	3	3
	Contrasting Strip	If no contrasting strips and staircase within ROW	2	2
	Contrasting Strip Placement/ Width/ Length	If there are strips and they're placed elsewhere than front of steps AND/OR If there are strips and they're < 2 inches AND/OR If there are strips and they're less than the full width of each step	1	1
	Nosing Radius	> 0.5 inches	2	2
	Riser Slope	> 30 degrees	2	2
	Tread Projection	> 1.5 inches	2	2
	Handrail Placement (Max. Score)	No handrails present	10	10
	Handrail Placement	Handrail on one side only	2	
	Handrail Height	< 34 inches or > 38 inches	1	
	Handrail Clearance	< 1.5 inches	1	
	Handrail Grip Surface Obstructed	> 20% obstructed	1	
	Handrail Cross Section	If circular, diameter < 1.25 inches or > 2 inches If non-circular, perimeter < 4 inches or > 6 inches	1	
	Handrail Top Extension Slope	Not horizontal and/or doesn't begin at first nosing, or no top extension	1	
	Handrail Top Extension Length	< 12 inches	1	
	Handrail Bottom Extension Slope	Not same slope as stairway or no bottom extension	1	

ACCESSIBILITY INDEX SCORE	CRITERIA	THRESHOLD	SCORE	MAX. POSSIBLE SCORE
	Handrail Bottom Extension Length	< Tread width	1	
	Maximum Staircase (AIS) Score			30

Location Prioritization (aka Location Index Score)

A number of destinations are used to identify high priority pedestrian facilities within the City. This is done by identifying public destinations such as public buildings, transit and parks and identifying pedestrian facilities within close proximity of one or more of these destinations.

Pedestrian facilities within the identified proximity were assigned points based on each destination they were close to, as shown in Table. This measure is called the Location Index Score (LIS), which identifies high pedestrian generating overlapping areas. Ultimately the more pedestrian generating areas an asset is within, the higher number. Community Defined Destinations criteria is added to the Location Index Score (LIS) following comments and results received from open house attendees, City staff, other stakeholders during engagement and public outreach. This assists in factoring in what’s important to the citizens and community to help with the overall prioritization.

Below is an example of typical weighted values to equal a total possible score of 45

LOCATION CRITERIA	RATING CRITERIA	POSSIBLE SCORE
Schools		
Proximity to Schools	Within 1/8-mile radius of school	5
Walk-To-School Route Proximity	Within 1/2-mile radius of school	5
Parks		5
Within 1/8-mile radius of park		
Transit		
High-Capacity Transit / Park and Ride	Within 1/8-mile of park and ride or high-capacity transit	5
Bus Stops	Within 1/8-mile of transit stop	5
Traffic Signal/Roundabout		5
Within 1/8-mile of signal or roundabout		
Public Buildings		5
Within 1/8-mile of location		
Downtown / Urban / Commercial Business Centers		5
Within 1/4-mile radius of Downtown, Urban and Commercial Business Center Zoning		
Community Defined Destinations (defined by Stakeholder/Public Engagement*)		5
Within 1/8-mile of location		
TOTAL LOCATION INDEX SCORE (LIS)		45

* Note: Community Defined Destinations to be identified based on public outreach, ADA surveys, etc. on what locations are more important, thus giving extra weight to those community defined destinations. (To be determined)

Barrier Removal Priorities (Combined Composite Index Score)

By combining the Accessibility Index Score and Location Index Score, a Combined Composite Index Score was developed. Together, these measures prioritize barrier removal at locations where pedestrian facilities present a barrier and where pedestrians would be expected.

Facilities with the highest score should be addressed first (46+ points) and represent facilities that present a clear physical barrier and are in high-demand areas. Facilities with lower scores should be address last (0 to 15 points), have minor barriers, and are in locations where pedestrian demand would be expected to be lower. These scores are relative, comparing one facility to the other. The ranges for medium and high priority were defined based on review of the identified barriers and assessment of the relative barrier they present. It should be noted that while some barriers have a lower priority, they still should be removed.

Public Parks & Buildings

Parks & Building Accessibility Index Score

The Department of Justice (CFR Title 28) provides criteria to be used to establish the priority of each type of barrier. As barriers are identified during the self-assessment, priority levels are assigned and recorded for each barrier. Once the self-assessment is complete, a Park & Building Accessibility Index Score (PBAIS) is calculated for each barrier based on its assigned priority level. Facilities with a higher PBAIS score represent higher priority barriers while facilities assigned lower priority levels have a lower score. Table 3 shows the priority levels and the number of possible points assigned to barriers for each priority level.

PUBLIC PARKS & BUILDING ACCESSIBILITY INDEX SCORE	RATING CRITERIA	POSSIBLE SCORE
Priority 1	Provision of access to a place of public accommodation from public sidewalks, parking or public transportation. (entrance ramps, widening entrances, accessible parking etc.)	30
Priority 2	Provision of access to those places where goods and services are made available. (revising interior routes, adjusting layout of tables, signage, doorways and ramps)	20
Priority 3	Provisions of accessible restrooms. (Widening doorways, widening restroom stalls,	10
Priority 4	Modifications to provide access to the goods, services, facilities, privileges, advantages, or accommodations. (public phones, water fountains etc.)	0
TOTAL PUBLIC PARKS & BUILDING ACCESSIBILITY INDEX SCORE (PBAIS)		30

Parks & Building Location Index Score

Similar to the Location Index Score for Public ROW, each barrier for parks and buildings are assigned a LIS based on the relative importance of the facility in which the barrier is located. Several criteria are used to identify high priority facilities within the City with points awarded for each criterion. Values can be revised per comments received from open house attendees, City staff, other stakeholders during engagement and public outreach. Below is an example of typical weighted values to equal a total possible score of 45.

PUBLIC PARKS & BUILDING CRITERIA	RATING CRITERIA	POSSIBLE SCORE
Level of Public Use	Low(2) Medium(5) High(8)	8
Unique Public Programs	Facility with unique public programs (Y/N)	7
Critical Public Programs	Low(2) Medium(5) High(8)	8
Public Input / Identified Complaints	Facility has been identified to be an issue by public complaints (Y/N)	7
Social Equality	Facility serves historically underserved populations (Y/N)	7
Level of Investment	<\$500(8) <\$5,000(5) >\$5,000(2)	8
TOTAL PARKS & BUILDING LOCATION INDEX SCORE (PBLIS)		45

Barrier Removal Priorities (Combined Composite Index Score)

By combining the Accessibility Index Score and Location Index Score, a Composite Index Score is calculated. Together, these measures prioritize barrier removal at locations where pedestrian facilities present a barrier and where pedestrians would be expected.

Facilities with the highest score should be addressed first (46+ points) and represent facilities that present a clear physical barrier and are in high-demand/high-importance locations. Facilities with lower scores should be address last (0 to 15 points), have minor barriers, and are in locations where pedestrian demand would be expected to be lower. These scores are relative, comparing one facility to the other. The ranges for medium and high priority were defined based on review of the identified barriers and assessment of the relative barrier they present.

School Buildings & Common Areas

School Buildings & Common Areas Accessibility Index Score

A number of criteria are used to identify high priority facilities on the UW Bothell/Cascadia Community College campus. This was done by identifying buildings, and common areas and how much the facility is utilized by the public.

Facilities identified were assigned points based on each several criteria, as shown in Table 5. This measure was called the Building and Common Area Accessibility Index Score (BCAIS). Intermediate scores may be used for buildings that may lay between the designated priority levels, if a building falls between two designated levels, use the value midway between the designated possible scores. For example, a score of 25 would be given to a building that is between Priority 1 and 2. Facilities with a higher BCAIS values presented a large accessibility barrier, facilities with fewer or no barriers have a lower scores.

BUILDINGS & COMMON AREA ACCESSIBILITY INDEX SCORE	RATING CRITERIA	POSSIBLE SCORE
Priority 1	There are no accessible bathrooms or classrooms.	30
Priority 2	At least one accessible bathroom and one accessible general education classroom exist on the ground floor.	20
Priority 3	Certain public assembly areas or classrooms may not be accessible due to changes in elevation or other barriers.	10
Priority 4	All educational and primary function areas within the building are accessible.	0
TOTAL BUILDINGS & COMMON AREA ACCESSIBILITY INDEX SCORE (BCAIS)		30

School Buildings & Common Areas Location Index Score

Facilities identified were assigned points based on each several criteria, as shown in Table 6. Buildings and common areas are assigned scores based on the presence of different facilities, as shown in Table 6, regardless of the accessibility of the facility in question. For example, a building that contains admin facilities, classrooms, and study rooms would receive a score of 23 even if the admin facility is the only inaccessible area. Very few buildings are expected to receive maximum scores, as such higher values were assigned to higher priority facility types. Facilities may be reordered based on student or institution comments.

BUILDINGS & COMMON AREA LOCATION INDEX SCORE	RATING CRITERIA	POSSIBLE SCORE
Admin Facilities		10
Faculty Offices		8
Classrooms		7
Library/Study Rooms/Computer Lab		6
Student Gathering Areas		5
Dining/Food Service Facilities		4
Housing		3
Maintenance Facilities		2
TOTAL BUILDINGS & COMMON AREA LOCATION INDEX SCORE (BCLIS)		45

Barrier Removal Priorities (Combined Composite Index Score)

By combining the BCAIS and the BCLIS together, a Composite Index Score (CCIS) was developed. Together, these measures prioritize barrier removal at locations where pedestrian facilities present a barrier and where pedestrians would be expected.

Facilities with the highest score should be addressed first (46+ points) and represent facilities that present a clear physical barrier and are in high-demand areas. Facilities with lower scores should be address last (0 to 15 points), have minor barriers, and are in locations where pedestrian demand would be expected to be lower. These scores are relative, comparing one facility to the other. The ranges for medium and high priority were defined based on review of the identified barriers and assessment of the relative barrier they present. It should be noted that while some barriers have a lower priority, they still should be removed.

Appendix D - Facilities & Parks Survey Report



City of Mercer Island, WA
ADA Accessibility Survey Report



Prepared for
Transpo Group
12131 113th Avenue NE, #203
Kirkland, WA 98034

Attn: Mr. Ryan Peterson

Submitted on December 1, 2021

**ENDELMAN
& ASSOCIATES** PLLC
Accessibility Consulting | ADA-FHA Compliance

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December 1, 2021

Attn: Mr. Ryan Peterson
Transpo Group
12131 113th Ave. NE
Kirkland, WA 98034

Via Email: Ryan.Peterson@transpogroup.com

Re: Proj07 – ADA Facility Survey Report
City of Mercer Island, Mercer Island, WA
E&A Project #20.1036.6

Dear Ryan:

Endelman & Associates PLLC (E&A) is pleased to present this ADA Facility Survey Report in PDF format. This report is an assessment of compliance of the vertical elements only of select City of Mercer Island facilities with the Americans with Disabilities Act using the 2010 Standards for Accessible Design, as discussed more fully in the Overview / Executive Summary section. We trust you will find the report thorough and useful.

The Overview / Executive Summary explains the survey context. This leads to an important recommendation: E&A recommends that anyone receiving a copy of any portion of the report data be provided the Overview / Executive Summary section. This section answers many questions and helps ensure that the data is used properly.

It has been our pleasure working with you, and we will be glad to provide you with any clarifications you require regarding the contents in our report.

Sincerely,

Jody L. Meldrum
Consultant

David Machemer
Senior Consultant

Bart Sanderson, CASp
Associate, Technical Director

Transpo-Proj07-CityofMercerIsland-ADASurvey-CvrLtrFINAL



**City of Mercer Island, WA
for
Transpo Group
ADA FACILITY SURVEY REPORT**

Prepared by: Endelman & Associates PLLC – December 1, 2021

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Section 2 - APPENDIX / LEGEND

- A. Abbreviations
- B. Legend for the ADA Survey Results

Section 3 - ADA SURVEY RESULTS

Matrix followed by Captioned Photo Pages for each location



For each of the following facilities, sorted by location #, a detailed Matrix of observed issues and captioned photo pages have been provided, in the following order.

1	77th Avenue SE Landing
2	Aubrey Davis Park
3	Bicentennial Park
4	Boat Launch
5	Calkins Landing
6	Clarke Beach
7	Clise Park
8	Community and Events Center
9	Deane's Children's Park
10	Ellis Pond
11	First Hill Park
12	Forest Landing
13	Franklin Landing
14	Fruitland Landing
15	Garfield Landing
16	Groveland Beach
17	Homestead Park
18	Island Crest Park
19	Lincoln Landing
20	Luther Burbank Park
21	Luther Burbank Park Administration Building & Caretaking Facility
22	Main Fire Station #91
23	Maintenance Hall
24	Mercer Island City Hall
25	Mercerdale Park
26	Miller Landing
27	Pioneer Park



28	Proctor Landing
29	Roanoke Landing
30	Roanoke Park
31	Rotary Park
32	Secret Park
33	Slater Park
34	South Fire Station #92
35	South Mercer Playfields
36	Wildwood Park
37	Youth and Family Services Thrift Shop & Recycling Center



Transpo Group
City of Mercer Island, WA
ADA FACILITY SURVEY REPORT

Prepared by: Endelman & Associates PLLC – December 1, 2021

I. OVERVIEW / SCOPE OF SERVICES

Transpo Group contracted with Endelman & Associates PLLC (E&A) to perform an Americans with Disabilities Act (ADA) Survey of vertical elements for public areas of 37 facilities owned by the City of Mercer Island, WA. This ADA Facility Survey Report is an effort to identify observed barriers to program accessibility in the public areas of existing City facilities for compliance with the “program accessibility” requirements of Title II of the ADA.

As per our specific scope of work, E&A did not cite “horizontal elements” such as number of and requirements for parking spaces, access aisles, curb ramp and accessible routes, including stability of surface, level changes, slopes, stairs, ramps, and handrails.

E&A is responsible for citing “vertical elements” (excluding handrails at stairs) including buildings, toilet rooms, benches, drinking fountains, trash, recycling and dog waste receptacles, play areas, bleachers, dugouts, picnic shelters and tables, boardwalks, raised patios, and signage. Accordingly, when an element is located along an unpaved path, E&A cites the element and any clearances required, but not the path itself, which is beyond our scope of work. However, when an element is not located adjacent an accessible pathway, E&A cites clearances and the accessible route from the nearest path (regardless of whether that path is currently paved) up to elements in a given area.

When vertical elements are adjacent to an unpaved path that would be difficult to make readily accessible (such as a grade that is too steep or uneven from roots or large stones), E&A assumes these elements will not be made accessible and does not cite elements on such an inaccessible pathway.

It is important to understand the facilities are one component of City program accessibility, and E&A’s scope of work is limited to facility access only. Additionally, there may be many available programmatic solutions for facility access, such as relocating programs to alternate accessible locations. However, the focus of this report is on removing physical barriers at each facility in order to provide enduring program access.

This ADA Facility Survey was performed to assess observed barriers under the ADA located in areas and facilities accessible to the public. Employee-only (or staff areas) were not assessed or part of E&A’s scope of work. Specifically excluded are assessments of staff-only (employee) areas where the public is not given self-directed access. Under Title I of the ADA, the City must make “reasonable accommodation” to employees with disabilities. However, staff-only areas are beyond E&A’s scope of work. In facilities subject to the ADA the common areas of the employee areas fall under Title II. Corridors, toilet rooms, kitchenettes, and break rooms are considered “common areas” for which Title II is applicable).



E&A is also providing preliminary “Recommended Solutions” to remove each barrier, along with itemized budget costs. Title II of the ADA requires Owners to remove barriers to programs over time to the extent that it is “does not cause an undue burden.” In this report, the “Owner” refers to the City of Mercer Island.

This report does not evaluate whether the facility was constructed in full compliance with the applicable building code accessibility provisions in force at the time of the original permit, or during any subsequent renovations. Note building code accessibility compliance is not enforced retroactively. However, ADA compliance is retroactive and is a civil rights law that presents the biggest exposure from a risk management perspective. It is important to note that in obtaining a building permit for any areas to be renovated for ADA compliance, there may be some more stringent dimensional aspects under the current building Code that would also apply.

This survey does not address “auxiliary aids” or operational issues ensuring that people with disabilities are not denied equivalent services, such as provision of interpreters or braille printed material.

The field ADA Facility Surveys for the properties were conducted using proven ADA Survey instruments and calibrated measurement tools. Collected data was reviewed and analyzed, and recommended preliminary solutions were developed and are presented in this ADA Facility Survey Report. We used E&A’s custom Survey Solutions™ software database to generate the ADA Survey Results section. The field ADA Surveys were performed during June, July, and August 2021.

Please see Section III, ADA Survey Report, for details and format. Each item in the ADA Survey Results for each facility that follows this Overview & Executive Summary includes the *2010 ADA Standards for Accessible Design Citation (ADAS)*, the *Observed Barrier, Location, General Priority (PR)*, a *“Sufficiency” Code*, and a *Comments* field per item. (Please see “Survey Legend” in Appendix B for definitions.)

The Report includes captioned photographs of typical or unique conditions.

ADA Survey Standard

This survey is an assessment to determine compliance with ADA using the 2010 ADA Standards. The 2010 ADA Standards for Accessible Design (ADAS), and Regulations under 28 CFR Part 36, were adopted 09/15/10 to replace the original 1991 ADA (with its ADA Accessibility Guidelines [ADAAG] Appendix section revision dated July 1, 1994). Under Title II, there was an 18 month “grace period” which has expired, during which the 1991 Standards or the 2010 ADA Standards (ADAS) may be used. A single standard must be selected in its entirety for ADA compliance of all elements of a facility, and “cherry picking” portions of each is not permitted. The project was surveyed using the new 2010 ADAS in full force effective March 15, 2012.

All facilities built after January 23, 1993 should have been constructed in full compliance with the ADA per the 1991 Standards. Per Title II of the ADA, existing public sector facilities are subject to the continuing obligation to make facilities readily accessible to the extent that is not structurally impracticable.



The new regulations offer “safe harbor” for “elements” that were built or altered between 1992 and 2012 and that conform to the original 1991 ADA Standards. Any such elements that meet the 1991 Standards can remain in place indefinitely until such time as they are physically altered. As an example, light switches installed at 54 inches above the floor in conformance with the old ADAAG may remain in place until they are altered in future remodeling projects, even though the 2010 ADAS require light switches to be installed no higher than 48 inches above the floor.

In some instances, the 2010 ADAS is more stringent, but in other instances, the 2010 ADAS is less stringent than the original ADAAG, and in these cases accessibility can be reduced to the level of the 2010 ADAS. As an example, the location of an accessible toilet centerline in the original ADAAG must be 18” exactly to a side wall. In the 2010 ADAS, the toilet may be between 16” and 18” to the side wall.

There are also 14 new scoping elements that must comply now with the 2010 ADAS that did not appear at all in the original ADAAG. The 14 new scoping areas include some items that apply to these facilities:

(A) Residential facilities and dwelling units (B) Amusement rides, (C) Recreational boating facilities, (D) Exercise machines and equipment, (E) Fishing piers and platforms, (F) Golf facilities, (G) Miniature golf facilities, (H) Play areas, (I) Saunas and Steam rooms, (J) Swimming pools, wading pools, and spas, (K) Shooting facilities with firing positions (L) Miscellaneous - (1) Team or player seating, (2) Accessible route to bowling lanes, (3) Accessible route in court sports facilities.

II. OVERVIEW OF ADA REQUIREMENTS

A. BACKGROUND

The ADA is civil rights legislation designed to extend civil rights protection to persons with disabilities. It is not a building code, although many of the technical requirements in the ADAAG and 2010 ADAS resemble technical standards of a building code. It is primarily administered by the US Department of Justice (USDOJ). A complaint can be filed by any person, and fines and other penalties may be assessed as determined by the USDOJ. In addition, the ADA includes a mechanism for the USDOJ’s approval of local codes to be consistent with the requirements of the ADA.

There are four Titles to the ADA:

Title I Employment – Prohibits discrimination in hiring and requires employers to provide "reasonable accommodation" to disabled individuals with respect to job description and the workplace. Employment accessibility is/was not included in the E&A scope of work and is not part of this report.

Title II Public Services and Transportation – Prohibits state and local governments from discrimination by requiring "program accessibility." Program accessibility can be attained by rescheduling and/or relocating programs to accessible locations or by making physical facility changes, called "structural changes" in the ADA. Program accessibility must be achieved to the extent that it does not cause "an undue burden," a significantly higher



standard than "readily achievable," applicable under Title III, which applies to privately owned "public accommodations." The City Owned Facilities surveyed for this report fall under Title II.

Title III Public Accommodations – Places of public accommodations are required to be made accessible where "it is readily achievable," with a deadline for existing facilities as of January 26, 1992. Title III is applicable to the private sector.

Title IV Telecommunications – Applies to companies providing telephone service to the public. They must offer telecommunications devices for the deaf (TDD'S), or other equipment.

Title II applies to the ADA Surveys of Public Spaces as part of the City's "program."

Under Title II, the ADA requires public entities to remove barriers in their existing programs *to the extent that it does not cause an "undue burden."* In preparing this report, E&A was not provided confidential information on the details of the City's finances and/or annual budgeting. Therefore, it is the responsibility of the City to make the final determination of what constitutes an "undue burden" for the entity of a given year. In addition, the ADA is designed so that accessibility can be achieved over the long term. This means what is not achievable in year one (based on what constitutes an "undue burden") may be achievable at a future point in time.

Because E&A did not survey areas within staff spaces, E&A is not addressing any potential Title I Employee issues that may be required as "reasonable accommodation" to any disabled employees.

B. TECHNICAL REQUIREMENTS / STANDARDS

The ADAS is the current technical accessibility standard applicable when constructing new public accommodation facilities or altering existing facilities. These standards apply retroactively in requiring owners to remove barriers to existing facilities.

When implementing solutions to barrier removal, as an alternative to literally complying with a technical standard cited in 2010 ADAS, the ADA allows for an "equivalent facilitation" to accomplish barrier removal. This is acceptable to the extent that such action provides greater or equal access. For example, a pharmacy may provide a free prescription drug delivery service in lieu of renovating the entry to the pharmacy. However, the Owner should be aware that providing "operational solutions," rather than physical facility solutions, is a less enduring approach to barrier removal and may require continued training, monitoring and enforcement of staff operations.

State and local code requirements apply to buildings constructed or renovated under a building permit. These may also apply if, and when renovations are made to remove barriers. As previously stated, E&A assessed for compliance with the currently enforceable 2010 ADA Standards only. Building code compliance is not applied retroactively, unlike the ADA. Fortunately, ADAS requirements and the current building code are an estimated 95% identical.



In addition, ADA Title II requires that the program of the trail system must be accessible. However, the 2010 ADA Standards do not yet address Developed Outdoor Recreation Areas, such as trail systems, and only detail more typical building and site standards, within property lines. Thus, Title II puts public entities in a difficult position – to make entity programs accessible without standards yet detailing what is compliant. Developed Outdoor Recreation Area standards have been under development for over 20 years with participation from a wide range of stakeholders and are proposed at some future date to be adopted by the Department of Justice as law, thus providing the necessary technical standards.

As of this date, these standards have been adopted by DOJ only for federal lands, and not for other public entities. In absence of any other adopted reasonable standard for trails, E&A recommends the City of Mercer Island use these same standards for technical compliance of the trail and link. No one can then argue whether the most carefully developed and reasonable standards have been applied, despite not being formally adopted for use by the City.

C. GENERAL PRIORITIES UNDER THE ADA

The ADA provides general priorities in 28 CFR Part 36.304(c) as guidance only for barrier removal in public accommodations (Title III). These would also be reasonable to apply to public entity facilities as well to help prioritize program access per Title II. These are not mandatory priorities, but rather, general guidance as to relative importance. As the Owner makes a determination of phasing and implementation priorities for barrier removal, E&A recommends taking the ADA general priorities into account, along with other factors including budget, operational issues, and public usage data. In this report E&A has assigned these ADA general priorities (PR) to each noted barrier for guidance only. As part of a transition plan, it is the City’s responsibility to further prioritize removal of barriers to program based upon finances and program priorities to the extent that it does not cause an “undue financial burden.”

ADA Priorities per 28 CFR Part 36.304(c)	
1	Provision of access to a place of public accommodation from public sidewalks, parking, or public transportation. These measures include installing entrance ramps, widening entrances, and providing accessible parking spaces/signage.
2	Provision of access to those places where goods and services are made available. These measures include revising interior routes, adjusting the layout of tables, providing Braille and raised character building signage, widening interior doors, and installing ramps.
3	Provision of accessible restrooms, such as removal of obstructing items on the route to the restroom, widening of restroom doors, widening of toilet stalls, provision of accessible plumbing fixtures, and installation of grab bars.
4	Making other modifications to provide access to the goods, services, facilities, privileges, advantages, or accommodations, such as accessible public phones and water fountains.



III. ADA FACILITY SURVEY REPORT OVERVIEW

A. REPORT CONTENTS AND FORMAT

This report is based upon field observations of barriers, as defined by the currently enforceable 2010 ADA Standards (28 CFR Part 35). The complete report for each facility includes the following:

1. The *Overview/ Executive Summary* includes the essential *Assumptions* sections
2. The *Appendix* includes an *ADA Survey Results Legend* and *Abbreviation List*
3. The *ADA Survey Results* is the detailed report of the barriers observed at each facility, with citations, and comments on ADA compliance. Please reference the *ADA Survey Results Legend* for more information on reading the report.
4. The *Captioned Photo Pages* is provided for each facility for illustrative purposes. Photos are not intended as comprehensive documentation.

All Report data is being provided in electronic format, either on our customer accessed web-based version of the Survey Solutions database or exportable to MS Excel, for the Owner to use in managing a barrier removal program.

B. ASSUMPTIONS & CONSIDERATIONS

This report divides Assumptions and Considerations into three categories: *Facility*, *General*, and *Technical*.

Facility Assumptions

These assumptions are specific to this Transpo Group / City of Mercer Island project.

1. *Public Use* – E&A treated the term “public” to mean facilities used by “other than City employees only.” This may include City residents, school groups, vendors, and other similar outside users.
2. *Operations and Program Information* – E&A was provided with limited program information concerning facility operations. Solutions for barrier removal were developed based upon our observations of existing conditions and the program information provided.
3. *Department Office Spaces* – This ADA Facility Survey Report addresses public program areas of facilities. In a typical administrative office, this might include a public information counter and/or a conference room (spaces where the public may be directed unescorted). E&A did *not* survey staff areas unless noted herein. If the public is allowed into these areas, the assumption is that the public would only do so in an escorted manner, where any assistance (such as an inaccessible door knob) could be provided by the person escorting. Title I of the ADA covers employee issues, and the city needs to make reasonable accommodations to employees with disabilities, on a personal basis, not a prescriptive standard.
4. *Properties Surveyed* – The list of properties surveyed was selected by the City.



5. *Public Rights-of-Way* – The surveys by E&A did not include the public right-of-way sidewalks and curb ramps. Public right-of-way sidewalks and curb ramps are part of the City’s program but are beyond the scope of this survey and report. Refer to the Transpo report for these areas. Note that final technical standards for public rights-of-way have not been issued by the Access Board or adopted by DOJ at this time. The Proposed standards (commonly called PROWAG) are in draft form only and should be used only for guidance. ADAS is recommended for use as a reasonable standard to the extent technically feasible, and E&A used this standard in our survey.
6. *Park Facilities* – Note that technical standards for outdoor developed public recreation areas have not been issued by the Access Board or adopted by DOJ at this time. Specifically excluded from this survey are outdoor trails. Vertical elements that are provided within these areas were only assessed if applicable for height and clear floor space. ADAS is recommended as a reasonable standard to the extent technically feasible, and E&A used this standard in our survey for accessible routes in developed areas of the park. For undeveloped areas of the park where trails exist, we recommend using the outdoor recreation standard as described above.
7. *City Policies for Equivalent Facilitation* – E&A is not aware of any formal or informal policies currently used in facilities to provide an equivalent facilitation. E&A recommends all such operational policies be formally adopted in writing, and signage be posted in a conspicuous location to allow customers to note such available equivalent services
8. *E&A Recommended Solutions* – The solutions proposed in our survey are recommendations based upon survey observations and our experience, and do not reflect any design study. There may be alternative compliant solutions. For some items, E&A indicated “further design study required” where the solution requires detailed study, or where there is no obvious solution. In retrofits, accessibility must be provided to the maximum extent technically feasible. Proposed solutions also may not take into account notable aesthetic considerations which could modify or increase the cost of implementing the solution in an acceptable way.
9. *Door Maneuvering Space* – E&A’s report uses the term “level” for door maneuvering space, clear floor space, and landings at ramps. In this context “level” means having a slope in all directions no more than 2% (1:48) per ADAS requirements, which is a slope of 1/4” per foot. This is considered level per ADAS.
10. *Plumbing Fixture Counts* – E&A did not perform an analysis of plumbing code requirements to determine if the minimum number of plumbing fixtures is provided in each room or space.
11. *Owner Items* – Some recommendations indicate “Owner Items” and carry no cost for removal. Since the City maintains in-house forces that may be responsible for general building maintenance and small projects, it will be more cost efficient to have City staff address these relatively minor issues.
12. *Public Areas versus Staff Areas* – Only public areas were surveyed for purposes of identifying and correcting barriers as part of this survey. Staff work areas would be included as part of a reasonable accommodation per Title I of the ADA.



13. *Vehicle Charging Stations* – There are currently no enforceable standards for charging stations. E&A recommends that where provided, an accessible route from the building entry be provided to the charging stations. This is to include a 60” access aisle on one side that will give access to the charger. E&A also recommends having the operable control within the required reach range.
14. *Specific Facility Assumptions* – Refer to below for specific assumptions and for specific horizontal elements not surveyed as part of E&A’s scope of work.

Although E&A did not cite existing routes, E&A did cite required accessible routes where no route currently exists, such as routes to picnic tables, benches, trash receptacles, dog waste stations, beaches or play areas located in lawns or other areas with no discernable pathways leading to the elements.

E&A did not cite vertical elements for accessible parking along the street if street parking was not clearly indicated at the property.

At Luther Burbank Park, the Pea Patch did not appear to be clearly divided between individual users by easily discernable modules or areas. Accordingly, E&A only cited required accessible route the full length of the Pea Patch from south to north in the center (where clearance between patches appears widest).

At Luther Burbank Administration Building, a new elevator shaft is cited as required to provide an accessible route between floors. This requirement could potentially be satisfied (for program access) by reallocation of all programs onto the ground floor connected by accessible routes from accessible entrances.

General Assumptions

1. *Operations and Program Information* – E&A was provided limited general information concerning facility operations. The report was developed based upon E&A’s observations of existing conditions and programmatic information provided. The facilities were surveyed, and solutions derived based upon the current use as observed.
2. *ADAS Amendments* – The 2010 ADA Standards may be periodically amended by The Access Board and adopted by DOJ. The ADA Facility Survey Report and citations applied were based upon the ADAS currently enforceable by USDOJ at the time of conducting the field survey. Amendments issued in the Federal Register as adopted by the Department of Justice subsequent to the issuance of the report may affect future barrier removal plans.
3. *“Undue Burden” and Barrier Removal* – The Public Entity is solely responsible for determining when program accessibility does not cause an undue burden based upon the Owner’s current finances. Generally, where the Consultant has made a recommendation to not remove a barrier at the present time, it is only if the cost appeared extremely high *and* only if minor increased accessibility would be achieved as a result of this removal. Such recommendations should be reviewed by the Owner at intervals over time, as finances may change.



4. *Reasonable Accommodation to Employees* – Under the ADA Title I, staff areas of existing facilities need not be changed unless an employee (or potential employee) with a disability requests a reasonable accommodation be provided. Note that actual accommodations required by an individual with a disability will depend upon their specific needs. Also note that if currently designated “staff” areas were changed into designated “public” areas in the future, it may require removing additional barriers to satisfy ADA requirements for public use.
5. *Building Code* – The 2018 IBC / ICC A117.1 - 2009 with local amendments may be applicable when securing a building permit for renovations requiring such a permit. There may be some deviations from ADAS in dimensional requirements for accessibility, which should be verified prior to construction. E&A has attempted to take these into account in our recommended solutions.
6. *Code Required Accessibility Expenditures* – Alteration projects completely distinct from an ADA project may trigger the building code “percentage of cost for path of travel compliance” rules. These regulations require that a portion of the total money spent on renovation be spent to improve the accessibility of the building. Therefore, it would be prudent to evaluate the long-term facility uses and renovation plans prior to implementing ADA barrier removal, to perform work most cost effectively.
7. *No Testing of Hidden Conditions or Alarms* – Barrier removal solutions were based upon field observations of existing conditions. No testing, review of construction documents, or review of building codes was undertaken as part of this ADA Facility Survey Report. For example, grab bar reinforcing within walls was not verified by E&A to be present or tested by E&A to assure the reinforcing meets the required loads for safety. E&A did no testing of alarm systems for compliance with technical standards in ADAAG.
8. *Risk Management* – The ADA is a complex law. It contains many concepts and terms which have not been tested by actual experience or defined in the courts with respect to particular factual situations. Accordingly, E&A makes no claim, expressed or implied, that, in preparing this limited verification ADA Facility Survey Report, all barriers (to all individuals with disabilities) have been identified whose removal might be required by the ADA.
9. *Fixtures, Furniture and Equipment* – Estimated costs are budgetary only and do not include moveable fixtures, furniture, and equipment (FF&E), unless specifically noted in the Matrix.
10. *Preliminary Solutions* – Some recommended solutions are very preliminary in nature and require more detailed design study and code verification to confirm feasibility and costs. The solutions are intended to provide scoping for a designer to provide construction documents for implementation. These are generally noted in the Facility Survey data as “further design study required.”
11. *Owner Items* – Some recommendations indicate “Owner Items” and carry no cost for removal. Since the Owner maintains in-house forces that may be responsible for general building maintenance and small projects, it will be more cost efficient to have the Owner’s staff address these relatively minor issues.



The Owner is solely responsible for non-discrimination under the ADA and other applicable laws, and civil lawsuits under the ADA (frivolous or otherwise) remain possible regardless of the number or types of barriers, if any, that are removed.

E&A's recommendations should be reviewed by the Owner's legal counsel and risk management and compliance personnel. The modification work required to comply with the ADA varies according to many factors among which are the financial resources of the Owner and significance and/or severity of the barriers. The Owner's decisions regarding the scope of work to perform should be based upon the professional advice of the noted parties, along with input from the disabled community or representatives, whenever possible.

Technical Assumptions

1. *Slip Resistance* – ADAS Section 302 requires that both floors on accessible routes and floors within accessible room areas are to be slip resistant. While OSHA has considered a static coefficient of friction of 0.5 to be slip resistant, the Access Board recommends a coefficient of 0.6. Ramps require a higher slip resistance of 0.8.

There is more than one testing methodology, and the results of the different tests are not interchangeable. Tests are for dry surfaces, and do not take wet surfaces into account.

The Owner should be aware that some VCT (vinyl composition tile) and sheet vinyl floors commonly used may not have 0.6 coefficients of friction; therefore, would not be considered slip resistant under the new standard. Generally, stone, tile, wood, and vinyl floors with specified "polished" finishes are likely to not meet the slip resistant coefficient. Polishes and contaminants further exacerbate the situation, suggesting a maintenance program. Floors in wet areas, such as restrooms, are made more slippery by water and soaps. E&A recommends that detailed product information for new installations be carefully reviewed to ensure compliance. More discussion is available from the Access Board in "Technical Bulletin: Ground and Floor Surfaces" (available online at www.access-board.gov).

The Owner's cleaning and maintenance program should be reviewed in the context of slip resistance.

For the playground areas and other park features that use Engineered Wood Fiber (EWF), verify if EWF meets ASTM F 1951. Ground surfaces must be inspected and maintained regularly and frequently to ensure continued compliance with the ASTM F 1951-99 standard.

Floors and surfaces were neither tested nor specifically cited in the ADA Facility Survey Report as this testing is not included in E&A's scope of work, nor is it our technical expertise.

2. *Dimensional Tolerances* – Section 104.1.1 of the ADAS states all dimensions are subject to conventional building industry tolerances for field conditions, "except where the requirement is stated as a range with specific minimum and maximum end points."



Although many studies have been performed to determine what acceptable dimensional tolerances are, there are relatively few widely accepted tolerances. It should be noted that in the case of new construction, design documents can often lead to dimensions that exceed ADAS maximums and minimums, such as a ramp that is designed with a 1:12 slope. The contractor may construct the ramp with a slight field tolerance which results in a ramp that slightly exceeds the 1:12 slope, which is actually the maximum slope allowed by ADAS, not a desired slope. Therefore, design documents should specify maximums and minimums where applicable and also allow for field tolerances.

USDOJ's position and as specified in Section 104.1.1 of the 2010 ADAS states where a range of dimensions is cited as allowable, there is no tolerance above or below that range, because the range is the tolerance. As an example, for a ramp with a slope range greater than 5% and less than 8.33%, 8.5% would not be considered an allowable construction tolerance.

3. *Door Closers* – ADAS does not have a requirement for opening pressure for exterior hinged doors. It has been E&A's experience that existing door closers can only be adjusted to within approximately 3 - 5 lbs. of their current operating force. Accordingly, E&A may recommend replacement of door closers, as opposed to simple adjustment, where the opening pressure exceeds 8 lbs. Although the ADA does not contain a requirement for exterior doors, it has been E&A's experience that building code requirements for exterior doors is extremely necessary for many individuals to enter a building.
4. *Level Door Maneuvering Clearances / Landing* – E&A may use the term "level" for door maneuvering clearances, ramps, and landings. In this context "level" means having a slope in all directions no more than 2% (1:48) per ADAS requirements, which is a slope of 1/4" per foot.

C. BUDGET COST ASSUMPTIONS

The budget costs included in the ADA Facility Survey Report are concept level costs that are provided only to assist the Owner with establishing budgets to remove physical barriers in public accommodation areas, subject to the assumptions in this Executive Summary.

*The costs in the Survey Report are **budget** costs, **not** an estimate of probable cost, subject to the following conditions:*

Budget costs INCLUDE:

- Costs for direct material, labor, and equipment; without general contractor mark-ups for overhead and profit, general conditions, or sales tax
- Costs are based upon costs typical for the region of the facilities at the time of survey. Please refer to indexes such as the Means Construction Index to reflect changing costs over time
- Costs based upon typical costs for labor and materials for each item, given moderate quantities for typical construction types



*The following are some specific budget items **not included** in the budget costs which the Owner should consider in project budgeting, **in addition to** the costs summarized in this report.*

Budget costs DO NOT INCLUDE:

- General Contractor overhead, profit, and general conditions
- Construction Management, if used
- Design and project management fees
- Inflation factors when phasing construction over time
- Contingency for unforeseen existing conditions
- Premiums due to construction in occupied and heavily used spaces
- Premium for any potential overactive bid climate and potential high volatility and unpredictability reported for certain materials such as lumber and steel
- Potential asbestos abatement, lead paint abatement, or other environmental impact costs that may arise during accessibility renovation work
- Alternate costs that may be included in comment field, not in budget cost field
- High levels of fit, finish and detail that may be desired on an aesthetic basis
- Contingency due to future changes in the accessibility laws and codes
- Permit fees
- Sales tax
- Any in-house costs allocated to projects

D. REMOVING BARRIERS TO FACILITIES - Using This ADA Survey Report

It is important to understand that the ADA Facility Survey Report represents preliminary solutions and costs for physical facility modifications to remove barriers, as if the building were to be constructed to new compliant standards, and that it is NOT automatically necessary to remove barriers to facilities by making all these expenditures. There are also some limitations due to structural or technical infeasibility (as specifically defined in the law).

As outlined above in the requirements for Public Sector entities under Title II of the ADA, there are many ways to remove barriers to the City's programs, and program accessibility includes far more than the facility survey that is E&A scope of work under our contract.

To implement the survey information in this report, there are some important concepts to consider.

- The ADA requires that public entities perform a "Self-Assessment" and a "Transition Plan" (implementation plan). The Self-Assessment is the list of barriers. Because this ADA Facility Survey Report includes recommended solutions and itemized costs, the detailed portion of a Transition Plan is completed. The missing piece is the overview planning and prioritization and matching the needs to annual budgets. It is the City's responsibility to perform this part of the Transition Plan.



- This report provides physical facility solution to remove barriers, and such solutions are enduring solutions.
- There may be other methods to remove barriers in a compliant fashion which may be found as a result of further design study. E&A’s recommendations are preliminary, based upon observed conditions and our experience, and are NOT based upon any design work.
- Equivalent facilitation, such as providing the service in a different way, is permitted under the ADA. However, operationally dependent solutions require clear written policies, ongoing monitoring, enforcement, and training of staff, and usually cannot be depended upon to work on a long-term basis.

Alterations

Per Section 202.3 and 202.4 in the ADAS, there are some aspects worth highlighting.

- **202.3.1 Prohibited Reduction in Access** – An *alteration* that decreases or has the effect of decreasing *accessibility* of a *building* or *facility* below the requirements for new construction at the time of *alteration* is prohibited.
- **202.3.2 Extent of Application** – An *alteration* of an existing *element*, *space*, or area of a *building* or *facility* shall not impose a requirement for *accessibility* greater than required for new construction.
- **202.4 Alterations Affecting Primary Function Areas** – In addition to the requirements of 202.3, an *alteration* that affects or could affect the usability of or access to an area containing a primary function shall be made so as to ensure that, to the maximum extent feasible, the path of travel to the *altered* area, including the rest rooms, telephones, and drinking fountains serving the *altered* area, are readily *accessible* to and usable by individuals with disabilities, unless such *alterations* are disproportionate to the overall *alterations* in terms of cost and scope as determined under criteria established by the Attorney General. In existing transportation *facilities*, an area of primary function shall be as defined under regulations published by the Secretary of the Department of Transportation or the Attorney General.

IV. EXECUTIVE ACCESSIBILITY SUMMARY

ADA Surveys – Public Spaces

E&A contracted with Transpo Group to perform an ADA Facility Survey of vertical elements in public areas of 37 facilities owned by the City of Mercer Island to assess observed barriers under Title II of the ADA using the 2010 ADA Standards (ADAS) currently enforceable by the US Dept. of Justice as a technical standard. A review of accessibility issues per applicable building code was NOT part of E&A’s scope of work. Review of accessibility within staff only areas was NOT part of E&A’s scope of work. However, E&A’s proposed preliminary solutions do attempt to consider some more stringent building code dimensional requirements, where clearly applicable.

Under the ADA, the public entities need to remove barriers to programs to the extent that it “does not cause an undue burden” over time. All new construction after January 26, 1993 should have been constructed in compliance with 1991 Standards (1994 ADAAG). Please reference essential Assumptions in Section III - B above.



As previously stated, the ADA Facility Survey Report represents preliminary solutions and costs for physical facility modifications to remove barriers, as if the building were to be constructed to new compliant standards, and it is NOT automatically necessary to remove barriers to programs by making all these expenditures.

The total cost to remove all barriers to the facilities using facility modifications per the detailed reports is: \$1,303,577 subject to all the budget assumptions above. Again, this is not what it is likely to cost for full barrier removal if other operational solutions are applied where possible.

Some items that have the “general appearance or symbols of accessibility” are not compliant with the ADA standards.

Administrative spaces were viewed from the perspective of the limited areas that the public can use unaccompanied by staff. These areas are often essential interface points for public service.

Where appropriate, the City may relocate and reschedule programs to alternate accessible locations, or rethink how some services are provided. A transition plan, matching the findings to annual budgets, and an overall strategy for removal of barriers to programs must be completed.

E&A based recommendations on somewhat limited input from representatives on the sites and the City’s published information, which may not be a complete understanding of the operation. Again, the City’s judgment needs to be applied during implementation. It should be noted that there is virtually no such thing as a perfectly compliant new facility, and E&A did find some issues in the newest City facilities.

Finally, E&A recommends that the appropriate people from City departments take some time to digest the wealth of detail to understand the large picture of their operations and facility issues. The standards are not simple and implementing barrier removal should be a considered action.

E&A is providing the survey data in electronic format, with client access to our web based custom ADA Survey Solutions™ software, for Transpo Group to use in managing the process.

Endelman & Associates PLLC has been pleased to work with Transpo Group and will remain available to work with you as your future needs may require.



Overview of Findings

The following are “snapshots” of the significant issues and extent of non-compliance in the surveyed facilities. These are not intended to be complete summaries. Please see the ADA Facility Survey Report for detailed information on each facility.

77th Avenue SE Landing

An accessible route from the park entry to amenities is not provided.

Aubrey Davis Park

Bleachers at baseball diamonds require some location adjustment to provide wheelchair spaces together with companion seats (aligned with the front row) at the ends of the bleachers. Bleacher locations shall ensure accessible routes are provided in front and along sides. Signage is required for wheelchair seat areas.

Baseball team dugouts require gate openings of 32” min. width, with an 18” min. width at the gate maneuvering space on the pull side.

The play area adjacent to Feroglia Fields requires a compliant ramp.

Restrooms require some adjustment of fixture locations as well as replacement of grab bars (which are too short), and relocation of dispensers encroaching on grab bar clearances and mirrors mounted at non-compliant heights.

Bicentennial Park

Restrooms require compliant signage, including Braille. Restroom door closers require adjustment to minimize force required to open.

Restrooms require some adjustment of fixture locations and heights, and stall partition sizes. New grab bars are required. Dispensers require relocation within accessible reach ranges. The mirror in the Men’s restroom is mounted at a non-compliant height. Men’s restroom floor has an excessive slope.

Boat Launch

The slope of the existing gangway to the floating boat launch pier is too steep.

Revise life jacket hook heights to provide one of each type at an accessible height.

Calkins Landing

An accessible route is required from the end of the sidewalk (at the picnic table) to the beach area.

The beach is accessed by stairs only. A ramp may be required.

Clarke Beach

Restrooms and changing rooms are substantially non-accessible.



Clise Park

No vertical elements were observed requiring attention.

Community and Events Center

The Game Room and Landing Room have multiple tables and seating areas, none of which provide accessible work surfaces with compliant knee and toe space below.

The meeting rooms on the entry level have countertops with sinks exceeding the 34" max. accessible height and no knee and toe space below for a forward approach.

The Slater Room is used for public functions and has a unisex restroom with 2 toilet compartments with solid walls extending to the floor. The depth of the accessible toilet compartment is too small unless toe clearance 9" high is provided.

Deane's Children's Park

Play areas require ramps at the entries.

The restroom entry requires new exterior surface to provide a compliant door maneuvering clearance. Restroom signage is non-compliant. The restroom requires revised rear wall behind the toilet and replacement of grab bars. The toilet and lavatory are not accessible. The mirror and baby changing station are mounted too high.

Ellis Pond

The park has no paved accessible route to amenities.

The edge of the boardwalk has an excessive vertical rise (1-1/2" high).

First Hill Park

The play area is surrounded by a raised wooden border, which must be altered to provide an accessible route.

Forest Landing

No accessible route is provided to the water's edge.

Franklin Landing

The park has no paved accessible route (but a flagstone path) to the water's edge.

Fruitland Landing

A gravel path is provided thru the park toward the water's edge.

Garfield Landing

The park has no paved accessible route to the water's edge.



Groveland Beach

An accessible route is lacking to restrooms, the beach, volleyball court, and the pier. Restrooms and changing rooms are substantially non-accessible.

Homestead Park

Bleachers at baseball diamonds require some location adjustment to provide wheelchair spaces together with companion seats (aligned with the front row) at the ends of the bleachers, and to ensure accessible routes are provided in front and along the side. Signage is also required for wheelchair seat areas. Dugouts lack an accessible route and a clear floor space on one side of bench for a wheelchair space.

An accessible route is lacking to tennis courts and ballfields.

Restroom signage is non-compliant. Grab bars are too short and mounted at the wrong height. Toilet paper dispensers are mounted too close to the grab bars. Accessible toilets in restrooms are too far from the side wall. Seat cover dispensers require relocation to an accessible location.

Island Crest Park

Bleachers at baseball diamonds require some location adjustment to provide wheelchair spaces together with companion seats (aligned with the front row) at the ends of the bleachers, and to ensure accessible routes are provided in front and along the side. Signage is also required for wheelchair seat areas.

Baseball team dugouts require a wheelchair space at the end of the team bench.

An accessible route to the tennis court would require a ramp.

Signage at restroom entries is non-compliant in location, lettering, and braille. Restroom entry doors lack the required door maneuvering clearances on the push side. The accessible stall in each restroom is too narrow and the toilet seat heights are too low. Men's accessible toilet requires flush control relocation to the open side of the toilet. Accessible lavatories do not have compliant knee spaces. Toilet paper dispensers encroach on grab bar clearances. Seat cover dispensers, mirrors, coat hooks, and soap dispensers require relocation due to non-compliant heights and locations. Restrooms also serve as dressing rooms, and the provided benches are non-compliant.

Lincoln Landing

The landing has a paved walk that terminates in the lawn area without extending to the water's edge.

Luther Burbank Park

The amphitheater requires wheelchair accessible seating areas (together with companion seating) on an accessible route from adjacent paths. Signs are required at each space. An accessible route is also required to the stage area.



Service counter at guard station (at swimming area near Picnic Area C) is too high. A portion of the counter shall be lowered for accessibility.

Gates at the dog parks require a level paved maneuvering space on each side of the gate. Paved door maneuvering space outside the Women's restroom door (near tennis courts) has an excessive slope.

Restrooms require some adjustment of fixture locations as well as replacement of grab bars (which are too short), relocation of dispensers encroaching on grab bar clearances, mirrors mounted too high, and pipes below lavatories lacking insulation. Restrooms by the old boiler room and near Picnic Area C are substantially non-accessible and require renovation.

Tennis courts lack an accessible route to the courts. A ramp could be provided from the north seating area.

The roof above the restrooms (by the tennis courts) is not accessible. A wheelchair lift is required, or access to this roof top could be eliminated as a public amenity.

The designated accessible dock for boat slips has an excessive slope.

Luther Burbank Park Administration Building & Caretaking Facility

The north entry door is recessed deeper than 8" permitted for door maneuvering clearance. A power operator with backup power is required to preserve historic door frame.

The south entry door is designated as an accessible entry, but the door is recessed 34", while a max. 8" recess is permitted into the door maneuvering space. A min. 18" clearance beyond the door latch is required on the pull side (only 6" is provided). The external slab has an excessive slope, and the vision panel is too high. Consider designating this door as exit only.

The building has 3 stories, with only an interior stairway. An elevator is required to provide an accessible route connecting all levels.

The second floor restroom is too small to provide turning space and fixture clearances.

Door maneuvering space at the first floor restroom door is encroached on by significant protrusion of grab bar due to non-compliant configuration of toilet side wall. Side wall and door frame should be reconfigured, and grab bars installed with compliant lengths and clearances. Flush control shall be on the open side of the toilet. Shelf / mirror combination and coat hook are not at compliant heights.

Main Fire Station #91

The service counter has a clear floor space, but the curved configuration prevents a strictly parallel approach.

The high level drinking fountain is on the open side, protruding into the path of travel.

Public meeting room has a dividing partition, separating it into two rooms. Each room's wet bar has a sink that is approximately 2" too high.



Both public restrooms are substantially non-compliant and require renovation.

Maintenance Hall

Door hardware at the upper level administration entry is above accessible reach range.

The kitchen countertop is too high for public use. The range has non-accessible controls on the rear panel. The sink and a work surface (directly adjacent the oven) must have knee and toe space below for a forward approach when a range is provided.

The accessible entry is on the upper level, leading to the administrative areas. An accessible route is required to the restrooms and locker rooms downstairs.

Mercer Island City Hall

Exterior slab in front of the main entry doors to City Hall has an excessive slope.

Restrooms near the Licensing Department are substantially non-compliant. Accessible signage is not provided. No wheelchair accessible toilet stalls are provided. Knee and toe space are not provided at the lavatory in the Women’s restroom. Multiple urinals are provided at Men’s restrooms, but none are designated as accessible.

Entry doors for all restrooms swing in, and do not provide the min. 18” wide door maneuvering space on the pull side.

Courtroom has raised area for jurors and witnesses that are accessed by stairs only. Ramps cannot be installed due to insufficient space. Wheelchair lifts may be required.

The Council Room has raised seating areas for the public, with no wheelchair space adjacent to a companion seat. The speaker podium requires an accessible forward approach.

The police lobby has call buttons, telephone, and countertops higher than accessible reach.

Mercerdale Park

Ramps in play areas have excessive slopes and lack compliant handrails on both sides.

Accessible routes are required through the wooden borders to some exercise stations and to the information plaque at the sculpture.

Miller Landing

The change in level from the roadway down to the water’s edge is very steep, and the property is narrow. Providing an accessible route may cause an “undue burden.”

Signage should be provided, indicating that the landing is not accessible.

Pioneer Park

No specific items. See Typical for Multiple Properties below.



Proctor Landing

There is a 9" step down to the pier. An accessible ramp with handrails is required.

Roanoke Landing

No specific items. See Typical for Multiple Properties below.

Roanoke Park

No specific items. See Typical for Multiple Properties below.

Rotary Park

No specific items. See Typical for Multiple Properties below.

Secret Park

The entry to the play area requires a ramp.

Slater Park

No specific items. See Typical for Multiple Properties below.

South Fire Station #92

AED cabinet by the front entry door is mounted too high. Controls should be 48" max. and bottom edge of cabinet (protruding more than 4" from wall) should be 27" max. above the paving.

The lavatory in the restroom is mounted too high and encroaches on both the door maneuvering space and toilet clearance. The toilet is installed at a skewed angle and too far from the wall. Grab bars are mounted too high.

South Mercer Playfields

Bleachers at baseball diamonds require some location adjustment to provide wheelchair spaces together with companion seats (aligned with the front row) at the ends of the bleachers. Bleacher locations shall ensure accessible routes are provided in front and along sides. Signage is required for wheelchair seat areas.

A hose bib is located in the knee space of the low level drinking fountain.

The play area requires a compliant ramp at the entry.

Men's and Women's restroom floors have an excessive slope.

Accessible toilet stalls are too small, and stall entry doors are required to be self-closing. Toilets in these stalls require excessive force to flush. Some dispensers encroach on grab bar clearances. others are mounted too high or beyond accessible reach ranges. Sink faucets require excessive force to operate.

Restroom doors require compliant signage. Restroom doors require removal of hold open devices to provide a clear 10" bottom surface on the push side.



Wildwood Park

No specific items. See Typical for Multiple Properties below.

Youth and Family Services Thrift Shop & Recycling Center

The exit door on the south side of the building has an exterior column blocking the door maneuvering clearance. The exit door on the east side of the building lacks a paved exterior surface for the door maneuvering clearance.

The check-out counter lacks an accessible version.

The work table encroaches on the door maneuvering clearance for the door exiting the Workroom.

The sink in the Workroom is too high and requires knee and toe space below for a forward approach.

The dining table in the second floor kitchen lacks an accessible seat with knee and toe clearance. The countertop is too high for an accessible reach to outlets on the back wall. The kitchen lacks 50% accessible storage. 5% of the provided lockers are required to be accessible.

At least one dressing room is required to provide a turning space and a bench.

Grab bars in the ground floor restroom are too short on the side wall. The seat cover dispenser is not accessible above the toilet. The lavatory does not provide the required knee space.

Provide directional signage to the accessible restroom on the second floor. The accessible restroom signage is too high. Grab bars are mounted too high. The toilet flush control is on the wrong side. The mirror is too high.

Typical for Multiple Properties

At properties with accessible parking stalls, some accessible stalls have signage that is too low and needs to be raised to compliant heights.

Where picnic tables are provided in parks, 5% of total seating at picnic tables is required to be accessible seating (with forward approach clear floor space below) and dispersed between each picnic area.

Where benches are provided, recommendation is that some benches have an adjacent clear floor space at one end of the bench. (Although dispersed seating is not clearly scoped in ADAS, this recommendation complies with the principle of equal access to all features and elements.)

Drinking fountains in various areas of multiple parks tend to be singular and/or mounted at non-compliant heights. Drinking fountains where provided should have a minimum of two, serving both wheelchair users and standing persons.

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All play areas require compliant ground surfaces, which must be periodically inspected and maintained. (No cost was included pending testing of surface materials.)

Accessible routes are required to accessible versions of all elements, including picnic tables, bike racks, benches, BBQ grills, and trash receptacles.

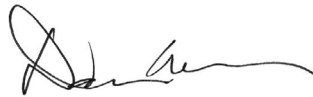
Please see the ADA Facility Survey Report results for details of these and other items not discussed above. Total budget cost to address all the issues as defined, subject to assumptions herein, is included at the end of the ADA Facility Survey Report.

Please call E&A if you require any clarifications on this report.

Respectfully Submitted,



Jody L. Meldrum
Consultant



David Machermer
Senior Consultant



Bart Sanderson, CASp
Associate, Technical Director

Transpo-Proj07-CityofMercerIsland-ADASurvey-ExecSumFINAL



APPENDIX

Included in the Appendix are the following items:

A. Abbreviations

B. Legend for the ADA Survey Results Report



Appendix A – Abbreviations

General: These are common abbreviations that may be used in the ADA Facility Survey Report.

@	At	LL	Lower Level
AC	Asphalt Paving	LBS	Pounds Force
ACCESS	Accessible	LS (or LSum)	Lump Sum
ADA	Americans with Disabilities Act	MAX	Maximum
ADAAG	ADA Accessibility Guidelines	MIN	Minimum
ADAS	The ADA Standards for Accessible Design - 2010	MEZZ	Mezzanine
AFF	Above Finished Floor	N	North
AHJ	Authority Having Jurisdiction	PH	Phone
AMBU	Ambulatory Stall	P	Public
ANSI	American National Standards Institute, Inc.	POS	Point of Sale
APPROX	Approximately	PR	Priority
BBQ	Barbecue	PUB	Public
BLDG	Building	RM	Room
BSMT	Basement	RR	Restroom
CBC	2013 California Building Code	S	South
COMM'L	Commercial	S	Staff
CONC	Concrete	SF	Square Feet
CONF	Conference	SAN NAPKIN	Sanitary Napkin
CORR	Corridor	STR	Stair
CT	Court (Tennis, etc.)	T	Toilet
E	East	TYP	Typical
EA	Each	W	West
ELEV	Elevator	WF	Water Fountain
EXT	Exterior		
EWF	Engineered Wood Fiber		
FLR or FL	Floor		
INT	Interior		
LEV	Level		
LF	Lineal Feet		



Appendix B – Legend for the ADA Facility Survey Report

This Legend is essential to assist in properly interpreting the recommendations for facility accessibility solutions to program barriers in the report.

Building ID (Client): The facility location may be followed by an ID# using any Client provided numbers or abbreviations.

Barrier (#xxx): This item describes the observed barrier (or potential barrier) to the disabled. (Numbers are used for report cross referencing use only)

ADA Citation: This item identifies the section of the 2010 ADA Standards for Accessible Design (ADAS) referenced for each barrier.

Location: This is the area where the barrier was observed. Where appropriate, items may be grouped and shown with multiple quantities.

Recommendation (Proposed Solution): This column describes the solution proposed to remove or reduce the potential barrier identified, compliant with the ADA standards current at the time of survey. Sometimes there may be alternate solutions. Some solutions may require further design study.

Comments: This column is used to clarify the existing condition and the ADA requirement or further clarify the Recommendation shown.

Type (S/P): This column provides an indication of the area in which the barrier was observed. E&A's scope of work is solely public accommodation areas (excluding tenant spaces), and excludes Staff areas. **S** indicates that it is in a **Staff** area; **P** indicates a **Public Accommodation** area, and therefore subject to Title II. Under Title I, work in a staff area would not technically be required to be performed until a person with a disability employed in this area requires reasonable accommodation, except for provision of an accessible route to staff areas.

Responsibility (Resp.): This column indicates whether the issue is the responsibility of the Owner ("O"). "P" indicates it is for a public entity, such as for public sidewalks. "T" indicates it is a tenant responsibility.

Code: Each recommended solution is given a compliance sufficiency code, numbered from 1 to 8. The sufficiency code further qualifies the level of compliance achieved by, or other major aspect of, the recommended solution. The meanings are as follows:

- 1 When the proposed solution is implemented this barrier will be removed and will be, in our opinion, in compliance with the requirements of the Americans with Disabilities Act's current ADA Standards.



- 2 Complete compliance with the requirements of the ADA will not be provided. It is either “technically infeasible,” or (for the public sector), the solution would appear to be an “undue burden” per ADA Standards for public entities. Therefore, the Consultants have recommended that no changes be made at this time. Strict adherence with the ADA would in E&A’s opinion carry an unreasonable cost (to be solely determined by the Owner) or be technically infeasible. In enforcement, the USDOJ would consider the Owner’s financial capability, among other ADA criteria.
- 3 The solution appears to be the responsibility of another entity such as a tenant or other entity, who we recommend be notified of the barrier.
- 4 The condition identified technically does not meet the requirements of the ADA. However, in our professional opinion, the deviation is minor enough or within construction tolerances that correction of it would not likely significantly increase the degree of accessibility of the condition. For that reason, no modification beyond what is described in the Recommendation column is proposed, but sufficiency is not indicated as fully compliant.
- 5 Because complete compliance appears to be technically infeasible or extremely difficult due to the existing building configuration, the proposed alternative means (or policy implementation) has been proposed. While this recommended solution provides less than complete physical compliance, it may constitute a reasonable course of action for this situation that improves the condition.
- 6 Delay implementation of solution pending final approval by law.
- 7 The subject item is not accessible, but it is not required to be, based upon an exemption in the law. It may, however, be a program issue that requires some action.
- 8 The subject item meets the 1991 ADA guidelines, so is therefore “grandfathered” and need not meet the 2010 ADAS until it is physically altered.

PRI (ADA Guidance Priority): For general guidance only, the recommended solution is given an ADA general priority coding of 1, 2, 3, or 4. These codes correspond to the barrier removal categories provided for general guidance for public accommodations in the *Regulation on Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities* (reference 28 CFR Part 36.304(c)). Upon completion of the Survey, the Owner may establish implementation priorities in detail based upon criteria such as the law, operational needs, funding, and long-range planning.

- 1 Provision of access to a place of public accommodation from public sidewalks, parking, or public transportation. These measures include installing entrance ramps, widening entrances, and providing accessible parking spaces / signage.
- 2 Provision of access to those places where goods and services are made available. These measures include revising interior routes, adjusting the layout of tables, providing Braille and raised character building signage, widening interior doors, and installing ramps.



- 3 Provision of accessible restrooms, such as removal of obstructing items on the route to the restroom, widening of restroom doors, widening of toilet stalls, provision of accessible plumbing fixtures, and installation of grab bars.
- 4 Making other modifications to provide access to the goods, services, facilities, privileges, advantages, or accommodations, such as accessible public phones and water fountains.

Qty / Units: The quantity includes the unit of measure applicable to the Recommended Solution, and to the Budget Cost immediately following.

Budget (Budget Cost): This column provides a budgetary opinion of approximate construction cost per item, based only upon descriptive scope, not a completed design. This is not a cost estimate. Design fees, management costs, sales tax, internal costs, General Contractor overhead and profit, escalation, and other items are not included in these figures. Allowances are shown when further design study is required. *All costs for implementation are not included in these costs. Therefore, please see Budget Cost Assumptions section and Facility Assumptions sub-section in the Overview for details.*

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Alarms								
Barrier	562	The fire alarm pull station is mounted too high (48" max.), lacks clear floor space, or the model type requires twisting or gripping to operate.	Citation	2010 ADA Stds. 308.3				
ITEM 1: DAYCARE BUILDING	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. Existing condition: Classrooms 2 & 3 have fire pull stations mounted at 50" AFF.	P	O	8	2	2 EA	\$0
ITEM 2: LOWER LEVEL - GYMNASIUM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. Existing 3 pull stations are mounted between 50" and 51" AFF.	P	O	8	2	3 EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Built In Elements									
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2					
ITEM 3: DAYCARE CENTER - EXTERIOR AREA	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Exception: Fixed or built-in seating or tables used primarily by children ages 12 and younger may be from 26" min. to 30" max. AFF. Existing picnic tables do not provide an accessible seating area with compliant knee & toe space.	P	O	1	2	1	EA	\$2,500
ITEM 4: GAME ROOM 105	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Existing tables providing seating do not provide an accessible seating area.	P	O	1	2	1	EA	\$1,320
ITEM 5: LANDING ROOM 106	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Existing tables providing seating do not provide an accessible seating area.	P	O	1	2	1	EA	\$1,320

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation		2010 ADA Stds. 404.2.4			
ITEM 6: DAYCARE BUILDING - CLASSROOM 2	Relocate the furniture or movable object that is encroaching into door maneuvering space.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front/pull side approach and 48" perpendicular to door for front or side/push side approach (latch & closer). See additional Dimensions for other approaches in 404.2.4.1. Existing condition: Entry door has cabinetry blocking the required 12" width at the door's push side.	P	O	1	2	1 EA	\$0
ITEM 7: DAYCARE BUILDING - CLASSROOM 4	Relocate the furniture or movable object that is encroaching into door maneuvering space.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front/pull side approach and 48" perpendicular to door for front or side/push side approach (latch & closer). See additional Dimensions for other approaches in 404.2.4.1. Existing condition: Entry door has cabinetry blocking the required 12" width at the door's push side.	P	O	1	2	1 EA	\$0
ITEM 8: ENTRY LOBBY LEVEL - MERCER ROOM 107, DOOR TO LANDING ROOM 106	Relocate the door / frame to provide door maneuvering space, recessed 8" max. on either side. An alternate solution would be to remove the closer if allowed by Fire Code.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1. Existing door has a closer and latch, therefore 12" width is required on the push side. Door is recessed 11" deep.	P	O	1	2	1 EA	\$1,100

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Doors									
ITEM 9: LOWER LEVEL - GYMNASIUM, NORTHEAST EXTERIOR ENTRY	Add new portion of exterior surface (at door approach).	Provide clear floor space min. 60" perpendicular to door for front/pull side approach. Existing condition: Door maneuvering clearance on exterior concrete surface measured 3% slope.	P	O	1	2	30	SF	\$1,515
ITEM 10: SLATER ROOM - EXTERIOR ENTRY	Secure movable area rug or mat with double stick tape at all edges.	Existing condition: Loose rubber mat at inside area.	P	O	1	1	1	EA	\$0
Barrier	619	The door requires excessive force to operate, or the door closes too quickly.	Citation	2010 ADA Stds. 404.2.8, 404.2.9					
ITEM 11: SLATER ROOM - EXTERIOR ENTRY	Adjust the exterior door closer to meet min. required force.	Fire doors may meet min. allowable by code, usually 15 lbs. force. Verify with local building codes for min. allowable force for exterior and fire doors. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 secs. min. Existing door requires a 13 lbs. force to open.	P	O	1	1	1	EA	\$150
Barrier	622	The existing door does not have a smooth surface a minimum of 10" from the floor or exterior surface or the kick plate installed is not capped.	Citation	2010 ADA Stds. 404.2.10					
ITEM 12: ENTRY LOBBY LEVEL - ENTRY TO MERCER 107	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	1	2	1 STY	\$0
ITEM 13: ENTRY LOBBY LEVEL - RESTROOM DOORS	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	1	2	1 STY	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
ITEM 14: GAME ROOM - ENTRY OFF LOBBY	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	1	1 STY	\$0
ITEM 15: LOWER LEVEL - GYMNASIUM	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	2	1 STY	\$0
ITEM 16: LOWER LEVEL - GYMNASIUM, DOORS TO THE EXTERIOR	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	6	1 STY	\$0
ITEM 17: MERCER ROOM 107 - ALUM. / GLASS ENTRY DOORS	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	4	1 STY	\$0
ITEM 18: SLATER ROOM - EXTERIOR ENTRY	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	1	1 STY	\$0
ITEM 19: SLATER ROOM - RESTROOM DOORS	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	2	1 STY	\$0
ITEM 20: SLATER ROOM - RESTROOM ENTRY	Recommend no change.	If altered, per 2010 Standards, existing doors would be required to have a kickplate the full width of the door and up to 10" AFF.	P	O	1	1	1 STY	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Dressing Rooms, Fitting Room, Locker Room								
Barrier	760	The accessible dressing or fitting room lacks a 42" min. long x 20" to 24" deep bench mounted between 17" and 19" high, or lacks 30"x48" clear floor space at the end of the bench, or lacks an accessible back support.	Citation	2010 ADA Stds. 222, 903				
ITEM 21: FAMILY RESTROOM	Decommission the single user bathroom and provide a cased opening into the space. Remove the toilet and lavatory and create a compliant changing room accessible only through the Family RR. Provide a new 20" to 24" deep x 42" long bench at 17" to 19" height affixed to a wall or with accessible back support in an accessible location within the adjacent Single user bathroom. This will provide 30" x 48" clear floor space to the side of the bench.	The bench lacks the required dimensions.	P	O	1	2	1 EA	\$6,110
ITEM 22: LOWER LEVEL - MEN'S RESTROOM, SHOWER / LOCKER ROOM	Provide a new 20" to 24" deep x 42" long bench at 17" to 19" height affixed to a wall or with accessible back support in an accessible location within the dressing room.	If the bench is not affixed to a wall, then a back support the length of the bench (42" min.), 18" high min. shall be provided. Existing condition: 2 moveable benches with no back support are provided.	P	O	1	2	1 EA	\$1,110
ITEM 23: LOWER LEVEL - WOMEN'S RESTROOM, SHOWER / LOCKER ROOM	Provide a new 20" to 24" deep x 42" long bench at 17" to 19" height affixed to a wall or with accessible back support in an accessible location within the dressing room.	If the bench is not affixed to a wall, then a back support the length of the bench (42" min.), 18" high min. shall be provided. Existing condition: 2 moveable benches with no back support are provided.	P	O	1	2	1 EA	\$1,110

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	7380	The standing person water fountain is a protruding object.	Citation		2010 ADA Stds. 602.7			
ITEM 24: LOWER LEVEL - HALLWAY	Provide a cane detection device less than 27" AFF. Typically, the drinking fountain manufacturer has skirts that can be installed on the bottom of the fountains to bring the surface down to 27" or below.	Existing drinking fountain has the high standing person fountain located on the open side, within the path of travel. Note that existing play equipment is located adjacent to the low fountain. The bottom of the low fountain is 28" AFF, which would present a protruding object hazard if play equipment is moved.	P	O	1	1	EA	\$530
Barrier	753	The water fountain lacks a min. 27" high knee clearance for a front approach OR is too high, creating a protruding object.	Citation		2010 ADA Stds. 602.2,307			
ITEM 25: LOWER LEVEL - FITNESS ROOM 2	Provide an additional accessible water fountain with required knee space.	The knee space is required to be 30" wide, 27" high, and at least 17" deep. Where there is one per floor, one must be wheelchair accessible, and those with difficulty bending should be accommodated by use of a hi-lo or other means (such as a paper cup dispenser). Where more than one per floor, 50% must be wheelchair accessible. Existing drinking fountain is a single fountain with spout at 39" (height for standing person fountain). Note that existing trash containers located adjacent to this protruding object block the protruding object hazard.	P	O	1	4	EA	\$6,990
ITEM 26: LOWER LEVEL - GYMNASIUM	Provide an additional accessible water fountain with required knee space.	The knee space is required to be 30" wide, 27" high, and at least 17" deep. Where there is one per floor, one must be wheelchair accessible, and those with difficulty bending should be accommodated by use of a hi-lo or other means (such as a paper cup dispenser). Where more than one per floor, 50% must be wheelchair accessible. Existing drinking fountain does not provide a knee space, and spout exceeds 36" AFF (39" spout height provided, which is height for standing person fountain).	P	O	1	4	EA	\$6,990

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
ITEM 27: MAIN LOBBY - ADJACENT TO VENDING MACHINES	The fountain is a protruding object. Lower the fountain (or provide a skirt) to 27" exactly where it will not be a protruding object and meet knee space requirements. Another option is to provide a non-movable object adjacent to this fountain, while maintaining a min. of 30" wide forward approach, centered on the fountain.	Existing drinking fountain is a hi-low model. However, the lower fountain is in the path of travel and has a bottom surface at 28" AFF.	P	O	1	4	1 EA	\$2,440

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	37314	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 302.1				
ITEM 28: LOWER LEVEL - NORTH ENTRY	Provide new 48" wide concrete walk to replace gravel walk.	Existing condition: The north entry door (leading to the entry vestibule) has an auto-door opener button, but no accessible route to the opener.	P	O	1	2	5	LF \$360
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 29: EXTERIOR ENTRY PLAZA	Provide 44" min. wide (per Code) concrete paving to the indicated amenities.	Existing bike racks lack an adjacent clear floor space.	P	O	1	2	4	LF \$230

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Interior Accessible Routes								
Barrier	642	The accessible route measures less than 36" wide, or is reduced to less than 32" wide for a length of more than 24".	Citation	2010 ADA Stds. 403.5.1				
ITEM 30: DAYCARE BUILDING - CLASSROOM 1, STORAGE ROOM ON SOUTH SIDE	Move furniture and miscellaneous items to widen the route.	Room has storage items placed in the center, forming an island with clearances of 23" - 34" max. between island and adjacent wall mounted shelving and misc. items.	P	O	1	2	1	EA \$0
Barrier	648	The object exceeds 48" high for an unobstructed side or front approach OR for obstructed approach exceeds 46" high x 24" depth on a 34" countertop OR is placed on a countertop exceeding 34" in height and is not flush with the countertop edge.	Citation	2010 ADA Stds. 308				
ITEM 31: DAYCARE BUILDING	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Existing condition: multiple light switches are mounted at 54" AFF.	P	O	8	2	8	EA \$0
ITEM 32: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Provide another of the same feature at an accessible level at 48" max.	The item should be below 48" AFF. Existing clothes hooks are mounted at 70" AFF.	P	O	1	2	1	EA \$390
ITEM 33: DAYCARE BUILDING - CLASSROOM 1, KITCHENETTE	Wall mounted outlets and switches require extenders to place their faces within 24" of the front edge of the countertop, and must not exceed 46" AFF. Verify quantity.	Existing condition: Kitchen countertop measures 25" deep, and is 32" high. Due to objects located on countertop, outlets and switches could not be observed.	P	O	1	2	1	EA \$190

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
ITEM 34: DAYCARE BUILDING - CLASSROOM 2, KITCHENETTE	Relocate outlets and switches to the face of the base cabinets.	Existing wall mounted above countertop outlets are mounted above a 34-1/2" high countertop that is 25-1/2" deep.	P	O	1	2	3 EA	\$570
ITEM 35: DAYCARE BUILDING - CLASSROOM 3, KITCHENETTE	Wall mounted outlets and switches require extenders to place their faces within 24" of the front edge of the countertop, and must not exceed 46" AFF. Verify quantity.	Existing condition: Kitchen countertop measures 25-1/2" deep, and is 34" high. Due to objects located on countertop - outlets and switches could not be observed.	P	O	1	2	1 EA	\$190
ITEM 36: DAYCARE BUILDING - CLASSROOM 4, KITCHENETTE	Wall mounted outlets and switches require extenders to place their faces within 24" of the front edge of the countertop, and must not exceed 46" AFF. Verify quantity.	Existing condition: Kitchen countertop measures 24-1/2" deep, and is 34" high. Due to objects located on countertop, outlets and switches could not be observed.	P	O	1	2	1 EA	\$190
ITEM 37: ENTRY LOBBY LEVEL - MERCER ROOM 107	Provide outlets and switches on the front face of the base cabinets, or relocate to a side wall location.	If the reach is over an obstruction, the obstruction (countertop in this case) is limited to 34" height and 10" max, high reach depth for 48" high reach. For reach depths 10" to 24" deep, the height is limited to 46". Existing condition: This room has folding divider walls, which divides the space into 3 separate areas. Each area has a 36" high x 25" deep countertop. Outlets and switches on the rear wall (above countertop) will not be accessible for a side reach.	P	O	1	2	3 EA	\$9,600
ITEM 38: LOWER LEVEL - DANCE ROOM 1	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Existing light switches are mounted at 49" AFF.	P	O	8	2	2 EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
ITEM 39: LOWER LEVEL - FITNESS ROOM 2	Provide another of the same feature at an accessible level at 48" max.	The item should be below 48" AFF. Existing clothes hooks are mounted at 70" AFF.	P	O	1	2	1 EA	\$390
ITEM 40: LOWER LEVEL - GYMNASIUM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Existing light switches are mounted at 50" AFF.	P	O	8	2	3 EA	\$0
ITEM 41: LOWER LEVEL - WOMEN'S RESTROOM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Existing light switches are mounted at 48-1/2" AFF.	P	O	8	2	1 EA	\$0
ITEM 42: SLATER ROOM - KITCHENETTE	Provide another of the same feature at an accessible level at 48" max.	Paper towel and soap dispensers are mounted above a 35-1/2" high countertop.	P	O	1	2	2 EA	\$780
Barrier	654 The object is a protruding object, which projects more than 4" into the accessible route with its leading edge between 27" and 80" high (making it not cane detectable).	Citation 2010 ADA Stds. 307.2, 204						
ITEM 43: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Remove wall mounted cabinets, as they are located in the required clear floor space for the toilet.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. The vertical clearance of an obstruction may be 27" max. or 80" min. AFF. Existing condition: Restroom has 2 sets of wall mounted cabinets with bottom edge at 53" AFF, protruding 13" from the wall.	P	O	1	2	1 EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
ITEM 44: LOWER LEVEL - STAIR HANDRAIL	Extend the leading edge of the object down to 27" AFF (or below).	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. If the object is post mounted it may protrude 12" max. The vertical clearance of an obstruction may be 27" max. or 80" min. AFF. Exception: Handrails may protrude 4-1/2" max. Existing condition: Handrail protrudes 5-1/4" at 33-1/2" AFF.	P	O	1	2	1 EA	\$108
Barrier	656 The controls / operating mechanisms require twisting, pinching, or gripping to operate, require in excess of 5 lbs. force, are not within compliant reach range, or lack 30"x48" clear floor space.		Citation	2010 ADA Stds. 205, 308, 309				
ITEM 45: SLATER ROOM - KITCHENETTE	Relocate the countertop outlets and switches to the front face of the base cabinets.	Countertop depths per ADAS are limited to 24" max. in depth and 34" max. in height to allow for an accessible reach range. In E&A's experience, typically base cabinets are 24" deep with an additional 1" - 1-1/2" countertop overhang for which none comply. The 2009 edition of the ICC ANSI (not applicable) addresses this overlooked item and allows for 25-1/2" deep countertop in regards to over counter outlets. Existing countertop is 35-1/2" AFF with a 25" deep reach to wall mounted outlets and switches that are 45-1/2" AFF.	P	O	1	1	4 EA	\$760

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Kitchens - Lounges								
Barrier	531	The kitchen sink exceeds 34" high, lacks 30" wide knee space if a range or cooktop is provided, or has inaccessible hardware.	Citation	2010 ADA Stds. 804.4				
ITEM 46: SLATER ROOM - KITCHENETTE	Lower the sink to be 34" max.	Existing kitchenette has a sink in a 35-1/2" high countertop.	P	O	1	2	1 EA	\$2,100
Barrier	532	The kitchen lacks the 50% of storage at an accessible level of 15" min. to 48" max.	Citation	2010 ADA Stds. 804.5				
ITEM 47: DAYCARE BUILDING - CLASSROOM 1	Modify cabinets to provide the required 50%.	Existing upper cabinets are mounted at 56" to top of bottom shelf.	P	O	1	2	1 EA	\$530
ITEM 48: DAYCARE BUILDING - CLASSROOM 2	Modify cabinets to provide the required 50%.	Existing upper cabinets are mounted at 58" to top of bottom shelf.	P	O	1	2	1 EA	\$530
ITEM 49: DAYCARE BUILDING - CLASSROOM 3	Modify cabinets to provide the required 50%.	Existing upper cabinets are mounted at 56" to top of bottom shelf.	P	O	1	2	1 EA	\$530
ITEM 50: DAYCARE BUILDING - CLASSROOM 4	Modify cabinets to provide the required 50%.	Existing upper cabinets are mounted at 58" to top of bottom shelf.	P	O	1	2	1 EA	\$530

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Kitchens - Lounges								
Barrier	533 The dishwasher, range, oven, refrigerator or other appliance lacks the required 30"x48" clear floor space or has controls that are not compliant.		Citation	2010 ADA Stds. 804.6				
ITEM 51: SLATER ROOM - KITCHENETTE	Relocate the microwave to an accessible location with all controls within a 48" reach range.	Existing kitchenette has a microwave mounted in upper cabinets.	P	O	1	2	1	EA \$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Play Areas								
Barrier	37310	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation		2010 ADA Stds. 1008.2.6			
ITEM 52: DAYCARE BUILDING - EXTERIOR PLAY AREA, EAST SIDE	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	1	EA \$0
ITEM 53: DAYCARE BUILDING - EXTERIOR PLAY AREA, NORTH SIDE	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	1	EA \$0

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Play Areas										
ITEM 54: LAWN AREA - EXTERIOR PLAY AREA, NORTH OF GYMNASIUM	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O		1	2	1	EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	671	The accessible toilet stall lacks the min. required dimensions, or the accessible water closet lacks the min. required 60" wide clear floor space.	Citation	2010 ADA Stds. 604, 213				
ITEM 55: FAMILY RESTROOM		Remove the lavatory vanity and provide a wall hung lavatory (less than 20" wide) to provide min. 60" width between lavatory and toilet side wall.		P	O	1	3	1 EA \$1,975
		Existing clearance measures 47-1/2". 2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches).						
Barrier	672	The accessible stall lacks the min. 9" high toe clearance required in the front partition and at least one side partition.	Citation	2010 ADA Stds. 604.8.1.4				
ITEM 56: SLATER ROOM - RESTROOM, ACCESSIBLE TOILET COMPARTMENT		Remove the wall in front of the toilet (with door) and replace with toilet compartment partition that provides 9" high toe space.		P	O	1	3	1 EA \$1,000
		Stalls deeper than 62" for wall mounted toilets or 65" for floor mounted toilets do not require toe space in the front partition. Stalls wider than 66" do not require toe space at the side partition. Existing toilet compartment (room) is 58" deep with walls that extend down to the floor.						
Barrier	675	The stall door swing encroaches on clear floor space within stall, or the door is not located on the wide side of the stall, or the door is more than 4" from side panel.	Citation	2010 ADA Stds. 604.8.1.2				
ITEM 57: ENTRY LOBBY LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET STALL		Revise the front stall partition to relocate the door to the wide side of the stall with a 4" max. hinge side panel.		P	O	1	3	1 EA \$1,640
		The door to the accessible stall is required to be the open side of the stall to provide door maneuvering space on the inside of the stall. Existing toilet stall has door located 20" from the side partition panel.						

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms									
ITEM 58: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Revise the front stall partition to relocate the door to the wide side of the stall with a 4" max. hinge side panel.	The door to the accessible stall is required to be the open side of the stall to provide door maneuvering space on the inside of the stall. Existing toilet stall has door located 20" from the side partition panel.	P	O		1	3	1 EA	\$1,640
Barrier	677	The coat hook exceeds 48" high for a front or side approach or the shelves are not mounted 40" min. and 48" max. AFF.	Citation	2010 ADA Stds. 603.4, 308					
ITEM 59: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. Existing hook is mounted at 49" AFF.	P	O		8	2	1 EA	\$0
ITEM 60: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. Existing shelf is mounted with top surface at 38" AFF.	P	O		8	2	1 EA	\$0
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2					
ITEM 61: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing toilet has centerline of toilet to the side wall measuring 18-1/2".	P	O		1	3	1 EA	\$230
ITEM 62: ENTRY LOBBY LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET STALL	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing accessible toilet stall has centerline of toilet to the side wall measuring 19-1/2".	P	O		1	3	1 EA	\$230

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Restrooms / Bathrooms								
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 63: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing accessible toilet stall has centerline of toilet to the side wall measuring 18-1/2".	P	O	1	3	1 EA	\$230
ITEM 64: FAMILY RESTROOM	Relocate the wall hung toilet to be 16" - 18" from centerline to side wall by revising plumbing. Repair wall finish.	The toilet measures 18-1/2". Note: The toilet may be considered an architectural component of a building for which when altered, must be brought into full compliance with the 2010 Standards. If toilet has less than 60" wide clearance, then modifications will need to be made to comply.	P	O	1	3	1 EA	\$960
ITEM 65: LOWER LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET STALL	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing accessible toilet stall has centerline of toilet to the side wall measuring 19".	P	O	1	3	1 EA	\$230
ITEM 66: LOWER LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing accessible toilet stall has centerline of toilet to the side wall measuring 18-3/4".	P	O	1	3	1 EA	\$230
ITEM 67: SLATER ROOM - RESTROOM, ACCESSIBLE TOILET COMPARTMENT	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing accessible toilet compartment (the one closest to the lavatory) has centerline of toilet to the side wall measuring 18-1/2".	P	O	1	3	1 EA	\$230

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Restrooms / Bathrooms								
Barrier	679	The toilet seat height is not between 17" and 19" high.	Citation	2010 ADA Stds. 604.4, 604.9				
ITEM 68: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Recommend no change. This restroom is used primarily by children ages 12 and under.	Seat shall not be sprung to return to a lifted position. Exception: Water closets used primarily by children ages 12 and under shall be 11" min. to 17" max. high and there are no seat requirements if single occupant private office toilet. Existing condition: Top of seat measured 16-3/4" AFF.	P	O	4	3	1 EA	\$0
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.	Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 69: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar extends 18" from toilet center to the transfer side.	P	O	1	3	1 EA	\$1,300
ITEM 70: ENTRY LOBBY LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET STALL	Replace with new grab bars. Mount at compliant height.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar extends 18" from toilet center to the transfer side, and is mounted 36-3/4" AFF to top.	P	O	1	3	1 EA	\$1,300

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Restrooms / Bathrooms								
ITEM 71: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar extends 18" from toilet center to the transfer side.	P	O	1	3	1 EA	\$1,300
ITEM 72: LOWER LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET STALL	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar extends 18" from toilet center to the transfer side. Also, top of grab bars are 36-3/4" AFF. 33" - 36" AFF required.	P	O	1	3	1 EA	\$1,300

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Restrooms / Bathrooms								
ITEM 73: LOWER LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" to 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar extends 18" from toilet center to the transfer side. Also, top of grab bars are 37" AFF. 33" - 36" AFF required.	P	O	1	3	1 EA	\$1,300
ITEM 74: SLATER ROOM - ACCESSIBLE TOILET COMPARTMENT	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar extends 18" from toilet center to the transfer side.	P	O	1	3	1 EA	\$1,300
Barrier	683	The toilet paper dispenser is not mounted 7" - 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation		2010 ADA Stds. 604.7			
ITEM 75: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Recommend no change until the element is renovated as it meet 1991 Standards for a dispenser to be 36" from rear wall to far side of dispenser.		P	O	5	3	1 EA	\$0

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Restrooms / Bathrooms								
Barrier	683	The toilet paper dispenser is not mounted 7" - 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 76: ENTRY LOBBY LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET STALL	Recommend no change until the element is renovated as it meet 1991 Standards for a dispenser to be 36" from rear wall to far side of dispenser.	Toilet paper rolls installed in recessed combination toilet paper and seat cover dispenser encroaches into the 1-1/2" required clearance between the wall and the grab bar (1-1/4" is provided). Also, centerline of toilet paper is 4" from front edge of toilet.	P	O	5	3	1 EA	\$0
ITEM 77: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET STALL	Relocate the dispenser. Ensure toilet paper dispenser is 7" - 9" from the front edge of the toilet.	Toilet paper rolls installed in recessed combination toilet paper and seat cover dispenser encroaches into the 1-1/2" required clearance between the wall and the grab bar (1-1/4" is provided). Also, centerline of toilet paper is 11" from front edge of toilet.	P	O	1	3	1 EA	\$0
ITEM 78: LOWER LEVEL - MEN'S RESTROOM, ACCESSIBLE TOILET COMPARTMENT	Recommend no change until the element is renovated as it meet 1991 Standards for a dispenser to be 36" from rear wall to far side of dispenser.	Toilet paper rolls installed in recessed combination toilet paper and seat cover dispenser encroaches into the 1-1/2" required clearance between the wall and the grab bar (1-1/4" is provided). Also, toilet paper dispenser is located 4" behind the front rim of the toilet (7" - 9" in front is required).	P	O	5	3	1 EA	\$0
ITEM 79: LOWER LEVEL - WOMEN'S RESTROOM, ACCESSIBLE TOILET COMPARTMENT	Recommend no change until the element is renovated as it meet 1991 Standards for a dispenser to be 36" from rear wall to far side of dispenser.	Toilet paper rolls installed in recessed combination toilet paper and seat cover dispenser encroaches into the 1-1/2" required clearance between the wall and the grab bar (1-1/4" is provided). Also, toilet paper dispenser is located 4" behind the front rim of the toilet (7" - 9" in front is required).	P	O	5	3	1 EA	\$0
ITEM 80: SLATER ROOM - ACCESSIBLE TOILET COMPARTMENT	Recommend no change until the element is renovated as it meet 1991 Standards for a dispenser to be 36" from rear wall to far side of dispenser.		P	O	5	3	1 EA	\$0

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Restrooms / Bathrooms								
Barrier	687	The lavatory rim exceeds 34" high measured to the rim or countertop, whichever is higher.	Citation	2010 ADA Stds. 606.3				
ITEM 81: ENTRY LOBBY LEVEL - MEN'S RESTROOM	Replace lavatory with an accessible model, flush with 34" high countertop.	Where lavatories are provided at least 1 shall be accessible and not be located in a toilet compartment. Existing countertops are 34" AFF, and provide knee and toe space, but sink rims are 34-1/2" AFF.	P	O	1	3	1 EA	\$2,340
ITEM 82: ENTRY LOBBY LEVEL - WOMEN'S RESTROOM	Replace lavatory with an accessible model, flush with 34" high countertop.	Where lavatories are provided at least 1 shall be accessible and not be located in a toilet compartment. Existing countertops are 34" AFF, and provide knee and toe space, but sink rims are 34-1/2" AFF.	P	O	1	3	1 EA	\$2,340
ITEM 83: SLATER ROOM - RESTROOM	Reduce height of existing lavatory. Ensure 27" min. height knee & toe space is maintained.	Where lavatories are provided at least 1 shall be accessible and not be located in a toilet compartment. Existing restroom has a sink with rim at 35" AFF in a 34-1/2" high countertop.	P	O	1	3	1 EA	\$960
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 84: FAMILY RESTROOM	Replace the lavatory to provide toilet clearance of 60" min. Refer to Toilet clearance citation for description and cost.	Lavatory exceeds 34" at 34-3/4" AFF.	P	O	1	3	1 EA	\$0

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Restrooms / Bathrooms								
Barrier	693	The indicated object at the restroom is a protruding object, which projects more than 4" into accessible route with its leading edge between 27" and 80" high.	Citation	2010 ADA Stds. 307.2				
ITEM 85: LOWER LEVEL - WOMEN'S RESTROOM, SHOWER / LOCKER ROOM		Place a plant, waste receptacle, or other detectable object beneath the protruding object.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing tampon dispenser unit has bottom surface at 34" AFF, and projects 6-1/2" from the wall.	P	O	1	3	1 EA \$0
Barrier	698	The restroom is substantially inaccessible - lacks overall turning space, clear floor space at fixtures, and/or compliant fixtures and dispensers.	Citation	2010 ADA Stds. 603				
ITEM 86: DAYCARE CENTER		Provide a completely new restroom inside the facility in an accessible location or completely remodel in the existing location. An alternate solution based upon program of the 4 rooms is to combine 2 restrooms into one accessible for both spaces (Budget \$89,620.00).	Cost shown is for a restroom with two fixtures and a lavatory, including all accessories, and wall construction.	P	O	1	3	4 EA \$179,240
Barrier	7836	The specified baby changing station exceeds a max. reach range of 48" high for a front or side approach, and/or it lacks clear floor space or the table surface is not 28" - 34" high when folded down.	Citation	2010 ADA Stds. 309, 308.3				
ITEM 87: ENTRY LOBBY LEVEL - RESTROOMS		Relocate the tables not meeting 2010 Standards of 48" height or tables not meeting the work surface requirement of 34" max. when table is in the fold down position.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing baby changing tables are mounted with table "lip" at 36" AFF.	P	O	1	3	2 EA \$300

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Shower Stalls / Bathtubs								
Barrier	711	The shower lacks required clear floor space adjacent to the shower stall (36"x48" aligned with control wall for transfer shower or 30"x60" parallel to roll in) OR exceeds 2% slope.						
			Citation	2010 ADA Stds. 608.2, 608.2.2.1				
ITEM 88: LOWER LEVEL - MEN'S RESTROOM, ACCESSIBLE SHOWER STALL	Replace with a 36"x36" accessible transfer shower. Revise length of the wall between the 2 showers to align with the face of the transfer shower, and revise location of the controls (to the opposite wall) to provide the 48" long clear floor space, starting at the control wall, and running parallel and immediately adjacent to the shower opening.	Shower stalls must have a 36"x48" clear floor space in front aligned with the control wall for 36"x36" transfer showers; rectangular roll in showers must have a 30"x60" clear floor space in front. Existing condition: Shower enclosure size is 36" wide x 37". Also, the control wall is located where the required 48" deep clear floor space, aligning with the control wall, is only 36-1/2".	P	O	1	3	1	EA \$18,440
ITEM 89: LOWER LEVEL - WOMEN'S RESTROOM, ACCESSIBLE SHOWER STALL	Replace with a 36"x36" accessible transfer shower. Revise length of the wall between the 2 showers to align with the face of the transfer shower, and revise location of the controls (to the opposite wall) to provide the 48" long clear floor space, starting at the control wall, and running parallel and immediately adjacent to the shower opening.	Shower stalls must have a 36"x48" clear floor space in front aligned with the control wall for 36"x36" transfer showers; rectangular roll in showers must have a 30"x60" clear floor space in front. Existing condition: Shower enclosure size is 36-1/2" x 36-1/2". Also, the control wall is located where the required 48" deep clear floor space, aligning with the control wall is only 36-1/2".	P	O	1	3	1	EA \$18,440

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Signage									
Barrier	716	The accessible building entry or restroom sign lacks signage displaying the International Symbol of Accessibility OR the Pictogram is not 6" high min.	Citation	2010 ADA Stds. 703.7.2.1, 216.6, 216.8					
ITEM 90: DAYCARE BUILDING - CLASSROOM 1, ACCESSIBLE PUBLIC RESTROOM	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing sign does not have the International Symbol of Accessibility.	P	O	1	2	1	EA	\$180
ITEM 91: LOWER LEVEL - MEN'S RESTROOM	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing sign does not have the International Symbol of Accessibility.	P	O	1	2	1	EA	\$180
ITEM 92: LOWER LEVEL - WOMEN'S RESTROOM	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing sign does not have the International Symbol of Accessibility.	P	O	1	2	1	EA	\$180
ITEM 93: MAIN LOBBY - MEN'S RESTROOM	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing sign does not have the International Symbol of Accessibility.	P	O	1	2	1	EA	\$180

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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 Community and Events Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Signage									
ITEM 94: MAIN LOBBY - WOMEN'S RESTROOM	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing sign does not have the International Symbol of Accessibility.	P	O		1	2	1	EA \$180

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Sinks								
Barrier	723	At least 5%, or min. 1 of the sinks in accessible spaces exceeds 34" to the rim or counter OR lacks min. 30" wide knee space that is 27" high and 17" deep for a front approach OR lacks 30"x48" parallel approach. Note: A parallel approach is allowed in kitchens, kitchenettes, and wet bars if there is no cooktop or range.	Citation	2010 ADA Stds. 212.3,606.2, 606.3				
ITEM 95: DAYCARE BUILDING - CLASSROOM 2, KITCHENETTE	Lower the mounting height of the sink and cabinet to 34" max.	Existing kitchenette has 3 sinks, and no cooktop - therefore no forward approach is required. However, all sinks are mounted above a 34-1/2" high countertop.	P	O	1	2	1 EA	\$960
ITEM 96: LOWER LEVEL - MEN'S RESTROOM	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" high knee space.	Existing countertop is 35" high, with sink rim at 35-1/2" AFF.	P	O	1	2	1 EA	\$960
ITEM 97: LOWER LEVEL - WOMEN'S RESTROOM	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" high knee space.	Existing countertop is 33-3/4" high, with sink rim at 34-1/2" AFF.	P	O	1	2	1 EA	\$960
ITEM 98: MEETING ROOM 101	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" knee space.	Existing countertop is 36" high, with sink rim at 36-1/4" AFF and no forward approach provided to sink.	P	O	1	2	1 EA	\$960
ITEM 99: MEETING ROOM 102	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" knee space.	Existing countertop is 36" high, with sink rim at 36-1/4" AFF and no forward approach provided to sink.	P	O	1	2	1 EA	\$960
ITEM 100: MEETING ROOM 103	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" knee space.	Existing countertop is 36" high, with sink rim at 36-1/4" AFF and no forward approach provided to sink.	P	O	1	2	1 EA	\$960

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Sinks								
Barrier	723	At least 5%, or min. 1 of the sinks in accessible spaces exceeds 34" to the rim or counter OR lacks min. 30" wide knee space that is 27" high and 17" deep for a front approach OR lacks 30"x48" parallel approach. Note: A parallel approach is allowed in kitchens, kitchenettes, and wet bars if there is no cooktop or range.	Citation	2010 ADA Stds. 212.3,606.2, 606.3				
ITEM 101: MEETING ROOM 104	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" knee space.	Existing countertop is 36" high, with sink rim at 36-1/4" AFF and no forward approach provided to sink.	P	O	1	2	1 EA	\$960
ITEM 102: MERCER ROOM 107	Lower the mounting height of the sink to 34" max. while still providing the required 30" wide x 27" knee space.	Existing countertop is 36" high, with sink rim at 36-1/4" AFF and no forward approach provided to sink.	P	O	1	2	1 EA	\$960

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Storage / Lockers									
Barrier	742	The lockers lack the required 5% accessible lockers.							
			Citation	2010 ADA Stds. 225.2.1, 811					
ITEM 103: LOWER LEVER - MEN'S RESTROOM, SHOWER / LOCKER ROOM	Replace 1 of the existing large lockers with one that is accessible.	A clear space at least 30"x48" that allows forward or parallel approach, accessible hardware, and storage elements that are within a 15" - 48" reach range are required. Existing condition: there are 2 sizes of lockers provided. The small size has accessible lockers. The larger size does not.	P	O	5	4	1	EA \$320	
ITEM 104: LOWER LEVER - WOMEN'S RESTROOM, SHOWER / LOCKER ROOM	Replace 1 of the existing large lockers with one that is accessible.	A clear space at least 30"x48" that allows forward or parallel approach, accessible hardware, and storage elements that are within a 15" - 48" reach range are required. Existing condition: there are 2 sizes of lockers provided. The small size has accessible lockers. The larger size does not.	P	O	5	4	1	EA \$320	

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Telephones								
Barrier	745	The highest operable part exceeds max. 48" high for a front or side approach.						
			Citation	2010 ADA Stds. 308, 704.2.2				
ITEM 105: ENTRY LOBBY LEVEL - MERCER ROOM 107	Lower the existing telephone to meet requirements for reach ranges (for a side or a front approach).	Reach range (measured from highest operable part of telephone to finish floor) to be max. 48" AFF for a side or front approach. Existing wall mounted telephone is 54"+ AFF to controls.	P	O	1	4	1 EA	\$710
ITEM 106: LOWER LEVEL - DANCE ROOM 1	Lower the existing telephone to meet requirements for reach ranges (for a side or a front approach).	Reach range (measured from highest operable part of telephone to finish floor) to be max. 48" AFF for a side or front approach. Existing wall mounted telephone is 50"+ to operable controls.	P	O	1	4	1 EA	\$710
Total for Building: Community and Events Center								\$300,258

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Community and Events Center

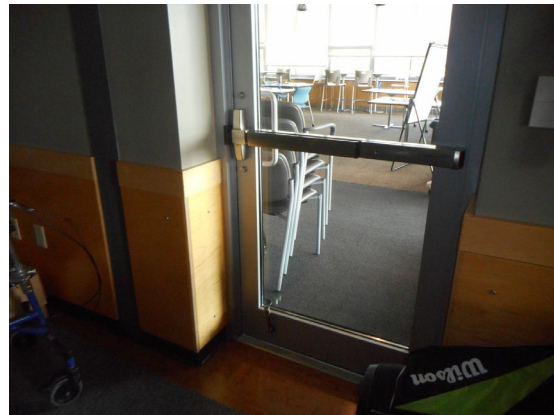
Upper Left: Accessible parking signs are mounted too low.

Upper Right: Exterior entry to the gymnasium has paving with an excessive slope.

Lower Left: Lower level entry door lacks a paved accessible route to the automatic door opener button.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

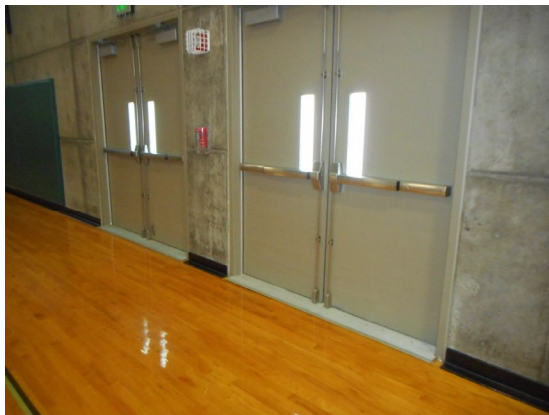


Community and Events Center

- Upper Left: Terrace does not provide edge protection &/or a guardrail between terrace and seating steps.
- Upper Right: Door between Mercer Rm. & Landing Rm. is recessed 11", and does not provide the required clearance on the push side.
- Lower Left: Fire alarm pull stations are mounted too high. 48" max. AFF required.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2



Community and Events Center

- Upper Left: Landing Rm. & Game Rm. require tables with accessible seating.
- Upper Right: Numerous door have 7-1/2" high bottom rail with hold open devices. Bottom surface of door on push side is required to be a smooth surface to 10" AFF.
- Lower Left: Surface mounted latching mechanisms obstruct the required 10" bottom smooth surface required on the push side.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3



Community and Events Center

- Upper Left: Entry level meeting rooms have countertops with sinks above the required 34" max. AFF height, and do not provide the forward approach knee space below sink.
- Upper Right: Slater Rm. public restroom does not provide an accessible stall of the min. required size.
- Lower Left: Mercer Rm. above countertop outlets and switches are not accessible for a side reach.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4



Community and Events Center

- Upper Left: Stair handrail protrudes into the accessible route.
- Upper Right: Gymnasium does not provide an accessible drinking fountain at required height, and with a forward approach knee space.
- Lower Left: Fitness Rm. drinking fountain is mounted at standing person height. An accessible drinking fountain at required height, and with a forward approach knee space is required.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.5



Community and Events Center

- Upper Left: Restroom signage does not provide the International Symbol of Accessibility.
- Upper Right: Locker room benches do not provide the required back support, and are not of the required size for accessibility. Each locker room requires an accessible bench.
- Lower Left: Toilet in the accessible stall is required to be 16" min. - 18" max. from the side wall. Many of these toilets are mounted too far from wall.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.6



Community and Events Center

- Upper Left: The length of the L-shaped grab bar section behind toilet is too short. Many grab bars are mounted too high. 1-1/2" between the grab bar and adjacent surface is required. Dispenser encroaches on clearance.
- Upper Right: Height of the sink rim exceeds the max. 34" AFF.
- Lower Left: At least one of the large lockers must be accessible.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.7



Community and Events Center

- Upper Left: Cabinetry blocks the required door maneuvering clearance at Daycare entry door.
- Upper Right: Wall mounted cabinets protrude into the required clear floor space at toilet. The length of the L-shaped grab bar section behind toilet is too short.
- Lower Left: Picnic tables in Daycare Center do not provide an accessible seat.

Community and Events Center

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.8

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: PARKING LOT - ADJACENT TO UPPER LEVEL ENTRY	Remount / raise existing stall signage.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: bottom of sign is 48" above paving.	P	O	1	1	EA	\$72

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	488	The operable controls exceed max. 48" high for a front or side approach for items less than 20" depth OR 44" for items that are 20" - 25" depth, and/or lacks 30"x48" clear floor space.	Citation	2010 ADA Stds. 309; 308				
ITEM 2: KITCHEN - TOWEL DISPENSER & FIRE EXTINGUISHER	Provide an additional item that has lower operating controls, or lower these items to 48" max. reach.	Existing paper towel dispenser and fire extinguisher are located above 56" AFF.	P	O	1	2	2 EA	\$0
ITEM 3: STAFF ENTRANCE - UPPER LEVEL	Provide an additional item that has lower operating controls.	Existing card reader is mounted at 49" - 53" AFF, and entry code buttons are mounted at 54" - 58" AFF.	P	O	1	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 4: STAFF ENTRANCE DOOR - UPPER LEVEL	Relocate existing walls adjacent to door to provide maneuvering space at door.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1 Existing condition: on the exterior, the 18" is provided at a depth less than 8" (angled entry wall.). On the push side, door latch to the side wall measures 6" (12" required when door has both a latch & closer).	P	O	1	2	10	LF \$720
ITEM 5: UPPER LEVEL - SW OFFICE	Reverse the swing direction of the door.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). See additional Dimensions for other approaches in 404.2.4.1 Existing door has 6" width on the pull / latch side.	P	O	1	2	1	EA \$810
Barrier	617	The door hardware is lower than 34" min. or exceeds max. 48" high.	Citation	2010 ADA Stds. 404.2.7				
ITEM 6: STAFF ENTRANCE DOOR - UPPER LEVEL	Remount existing hardware to be within allowable height. Put blank plate over old location.	Existing lever-style door hardware is 51" AFF.	P	O	1	2	1	EA \$390

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
Barrier	656	The controls / operating mechanisms require twisting, pinching, or gripping to operate, require in excess of 5 lbs. force, are not within compliant reach range, or lack 30"x48" clear floor space.	Citation	2010 ADA Stds. 205, 308, 309				
ITEM 7: KITCHEN - UPPER LEVEL	Relocate the indicated countertop outlet or switch to an accessible level 46" max. to the highest operable over a 34" max. height countertop. Suggest mounting outlets in the face of the base cabinets.	Countertop depths per ADAS are limited to 24" max. in depth and 34" max. in height to allow for an accessible reach range. Existing condition: 25-1/2" deep x 36" high countertop, with outlets at 46-1/2" AFF.	P	O	1	1	1	1 STY \$190

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Kitchens - Lounges								
Barrier	529	The U-shaped kitchen or dead end kitchen (enclosed on 3 sides) lacks 60" clear between all opposing counters, base cabinets, appliances or walls.	Citation	2010 ADA Stds. 804.2.2				
ITEM 8: KITCHEN - UPPER LEVEL	Relocate misc. items.	Existing water bottles and misc. items block the required 60" diameter turning space.	P	O	1	2	0	EA \$0
Barrier	531	The kitchen sink exceeds 34" high, lacks 30" wide knee space if a range or cooktop is provided, or has inaccessible hardware.	Citation	2010 ADA Stds. 804.4				
ITEM 9: KITCHEN - UPPER LEVEL	Lower the sink to be 34" max. AFF and provide cabinets below the sink that have the knee & toe space clearance.	Existing condition: sink is in a 36" high countertop. Due to the kitchen containing a range, a forward approach is required at the kitchen sink.	P	O	1	2	1	EA \$2,100
Barrier	532	The kitchen lacks the 50% of storage at an accessible level of 15" min. to 48" max.	Citation	2010 ADA Stds. 804.5				
ITEM 10: KITCHEN - UPPER LEVEL	Provide additional storage to meet the required 50% max. E&A suggests the existing metal cabinet be used as a pantry.	Existing kitchen cabinets are in excess of 54" AFF.	P	O	1	2	0	LF \$0
Barrier	534	The oven lacks the required work surface on the latch side of the oven for side hinge doors, the bottom hinge oven lacks the work surface on either side of the oven, or the controls are not on the front panel.	Citation	2010 ADA Stds. 804.6.5				
ITEM 11: KITCHEN - UPPER LEVEL	Replace the oven with one that has front mounted controls.	Existing range has controls on the rear panel.	P	O	1	2	1	EA \$1,390

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET	
Kitchens - Lounges										
ITEM 12: KITCHEN - UPPER LEVEL	Provide compliant 30" wide x 34" high work surface on the latch side of the door for side hinge or either side for bottom hinge. Work surface requires a forward approach with knee & toe space.	Existing kitchen has no work surface adjacent to the oven.	P	O		1	2	1	EA	\$1,830
Total for Building: Maintenance Hall									\$7,502	

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Maintenance Building

- Upper Left: Accessible parking sign is required to be remounted to 60" min. above pavement to bottom surface.
- Upper Right: Entry door lacks the required maneuvering clearance space.
- Lower Left: Entry door hardware is mounted above accessible reach.

Maintenance Building

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



Maintenance Building

- Upper Left: Kitchen range has controls that require a reach over the burners. Kitchens with cooktops require an adjacent work surface with knee & toe space.
- Upper Right: Sink is 36" AFF (34" max. required). Outlets and switches mounted above countertop are not accessible for a side reach due to countertop height & depth.
- Lower Left: Metal cabinets and water bottles block the required turn-around space. Paper towel dispenser and fire extinguisher are mounted too high.

Maintenance Building

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Assembly Areas - Indoor / Outdoor									
Barrier	827	The courtroom lacks an assistive listening system or lacks the adequate number of receivers or receivers with hearing aid capability.	Citation	2010 ADA Stds. 219.2, 706, 219.3					

ITEM 3: COURTROOM	Provide a wireless assistive listening system (induction loop, infrared, or FM radio transmission). Provide signage which complies with 4.30 to notify of the availability of this system.	Such assembly areas with fixed or loose seating (with exception of courtrooms), if they have audio-amplification systems they shall have a permanently installed assistive listening system complying with 706. Receivers: A 1/8" standard mono jack shall be provided per table 219.3. Quantity required: For (50 or less) seats = 2 and 2 hearing aid compatible; For (51 to 200) seats = 2 plus 1 for every 25 over 50 seats and 2 hearing aid compatible, etc. (see table in 219.3). (Note: Hearing aid compatible receivers shall interface with telecoils in hearing aids through the provision of neck-loops.) If more than 1 assembly area is under one management - total calculation based upon total seats in assembly areas in the building, provided they are usable with all systems. (Note: where seats in assembly area are served by induction loop system, not required to be hearing aid compatible.)	P	O	1	2	2	EA	\$2,200
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See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	481	The sales or service counter lacks a 36" long lowered portion of counter that is max. 36" high for a 48" parallel approach or is not 30" long min. with knee space for a forward approach or does not extend the same depth as the sales or service countertop.	Citation	2010 ADA Stds. 227.3, 904.4.2, 902.3				
ITEM 4: BUSINESS LICENSING COUNTER	Provide an accessible counter with a 36" AFF countertop height (min. 36" length).	Existing service counter for Finance, Utility Bills, and Business Licensing is 42" AFF.	P	O	1	2	1 EA	\$1,250
ITEM 5: COURT CLERK	Modify the existing counter to 36" max. AFF for 36" min. long, or 24" min. long if the 36" length would result in the loss of a station.	Existing court clerk counter is 44" AFF.	P	O	1	2	1 EA	\$750
ITEM 6: DEVELOPMENT SERVICES COUNTER	Remove the contents and displays on the counter in order to provide 36" unobstructed width.	Service counter has an adjacent counter at compliant height and with the required knee & toe space. However, work surface is occupied with miscellaneous brochures and items.	P	O	1	2	1 EA	\$0
ITEM 7: POLICE LOBBY	Lower the existing counter to 36" AFF (with min. 36" length). Add skirt to bottom or a cane detection device at the floor where it will not be a protruding object.	Existing countertop adjacent to Police window is 39" AFF.	P	O	1	2	1 EA	\$750

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	CITATION	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements									
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	2010 ADA Stds. 902.1, 226, 226.2						
ITEM 8: ACCESSIBLE PICNIC TABLE IN COURTYARD - NORTH OF COURTROOM	Provide additional accessible picnic table in courtyard with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table.	Existing picnic table is not accessible.		P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 9: CITY HALL MAIN ENTRY - SOUTH OF COURTROOM	Add new portion of exterior surface (at door approach).	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Existing door maneuvering space at door approach measures 4% slope.	P	O	1	2	40 SF	\$2,020
ITEM 10: CITY HALL MAIN ENTRY - SOUTH OF COURTROOM	Secure movable area rug or mat with double stick tape at all edges.	Owner / Maintenance item.	P	O	1	1	2 EA	\$0
ITEM 11: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Remove obstruction to allow door to open fully.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1 Existing entry door does not open fully (90 degrees) to provide door maneuvering space on the interior restroom side.	P	O	1	2	1 EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
ITEM 12: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Reverse the swing direction of the door to swing out from restroom.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1 Existing entry door lacks the 18" width on the pull side, and is recessed 18" on the bathroom side of the door.	P	O	1	2	1 EA	\$810
ITEM 13: POLICE ENTRY - SOUTH ENTRY DOORS	Secure movable area rug or mat with double stick tape at all edges.	Owner / Maintenance item.	P	O	1	1	1 EA	\$0
ITEM 14: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Reverse the swing direction of the door to swing out from restroom.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1 Existing entry door lacks the 18" width on the pull side, and is recessed 25" on the bathroom side of the door.	P	O	1	2	1 EA	\$810

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
ITEM 15: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Reverse the swing direction of the door to swing out from restroom.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1 Existing entry door lacks the 18" width on the pull side, and is recessed 18" on the bathroom side of the door.	P	O	1	2	1 EA	\$810

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Drinking Fountains								
Barrier	757	The water fountain is not accessible to standing persons with a spout outlet located 38" to 43" high.	Citation	2010 ADA Stds. 602.7				

ITEM 16: MUNICIPAL COURT - ENTRY LOBBY	Remove the water fountain and provide a hi-low wall mounted fountain. Ensure the lower fountain bottom surface is at 27" AFF, and located on the open side.	The knee space is required to be 30" wide, 27" high, and at least 17" deep. Where there is one per floor, one must be wheelchair accessible, and those with difficulty bending should be accommodated by use of a hi-low or other means (such as a paper cup dispenser). Where more than one per floor, 50% must be wheelchair accessible. In WA, a hi-low model is required where there is one fountain. Existing fountain is a single fountain with spout at 39" AFF.	P	O	1	4	1	EA	\$6,600
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
Barrier	647	The area has existing steps but lacks an accessible route.						
			Citation	2010 ADA Stds. 303, 405, 406, 206.7				
ITEM 17: COURTROOM	Provide a wheelchair platform lift.	Platform lifts shall be permitted as a component of an accessible route in an existing building or facility. Existing courtroom has steps up to the jury box, the witness station, and the judges platform.	P	O	1	2	2 EA	\$61,800
Barrier	648	The object exceeds 48" high for an unobstructed side or front approach OR for obstructed approach exceeds 46" high x 24" depth on a 34" countertop OR is placed on a countertop exceeding 34" in height and is not flush with the countertop edge.						
			Citation	2010 ADA Stds. 308				
ITEM 18: LICENSING AREA	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing fire extinguisher cabinet has door handle with its lowest part at 48-1/2" AFF. If altered per 2010 Standards, the item should be below 48" AFF.	P	O	8	2	1 EA	\$0
ITEM 19: LICENSING AREA - FIRE EXTINGUISHER CABINET	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	The door handle measures 48-1/2". If altered, per 2010 Standards, the item should be below 48" AFF.	P	O	8	2	1 EA	\$0
ITEM 20: POLICE LOBBY - PHONE BY TV	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing telephone that is to be used when police window blinds are closed is mounted with controls above 54" AFF, and is located above a 42" high countertop. If altered, per 2010 Standards, the item should be below 48" AFF.	P	O	8	2	1 EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
Barrier	651	The ramp lacks compliant handrails OR the existing handrails are not compliant in configuration.	Citation	2010 ADA Stds. 505.5, 505.7.2, 405.8				
ITEM 21: COUNCIL ROOM	Leave the existing handrail and provide a new one at 34" - 38" AFF on the other side of the ramp.	Handrails should be 34" - 38" AFF, 1-1/2" min. from a wall. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 6-1/4" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. Existing ramp to judge's platform has a handrail on one side only.	P	O	4	2	8 LF	\$404
Barrier	656	The controls/operating mechanisms require twisting, pinching, or gripping to operate, require in excess of 5 lbs. force, are not within compliant reach range, or lack 30"x48" clear floor space.	Citation	2010 ADA Stds. 205, 308, 309				
ITEM 22: COUNCIL CHAMBERS	Replace the control with an accessible model and/or relocate to an accessible height.	Existing speaker podium platform is 42" AFF and has a microphone mounted on it. No forward approach with knee & toe space is provided. Control is required to be 15" min. - 48" max. for an unobstructed approach. Controls over obstructions between 10" - 24" deep and 34" max. high shall be 46" max. high for a parallel approach and 44" max. high for a forward approach with knee space.	P	O	1	2	1 EA	\$1,500
ITEM 23: POLICE LOBBY	Replace the control with an accessible model and/or relocate to an accessible height, with no countertop below.	Control is required to be 15" min. - 48" max. for an unobstructed approach. Controls over obstructions between 10" - 24" deep and 34" max. high shall be 46" max. high for a parallel approach and 44" max. high for a forward approach with knee space. Existing condition: "Push for Service" button / speaker is mounted at 60" AFF and above a countertop.	P	O	1	2	1 EA	\$220

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Restrooms / Bathrooms

Barrier	671	The accessible toilet stall lacks the min. required dimensions, or the accessible water closet lacks the min. required 60" wide clear floor space.	Citation	2010 ADA Stds. 604, 213				
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ITEM 24: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Remove 1 toilet stall, and reconfigure area to provide 1 compliant accessible stall that meets standard stall size requirements. Budget cost includes removing metal partition and toilet fixture with accessories, and replacing with new portion of partition.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Note: In alterations where technically infeasible, not required to be accessible IF accessible unisex toilet is provided nearby. Existing restroom does not provide an accessible stall.	P	O	1	3	1	EA	\$3,080
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ITEM 25: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Remove 1 toilet stall, and reconfigure area to provide 1 compliant accessible stall that meets standard stall size requirements. Budget cost includes removing metal partition and toilet fixture with accessories, and replacing with new portion of partition.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Note: In alterations where technically infeasible, not required to be accessible IF accessible unisex toilet is provided nearby. Existing restroom does not provide an accessible stall.	P	O	1	3	1	EA	\$3,080
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Restrooms / Bathrooms								
Barrier	675	The stall door swing encroaches on clear floor space within stall, or the door is not located on the wide side of the stall, or the door is more than 4" from side panel.	Citation	2010 ADA Stds. 604.8.1.2				
ITEM 26: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA, WHEELCHAIR ACCESSIBLE STALL	Revise the front stall partition to relocate the door to the wide side of the stall with a 4" max. hinge side panel, and revise door to swing out of the stall..	The door to the accessible stall is required to be the open side of the stall to provide door maneuvering space on the inside of the stall. Existing door swings into the stall and hits the front of the toilet.	P	O	1	3	1 EA	\$1,640
Barrier	677	The coat hook exceeds 48" high for a front or side approach or the shelves are not mounted 40" min. and 48" max. AFF.	Citation	2010 ADA Stds. 603.4, 308				
ITEM 27: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Lower the shelf or provide another at an accessible location. Mount shelf at 40" min. to 48" max.	Existing shelf is mounted at 50" AFF.	P	O	1	3	1 EA	\$150
ITEM 28: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA, WHEELCHAIR ACCESSIBLE STALL	Provide an additional lower coat hook. Mount at 48" or lower.	Existing coat hook in wheelchair accessible stall is mounted 61" AFF.	P	O	1	3	1 EA	\$150
ITEM 29: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Lower the shelf or provide another at an accessible location. Mount shelf at 40" min. to 48" max.	Existing shelf is mounted at 51" AFF.	P	O	1	3	1 EA	\$150

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Restrooms / Bathrooms								
ITEM 30: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA, WHEELCHAIR ACCESSIBLE STALL	Provide an additional lower coat hook. Mount at 48" or lower.	Existing coat hook is mounted 60" AFF.	P	O	1	3	1 EA	\$150
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 31: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing toilet is 15-1/4" from side wall.	P	O	1	3	1 EA	\$230
ITEM 32: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Replace the toilet with an accessible model and relocate to be 16" - 18" from the centerline to the wall, with seat height 17" - 19" AFF, and flush handle located on the open side..	Existing restroom does not have an accessible toilet and/or toilet stall.	P	O	1	3	1 EA	\$3,610
ITEM 33: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing toilet is 18-1/2" from side wall.	P	O	1	3	1 EA	\$230
ITEM 34: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Replace the toilet with an accessible model and relocate to be 16" - 18" from the centerline to the wall, with seat height 17" - 19" AFF, and flush handle located on the open side.	Existing restroom does not have an accessible toilet and/or toilet stall.	P	O	1	3	1 EA	\$3,610

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Restrooms / Bathrooms								
Barrier	679	The toilet seat height is not between 17" and 19" high.	Citation	2010 ADA Stds. 604.4, 604.9				
ITEM 35: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Install a lift seat.	Seat shall not be sprung to return to a lifted position. Existing toilet seat is 16" AFF.	P	O	1	3	1 EA	\$210
Barrier	680	The toilet lacks compliant side and/or rear grab bars.	Citation	2010 ADA Stds. 604.5				
ITEM 36: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Install new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. 2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height. Existing restroom does not provide an accessible toilet and toilet stall.	P	O	1	3	1 EA	\$1,150
ITEM 37: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Install new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. 2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height. Existing restroom does not provide an accessible toilet and toilet stall.	P	O	1	3	1 EA	\$1,150

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Restrooms / Bathrooms								
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting or pinching to operate.	Citation	2010 ADA Stds. 604.6				
ITEM 38: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Reverse controls or provide a retrofit sensor control on the wall mounted toilet.	Flush controls shall comply with reach ranges specified in Section 309. Existing flush control is located on the corner side.	P	O	1	3	1 EA	\$810
Barrier	683	The toilet paper dispenser is not mounted 7" to 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 39: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Relocate the dispenser in compliant location in new accessible toilet stall.	Existing restroom does not have an accessible toilet and toilet stall.	P	O	1	3	1 EA	\$72
ITEM 40: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Relocate the dispenser in compliant location in new accessible toilet stall.	Existing restroom does not have an accessible toilet and toilet stall.	P	O	1	3	1 EA	\$72
Barrier	684	The bathroom contains more than one urinal and the rim exceeds 17" high or is not 13-1/2" deep.	Citation	2010 ADA Stds. 605.2				
ITEM 41: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Replace the urinal with an accessible one.	Urinals shall be mounted with the rim no higher than 17" AFF and the urinal should extend 13-1/2" min. Existing restroom has three non-accessible urinals.	P	O	1	3	1 EA	\$2,440
ITEM 42: MEN'S RESTROOM - ADJACENT TO THE COURTROOM AREA	Lower one urinal.	Cost includes lowering flush valve at the same time. Urinals shall be mounted with the rim no higher than 17" AFF and the urinal should extend 13-1/2" min. Existing five urinals are mounted with rim at 24" AFF.	P	O	1	3	1 EA	\$1,910

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Restrooms / Bathrooms								
Barrier	687	The lavatory rim exceeds 34" high measured to the rim or countertop, whichever is higher.	Citation	2010 ADA Stds. 606.3				
ITEM 43: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Reduce height of existing lavatory.	Where lavatories are provided at least 1 shall be accessible and not be located in a toilet compartment. Existing lavatory rims are 34-1/2" AFF.	P	O	1	3	1 EA	\$960
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 44: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Replace lavatory with an accessible model.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing lavatories do not provide compliant knee space area.	P	O	1	3	1 EA	\$2,340
ITEM 45: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Cut apron to provide knee space.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing vanity has knee space with bottom at 23" AFF (27" min. AFF required).	P	O	1	3	1 EA	\$450
Barrier	689	The lavatory lacks insulation at water supply and drain pipes.	Citation	2010 ADA Stds. 606.5				
ITEM 46: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Insulate pipes.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing lavatory sink pipes are unwrapped.	P	O	1	3	2 EA	\$360
ITEM 47: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Insulate pipes.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing lavatory sinks are unwrapped.	P	O	1	3	2 EA	\$360

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Restrooms / Bathrooms								
ITEM 48: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Insulate pipes.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing lavatory sinks are unwrapped.	P	O	1	3	3 EA	\$540
Barrier	690	The faucet hardware requires twisting, pinching, or gripping to operate OR requires excessive force (over 5 lbs.) to operate OR metered faucet does not stay on for a min. of 10 seconds.	Citation	2010 ADA Stds. 606.4				
ITEM 49: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Replace faucet hardware with lever-type handles.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing faucet hardware requires grasping and twisting of the wrist to operate.	P	O	1	3	1 EA	\$960
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 50: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Wall mounted mirrors are required to be 35" max. and 74" min. to the reflected surface (tall mirrors). Existing above countertop mirror is 41-1/2" AFF.	P	O	1	3	1 EA	\$150
ITEM 51: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Wall mounted mirrors are required to be 35" max. and 74" min. to the reflected surface (tall mirrors). Existing above countertop mirror is 40-1/2" AFF.	P	O	1	3	1 EA	\$150

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Restrooms / Bathrooms								
Barrier	693	The indicated object at the restroom is a protruding object, which projects more than 4" into accessible route with its leading edge between 27" and 80" high.	Citation	2010 ADA Stds. 307.2				
ITEM 52: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Place a waste receptacle or other detectable object beneath the protruding object.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing shelf extends more than 4" from the wall, and is 50" AFF to its bottom edge.	P	O	1	3	1 EA	\$0
ITEM 53: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Place a waste receptacle or other detectable object beneath the protruding object.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing shelf extends more than 4" from the wall, and is 50" AFF to its bottom edge.	P	O	1	3	1 EA	\$0
ITEM 54: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Place a waste receptacle or other detectable object beneath the protruding object.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing sanitary dispenser projects 6-1/2" from the wall, and bottom surface is 36" AFF.	P	O	1	3	1 EA	\$0
ITEM 55: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Place a waste receptacle or other detectable object beneath the protruding object.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing paper towel dispenser and sanitary dispenser extend more than 4" from the wall, and are above 27" AFF to bottom edge.	P	O	1	3	1 EA	\$0

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Restrooms / Bathrooms								
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 56: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Relocate or lower the towel dispenser(s).	Existing towel dispenser is mounted with controls at 49" AFF. Dispensers are required to be max. 48" high for a front and parallel approach. CA Title 24 requires 40" max. height. Dispensers are required to be max. 48" high for a front and parallel approach. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	1	3	1 EA	\$150
ITEM 57: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing seat cover dispenser in the wheelchair accessible toilet stall measures 54" AFF to dispenser. If altered, per 2010 Standards, the item should be below 48" AFF.	P	O	8	2	1 EA	\$0
ITEM 58: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Relocate or lower the towel dispenser(s). Suggest relocation be adjacent to countertop, not above it.	Existing towel dispenser(s) are mounted with controls at 61" AFF.	P	O	1	3	1 EA	\$150
ITEM 59: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing towel dispenser is mounted with controls at 51" AFF. If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.	P	O	8	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Mercer Island City Hall

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Restrooms / Bathrooms									
ITEM 60: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Relocate or lower the towel dispenser(s). Suggest relocation be adjacent to countertop, not above it.	Existing towel dispenser(s) are mounted with controls at 60" AFF.	P	O	1	3	1 EA	\$150	
Barrier	7836	The specified baby changing station exceeds a max. reach range of 48" high for a front or side approach, and/or it lacks clear floor space or the table surface is not 28" - 34" high when folded down.	Citation 2010 ADA Stds. 309, 308.3						
ITEM 61: MEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Relocate the tables not meeting the work surface requirement of 28" - 34" high x 27" min. knee space x 17" min. depth when table is in the fold down position. To avoid protruding object hazard, bottom surface of table in the open position should be 27" AFF.	Existing baby changing table has table surface rim at 39" AFF and table surface at 35-1/2" AFF. When in the open position table presents a protruding object hazard.	P	O	1	3	1 EA	\$150	
ITEM 62: WOMEN'S RESTROOM - ADJACENT TO COURTROOM AREA	Relocate the tables not meeting the work surface requirement of 28" - 34" high x 27" min. knee space x 17" min. depth when table is in the fold down position. To avoid protruding object hazard, bottom surface of table in the open position should be 27" AFF.	Existing baby changing table has table surface rim at 38-1/2" AFF and table surface at 35" AFF. When in the open position table presents a protruding object hazard.	P	O	1	3	1 EA	\$150	

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Mercer Island City Hall

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	716	The accessible building entry or restroom sign lacks signage displaying the International Symbol of Accessibility OR the Pictogram is not 6" high min.	Citation	2010 ADA Stds. 703.7.2.1, 216.6, 216.8				
ITEM 63: MEN'S RESTROOM - ADJACENT TO LICENSING AREA	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing restroom has no accessible signage.	P	O	1	2	1 EA	\$180
ITEM 64: WOMEN'S RESTROOM - ADJACENT TO LICENSING AREA	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing restroom has no accessible signage.	P	O	1	2	1 EA	\$180

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

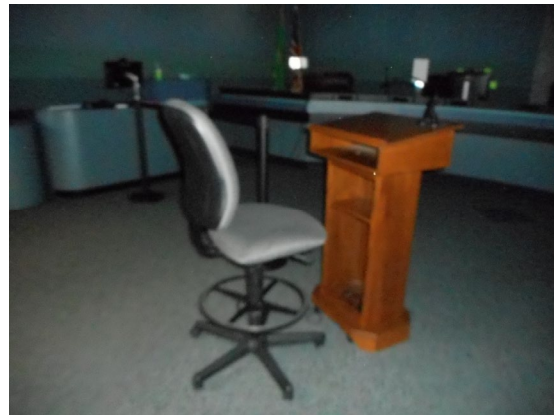
Mercer Island City Hall

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Telephones									
Barrier	745	The telephone's highest operable part exceeds max. 48" high for a front or side approach.							
			Citation	2010 ADA Stds. 308, 704.2.2					
ITEM 65: POLICE LOBBY - PHONE BY TV	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied.	P	O	8	2	1	EA \$0	
Total for Building: Mercer Island City Hall								\$122,008	

See Survey Legend and ADA Overview Report Section for more important information.

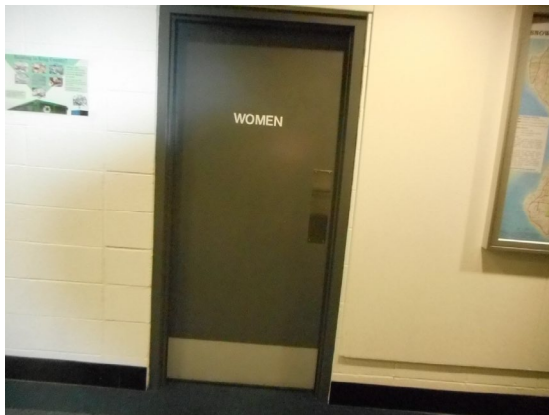


City Hall

- Upper Left: Council Room requires accessible seating adjacent to a companion seat.
- Upper Right: Speaker's podium in Council Room to provide a forward approach to accessible microphone.
- Lower Left: Ramp to judge's platform in Council Room requires additional handrail.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



City Hall

- Upper Left: Business License area requires an accessible counter.
- Upper Right: Fire extinguishers and their cabinets required to be located at an accessible height.
- Lower Left: Accessible restroom signage is required.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2



City Hall

- Upper Left: Restrooms adjacent to Licensing area shall provide an accessible stall.
- Upper Right: Men's restroom adjacent to Licensing area shall provide an accessible urinal.
- Lower Left: Men's restroom adjacent to Licensing area shall provide an accessible lavatory with compliant knee & toe space.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3



City Hall

- Upper Left: Restroom entry doors require min. 18" maneuvering clearance on pull side (or a power door operator).
- Upper Right: Restroom entry doors require min. 18" maneuvering clearance on pull side (or a power door operator).
- Lower Left: Women's restroom near Licensing shall have at least one lavatory with accessible controls on faucets, and exposed pipes isolated from contact.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4



City Hall

- Upper Left: Dispensers present protruding object hazard, requiring relocation or permanent barrier located below.
- Upper Right: Baby changing tables require relocation due to height.
- Lower Left: Wheelchair accessible toilets are required to be 16" min. - 18" max. from side wall. Relocation required at some toilets.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.5

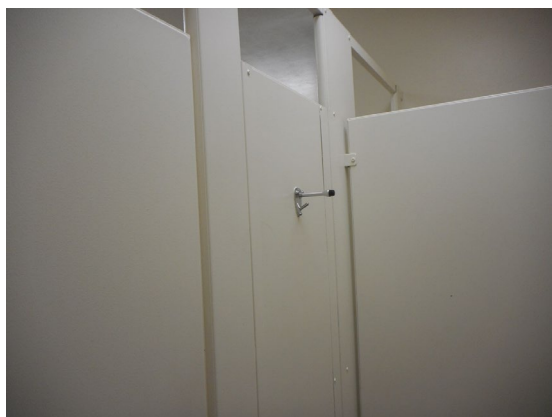


City Hall

- Upper Left: Women's restroom near Courtroom: door to accessible compartment located on wrong side of compartment and swings in.
- Upper Right: Women's restroom near Courtroom: toilet location should be adjusted. Flush control should be on open side.
- Lower Left: Men's restroom near Courtroom: one urinal should be accessible.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.6

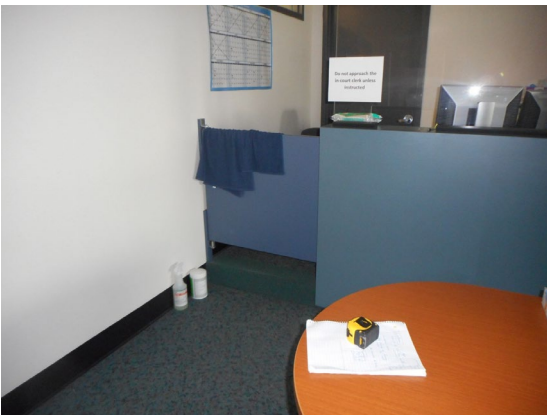
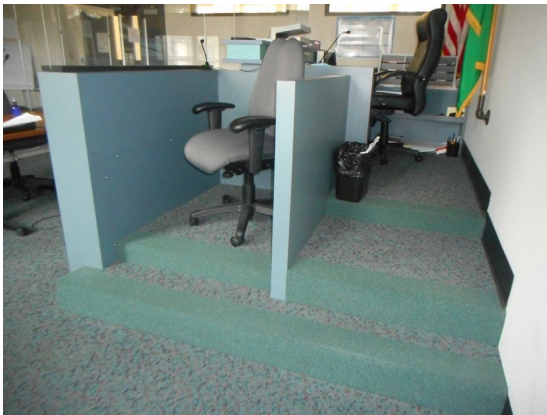


City Hall

- Upper Left: Coat hooks and dispensers in accessible toilet stalls shall be mounted at accessible heights.
- Upper Right: Rubber mats at entries shall be secured.
- Lower Left: Drinking fountain near courtroom entry should be a hi-low type for both wheelchair users and standing persons.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.7

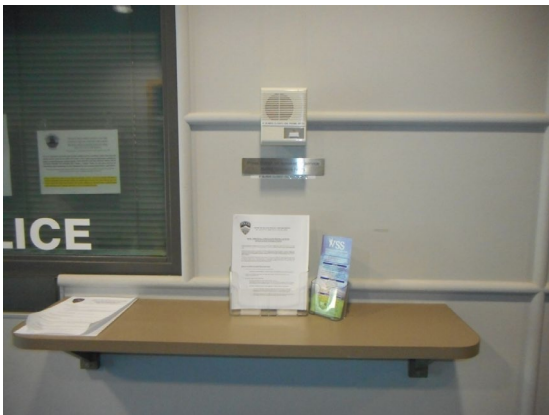


City Hall

- Upper Left: Courtroom: witness box and judge's platform have stairs (no accessible route).
- Upper Right: Courtroom: juror's area has stairs (no accessible route).
- Lower Left: Courtroom: court clerk counter required to be lowered to 36" AFF max.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.8



City Hall

- Upper Left: Exterior sidewalk approaching main entry has an excessive slope.
- Upper Right: Picnic table requires an accessible seat.
- Lower Left: Police Lobby: Service call button should be at accessible height. Countertop shall be lowered to 36" max. AFF.

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.9



City Hall

Upper Left: Police Lobby: telephone and counter should be lowered to accessible height.

Upper Right:

Lower Left:

City Hall

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.10

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

77th Ave. SE Landing

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 1: ACCESSIBLE ROUTE TO BENCH AND WATERFRONT	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings. Further design study and civil engineering may be required.	Existing site has a dirt path down to the bench and waterfront viewing area.	P	O	1	2	140 LF	\$4,945
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 2: ACCESSIBLE BENCH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: adjacent to each side of the bench is a lawn area, and no clear floor space is provided.	P	O	7	2	10 SF	\$250
Total for Building: 77th Ave. SE Landing								\$5,195

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



77th Ave. SE Street End

Upper Left: Park entry lacks an accessible route. No parking is provided.

Upper Right: No accessible route to park amenities.

Lower Left: Bench requires an adjacent clear floor space at one end.

77th Ave. SE Street End

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Aubrey Davis Park

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: PARKING LOT AT FERONGLIA FIELDS - ACCESSIBLE PARKING	Provide new sign posts to raise existing signs to accessible height.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: Signs provided measured 39" high.	P	O	1	1	2 EA	\$580
ITEM 2: WEST PARKING LOT - ACCESSIBLE PARKING	Add new sign displaying the International Symbol of Accessibility at one existing accessible stall.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: No sign is provided at one accessible parking space (other accessible space has sign).	P	O	1	1	1 EA	\$290

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS

Survey Results - by Building / Element

For City of Mercer Island for Transpo

Aubrey Davis Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
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Assembly Areas - Indoor / Outdoor

Barrier	563	The assembly area lacks the minimum quantity of wheelchair seating areas with adjoining companion seats.	Citation	2010 ADA Stds. 221.2.1				
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ITEM 3: EAST BALLFIELD - EAST BLEACHERS, FERROGLIA FIELDS	Designate min. 66"x48" space between bleachers and dugout for 1 wheelchair space and 1 companion seat (aligned with front edge of bleachers). Move bleachers as required away from dugout and ballfield fencing to maintain 36" min. wide accessible route (44" min. per Code). Relocate trash and recycling receptacles as required (ensuring 30"x48" level clear floor space adjacent opening). Costs are for 2 signs, not for moving the bleachers.	Existing bleachers provide seating for approximately 18 people - 1 wheelchair space and 1 companion space required. Quantity required: For (4 to 25) fixed seats= 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2	EA	\$102
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ITEM 4: EAST BALLFIELD - NORTH BLEACHERS, FERROGLIA FIELDS	Designate min. 66"x48" space between bleachers and dugout for 1 wheelchair space and 1 companion seat (aligned with front edge of bleachers). Move bleachers as required away from dugout and ballfield fencing to maintain 36" min. wide accessible route (44" min. per Code). Relocate trash and recycling receptacles as required (ensuring 30"x48" level clear floor space adjacent opening). Costs are for 2 signs, not for moving the bleachers.	Existing bleachers provide seating for approximately 18 people - 1 wheelchair space and 1 companion space required. Quantity required: For (4 to 25) fixed seats= 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2	EA	\$102
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See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Aubrey Davis Park

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Assembly Areas - Indoor / Outdoor								
ITEM 5: WEST BALLFIELD - SOUTH BLEACHERS, FERROGLIA FIELDS	Designate min. 66"x48" space between bleachers and dugout for 1 wheelchair space and 1 companion seat (aligned with front edge of bleachers). Move bleachers as required away from dugout and ballfield fencing to maintain 36" min. wide accessible route (44" min. per Code). Relocate trash and recycling receptacles as required (ensuring 30"x48" level clear floor space adjacent opening). Costs are for 2 signs, not for moving the bleachers.	Existing bleachers provide seating for approximately 18 people - 1 wheelchair space and 1 companion space required. Quantity required: For (4 to 25) fixed seats= 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2 EA	\$102
ITEM 6: WEST BALLFIELD - WEST BLEACHERS, FERROGLIA FIELDS	Designate min. 66"x48" space between bleachers and dugout for 1 wheelchair space and 1 companion seat (aligned with front edge of bleachers). Move bleachers as required away from dugout and ballfield fencing to maintain 36" min. wide accessible route (44" min. per Code). Relocate trash and recycling receptacles as required (ensuring 30"x48" level clear floor space adjacent opening). Costs are for 2 signs, not for moving the bleachers.	Existing bleachers provide seating for approximately 18 people - 1 wheelchair space and 1 companion space required. Quantity required: For (4 to 25) fixed seats= 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2 EA	\$102

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Aubrey Davis Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 7: PICNIC TABLES AT CENTRAL GREEN SPACE	Replace 3 picnic tables with accessible picnic tables (or remove 1 bench on 3 existing picnic tables to make them accessible). Ensure mounting plate is recessed in slab or does not encroach on toe space 17" min. deep from front edge of table.	Picnic table tops shall be no higher than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space. Ensure mounting plate does not encroach on toe space; change in level is not permitted within 30"x48" clear floor space at accessible seating. Existing condition: 1 accessible picnic table is provided; 4 are required.	P	O	1	2	3	EA \$7,500
ITEM 8: PICNIC TABLES IN & AROUND PICNIC SHELTER	Replace 3 picnic tables with accessible picnic tables (or remove 1 bench on 3 existing picnic tables to make them accessible). Ensure mounting plate is recessed in slab or does not encroach on toe space 17" min. deep from front edge of table.	Picnic table tops shall be no higher than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space. Ensure mounting plate does not encroach on toe space; change in level is not permitted within 30"x48" clear floor space at accessible seating. Existing condition: 1 accessible picnic table is provided; 4 are required.	P	O	1	2	3	EA \$7,500

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Aubrey Davis Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Doors									
Barrier	611	The single door or single leaf of a double leaf door lacks the min. 32" clear opening width measured between the open door face and door stop.	Citation	2010 ADA Stds. 404.2.3, 404.2.2					
ITEM 9: EXTERIOR GATE TO EAST DUGOUT - EAST BALL DIAMOND, FERROGLIA FIELDS	Widen the opening and install a wider gate (with min. 32" clear opening width).	Gate shall provide min. clear width of 32" when gate is opened 90 degrees. Existing condition: Gate opening measured 29" wide.	P	O	1	2	1 EA	\$575	
ITEM 10: EXTERIOR GATE TO NORTH DUGOUT - EAST BALL DIAMOND, FERROGLIA FIELDS	Widen the opening and install a wider gate (with min. 32" clear opening width).	Gate shall provide min. clear width of 32" when gate is opened 90 degrees. Existing condition: Gate opening measured 29" wide.	P	O	1	2	1 EA	\$575	
ITEM 11: EXTERIOR GATE TO SOUTH DUGOUT - WEST BALL DIAMOND, FERROGLIA FIELDS	Widen the opening and install a wider gate (with min. 32" clear opening width).	Gate shall provide min. clear width of 32" when gate is opened 90 degrees. Existing condition: Gate opening measured 28-1/2" wide.	P	O	1	2	1 EA	\$575	
ITEM 12: EXTERIOR GATE TO WEST DUGOUT - WEST BALL DIAMOND, FERROGLIA FIELDS	Widen the opening and install a wider gate (with min. 32" clear opening width).	Gate shall provide min. clear width of 32" when gate is opened 90 degrees. Existing condition: Gate opening measured 29" wide.	P	O	1	2	1 EA	\$575	
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4					
ITEM 13: DIAMOND GATE TO EAST DUGOUT - EAST BALL DIAMOND, FERROGLIA FIELDS	Switch the hinge side of the gate.	Gate from diamond to dugout has no maneuvering space beyond latch side of gate. Maneuvering space shall be 18" min. at latch side and 60" min. perpendicular to gate for pull side of gate, forward approach.	P	O	1	2	1 EA	\$250	

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 14: DIAMOND GATE TO NORTH DUGOUT - EAST BALL DIAMOND, FERROGLIA FIELDS	Switch the hinge side of the gate.	Gate from diamond to dugout has no maneuvering space beyond latch side of gate. Maneuvering space shall be 18" min. at latch side and 60" min. perpendicular to gate for pull side of gate, forward approach.	P	O	1	2	1 EA	\$250
ITEM 15: DIAMOND GATE TO SOUTH DUGOUT - WEST BALL DIAMOND, FERROGLIA FIELDS	Switch the hinge side of the gate.	Gate from diamond to dugout has no maneuvering space beyond latch side of gate. Maneuvering space shall be 18" min. at latch side and 60" min. perpendicular to gate for pull side of gate, forward approach.	P	O	1	2	1 EA	\$250
ITEM 16: DIAMOND GATE TO WEST DUGOUT - WEST BALL DIAMOND, FERROGLIA FIELDS	Switch the hinge side of the gate.	Gate from diamond to dugout has no maneuvering space beyond latch side of gate. Maneuvering space shall be 18" min. at latch side and 60" min. perpendicular to gate for pull side of gate, forward approach.	P	O	1	2	1 EA	\$250
Barrier	622	The existing door does not have a smooth surface a minimum of 10" from the floor or exterior surface and/or the kick plate installed is not capped.	Citation	2010 ADA Stds. 404.2.10				
ITEM 17: RESTROOMS AT FERROGLIA FIELDS	Provide new kick plates on the push side of the door 10" high.	Doors shall have smooth surface full width of door up to 10" min. AFF. Any variation of door surface (such as edge of kick plate) shall not exceed 1/16". Existing condition: Kick plate measured 7-1/2" AFF.	P	O	1	1	2 EA	\$450

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Aubrey Davis Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
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Drinking Fountains

Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2					
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ITEM 18: EAST BALLFIELD - NORTH DUGOUT, FERROGLIA FIELDS	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain is provided.	P	O	1	4	1	EA	\$4,400
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ITEM 19: NORTH OF TENNIS COURTS	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain is provided.	P	O	1	4	1	EA	\$4,400
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See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Aubrey Davis Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
ITEM 20: PICNIC SHELTER	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain is provided.	P	O	1	4	1 EA	\$4,400
ITEM 21: RESTROOMS AT FERROGLIA FIELDS	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain with rim at 35" AFF and spout at 37" AFF is provided. Dog fountain is acceptable, but not required.	P	O	1	4	1 EA	\$4,400

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
ITEM 22: SOUTH OF TENNIS COURTS	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain is provided.	P	O	1	4	1 EA	\$4,400
ITEM 23: WEST BALLFIELD - SOUTH DUGOUT, FEROGLIA FIELDS	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain is provided.	P	O	1	4	1 EA	\$4,400

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 24: ACCESSIBLE ROUTE TO PICNIC TABLE	Provide 44" wide (per Code) asphalt paving from existing accessible picnic table (in northwest group) to 1 grille and 1 more picnic table. Provide additional accessible route from path to picnic table in south group nearest pathway and then to 1 grille, 1 more table, and trash receptacles. Any slopes exceeding 5% requires a compliant ramp with complying handrails and landings.	Accessible route is provided to 1 of 8 picnic tables, no grilles and no trash receptacles.	P	O	1	2	168 LF	\$5,934
Barrier	512	The object is a protruding object, which projects more than 4" into the accessible route with its leading edge between 27" and 80" high, making it not cane detectable, with exception to handrails which are allowed 4-1/2" projection.	Citation	2010 ADA Stds. 307.2, 204				
ITEM 25: BOTTLE FILLER OUTSIDE RESTROOMS - FERROGLIA FIELDS	Provide cane detection below at 27" max. above slab.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing condition: Wall mounted bottle filler outside restrooms protrudes 7-1/2" from wall and bottom edge of unit measured 31-1/4" above slab.	P	O	1	1	2 LF	\$173
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 26: BIKE RACK AT RESTROOMS AT FERROGLIA FIELDS	Replace portion of concrete slab for 30"x48" clear floor space directly adjacent bike rack and sidewalk.	Paving at bike rack near restroom building is too steep for 30"x48" clear floor space to access bike rack.	P	O	1	4	10 SF	\$350

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 27: BENCH ALONG GREENWAY TRAIL - FERROGLIA FIELDS	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of bench along trail (nearest to West Ballfield, as other bench has step up to pad).	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is along street sidewalk, but slab is too small for clear floor space on either end.	P	O	7	2	10 SF	\$250
ITEM 28: BENCH AT RESTROOMS AT FERROGLIA FIELDS	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: Concrete slab in front of concrete wall measures only 47" deep on both ends of bench, 1" too short for clear floor space on either end.	P	O	7	2	8 SF	\$200
ITEM 29: BENCH AT SOUTHEAST TENNIS COURT ENTRY	Recommendation: Remove existing paving and provide level clear floor space (concrete pad) on sidewalk side of bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: Clear floor space at end of bench has slope of 5% on sidewalk side (and too narrow at tennis court side).	P	O	7	2	10 SF	\$350
ITEM 30: BENCH NEAR WEST ENTRY FROM 66TH AVENUE NE	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is along street sidewalk, but slab is too small for clear floor space on either end.	P	O	7	2	10 SF	\$250

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Exterior Accessible Routes / Entries									
ITEM 31: BENCH NORTHEAST OF TENNIS COURTS	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is along street sidewalk, but slab is too small for clear floor space on either end.	P	O	7	2	10	SF	\$250
ITEM 32: SINGLE BENCH ALONG ROAD FACING WEST SOCCER FIELD	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is along street sidewalk, but slab is too small for clear floor space on either end.	P	O	7	2	10	SF	\$250

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
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Play Areas

Barrier	5081	The ramp to the play area exceeds 1:12 slope, or there is no accessible route to the play area.							
			Citation	2010 ADA Stds. 206.2.17					

ITEM 33: PLAY AREA NEAR FEROGLIA FIELDS	Remove and replace curb ramp with one that complies with slope and top landing.	Curb ramp shall be 44" min. wide (per Code) with running slope not to exceed 8.33% (1:12) and with flares on both sides with slopes not to exceed 10.0% (1:10). Top landing shall be 36" min. deep and level (max. slope of 1:48 in any direction). Existing condition: Curb ramp has flares with slopes measuring up to 14%, top landing 24" deep and a step down into play areas measuring 2" - 3" high.	P	O	1	1	8	LF	\$2,800
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Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.							
			Citation	2010 ADA Stds. 1008.2.6					

ITEM 34: PLAY AREA NEAR FEROGLIA FIELDS	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones. Also, ensure that surface is level with bottom of curb ramp into play area (currently steps down a few inches).	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	1	EA	\$0
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Play Areas									
ITEM 35: SAFARI PLAYGROUND	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones. Also, ensure that surface is level with bottom of curb ramp into play area (currently steps down a few inches).	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O		1	2	1 EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	675	The stall door swing encroaches on clear floor space within stall, or the door is not located on the wide side of the stall, or the door is more than 4" from side panel.	Citation	2010 ADA Stds. 604.8.1.2				
ITEM 36: RESTROOMS AT FERROGLIA FIELDS - ACCESSIBLE STALL DOOR	Revise the front stall partitions to relocate doors to the wide side of the stalls with 4" max. hinge side panels.	Doors to accessible stalls are required to be on the open side of the stall to provide door maneuvering space on the inside of the stall. Existing condition: Doors open on toilet side of accessible stalls in both restrooms.	P	O	1	1	2	EA \$3,280
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 37: MEN'S RESTROOM AT FERROGLIA FIELDS	Relocate the wall-hung toilet to be 16" - 18" from centerline to side wall by revising plumbing. Repair wall finish.	Wall-hung toilet measures 18-1/2" from centerline of toilet to side wall.	P	O	1	3	1	EA \$870
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.	Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 38: RESTROOMS AT FERROGLIA FIELDS - ACCESSIBLE STALLS	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Horizontally, grab bar on rear wall shall extend from toilet centerline 12" min. toward side wall and 24" min. away from side wall. Side wall grab bar shall begin 12" max. from rear wall and extend 54" min. from rear wall. Existing condition: Side wall grab bar extends 52" from rear wall in Women's Restroom & 52-1/2" from rear wall in Men's Restroom.	P	O	1	3	2	EA \$2,600

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting, or pinching to operate.	Citation	2010 ADA Stds. 604.6				
ITEM 39: WOMEN'S RESTROOM AT FERROGLIA FIELDS - ACCESSIBLE STALL	Repair or replace push button flush control as required.	Flush controls shall comply with Section 309.4 in regards to 5 lbs. max. force required to operate. Existing condition: Flush control is difficult to operate.	P	O	1	3	1	EA \$500
Barrier	684	The bathroom contains more than one urinal and the rim exceeds 17" high or is not 13-1/2" deep.	Citation	2010 ADA Stds. 605.2				
ITEM 40: MEN'S RESTROOM AT FERROGLIA FIELDS	Lower one urinal.	Cost includes lowering flush valve at the same time. Urinal shall be mounted with the rim no higher than 17" AFF and the urinal should extend 13-1/2" min. Existing condition: Two urinals are both installed with rim at 24-1/2" AFF.	P	O	1	3	1	EA \$1,910
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 41: RESTROOMS AT FERROGLIA FIELDS	Relocate mirrors to above lavatories with bottom edge of reflective surface at 40" max. AFF.	Mirrors above countertops are required to be 40" max. to the reflective surface. Wall mounted mirrors are required to be 35" max. and 74" min. to the reflected surface (tall mirrors). Existing condition: Mirrors are size for installation above lavatory but installed on side wall with bottom edge at 44" AFF in Women's Restroom and 44-1/2" AFF in Men's Restroom.	P	O	1	3	2	EA \$300

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 42: RESTROOMS AT FERROGLIA FIELDS	Recommend no change. The items are not being altered and measure less than 54" AFF for a side approach, which meets the 1991 Standards (if restrooms were constructed to that earlier standard).	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. Dispensers are required to be max. 48" high for a front and parallel approach. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.) Existing condition: Hand dryer push button controls measure 49-1/2" AFF.	P	O	8	2	2 EA	\$0
ITEM 43: RESTROOMS AT FERROGLIA FIELDS - ACCESSIBLE TOILET STALLS	Relocate the seat cover dispensers from above the grab bar to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: Dispensers are located too low above grab bar, but with outlet too high for compliant reach range.	P	O	1	3	2 EA	\$300
Total for Building: Aubrey Davis Park								\$66,994

See Survey Legend and ADA Overview Report Section for more important information.

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Aubrey Davis Park

- Upper Left: Accessible parking sign is required on westernmost stall in the western parking lot
- Upper Right: 30"x48" clear floor space is required on one end of bike rack.
- Lower Left: 30"x48" clear floor space is required on one end of bench.

Aubrey Davis Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



Aubrey Davis Park

- Upper Left: Bleachers require wheelchair seating (with signage).
- Upper Right: Only low level drinking fountain is provided. Hi-low drinking fountain required.
- Lower Left: Team dugout gates require 32" min. wide openings with maneuvering space on pull side.

Aubrey Davis Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2

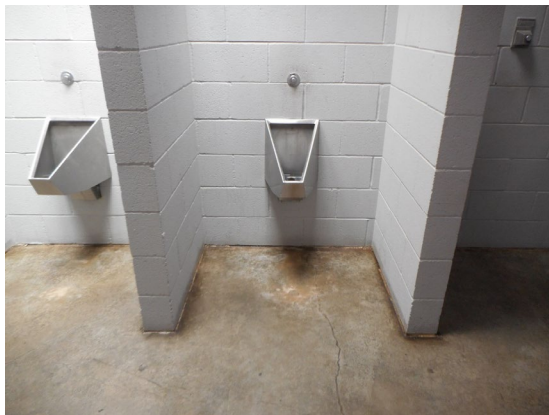


Aubrey Davis Park

- Upper Left: Ground surfaces of all play areas must be compliant and require periodic inspections & maintenance.
- Upper Right: A compliant ramp is required for the play area east of Feraglia Fields.
- Lower Left: 5% of picnic table seating should be accessible.

Aubrey Davis Park

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Aubrey Davis Park

- Upper Left: Only low level drinking fountain is provided. Hi-low drinking fountain required.
- Upper Right: Toilet in Men's restroom by Feroglia Fields should be relocated (centerline is in excess of 18" from corner).
- Lower Left: 1 urinal in Men's restroom by Feroglia Fields should be lowered to accessible height (17" max. AFF).

Aubrey Davis Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4



Aubrey Davis Park

- Upper Left: Mirrors in both restrooms by Feroglia Fields should be relocated to above sinks at 40" max. AFF.
- Upper Right: Doors are located on wrong side of accessible stalls at restrooms by Feroglia Fields and should be relocated.
- Lower Left: Flush control in Women's restroom by Feroglia Fields should be repaired or replaced due to operation difficulty.

Aubrey Davis Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	619	The door requires excessive force to operate, or the door closes too quickly.	Citation	2010 ADA Stds. 404.2.8, 404.2.9				
ITEM 1: MEN'S RESTROOM	Adjust the exterior door closer to meet min. required force.	Existing entry door requires 10 lbs. force to open. Door closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 secs. min.	P	O	1	1	1 EA	\$150
ITEM 2: WOMEN'S RESTROOM	Adjust the exterior door closer to meet min. required force.	Existing entry door requires 8 lbs. force to open. Door closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 secs. min.	P	O	1	1	1 EA	\$150

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 3: PARK ENTRY AREA	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: A single non-accessible fountain is provided.	P	O	1	4	1	EA \$4,400
Barrier	754	The drinking fountain lacks a 30"x48" clear floor space for a front approach OR the clear floor space slope exceeds 2% in all directions.	Citation	2010 ADA Stds. 602.2				
ITEM 4: PARK ENTRANCE	Remove existing curb and slab and provide level clear floor space under low level fountain of min. size 30"x48" with slope of 2% max. (1:48) max. in any direction.	Curb encroached into clear floor space under low fountain.	P	O	1	4	10	SF \$250

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
Barrier	646	The accessible route has cross slopes that exceed max. 2% (1:48).	Citation	2010 ADA Stds. 403.3				
ITEM 5: MEN'S RESTROOM	Apply a topping coat on the concrete slab to level it. Slope must be no more than 1:48 (2%).	Slope of existing floor measured in excess of 3%.	P	O	1	2	50 SF	\$263

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	671	The accessible toilet stall lacks the min. required dimensions, or the accessible water closet lacks the min. required 60" wide clear floor space.	Citation	2010 ADA Stds. 604, 213				
ITEM 6: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate side toilet partition to provide one compliant accessible stall that meets standard stall size requirements. Budget cost includes removing metal partition with accessories, and replacing with new portion of partition.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: Toilet stall is 58" wide - 60" min. is required.	P	O	1	3	1 EA	\$2,180
ITEM 7: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate front toilet partition to provide one compliant accessible stall that meets standard stall size requirements. Budget cost includes removing metal partition with accessories, and replacing with new portion of partition.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: Toilet is floor mounted, requiring a min. 59" deep toilet stall - 56" provided.	P	O	1	3	1 EA	\$2,180
Barrier	676	The stall door hardware on both sides requires gripping, twisting, or pinching to operate, which is not accessible, or the door is not self closing.	Citation	2010 ADA Stds. 604.8.1.2				
ITEM 8: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Adjust stall door closer.	Existing stall door is not fully self-closing.	P	O	1	3	0 EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	677	The coat hook exceeds 48" high for a front or side approach or the shelves are not mounted 40" min. and 48" max. AFF.	Citation	2010 ADA Stds. 603.4, 308				
ITEM 9: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 standards.	If altered, per 2010 Standards, the item should be below 48" AFF. Many Building Codes are more stringent and have a max. 48" reach for any approach, which should be applied.	P	O	8	2	1 EA	\$0
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 10: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Existing toilet measured 19" from centerline to side wall.	P	O	1	3	1 EA	\$230
Barrier	679	The toilet seat height is not between 17" - 19" high.	Citation	2010 ADA Stds. 604.4, 604.9				
ITEM 11: MEN'S RESTROOM - ACCESSIBLE TOILET	Install a lift seat. Note that due to this toilet being a stainless steel toilet without a seat, a new toilet may be necessary to be installed for compliance.	Top of existing stainless steel toilet measures 16-1/4" AFF.	P	O	1	3	1 EA	\$210
Barrier	680	The toilet lacks compliant side and/or rear grab bars.	Citation	2010 ADA Stds. 604.5				
ITEM 12: MEN'S RESTROOM - ACCESSIBLE STALL	Reinstall side wall grab bar. Install new grab bar on rear wall.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Rear grab bar min. 24" long from centerline of toilet at transfer side; side wall grab bar min. 54" long from rear wall. Existing condition: Side wall has a grab bar that needs to be relocated to be 54" min. from the corner (53" measured). Rear wall has no grab bar.	P	O	1	3	1 EA	\$1,150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Bicentennial Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	680	The toilet lacks compliant side and/or rear grab bars.	Citation	2010 ADA Stds. 604.5				
ITEM 13: WOMEN'S RESTROOM - ACCESSIBLE STALL	Install new grab bar on rear wall.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Rear grab bar min. 24" long from centerline of toilet at transfer side; side wall grab bar min. 54" long from rear wall. Existing condition: Side wall has a compliant grab bar. Rear wall has no grab bar.	P	O	1	3	1	EA \$1,150
Barrier	683	The toilet paper dispenser is not mounted 7" to 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 14: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the dispenser.	The existing toilet paper dispenser is located above the side wall grab bar, within the required 12" clearance.	P	O	1	3	1	EA \$72
ITEM 15: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the dispenser.	The existing toilet paper dispenser is located above the side wall grab bar, within the required 12" clearance.	P	O	1	3	1	EA \$72
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 16: MEN'S RESTROOM	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Existing mirror above sink measures 41" AFF to bottom of reflective surface.	P	O	1	3	1	EA \$150

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 17: MEN'S RESTROOM	Relocate or lower the dispensers to compliant heights.	Dispensers are required to be max. 48" high for a front and parallel approach, and 44" max. for a forward reach over an obstruction between 20" and 25" deep. Existing condition: soap dispenser has 22" deep reach to controls mounted at 46" AFF.	P	O	1	3	1 EA	\$150
ITEM 18: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1 EA	\$150
ITEM 19: WOMEN'S RESTROOM	Relocate or lower the dispensers.	Dispensers are required to be max. 48" high for a front and parallel approach, and 44" max. for a forward reach over an obstruction between 20" and 25" deep. Existing condition: soap dispenser has 22" deep reach to controls mounted at 46" AFF.	P	O	1	3	1 EA	\$150
ITEM 20: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet to a location within reach range from clear floor space directly adjacent.	Dispensers are required to be max. 48" high for a forward and parallel approach.	P	O	1	3	1 EA	\$150
ITEM 21: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate or lower the dispensers as required to make way for relocated grab bars.	Existing sanitary disposal unit is located where the required (to be installed) rear grab bar will be located.	P	O	1	3	1 EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Bicentennial Park

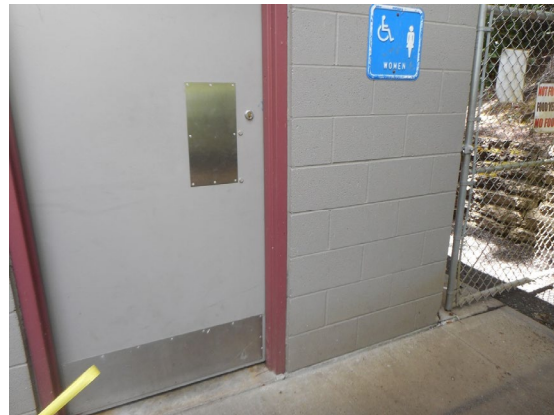
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET	
Signage										
Barrier	713	The permanent room sign lacks raised letters and braille characters OR the raised letters characters do not meet the requirements.	Citation	2010 ADA Stds. 216, 703.3, 703.2, 703.5						
ITEM 22: MEN'S RESTROOM - ENTRY DOOR	Provide new compliant sign at the latch side of the door. New sign to also have the International Symbol of Accessibility.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Signs not located in public use areas shall not be required to comply with 216. Existing sign does not provide braille.	P	O	1	2	1	EA	\$290	
ITEM 23: WOMEN'S RESTROOM - ENTRY DOOR	Provide new compliant sign at the latch side of the door. New sign to also have the International Symbol of Accessibility.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Signs not located in public use areas shall not be required to comply with 216. Existing sign does not provide braille.	P	O	1	2	1	EA	\$290	
Total for Building: Bicentennial Park									\$13,937	

See Survey Legend and ADA Overview Report Section for more important information.

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Bicentennial Park

- Upper Left: Only low level drinking fountain is provided. Hi-low drinking fountain is required for both wheelchair users and standing persons.
- Upper Right: Restroom signage lacks Braille.
- Lower Left: Women's restroom: toilet location should be adjusted, rear wall grab bar is required, and dispensers should be relocated within accessible reach ranges.

Bicentennial Park

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Bicentennial Park

- Upper Left: Men's restroom: toilet seat height is non-compliant, rear wall grab bar is required, dispensers shall be relocated within accessible reach ranges.
- Upper Right: Restroom door closers should be adjust due to excessive force required to open.
- Lower Left: Women's accessible stall door should be self-closing.

Bicentennial Park

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Boat Launch

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 1: LIFE JACKET HOOK - INFORMATION SIGN	Lower one hook for each type of life jackets to borrow down to 48" max. accessible height.	A max. 48" and min. 15" reach for any approach, which should be applied. Existing condition: Hooks for life jackets to borrow measured 5'-0" high. Owner/maintenance item.	P	O	1	2	1 EA	\$0
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 2: BENCH NEAR SCULPTURE	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench and 44" wide (per Code) paved walkway from existing sidewalk at an angle to ensure compliant running slope of 5% or 1:20 max. (If running slope is greater than 1:20, provide compliant ramp with running slope of 1:12 max. 60" min. long landings top and bottom and continuous handrails both sides with 12" min. extensions beyond top and bottom of ramp.) Assumed length of path (without a ramp) is 30'-0".	Although not required under 2010 ADA scoping, E&A recommends providing a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is located in lawn, and no clear floor space is provided.	P	O	1	2	34 LF	\$1,201

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Boat Launch

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Recreation - Boating Facilities									
Barrier	862	The slope at gangway with LESS than 30'-0" total run at a facility with less than 25 total boat slips exceeds 8.33% OR has cross slope that exceeds 2% OR is a ramp that lacks handrails.	Citation	2010 ADA Stds. 1003.2.1					
ITEM 3: GANGWAY TO BOAT LAUNCH PIER	Provide 44" min. (per Code) wide (clear between handrails) aluminum gangway structure with max. running slope of 8.33% or 1:12, or a min. of 30'-0" in length. Slope shall be measured based on median water level of Lake Washington.	Existing condition: Slope of existing gangway to floating boat launch pier measured up to 28% and is less than 30'-0" in length. EXCEPTIONS: 1. Accessible routes serving floating fishing piers and platforms shall be permitted to use Exceptions 1, 2, 5, 6, 7, and 8 in 1003.2.1.2. Where the total length of the gangway or series of gangways serving as part of a required accessible route is 30'-0" min., gangways shall not be required to comply with 405.2 (1:12 slope). Section - 1003.2.1.2: 1. Where an existing gangway or series of gangways is replaced or altered, an increase in the length of the gangway shall not be required to comply with 1003.2 unless required by 202.4. 2. Gangways shall not be required to comply with the max. rise specified in 405.6. 5. Where gangways connect to transition plates, landings specified by 405.7 shall not be required. 6. Where gangways and transition plates connect and are required to have handrails, handrail extensions shall not be required. Where handrail extensions are provided on gangways or transition plates, the handrail extensions shall not be required to be parallel with the ground or floor surface. 7. The cross slope specified in 403.3 and 405.3 for gangways, transition plates, and floating piers that are part of accessible routes shall be measured in the static position. 8. Changes in level complying with 303.3 and 303.4 shall be permitted on the surfaces of gangways and boat launch ramps.	P	O	1	2	1	EA	\$6,000
Total for Building: Boat Launch								\$7,201	

See Survey Legend and ADA Overview Report Section for more important information.

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Mercer Island Boat Launch

- Upper Left: Gangway to boat launch pier requires an accessible route.
- Upper Right: 30"x48" clear floor space is required on one side of bench, and an accessible route shall be provided.
- Lower Left: Life jacket hooks are mounted too high. Lower one of each type to 48" max. AFF.

Mercer Island Boat Launch

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Calkins Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				

ITEM 1: LANDING ENTRY	It is assumed that new van accessible parking space will be provided, but that sign is not required because no more than 4 parking spaces will be provided.	Sign displaying the International Symbol of Accessibility with van sign panel should be 60" min. above grade, measured to bottom of signs. Note: Where a total of four or fewer parking spaces, including accessible parking are provided on site, signs are not required.	P	O	1	1	0	EA	\$0
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See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Calkins Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				

ITEM 2: ACCESSIBLE PICNIC TABLE	Replace table with one providing top surface no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space. Alternately, modify table supports to provide the required knee and toe space.	Existing picnic table has support angles with bottom edge at 26" AFF, and are 26" apart. A 30" wide knee space is required at a min. of 27" AFF.	P	O	1	2	1	EA	\$2,500
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See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Calkins Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	500	The accessible route with a level change lacks a ramp, or the existing ramp is substantially non-compliant.	Citation	2010 ADA Stds. 303, 303.4				
ITEM 3: STAIRS TO BEACH		Construct a ramp structure with max. 1:12 (8.33%) ramp at the indicated number of locations. Further design study may be required.		P	O	1	2 30	LF \$22,500
		Existing condition: Concrete stairs lead down to the beach and no accessible ramp is provided. Max. ramp slope is 1:12. Continuous handrails on both sides of ramp are required where the rise is greater than 6".						
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 4: ACCESSIBLE ROUTE TO BEACH		Provide 44" min. wide (per Code) concrete paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings.		P	O	1	2 70	LF \$4,032
		Existing site has concrete walk ending at the picnic table. No accessible route is provided beyond picnic table area to the concrete stairs leading to the beach.						
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat and 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 5: ACCESSIBLE BENCH		Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.		P	O	7	2 5	SF \$125
		Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Bench is provided, however no adjacent clear floor space is provided.						
Total for Building: Calkins Landing								\$29,157

See Survey Legend and ADA Overview Report Section for more important information.

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Calkins Landing

- Upper Left: Parking is provided for 3 vehicles, however no accessible parking is provided.
- Upper Right: Knee clearance at accessible picnic table seat is encroached on by steel supports.
- Lower Left: Bench requires an adjacent clear floor space at one end.

Calkins Landing

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Calkins Landing

- Upper Left: Accessible sidewalk ends at picnic table.
- Upper Right: No accessible route is provided to the beach.
- Lower Left: No accessible route is provided to the beach.

Calkins Landing

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ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Clarke Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				

ITEM 1: ACCESSIBLE PICNIC TABLES	Assuming 6 people per picnic table, designate 4 existing tables (dispersed throughout the park) as accessible by replacing sloped paving below one end of table with "level" clear floor space (slope not to exceed 1:48) ensuring knee space is 30" min. wide and 27" min. high. Provide accessible route 44" min. wide (per Code) to nearest walkway (price assumes 5'-0" long for all 4 tables). Add wooden extension to end of tables to provide toe space 17" min. deep. If tables are not mounted deep enough, or if they cannot be retrofitted, replace 4 of the 11 tables with accessible type (Budget \$10,000.00 at \$2500.00 EA).	Of a total of 11 existing picnic tables embedded in paving, 10 have knee space with height 1-1/2" - 3" too low, all have toe space approximately 3" too shallow and most have clear floor space that is too steep.	P	O	1	2	4	EA	\$8,000
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See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Clarke Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 2: PICNIC AREA NEAR PARKING LOT	Replace the fountain with a hi-low model with new 30"x48" min. clear floor space near new ramp landing.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only one drinking fountain is provided which is low, not operable and has no clear floor space.	P	O	1	4	1	EA \$4,650
ITEM 3: RESTROOMS NEAR BEACH	Replace the fountain with a hi-low model with new 30"x48" min. clear floor space near new ramp landing.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only drinking fountain is provided which is not operable and has steep clear floor space.	P	O	1	4	1	EA \$4,650

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	502	The ramp slope exceeds max. 1:12 (8.33%), or the ramp is less than 36" wide measured between the handrails.	Citation	2010 ADA Stds. 405.2, 405.5				
ITEM 4: RESTROOMS AT BEACH	Remove existing paving and provide ramp (assumed 24'-0" long and 48" wide) with conforming slope, 60" min. long landings at top and bottom, and handrails both sides with 12" min. extensions at top and bottom of ramp.	Existing approach to restrooms from walkway is too steep for accessible route. Max. permissible slope is 1:12 (8.33%). Cross slope and slopes at landings shall be 1:48 (2%) max.	P	O	1	1	24 LF	\$12,400
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 5: ACCESSIBLE PICNIC TABLE NEAR PARKING LOT	Provide asphalt paved path 44" min. wide (per Code) from slab under accessible picnic table to nearest accessible route (assumed length 30').	Locate one accessible picnic table directly adjacent paved circulation route; locate other accessible picnic table deeper into lawn (assume 20' from paved circulation route).	P	O	1	2	30 LF	\$1,060
ITEM 6: BBQ GRILLE NEAR PARKING LOT	Provide asphalt paved path 44" min. wide (per Code) from clear floor space at BBQ grille to nearest accessible picnic table (assumed 10').	Locate one accessible picnic table directly adjacent paved circulation route; locate other accessible picnic table deeper into lawn (assume 20' from paved circulation route).	P	O	1	2	10 LF	\$353

See Survey Legend and ADA Overview Report Section for more important information.

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Clarke Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 7: BBQ GRILL NEAR BEACH	Provide new concrete paving for clear floor space adjacent BBQ grille closest to designated accessible picnic table. Ensure clear floor space has 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from paved walkway (assumed 10'-0" long).	Existing BBQ grilles have no paved clear floor space adjacent.	P	O	1	4	14 SF	\$350
ITEM 8: BBQ GRILL NEAR PARKING LOT	Provide new concrete paving for clear floor space adjacent BBQ grille with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from entry to play area.	Clear floor space adjacent BBQ grille measured too steep.	P	O	1	4	12 SF	\$300
ITEM 9: FISHING LINE RECEPTACLE - FISHING PIER AT SOUTH END OF PARK	Lower the item to 48" max. accessible height.	A max. 48" and min. 15" reach for any approach, which should be applied. Existing condition: Recycling receptacle for fishing line measured 5'-0" high. Owner/Maintenance item.	P	O	1	2	1 EA	\$0
ITEM 10: RESTROOM SIGNS - RESTROOMS NEAR BEACH	Provide new concrete paving for clear floor space adjacent signage for both restrooms with a 2% max. cross slope (1:48) adjacent paved walkway.	No paved clear floor space is provided adjacent signage.	P	O	1	4	20 SF	\$500

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Clarke Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
ITEM 11: TRASH AND HOT COAL RECEPTACLES NEAR BEACH	Provide new concrete paving for clear floor space adjacent trash and hot coal receptacles with a 2% max. cross slope (1:48) adjacent paved walkway.	Clear floor space adjacent opening of trash and hot coal receptacles are not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	20 SF	\$500
Barrier	522 Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation 2010 ADA Stds. 903						
ITEM 12: BENCH AT SAND PLAY AREA	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of one bench plus accessible route from adjacent paved walkway (assumed 5'-0" long).	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: 2 benches at perimeter of sand play area, but no slab is provided at end of benches nor is accessible route provided.	P	O	1	2	28 SF	\$700
ITEM 13: CONTINUOUS BENCH AT NORTH PIER	Recommendation: Cut out portion of continuous bench for 2 wheelchair spaces and ensure level clear floor space (30"x48" min.) between sections of bench (1 clear floor space shall be along end of pier).	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of bench seating, provide a compliant 30"x48" clear floor space to one side of the bench. For a continuous bench, provide occasional gaps for clear floor space with representative orientations and views. Existing condition: Continuous bench along length of one side and end of north pier, but no clear floor spaces are provided along the bench length and the bench ends at the edge of the pier.	P	O	1	2	1 EA	\$1,500

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Clarke Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	698	The restroom is substantially inaccessible - lacks overall turning space, clear floor space at fixtures, and/or compliant fixtures and dispensers.	Citation	2010 ADA Stds. 603				
ITEM 14: RESTROOMS NEAR BEACH	Demolish the interior fixture layout and completely renovate the restroom and dressing room within its current footprint.	Restrooms and dressing rooms are substantially non-compliant requiring significant renovation. Cost shown is an allowance, until further design studies are carried out.	P	O	1	3	1	EA \$35,000
Total for Building: Clarke Beach								\$69,963

See Survey Legend and ADA Overview Report Section for more important information.



Clarke Beach Park

Upper Left: Hi-low drinking fountain required adjacent to restrooms.

Upper Right: Hi-low drinking fountain required adjacent to upper picnic area.

Lower Left: An accessible route is lacking to picnic table in upper picnic area.

Clarke Beach Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

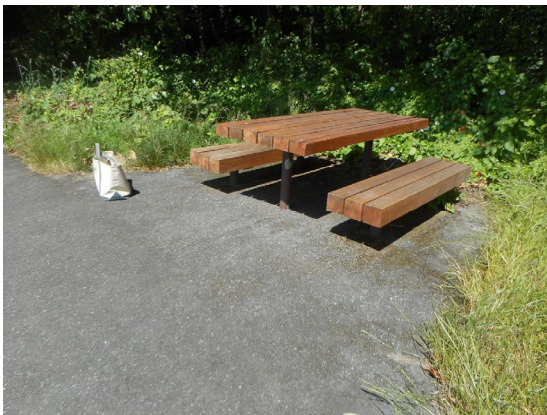


Clarke Beach Park

- Upper Left: Route to restrooms has an excessive slope.
- Upper Right: Restroom signage lacks an adjacent clear floor space below.
- Lower Left: 30"x48" clear floor space is required along each leg of the pier's continuous bench.

Clarke Beach Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2

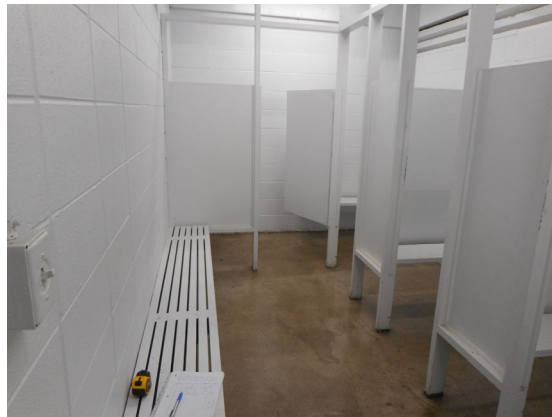


Clarke Beach Park

- Upper Left: 30"x48" clear floor space, paved and level, is required at BBQ grill closest to accessible picnic table.
- Upper Right: 30"x48" clear floor space, paved and level, is required at one end of one of the benches by the sand play area.
- Lower Left: 5% of picnic tables in each seating area require an accessible seat.

Clarke Beach Park

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Clarke Beach Park

Upper Left: Restrooms are substantially non-accessible. Accessible stall in each restroom is non-compliant in size, grab bars are not compliant, flush control in Women's is incorrectly located, turn-around not provided in Men's restroom. Other issues were recorded.

Upper Right: Changing rooms are substantially non-accessible. Women's changing room: no turn-around space is provided, and changing cubicles are not compliant in size. Men's changing room: non-compliant bench.

Clarke Beach Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: PARKING LOT - ADJACENT TO UNISEX RESTROOM	Remount / raise existing stall signage.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: Bottom of the van accessible parking sign adjacent to the unisex restroom is 57" AFF.	P	O	1	1	EA	\$72

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Built In Elements									
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2					
ITEM 2: PAVILLION	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Exception: Fixed or built-in seating or tables used primarily by children ages 12 and younger may be from 26" min. to 30" max. AFF. Existing condition: Pavillion has 4 picnic tables - none of them provide knee and toe space.	P	O	1	2	1	EA	\$2,500
ITEM 3: PICNIC TABLE - ADJACENT TO BBQ	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Exception: Fixed or built-in seating or tables used primarily by children ages 12 and younger may be from 26" min. to 30" max. AFF. Existing condition: Picnic table does not provide knee and toe space.	P	O	1	2	1	EA	\$2,500
ITEM 4: PICNIC TABLE - ADJACENT TO PAVILLION	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Existing condition: The picnic table does not provide a compliant knee and toe space.	P	O	1	2	1	EA	\$2,500

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 5: UNISEX RESTROOM	Add new portion of exterior surface (at door approach).	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). For a latch side approach pull side, 24" min. is required to the side of latch x 48" deep without closer and 54" deep with closer. See additional dimensions for other approaches in 404.2.4.1. Existing condition: door location provides a latch side approach, but exterior concrete surface is 40" deep.	P	O	1	2	25 SF	\$1,263

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	497	The accessible route is less than 36" wide.	Citation	2010 ADA Stds. 403.5.1				
ITEM 6: UNISEX RESTROOM	Remove the movable objects that restrict passage.	Accessible routes may be reduced to 32" min. for 24" max. depth separated by segments 48" apart. Owner maintenance item. Existing condition: trash can encroaches on the 44" min. accessible route.	P	O	1	1	EA	\$0
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 7: PICNIC TABLE - ADJACENT TO, BBQ	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. Include a 30"x48" clear floor space adjacent to the accessible side of the picnic table.	Existing condition: Picnic table lacks a paved accessible route to it.	P	O	1	2	LF	\$706
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 8: UNISEX RESTROOM - BIKE RACK	Install concrete pad adjacent to bike rack with a max. 2% cross slope (1:48).	Existing condition: Bike rack outside of restroom does not have a 30"x48" clear floor space adjacent to one end.	P	O	1	2	SF	\$289
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 9: ADJACENT TO PAVILLION	Recommendation: Alter the existing area adjacent to 1 bench to provide a level clear floor space (concrete pad).	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: there are 2 benches located in packed dirt area. 1 of them should provided a clear floor space adjacent to one end.	P	O	7	2	SF	\$125

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
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Play Areas

Barrier	37310	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6				
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ITEM 10: ALL PLAY AREAS WITH WOOD CHIPS	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	5	EA	\$0
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Barrier	5081	The ramp to the play area exceeds 1:12 slope, or 1:48 cross slope or lacks edge protection, or there is no accessible route to the play area.	Citation	2010 ADA Stds. 206.2.17				
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ITEM 11: BOTH PLAY AREA WITH PLAY STRUCTURES	Remove wood border and replace with a ramp that complies with slope and landings top and bottom.	Existing condition: there is no accessible route in to the play areas. Wood border with entry areas drop off into wood chip surface.	P	O	1	1	10	LF	\$3,500
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ITEM 12: PLAY AREA - DRAGON	Remove wood border and replace with a ramp that complies with slope and landings top and bottom.	Existing condition: there is no accessible route in to the Dragon play area.	P	O	1	1	5	LF	\$1,750
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See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Restrooms / Bathrooms									
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.							
ITEM 13: UNISEX RESTROOM - CHILDRENS' USE	Replace with new grab bars. Revise wall surface on the rear wall of the toilet.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" to 2" cross section and non-circular shapes; allows alternate children's use height.] Existing condition: grab bars are 33" AFF, and depending on the age group, they are to be installed between 18" - 27" AFF. Side wall grab bar is incorrectly located (46" from the corner to the end; 54" min. is required), and is required to be min. 42" long. Rear wall grab bar is incorrectly located (the end on the open side is to be 24" from the centerline of the toilet), and is required to be min. 36" long (18" is provided). The wall behind the toilet needs to be infilled, so that there is 1-1/2" between the grab bar and the wall surface.	P	O	1	3	1	EA	\$2,300
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting or pinching to operate.							
ITEM 14: UNISEX RESTROOM - CHILDRENS' USE	Replace the toilet with a stainless steel children's accessible model with accessible controls. Relocate as required for the appropriate age group.	Stainless steel is used in high vandalism or maintenance situations. Flush controls shall comply with reach ranges specified in Section 604.9.5. Existing condition: center of toilet is 18-1/4" from wall. Depending on the age group, toilet is required to be between 12" - 18" from the side wall. Toilet seat height is 17" AFF. Depending on the age group, seat height varies from 11" - 17" AFF. Flush control is 45-1/2" AFF. Toilets for children are required to have flush controls at 36" max. AFF.	P	O	1	3	1	EA	\$3,610

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 15: UNISEX RESTROOM - CHILDRENS USE	Replace lavatory with an accessible model.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. (Exception: Lavatories used primarily by children ages 6 through 12 may have 31" max. height with apron 24" AFF. For children 5 and younger, clearances not required if compliant parallel approach provided.) Existing condition: sink is 32-1/2" AFF, knee clearance 8", and back is 26" AFF (27" min. required).	P	O	1	3	1 EA	\$2,340
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 16: UNISEX RESTROOM - CHILDRENS USE	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Existing condition: bottom of mirror reflective surface is 48" AFF.	P	O	1	3	1 EA	\$150
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 17: UNISEX RESTROOM - CHILDRENS USE	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1 EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Restrooms / Bathrooms									
Barrier	7836	The specified baby changing station exceeds a max. reach range of 48" high for a front or side approach, and/or it lacks clear floor space or the table surface is not 28" - 34" high when folded down.	Citation	2010 ADA Stds. 309, 308.3					
ITEM 18: UNISEX RESTROOM - CHILDRENS USE	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards. If installed after September 15, 2010 then lower to 48" max.	If altered, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied.	P	O	8	2	1	EA \$0	

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Deane's Children's Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	713	The permanent room sign lacks raised letters and braille characters OR the raised letters characters do not meet the requirements.	Citation	2010 ADA Stds. 216, 703.3, 703.2, 703.5				
ITEM 19: BALLFIELD AREA - UNI-SEX RESTROOM	Provide new compliant sign at the latch side of the door.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Signs not located in public use areas shall not be required to comply with 216. Existing condition: Signage does not have raised lettering, and braille is below 48" AFF.	P	O	1	2	1 EA	\$290
Total for Building: Deane's Children's Park								\$24,045

See Survey Legend and ADA Overview Report Section for more important information.

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Deane's Children's Park

- Upper Left: Van accessible parking sign is mounted too low.
- Upper Right: Pavilion lacks a picnic table with an accessible seat with knee & toe clearance. 5% of picnic tables in each seating area require an accessible seat.
- Lower Left: Bench lacks a paved clear floor space at one end.

Deane's Children's Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

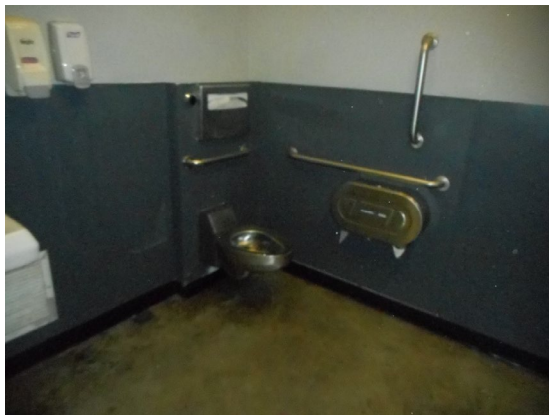
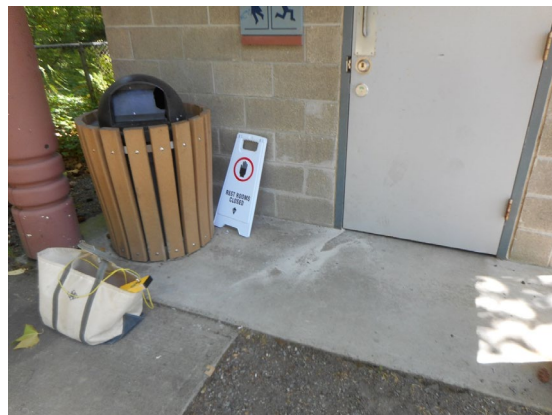


Deane's Children's Park

- Upper Left: Play area requires compliant ground surfaces, which must be periodically inspected and maintained.
- Upper Right: Wood border at play areas block accessible route. Removal of wood border and installation of ramp to play areas required.
- Lower Left: Bike rack lacks an adjacent (paved) clear floor space along one side.

Deane's Children's Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2



Deane's Children's Park

- Upper Left: Restroom signage lacks raised lettering, and is non-compliant in mounting height.
- Upper Right: Entry door into restroom lacks sufficient area for door maneuvering clearance. Concrete walk to be enlarged, and garbage can relocated.
- Lower Left: Grab bars at toilet are non-compliant in length & height. Wall surface behind toilet to be revised for grab bar. Seat cover dispenser lacks a forward approach. Toilet non-compliant for children's use.

Deane's Children's Park

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Deane's Children's Park

Upper Left: Lavatory does not provide knee & toe clearance and is mounted too high for children's use. Mirror is mounted too high.

Upper Right: Baby changing station is mounted too high.

Deane's Children's Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4

ADA SURVEY RESULTS

Survey Results - by Building / Element

For City of Mercer Island for Transpo

Ellis Pond

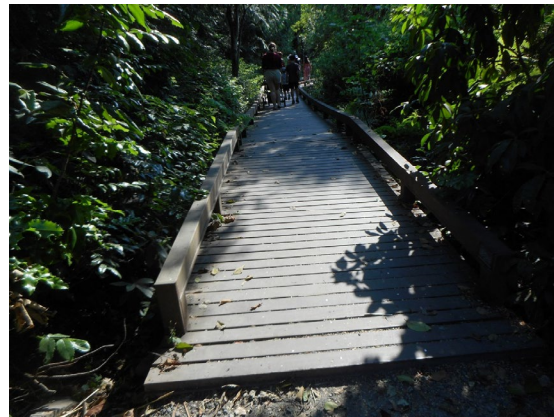
Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	509	The accessible route has a change in level between 1/4" and 1/2" without a 1:2 bevel or more than 1/2" high without a compliant ramp.	Citation	2010 ADA Stds. 303.4, 405, 406				
ITEM 1: BOARDWALK	Ensure new paved path (not included in this report) provides accessible slopes and/or level changes at both ends of wooden bridge.	Level changes at ends of boardwalk measure approximately 1-1/2" at both ends. A 1/4" vertical change is permissible. A 1/4" - 1/2" change must have a beveled slope. A change greater than 1/2" requires a ramp.	P	O	1	2	2	EA \$0
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 2: ACCESSIBLE ROUTE TO BENCH AND WATERFRONT	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings. Further design study and civil engineering required.	Existing site has a lawn area (only) between entry area and bench at waterfront.	P	O	1	2	10	LF \$353
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 3: ACCESSIBLE BENCH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Adjacent to each side of the bench is a dirt path, and no clear floor space is provided.	P	O	7	2	5	SF \$125
Total for Building: Ellis Pond								\$478

See Survey Legend and ADA Overview Report Section for more important information.

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Ellis Pond

Upper Left: Park lacks a paved accessible route to bench, and one end of the bench required a paved clear floor space.

Upper Right: Boardwalk lacks an accessible route to it.

Lower Left: Boardwalk ends have level changes exceeding 1-1/2".

Ellis Pond

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

First Hill Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier 482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.		Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLE NEAR BASKETBALL HALF COURT	Provide accessible picnic table (in addition to existing table) on existing slab with top surface 34" max. AFF, and with knee and toe space on one end of table 30" min. wide, 27" min. high, and 17" min. deep. Locate table where slab at clear floor space is 2% (1:48) max. in any direction.	Existing picnic table on concrete slab measured 29-1/2" to top surface with knee and toe space below (on end of table) 27" high and only 13" deep.	P	O	1	2	1 EA	\$2,500
Barrier 489	The bench is not 42" long, 20" - 24" deep, or has a 17" - 19" high seat and does not have a 18" high (back unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.		Citation	2010 ADA Stds. 903				
ITEM 2: TRASH RECEPTACLES - EAST ENTRY	Provide new 30"x48" level clear floor space adjacent opening side of trash & recycling receptacles. Locate along new paved accessible route to basketball half court.	Existing trash and recycling receptacles have no accessible route or clear floor space adjacent.	P	O	1	2	20 SF	\$500

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

First Hill Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries									
Barrier	497	The accessible route is less than 36" wide.	Citation	2010 ADA Stds. 403.5.1					
ITEM 3: ENTRY TO PLAY AREAS	Cut through wooden borders at both play areas as required to provide accessible route to play areas 44" min. wide (per Code).	Entrance is required to be 36" min. wide per ADA (but 44" min. wide per Code). Existing condition: One play area has entry 42" wide cut into wooden border; other play area has no entry through wooden border.	P	O	1	1	2	EA	\$1,000
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2					
ITEM 4: ACCESSIBLE ROUTE TO ACCESSIBLE PICNIC TABLE - WEST SIDE OF BASKETBALL HALF COURT	Provide new accessible route 44" wide (per Code) asphalt paving from existing basketball half court to existing concrete slab at picnic tables (assume length 10'-0").	No accessible route is provided to picnic tables.	P	O	1	2	10	LF	\$353

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

First Hill Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Play Areas									
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6					
ITEM 5: PLAY AREAS	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones. Also, ensure that surface is level with bottom of curb ramp into play area (currently steps down a few inches).	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Owner/maintenance item	P	O	1	2	2	EA	\$0
Total for Building: First Hill Park									\$4,353

See Survey Legend and ADA Overview Report Section for more important information.

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First Hill Park

Upper Left: Ground surfaces of all play areas must be compliant and require periodic inspections & maintenance. An accessible route is required into the play area.

Upper Right: The picnic table does not have an accessible seat.

Lower Left: Accessible route is required to all park amenities: basketball half-court, picnic tables, play area, and trash & recycling receptacles.

First Hill Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Forest Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 1: ACCESSIBLE ROUTE TO BENCH		Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings.	Existing site has a path consisting of pavers and stepping stones.	P	O	1	25	LF \$883
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 2: ACCESSIBLE BENCH		Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Bench is provided, however no adjacent clear floor space is provided.	P	O	7	2	10 SF \$250
Total for Building: Forest Landing								\$1,133

See Survey Legend and ADA Overview Report Section for more important information.

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Forest Landing

- Upper Left: Site has a path consisting of pavers and stepping stones. No accessible route is provided to site amenities.
- Upper Right: Stone steps to beach. No accessible route is provided.
- Lower Left: Bench requires an adjacent clear floor space at one end, and an accessible route.

Forest Landing

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Franklin Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 1: ACCESSIBLE ROUTE TO BENCH AND WATERFRONT	Provide 44" min. (per Code) wide asphalt paving to the indicated amenities.	Existing site has a flagstone path to the bench and the waterfront.	P	O	1	2	40 LF	\$1,413
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 2: ACCESSIBLE BENCH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Adjacent to each side of the bench is loose gravel, and no clear floor space is provided.	P	O	7	2	10 SF	\$250
Total for Building: Franklin Landing								\$1,663

See Survey Legend and ADA Overview Report Section for more important information.

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Franklin Landing

- Upper Left: A paved accessible route is lacking to the bench.
- Upper Right: A paved accessible route is lacking to the water's edge.
- Lower Left: Bench requires a paved adjacent clear floor space at one end.

Franklin Landing

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ADA SURVEY RESULTS
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Fruitland Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLES		Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.						
		Existing condition provides 1 picnic table which does not provide an accessible clear floor space for a forward approach.	P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

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Fruitland Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET	
Exterior Accessible Routes / Entries										
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2						
ITEM 2: ACCESSIBLE ROUTE TO BENCH AND WATERFRONT		Provide 44" min. (per Code) wide asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings. Further design study may be required.	Existing site has a gravel path from entry area to picnic table, bench, and waterfront.	P	O	1	2	150	LF	\$5,298
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308						
ITEM 3: PICNIC TABLE		Remove and replace concrete slab with a 2% max. cross slope (1:48).	Existing concrete pad at picnic table is too small to provide required clear floor space.	P	O	1	2	3	LF	\$216
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat and 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903						
ITEM 4: ACCESSIBLE BENCH		Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: adjacent to each side of the bench is a lawn area, and no clear floor space is provided.	P	O	7	2	10	SF	\$250
Total for Building: Fruitland Landing									\$8,264	

See Survey Legend and ADA Overview Report Section for more important information.

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Fruitland Landing

- Upper Left: A paved accessible route is lacking to the picnic table, bench, and waterfront. Picnic table does not provide an accessible seat area with a paved clear floor space below.
- Upper Right: A paved accessible route is lacking to the waterfront.
- Lower Left: Bench requires an adjacent clear floor space at one end.

Fruitland Landing

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ADA SURVEY RESULTS
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Garfield Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 1: ACCESSIBLE ROUTE TO BENCH AND WATERFRONT	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings. Further design study may be required.	Existing site has a lawn area (only) between entry area and bench at waterfront.	P	O	1	2	240 LF	\$8,477
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat and 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 2: ACCESSIBLE BENCH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Bench is in a lawn area, and no clear floor space is provided.	P	O	7	2	10 SF	\$250
Total for Building: Garfield Landing								\$8,727

See Survey Legend and ADA Overview Report Section for more important information.

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Garfield Landing

- Upper Left: The site has a lawn area only. A paved accessible route is lacking to the bench and water's edge.
- Upper Right: No accessible route is provided to the water's edge.
- Lower Left: The bench requires an adjacent clear floor space at one end.

Garfield Landing

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ADA SURVEY RESULTS
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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: PARKING LOT - ACCESSIBLE PARKING	Add new sign displaying the International Symbol of Accessibility at one existing accessible stall.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: No sign is provided at one accessible parking space (other accessible space has sign).	P	O	1	1	EA	\$290

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 2: ACCESSIBLE PICNIC TABLE NEAR VOLLEYBALL COURT		Provide accessible picnic table (in addition to existing table) with top no more than 34" AFF, and with knee and toe space on one end of table 30" min. wide, 27" min. high, and 17" min. deep.						
		Free standing picnic table provided in the lawn, measured 30" to top surface with knee and toe space below (on end of table) 28-1/2" high and 11-1/2" deep.	P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 3: DRINKING FOUNTAIN AT RESTROOMS	Retain low level drinking fountain (integral with rinse shower and foot rinse nozzles) and add a high level drinking fountain for standing persons.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Compliant low level drinking fountain is provided for wheelchair users integral with exterior rinse shower nozzle and low level foot rinse nozzle.	P	O	1	4	1	EA \$5,590
Barrier	754	The drinking fountain lacks a 30"x48" clear floor space for a front approach OR the clear floor space slope exceeds 2% in all directions.	Citation	2010 ADA Stds. 602.2				
ITEM 4: DRINKING FOUNTAIN AT RESTROOMS	Provide level clear floor space under low level fountain of min. size 30"x48" with slope of 2% max. (1:48) max. in any direction.	Clear floor space under low fountain measured only 19" from post.	P	O	1	4	10	SF \$576
ITEM 5: DRINKING FOUNTAIN NEAR PLAY AREA	Lower the wooden curb for full width of clear floor space and provide level clear floor space under low level fountain of min. size 30"x48" with slope of 2% max. (1:48) max. in any direction.	The knee space is required to be 30" wide, 27" high, and at least 17" deep. Existing condition: Drinking fountain has curb that obstructs clear floor space at low fountain, and knee space measures 26" high.	P	O	1	4	15	SF \$864

See Survey Legend and ADA Overview Report Section for more important information.

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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 6: ACCESSIBLE PICNIC TABLE NEAR VOLLEYBALL COURT	Provide concrete paving at clear floor space under accessible picnic table (slope not to exceed 2.08%).	Locate directly adjacent accessible route to pier.	P	O	1	2	15 SF	\$375
ITEM 7: ACCESSIBLE ROUTE TO PIER	Provide 44" wide (per Code) asphalt paving to the pier, furnishing accessible route to picnic tables with barbecue, trash receptacles and volleyball court along the way. Provide gradual incline toward pier; slopes exceeding 5% require compliant ramp with complying handrails and landings.	No accessible route is provided to pier and asphalt approach to pier had many uneven areas and running slope measuring up to 8%.	P	O	1	2	210 LF	\$7,417
ITEM 8: ACCESSIBLE ROUTE TO RESTROOMS	Provide 44" wide (per Code) asphalt paving to the restroom building, furnishing accessible routes to benches and trash receptacles. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings.	No accessible route is provided to restrooms.	P	O	1	2	150 LF	\$5,298
ITEM 9: ACCESSIBLE ROUTE TO WATER	Design study is required to consider use of existing roadway to the beach and whether to provide accessible route to water's edge. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings. No pricing included for this item pending strategy sessions and design study.	Asphalt roadway extends from parking lot, past play area and toward the beach. Roadway is too steep for accessible route, but is chained off from vehicular use. Roadway ends in lawn section of beach (and proposed accessible routes extend from end of this roadway). Beach has low level wood retaining walls between lawn and sand, and between sand and water (with ladder access into water).	P	O	1	2	1 LF	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 10: DOG WASTE RECEPTACLE NEAR PARKING LOT	Provide new concrete paving for clear floor space adjacent dog waste receptacle with a 2% max. slope (1:48) adjacent existing trail.	Dog waste receptacle is set back too far from paving (i.e., clear floor space is not stable, firm, or slip resistant).	P	O	1	4	10 SF	\$250
ITEM 11: TRASH RECEPTACLE NEAR PARKING LOT	Provide new concrete paving for clear floor space adjacent trash receptacle with a 2% max. slope (1:48) adjacent existing trail.	Trash receptacle is set back too far from paved path and clear floor space adjacent opening of trash receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	10 SF	\$250
ITEM 12: TRASH RECEPTACLES	Provide new concrete paving for clear floor space adjacent receptacles for trash and recycling with a 2% max. cross slope (1:48) adjacent new accessible routes to restrooms (one of each near benches) and pier (one of each near picnic tables and barbecue).	Clear floor space adjacent opening of trash receptacles are not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	40 SF	\$1,000
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 13: ACCESSIBLE BENCHES ALONG VOLLEYBALL COURT	Recommendation: Provide 30"x48" min. level clear floor space adjacent to one end of benches on both sides of court and 44" wide (per Code) paved walkway from new paved route.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: benches along volleyball court are located in lawn and have clear floor space is provided.	P	O	7	2	50 LF	\$1,766

See Survey Legend and ADA Overview Report Section for more important information.

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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries									
ITEM 14: BENCH IN PLAY AREA	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench and 44" wide (per Code) paved walkway from play area entrance (extending by, and providing clear floor space for, trash receptacle).	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is located in wood chips at play area, and no clear floor space is provided.	P	O	7	2	20	LF	\$706
ITEM 15: BENCH NEAR RESTROOMS	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of one bench adjacent new paved walkway to restrooms.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches - provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: two benches are surrounded by lawn, and no clear floor space is provided.	P	O	7	2	10	SF	\$250

See Survey Legend and ADA Overview Report Section for more important information.

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Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Play Areas								
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6				

ITEM 16: PLAY AREA	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	1	EA	\$0
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See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Groveland Beach

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	698	The restroom is substantially inaccessible - lacks overall turning space, clear floor space at fixtures, and/or compliant fixtures and dispensers.	Citation	2010 ADA Stds. 603				
ITEM 17: RESTROOMS NEAR BEACH	Demolish the interior fixture layout and completely renovate the restroom and dressing room within its current footprint.	Restrooms and dressing rooms are substantially non-compliant requiring significant renovation. Cost shown is an allowance until further design studies are carried out.	P	O	1	3	1	EA \$35,000
Total for Building: Groveland Beach								\$62,133

See Survey Legend and ADA Overview Report Section for more important information.

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Groveland Beach Park

Upper Left: Accessible parking stall lacks signage.

Upper Right: Curb obstructs toe space and a clear floor space is lacking at the lower fountain.

Lower Left: Drinking fountain by restrooms lacks a clear floor space and an accessible route.

Groveland Beach Park

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Groveland Beach Park

- Upper Left: Paved road ends. No accessible route is provided to beach, restrooms, volleyball court, or pier.
- Upper Right: No accessible route is provided through the lawn to the restrooms.
- Lower Left: No accessible route is provided to the beach or pier.

Groveland Beach Park

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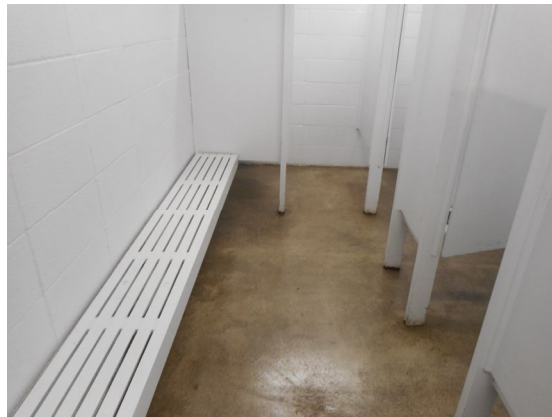
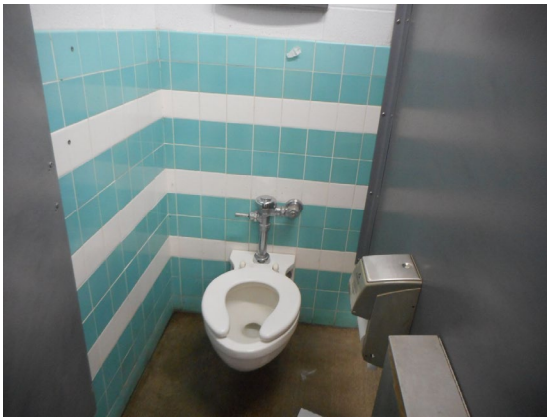


Groveland Beach Park

- Upper Left: Play area requires compliant ground surfaces, which must be periodically inspected and maintained.
- Upper Right: Restroom signage lacks an adjacent clear floor space below.
- Lower Left: The picnic table lacks an accessible seat, clear floor space, and accessible route.

Groveland Beach Park

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Groveland Beach Park

Upper Left: Restrooms are substantially non-compliant. Accessible stall in the Women's restroom is too small, grab bars are missing, flush control is incorrectly located. The Men's restroom lacks a turn-around.

Upper Right: Changing rooms are affected by adjacent restrooms which are substantially non-compliant. No turning space is provided, changing cubicles are too small, and benches in Men's changing room are non-compliant.

Groveland Beach Park

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Homestead Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: ACCESSIBLE PARKING	Remount / raise existing stall signage.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing accessible parking is provided for 3 vehicles (including 1 van), but 2 of the signs are mounted below 60" AFF.	P	O	1	1	2 EA	\$144

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Homestead Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
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Assembly Areas - Indoor / Outdoor

Barrier	563	The assembly area lacks the minimum quantity of wheelchair seating areas with adjoining companion seats.							
			Citation	2010 ADA Stds. 221.2.1					

ITEM 2: NORTH BALLFIELD - EAST BLEACHERS	Move bleachers away from the fencing to provide min. 5'-8" clearance. Add a 36"x48" min. concrete pad adjacent to the south end of the bleachers for one of the wheelchair spaces (the other one will be located between the bleachers and the dugout).	Existing bleachers provide seating for approximately 33 people - 2 wheelchair spaces are required. Due to the proximity of the bleachers to the ballfield fencing, bleachers need to move back, away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2	EA	\$3,622
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ITEM 3: NORTH BALLFIELD - NORTH BLEACHERS	Move bleachers away from the fencing to provide a min. of 5'-8" clearance. Add a 36"x48" min. concrete pad adjacent to the west end of the bleachers for one of the wheelchair spaces (the other one will be located between the bleachers and the dugout).	Existing bleachers provide seating for approximately 33 people - 2 wheelchair spaces are required. Due to the proximity of the bleachers to the ballfield fencing (44" exists, 68" min. required), bleachers need to move back, away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats= 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2	EA	\$3,622
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See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Homestead Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
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Assembly Areas - Indoor / Outdoor

ITEM 4: SOUTH BALLFIELD	Move bleachers away from the fencing to provide min. 5'-8" clearance. Relocate wood border on the east side of the bleachers to provide 110" clearance for 2 wheelchairs plus 44" accessible route.	Existing bleachers provide seating for approximately 33 people - 2 wheelchair spaces are required. Space for 2 wheelchairs should be provided along the east end of the bleachers (66" + 44" accessible route = 110" required; 65" is provided). Due to the proximity of the bleachers to the ballfield fencing (37" exists; 68" min. required), bleachers need to move back, away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2	EA	\$3,622
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See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Homestead Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 5: NORTH BASEBALL DIAMOND	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets shall be 38" min. and 43" max. AFF. Existing condition: Single drinking fountain is provided with rim measuring 26" AFF and spout 27" AFF.	P	O	1	4	1	EA \$4,400
Barrier	754	The drinking fountain lacks a 30"x48" clear floor space for a front approach OR the clear floor space slope exceeds 2% in all directions.	Citation	2010 ADA Stds. 602.2				
ITEM 6: NEAR PLAY AREA	Remove existing and provide level clear floor space under low level fountain of min. size 30"x48" with slope of 2% max. (1:48) max. in any direction. Ensure rim of low level fountain is 34" max. and knee space is 27" min. above new slab.	Pavement at clear floor space under low level fountain is fragmented with slopes measuring up to 3.5%.	P	O	1	4	10	SF \$576

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	497	The accessible route is less than 36" wide.	Citation 2010 ADA Stds. 403.5.1					
ITEM 7: NORTH BALLFIELD - EAST DUGOUT	Widen end section of dugout as required (including concrete pavement, chain link fencing, and metal roof as required) to provide clear floor space for forward approach facing baseball diamond with accessible route passing by in front.	Dugout measures approximately 54" wide where 84" min. is required. Ensure accessible route of 44" min. clear width (per Code) in front of 30"x48" clear floor space adjacent to the end of the bench for wheelchair space.	P	O	1	2	1 EA	\$1,500
ITEM 8: NORTH BALLFIELD - NORTH DUGOUT	Widen end section of dugout as required (including concrete pavement, chain link fencing, and metal roof as required) to provide clear floor space for forward approach facing baseball diamond with accessible route passing by in front.	Dugout measures approximately 54" wide where 84" min. is required. Ensure accessible route of 44" min. clear width (per Code) in front of 30"x48" clear floor space adjacent to the end of the bench for wheelchair space.	P	O	1	2	1 EA	\$1,500
ITEM 9: SOUTH BALLFIELD - SOUTH DUGOUT	Widen end section of dugout as required (including concrete pavement, chain link fencing, and metal roof as required) to provide clear floor space for forward approach facing baseball diamond with accessible route passing by in front.	Dugout measures approximately 54" wide where 84" min. is required. Ensure accessible route of 44" min. clear width (per Code) in front of 30"x48" clear floor space adjacent to the end of the bench for wheelchair space.	P	O	1	2	1 EA	\$1,500
ITEM 10: SOUTH BALLFIELD - WEST DUGOUT	Widen end section of dugout as required (including concrete pavement, chain link fencing, and metal roof as required) to provide clear floor space for forward approach facing baseball diamond with accessible route passing by in front.	Dugout measures approximately 50" wide where 84" min. is required. Ensure accessible route of 44" min. clear width (per Code) in front of 30"x48" clear floor space adjacent to the end of the bench for wheelchair space.	P	O	1	2	1 EA	\$1,500

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Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 11: NORTH BALLFIELD	Provide 44" wide concrete paving to the indicated amenities. At any slope exceeding 5%, provide a compliant ramp with complying handrails and landings.	Existing condition: there is no paved accessible route to the ballfield, and behind the bleachers and dugouts.	P	O	1	2	150 LF	\$8,640
ITEM 12: SOUTH BALLFIELD	Provide 44" wide concrete paving to the indicated amenities. At any slope exceeding 5%, provide a compliant ramp with complying handrails and landings.	Existing condition: there is no paved accessible route to the ballfield, bleachers, and dugout.	P	O	1	2	150 LF	\$8,640
ITEM 13: TENNIS COURTS	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. At any slope exceeding 5%, a compliant ramp with complying handrails and landings is required. (Included in Transpo's scope.)	Fenced in tennis courts are surrounded by grass and separated from parking lot by steep grade change.	P	O	1	2	195 LF	\$8,887

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	676	The stall door hardware on both sides requires gripping, twisting, or pinching to operate, which is not accessible, or the door is not self closing.	Citation	2010 ADA Stds. 604.8.1.2				
ITEM 14: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Add self-closing door hardware and pull on inside of door.	Door does not have the required pull on each side of the door, and door is not self-closing.	P	O	1	3	1 EA	\$290
Barrier	677	The coat hook exceeds 48" high for a front or side approach or the shelves are not mounted 40" min. and 48" max. AFF.	Citation	2010 ADA Stds. 603.4, 308				
ITEM 15: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Provide an additional lower coat hook. Mount at 48" or lower.	Existing coat hook is 59" AFF.	P	O	1	3	1 EA	\$150
ITEM 16: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Provide an additional lower coat hook. Mount at 48" or lower.	Existing coat hook is 59" AFF.	P	O	1	3	1 EA	\$150
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 17: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the wall hung toilet to be 16" - 18" from centerline to side wall by revising plumbing and providing an auto flush sensor. Repair wall finish. Repair wall finish.	Existing toilet measured 19" from centerline to side wall.	P	O	1	3	1 EA	\$1,960

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 18: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the wall hung toilet to be 16" - 18" from centerline to side wall by revising plumbing and providing an auto flush sensor. Repair wall finish.	Existing toilet measured 19-1/2" from centerline to side wall.	P	O	1	3	1 EA	\$1,960
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.	Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 19: MEN'S RESTROOM - ACCESSIBLE STALL	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" to 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar does not provide required min. 24" long from centerline of toilet at transfer side. Also, height to the top measured 32-3/4". Height to be 33" - 36" AFF.	P	O	1	3	1 EA	\$1,300
ITEM 20: WOMEN'S RESTROOM - ACCESSIBLE STALL	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" to 2" cross section and non-circular shapes; allows alternate children's use height.] Existing L-shaped grab bar does not provide required min. 24" long from centerline of toilet at transfer side. Also, height to the top measured 32-1/2". Height to be 33" - 36" AFF.	P	O	1	3	1 EA	\$1,300

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting, or pinching to operate.	Citation	2010 ADA Stds. 604.6				
ITEM 21: MEN'S AND WOMEN'S RR FLUSH CONTROL	Lower the flush controls or provide a retrofit sensor. Cost included in other barriers.	Flush controls shall comply with reach ranges specified in Section 309 (unless the facility was constructed before 2012, in which case it is permitted to be 54" max. AFF according to the 1991 standards, and does not need to be relocated until it is altered).	P	O	1	3	2 EA	\$0
Barrier	683	The toilet paper dispenser is not mounted 7" - 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 22: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the dispenser.	Existing toilet paper dispenser is located within the min. 12" clearance required above the grab bar.	P	O	1	3	1 EA	\$72
ITEM 23: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the dispenser.	Existing toilet paper dispenser is located within the min. 12" clearance required above the grab bar.	P	O	1	3	1 EA	\$72
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 24: MEN'S RESTROOM	Raise height of existing lavatory, assuming max. 34" height.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing lavatory does not provide knee space of 8" deep at 27" AFF.	P	O	1	3	1 EA	\$960

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 25: MEN'S RESTROOM	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Existing mirror measured 40-3/4" to bottom of reflective surface.	P	O	1	3	1 EA	\$150
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 26: MEN'S RESTROOM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing soap dispenser is mounted at 50" AFF to control lever. If altered or built after Sept. 15, 2010, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. CA Title 24 requires 40" max. height. Dispensers are required to be max. 48" high for a front and parallel approach. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	2	1 EA	\$0
ITEM 27: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1 EA	\$150
ITEM 28: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1 EA	\$150

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	716	The accessible building entry or restroom sign lacks signage displaying the International Symbol of Accessibility OR the Pictogram is not 6" high min.	Citation	2010 ADA Stds. 703.7.2.1, 216.6, 216.8				
ITEM 29: ACCESSIBLE RESTROOM	Provide a sign with the International Symbol of Accessibility, raised characters, and braille at latch side of door.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing condition: Both restroom signs lack raised characters, braille is 36" AFF, and pictograms are not 6" (min.) high.	P	O	1	2	2 EA	\$580
Total for Building: Homestead Park								\$55,397

See Survey Legend and ADA Overview Report Section for more important information.



Homestead Park

- Upper Left: Parking signs are mounted too low. Bottom to be 60" min. above paving.
- Upper Right: Bleachers require wheelchair seating (with signage).
- Lower Left: Tennis courts lack an accessible route.

Homestead Park

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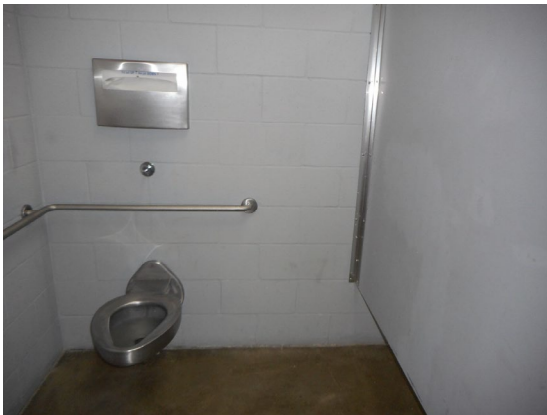


Homestead Park

- Upper Left: Ballfields lack an accessible route.
- Upper Right: Restroom signage is mounted too low.
- Lower Left: Accessible toilet stall doors are required to be self-closing, have a pull on the inside surface, and have coat hooks at 48" max. AFF.

Homestead Park

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Homestead Park

- Upper Left: Grab bars in accessible toilet stalls are not compliant in length and mounting height. Seat cover dispensers mounted behind toilet are not accessible. Toilets are too far from wall (should be located 16" min. - 18" max. from side wall).
- Upper Right: Toilet paper dispensers are mounted within the required 12" clearance space above the grab bar.
- Lower Left: Men's lavatory does not provide compliant knee clearance. Soap dispenser is mounted too high.

Homestead Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: MAIN PARKING LOT - ACCESSIBLE PARKING, ADJACENT TO BALLFIELD #1	Relocation of signage is required due to restriping accessible parking spaces and aisles.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Note: Where a total of four or fewer parking spaces, including accessible parking are provided on site, signs not required.	P	O	1	1	3 EA	\$216

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET	
Assembly Areas - Indoor / Outdoor										
Barrier	563	The assembly area lacks the minimum quantity of wheelchair seating areas with adjoining companion seats.	Citation	2010 ADA Stds. 221.2.1						
ITEM 2: BALLFIELD #1 - HOME TEAM BLEACHERS	Relocate the companion seats to provide min. 66" for 2 wheelchairs, and 36" min. for 1 wheelchair. Provide sign at each designated space. Pricing included is for signage, not bleacher companion seat relocation.	Existing bleachers (1 large set, 1 small set) provide seating for approximately 125 spectators, which requires min. 4 wheelchair spaces. Wheelchair spaces adjacent to companion seats are provided in front of the large set of bleachers, however 36" width (or 66" for 2 wheelchairs) is not provided. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; 5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	4	EA	\$204	
ITEM 3: BALLFIELD #1 - VISITOR TEAM BLEACHERS	Replace the south set of of bleachers with a shorter bleacher to provide min. width of 66" between the 2 sets for 2 wheelchairs, and 44" on the south end (before the angled non-viewable fencing begins) for another wheelchair. Move both sets of bleachers away from the ballfield fencing to provide 5'-8" min. clearance for an accessible route and space for wheelchair. Provide sign at each designated space. Pricing included is for signage, not bleacher replacement and bleacher relocation.	Existing bleachers provide seating for approximately 80 people; 4 wheelchair spaces are required. Space for 1 wheelchair is provided on the north end. Due to the non-viewable fencing area behind home base and 20" width provided between the 2 sets of bleachers, sufficient space is not provided for the additional 3 required wheel chair spaces. Also, 5'-8" clearance is required between the front of the bleachers and the ballfield fencing (44" code required exterior accessible route plus 24" for the wheelchair space extension adjacent to the companion bleacher seat); 5'-4" is provided. Note that space for an accessible route is also not provided between the back of the bleachers to the curb (14" is provided). Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	4	EA	\$204	

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Assembly Areas - Indoor / Outdoor									
Barrier	563	The assembly area lacks the minimum quantity of wheelchair seating areas with adjoining companion seats.	Citation	2010 ADA Stds. 221.2.1					
ITEM 4: BALLFIELD #2 - HOME TEAM BLEACHERS	Move (all) bleachers away from the ballfield fencing to provide min. 5'-8" clearance. Costs are for 4 signs, not for moving the bleachers.	Existing bleachers provide seating for approximately 104 people; 4 wheelchair spaces are required. 2 spaces @ 36" width are provided on each end of the 5-tier bleachers, and the width for 2 wheelchair spaces (66" required) is provided at the end of the 3-tier bleachers. However, the accessible route in front of the bleachers will be compromised. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	4	EA	\$204
ITEM 5: BALLFIELD #2 - VISITOR TEAM BLEACHERS	Move bleachers away from the fencing to provide min. 5'-8" clearance. Costs are for 2 signs, not for moving the bleachers.	Existing bleachers provide seating for approximately 42 people; 2 wheelchair spaces are required. Space for 2 wheelchairs is provided between the dugout and the bleachers (66" + 44" accessible route = 110" required; 107" is provided). Due to the proximity of the bleachers to the ballfield fencing (39" exists; 68" min. required), bleachers also need to move back, away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	2	EA	\$102

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Assembly Areas - Indoor / Outdoor								
Barrier	566	The Team or Player seating area lacks at least 1 accessible wheelchair seating area.	Citation	2010 ADA Stds. 221.2.1.4, 802.1				
ITEM 6: BALLFIELD #1 - HOME TEAM DUGOUT	Add sign at existing designated wheelchair space & companion seating area.	Dugout has space for 1 wheelchair adjacent to the team seating bench.	P	O	1	2	1 EA	\$120
ITEM 7: BALLFIELD #1 - VISITOR TEAM DUGOUT	Revise length of bench to provide min. 36" at the end of the bench for 1 wheelchair space. Add sign at wheelchair space and companion seating area.	Dugout does not have space for 1 wheelchair adjacent to the team seating bench.	P	O	1	2	1 EA	\$781
ITEM 8: BALLFIELD #2 - HOME TEAM DUGOUT	Revise length of bench to provide min. 36" at the end of the bench for 1 wheelchair space. Add sign at wheelchair space & companion seating area.	Dugout does not have space for 1 wheelchair adjacent to the team seating bench.	P	O	1	2	1 EA	\$781
ITEM 9: BALLFIELD #2 - VISITOR TEAM DUGOUT	Add sign at existing designated wheelchair space & companion seating area.	Dugout has space for 1 wheelchair adjacent to the team seating bench.	P	O	1	2	1 EA	\$120

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Built In Elements									
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2					
ITEM 10: BALLFIELD #2 - PICNIC TABLE AREA	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Existing condition: 4 picnic tables are provided, but none provides an accessible forward approach with knee and toe space.	P	O	1	2	1	EA	\$2,500
ITEM 11: TENNIS COURT AREA - NORTH PARK AREA	Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Existing condition: There are 2 picnic tables; neither one provides an accessible forward approach with knee and toe space. Suggest replacing the picnic table on the west side, as it has an accessible route to it.	P	O	1	2	1	EA	\$2,500

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Doors									
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4					
ITEM 12: MEN'S RESTROOM	Revise door hardware so that door does not have BOTH a closer and a latch.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). See additional dimensions for other approaches in 404.2.4.1. Existing condition: Both of the restroom entry doors have a latch and a closer, requiring 12" min. width at the push side.	P	O	1	2	1	SET	\$200
ITEM 13: WOMEN'S RESTROOM	Revise door hardware so that door does not have BOTH a closer and a latch.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). See additional dimensions for other approaches in 404.2.4.1. Existing condition: Both of the restroom entry doors have a latch and a closer, requiring 12" min. width at the push side.	P	O	1	2	1	SET	\$200

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Dressing Rooms, Fitting Room, Locker Room									
Barrier	760	The accessible dressing or fitting room lacks a 42" min. long x 20" to 24" deep bench mounted between 17" - 19" high, or lacks 30"x48" clear floor space at the end of the bench, or lacks an accessible back support.	Citation	2010 ADA Stds. 222, 903					
ITEM 14: MEN'S RESTROOM - DRESSING AREA	Provide a new 20" to 24" deep x 42" long bench at 17" - 19" height affixed to a wall or with accessible back support in an accessible location within the dressing room. Provide a 30"x48" clear floor space at the end of the bench for wheelchair user transfer..	Existing condition: Restroom appears to be used for a dressing rooms for team sports. 3 benches are provided, and none comply with Section 903.	P	O	1	2	1	EA	\$1,110
ITEM 15: WOMEN'S RESTROOM - DRESSING AREA	Provide a new 20" to 24" deep x 42" long bench at 17" - 19" height affixed to a wall or with accessible back support in an accessible location within the dressing room. Provide a 30"x48" clear floor space at the end of the bench for wheelchair user transfer..	Existing condition: Restroom appears to be used for a dressing rooms for team sports. 3 benches are provided, and none comply with Section 903.	P	O	1	2	1	EA	\$1,110
Barrier	761	The coat hooks are too high, or the shelves are not 40" min. to 48" max. AFF.	Citation	2010 ADA Stds. 222, 304.4, 803.2					
ITEM 16: MEN'S RESTROOM - ABOVE THE BENCHES	Lower the coat hooks or provide an additional one.	Coat hooks are required to be 48" and/or comply with reach ranges per Section 308. Existing condition: Hooks are 56" AFF.	P	O	1	2	1	EA	\$108
ITEM 17: WOMEN'S RESTROOM - ABOVE THE BENCHES	Lower the coat hooks or provide an additional one.	Coat hooks are required to be 48" and/or comply with reach ranges per Section 308. Existing condition: Hooks are 56" AFF.	P	O	1	2	1	EA	\$108

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Island Crest Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 18: EAST SIDE OF TENNIS COURTS	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets shall be 38" min. and 43" max. AFF. Existing condition: Single drinking fountain is provided with rim measuring 28" above grade.	P	O	1	4	1	EA \$4,400
ITEM 19: OUTSIDE LOCKER ROOMS	Replace each drinking fountain with a hi-low model (or eliminate 1 or 2 fountains as determined by city).	Where drinking fountains are provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF. Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: A single low level drinking fountain with insufficient knee depth is provided outside locker room doors (total 3 locations).	P	O	1	4	3	EA \$13,200

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier 500	The accessible route with a level change lacks a ramp, or the existing ramp is substantially non-compliant.		Citation	2010 ADA Stds. 303, 303.4				
ITEM 20: ACCESSIBLE ROUTE TO TENNIS COURTS - NORTH PARK AREA	Construct a ramp structure with max. 1:12 (8.33%) ramp at the indicated number of locations.	Max. ramp slope is 1:12. Ramps with a level change at or less than 3" can have a slope up to 1:8 max. Ramps with level change at or less than 6" can have a slope up to 1:10 max. Ramp slopes shall not exceed 1:8. Handrails are required where the rise is greater than 6". Existing condition: From the picnic table area up to the tennis court, route has 2 steps up.	P	O	1	2	1	LF \$750
Barrier 510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.		Citation	2010 ADA Stds. 206.2.2				
ITEM 21: BALLFIELD #2 - PICNIC TABLE AREA	Provide 44" min. wide (per Code) asphalt paving to an accessible picnic table. Include a 30"x48" clear floor space at knee & toe approach area.	Existing condition: picnic tables are provided in lawn area.	P	O	1	2	15	LF \$530
ITEM 22: DRINKING FOUNTAIN EAST OF TENNIS COURTS	Provide new accessible route 44" wide (per Code) asphalt paving from nearest path.	No accessible route is provided to drinking fountain east of tennis court.	P	O	1	2	9	LF \$318
ITEM 23: PICNIC AREA - ADJACENT TO NORTH PARKING LOT, BBQ	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. Include a 30"x48" clear floor space adjacent to the front of the BBQ.	Existing condition: BBQ lacks a paved accessible route to it.	P	O	1	2	20	LF \$706

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	671	The accessible toilet stall lacks the min. required dimensions, or the accessible water closet lacks the min. required 60" wide clear floor space.	Citation	2010 ADA Stds. 604, 213				
ITEM 24: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Remove 1 reinforced masonry toilet stall partition and replace it with a narrower metal toilet partition, providing the extra space in the accessible stall.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: toilet stall measures 54" wide x 58" long.	P	O	1	3	1 EA	\$5,190
ITEM 25: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Remove 1 reinforced masonry toilet stall partition and replace it with a narrower metal toilet partition, providing the extra space in the accessible stall.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: toilet stall measures 55" wide x 58" long.	P	O	1	3	1 EA	\$5,190
Barrier	677	The coat hook exceeds 48" high for a front or side approach or the shelves are not mounted 40" min. and 48" max. AFF.	Citation	2010 ADA Stds. 603.4, 308				
ITEM 26: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Provide an additional lower coat hook.	Mount at 48" or lower. Existing condition: hook is mounted 58" AFF.	P	O	1	3	1 EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 27: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Provide an additional lower coat hook.	Mount at 48" or lower. Existing condition: Hook is mounted 56" AFF.	P	O	1	3	1 EA	\$150
Barrier	679	The toilet seat height is not between 17" - 19" high.	Citation	2010 ADA Stds. 604.4, 604.9				
ITEM 28: MEN'S RESTROOM - ACCESSIBLE TOILET	Install a lift seat.	Existing condition: top of seat is 16-1/2" AFF.	P	O	1	3	1 EA	\$210
ITEM 29: WOMEN'S RESTROOM - ACCESSIBLE TOILET	Install a lift seat.	Existing condition: top of seat is 16-1/2" AFF.	P	O	1	3	1 EA	\$210
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.	Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 30: MEN'S RESTROOM	Remount the existing grab bars.	Existing condition: The grab bars are the proper length, but are mounted too close to the corner. The 42" side wall grab bar should be 54" min. from the corner, and the 36" rear wall grab bar should be mounted so that 24" is from the toilet centerline to the end of the grab bar on the open side.	P	O	1	3	1 EA	\$410
ITEM 31: WOMEN'S RESTROOM	Remount the existing grab bars.	Existing condition: The grab bars are the proper length, but are mounted too close to the corner. The 42" side wall grab bar should be 54" min. from the corner, and the 36" rear wall grab bar should be mounted so that 24" is from the toilet centerline to the end of the grab bar on the open side.	P	O	1	3	1 EA	\$410

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting, or pinching to operate.	Citation	2010 ADA Stds. 604.6				
ITEM 32: MEN'S RESTROOM - ACCESSIBLE TOILET STALL		Reverse controls or provide a retrofit sensor control on the wall mounted toilet.		P	O	1	3	1 EA \$810
Barrier	683	The toilet paper dispenser is not mounted 7" - 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 33: MEN'S RESTROOM - ACCESSIBLE TOILET STALL		Relocate the dispenser.		P	O	1	3	1 EA \$72
ITEM 34: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL		Relocate the dispenser.		P	O	1	3	1 EA \$72
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 35: MEN'S RESTROOM		Replace lavatory with an accessible model.		P	O	1	3	1 EA \$2,340

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 36: WOMEN'S RESTROOM	Replace lavatory with an accessible model.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing condition: Knee space is not provided below either lavatory.	P	O	1	3	1 EA	\$2,340
Barrier	694 The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation 2010 ADA Stds. 308.3						
ITEM 37: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1 EA	\$150
ITEM 38: MEN'S RESTROOM - SOAP DISPENSERS	Relocate or lower the dispensers not meeting 2010 Standards to meet more stringent code requirement of a lower height.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: Soap dispensers are mounted above 48" AFF to the controls.	P	O	1	3	2 EA	\$300
ITEM 39: MEN'S RR - HAND DRYER	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing condition: the button control for electric hand dryer at each sink is mounted at 49" AFF. If altered or built after Sept. 15, 2010, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. CA Title 24 requires 40" max. height. Dispensers are required to be max. 48" high for a front and parallel approach. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms									
ITEM 40: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1	EA	\$150
ITEM 41: WOMEN'S RESTROOM - HAND DRYER	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing condition: the button control for electric hand dryer at each sink is mounted at 50" AFF. If altered or built prior to Sept. 15, 2010, per 2010 Standards, the item should be below 48" AFF. Many building codes are more stringent and have a max. 48" reach for any approach, which should be applied. CA Title 24 requires 40" max. height. Dispensers are required to be max. 48" high for a front and parallel approach. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	2	1	EA	\$0
ITEM 42: WOMEN'S RESTROOM - SOAP DISPENSERS	Relocate or lower the dispensers not meeting 2010 Standards to meet more stringent code requirement of a lower height.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: 1 soap dispenser is mounted at 50" AFF to the controls, and the other is compliant at 42" AFF.	P	O	1	3	1	EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Island Crest Park

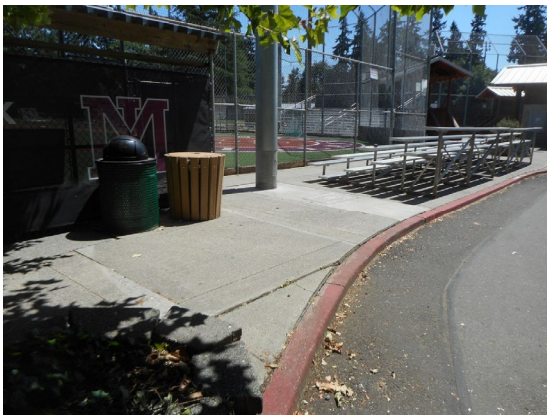
Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	713	The permanent room sign lacks raised letters and braille characters OR the raised letters characters do not meet the requirements.	Citation	2010 ADA Stds. 216, 703.3, 703.2, 703.5				
ITEM 43: BALLFIELD AREA - MEN'S RESTROOM	Provide new compliant sign at the latch side of the door.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Signs not located in public use areas shall not be required to comply with 216. Existing condition: Signage does not have raised lettering, and braille is 40" AFF.	P	O	1	2	1 EA	\$290
ITEM 44: BALLFIELD AREA - WOMEN'S RESTROOM	Provide new compliant sign at the latch side of the door.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Signs not located in public use areas shall not be required to comply with 216. Existing condition: Signage does not have raised lettering, and braille is 40" AFF.	P	O	1	2	1 EA	\$290
Total for Building: Island Crest Park								\$49,356

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Island Crest Park

- Upper Left: Van accessible parking space is insufficient in width. Relocation of signage is required due to restriping.
- Upper Right: Ballfield #1 Home Team bleachers — companion seats do not provide the required width for adjacent wheelchair seating.
- Lower Left: Ballfield #1 Visitor Team bleachers — space is not sufficient for wheelchair seating, including accessible route.

Island Crest Park

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Island Crest Park

- Upper Left: Ballfield #2 Home Team bleachers are too close to fencing to provide an accessible route in front of the required wheelchair spaces.
- Upper Right: Ballfield #2 Visitor Team bleachers are too close to fencing to provide an accessible route in front of the required wheelchair spaces.
- Lower Left: Dugouts require a wheelchair space adjacent to the end of the bench. Some benches must be adjusted in length to provide wheelchair space.

Island Crest Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2

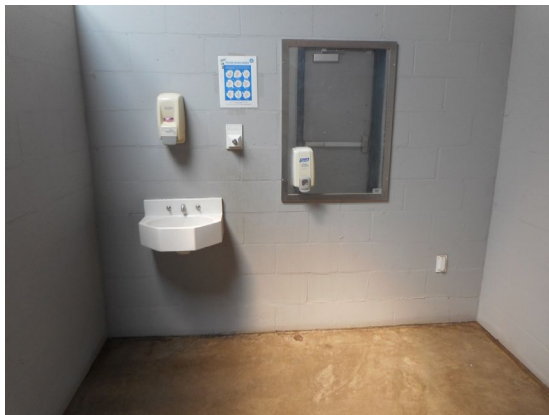
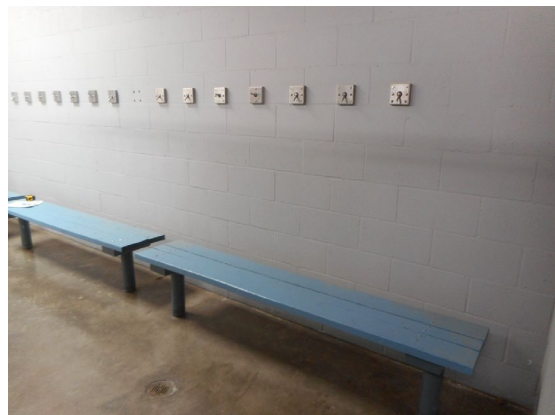
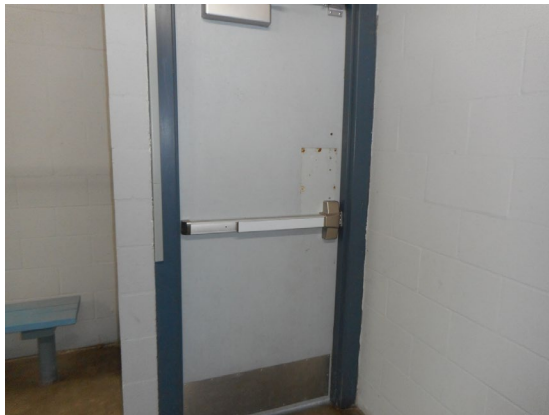


Island Crest Park

- Upper Left: 1 picnic table is required to provide an accessible seat. An accessible route is required to table.
- Upper Right: 1 picnic table is required to provide an accessible seat. An accessible route is required to table. A ramp is required to tennis courts.
- Lower Left: A single low drinking fountain is provided outside of each restroom, with insufficient knee space. Hi-low drinking fountains are required.

Island Crest Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3

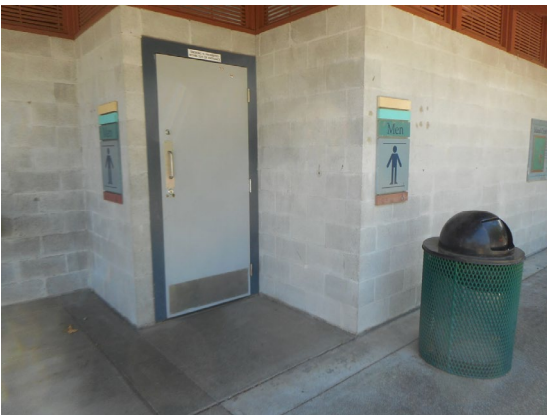
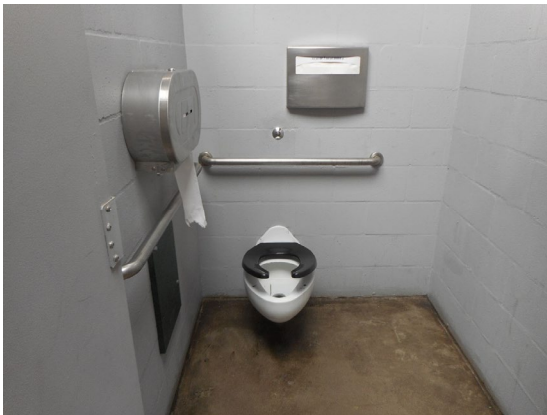


Island Crest Park

- Upper Left: Restroom doors have a latch and a closer, requiring 12" min. width on the push side.
- Upper Right: Dressing room benches are non-compliant, an additional bench is required in each dressing room. Clothes hooks are mounted too high, one in each room must be lowered or provide a new hook at 48" max. AFF.
- Lower Left: Each restroom has 2 lavatories. Neither has an accessible knee space clearance. 1 in each restroom must be compliant. Soap dispenser mounted too high.

Island Crest Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4



Island Crest Park

Upper Left: Accessible toilet stall in each restroom is insufficient in width. Seat heights are too low. Grab bars require relocation. Flush control in Men's accessible stall is incorrectly located. Photo is Men's restroom.

Upper Right: The accessible toilet stall in each restroom requires toilet paper & seat cover dispensers to be relocated. Photo is Women's restroom.

Lower Left: Restroom signage is non-compliant (requires raised lettering and braille), and is non-compliant in location.

Island Crest Park

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ADA SURVEY RESULTS
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Lincoln Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLES		Provide the indicated number of tables with tops no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.	Existing condition provides 2 picnic tables, and neither has an accessible clear floor space for a forward approach.	P	O	1	2	1 EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

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Lincoln Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 2: ACCESSIBLE ROUTE TO PICNIC TABLES	Provide 44" min. wide (per Code) asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings.	Existing asphalt ends before reaching either of the 2 picnic tables. Accessible route is required to 1 table.	P	O	1	2	50	LF \$1,766
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 3: ACCESSIBLE PICNIC TABLES	Remove section of concrete paving and regrade & pave with concrete with a 2% max. cross slope (1:48).	Provide a 30" wide x 48" deep concrete clear floor space at 1 seating area of an accessible picnic table.	P	O	1	2	3	LF \$216
Total for Building: Lincoln Landing								\$4,482

See Survey Legend and ADA Overview Report Section for more important information.

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Lincoln Landing

- Upper Left: No accessible route is provided to picnic tables.
- Upper Right: Neither of the 2 picnic tables provides an accessible seat with the required knee and toe clearance. 1 accessible picnic table must be provided.
- Lower Left: The accessible picnic table requires a paved clear floor space at the accessible seat, and an accessible route to it.

Lincoln Landing

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
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Luther Burbank Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: NORTH PARKING LOT - ACCESSIBLE PARKING	Mount existing signs displaying the International Symbol of Accessibility on new permanent posts directly beyond head of spaces at compliant height of 60" min. to bottom edge of signs.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: Compliant signs are provided, but mounted on wall (far back from head of spaces) at height of 44" above grade.	P	O	1	1	5 EA	\$1,450

See Survey Legend and ADA Overview Report Section for more important information.

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Luther Burbank Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Assembly Areas - Indoor / Outdoor								
Barrier	563	The assembly area lacks the minimum quantity of wheelchair seating areas with adjoining companion seats.	Citation	2010 ADA Stds. 221.2.1				
ITEM 2: AMPITHEATER	Provide new wheelchair accessible areas (wheelchair space with adjoining designated companion seat) at exterior assembly area - 2 at left side, 2 at right. Provide sign at each designated space.	Existing condition: Terraced lawn seating provided, but no accessible spaces are provided. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	88 SF	\$2,200
Barrier	573	There is no direct accessible route from the wheelchair seating area to the performing areas, such as the stage.	Citation	2010 ADA Stds. 206.2.6				
ITEM 3: AMPITHEATER	Provide new 44" min. wide (per Code) accessible route to the stage from circulation path to north.	Where a circulation path directly connects a performance area to an assembly seating area, an accessible route shall directly connect the assembly seating area with the performance area.	P	O	1	2	15 LF	\$530
Barrier	574	The lawn seating or overflow seating without fixed seats lacks an accessible route.	Citation	2010 ADA Stds. 221.5				
ITEM 4: AMPITHEATER	Provide accessible routes to new accessible seating areas on left and right sides of stage from circulation paths to west and north.	Accessible routes shall be 44" min. wide (per Code); lengths are assumed at 35'-0" from west circulation path to left side of stage (to negotiate slope of lawn) and 5'-0" from north circulation path to right side of stage.	P	O	1	2	40 LF	\$1,413

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Luther Burbank Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	481	The sales or service counter lacks a 36" long lowered portion of counter that is max. 36" high for a 48" parallel approach or is not 30" long min. with knee space for a forward approach or does not extend the same depth as the sales or service countertop.	Citation	2010 ADA Stds. 227.3, 904.4.2, 902.3				
ITEM 5: GUARD STATION - SERVICE COUNTER	Lower a section of existing counter to 36" AFF (for 36" min. length).	Service counter is rolling door with sill measuring approximately 40" above lawn.	P	O	1	2	1 EA	\$3,000
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 6: ACCESSIBLE PICNIC TABLE - PLAY AREA NEAR TENNIS COURTS	Provide additional accessible picnic table near existing picnic table with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table. Ensure clear floor space below end of accessible table has slope of 1:48 (2%) max. in any direction.	Existing picnic table located at the north side of play area has table surface measuring 30" from grade with knee space measuring 26-1/4" high and 23-1/4" wide.	P	O	1	2	1 EA	\$2,500
ITEM 7: ACCESSIBLE PICNIC TABLE IN BIG DOG PARK	Provide additional accessible picnic table near south gate with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table.	Existing picnic table is a stand alone located in the middle of dog park with no clear floor space. Table surface measures 29-1/2" from grade with knee space measures 28" high and 12" deep.	P	O	1	2	1 EA	\$2,500

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Built In Elements								
ITEM 8: ACCESSIBLE PICNIC TABLE IN SMALL DOG PARK	Provide additional accessible picnic table near gate with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table.	Existing picnic table is a stand alone located in the middle of dog park with no clear floor space. Table surface measures 28-1/2" from grade with knee space measures 27" high and 9" deep.	P	O	1	2	1 EA	\$2,500
ITEM 9: ACCESSIBLE PICNIC TABLE NEAR PLAY AREA - NEAR PICNIC AREA C	Raise tables (or alter accessible end of tables) by 3/4" min. to provide knee height of 27".	Existing picnic tables are have table surface measuring 30" from grade with knee space measuring 30-1/2" wide and 26-1/4" high (with unlimited depth). Owner/maintenance item.	P	O	1	2	1 EA	\$350
ITEM 10: ACCESSIBLE PICNIC TABLE ON BOARDWALK - WETLAND TRAIL	Add accessible picnic table with surface 34" max. AFF and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table.	Existing picnic table is stand alone located on boardwalk platform with table surface measuring 28" from grade with knee space measures 26-1/2" high and 9" deep.	P	O	1	2	1 EA	\$2,500
ITEM 11: ACCESSIBLE PICNIC TABLES - CALKINS POINT	Replace accessible picnic tables with top of tables at 28" to 34" above slab, and with 27" min. high, 30" min. wide, 17" deep knee and toe space. If table is pedestal type (similar to existing), ensure central post is embedded or recessed in concrete. Pedestal base with change in level at steel plate and protruding bolts is not permitted to encroach into toe space within 30"x48" clear floor space.	Accessible picnic tables are provided on paving on both sides of Calkins Point beach, with surface at 32" AFF, but knee space below measured 25-1/2" from slab to bottom edge of steel angles spaced 26" apart.	P	O	1	2	2 EA	\$5,000

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
ITEM 12: ACCESSIBLE PICNIC TABLES - PICNIC AREA A	Assuming 8 people per picnic table (and 3 existing tables), add 2 new accessible tables with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table. Locate new accessible tables along new accessible route to BBQ grille and trash receptacles.	3 existing stand alone picnic tables were observed in lawn with no clear floor space. Knee space at end of all of them was too low and/or too shallow.	P	O	1	2	2 EA	\$5,000
ITEM 13: ACCESSIBLE PICNIC TABLES - PICNIC AREA B	Assuming 8 people per picnic table, replace accessible table (which is not compliant) with 2 compliant accessible tables, each with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table. Locate new accessible tables along new accessible route to BBQ grille and hot coal receptacle.	3 existing picnic tables were observed in lawn, including 1 designated as accessible table. Knee space at accessible table measured 27" high to bottom surface of table, but only 24-1/2" to bottom edge of steel supports spaced 21-1/2" apart and encroaching on knee space, making it non-compliant.	P	O	1	2	2 EA	\$5,000
ITEM 14: ACCESSIBLE PICNIC TABLES - PICNIC AREA C	Assuming 8 people per picnic table (and 8 picnic tables dispersed across Picnic Area C), replace 4 existing tables with accessible picnic tables with knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table. Locate accessible tables so that slab for 30"x48" clear floor space at accessible end of table has slope of 2% (1:48) at concrete slabs closest to paved walkway.	Existing picnic tables have knee space measuring too low and/or too shallow.	P	O	1	2	4 EA	\$10,000

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Built In Elements								
ITEM 15: ACCESSIBLE PICNIC TABLES EAST OF AMPITHEATER	Assuming 8 people per picnic table, replace 2 existing tables with accessible picnic tables with surface 34" max. above grade and knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table.	Existing picnic tables are stand alone located in lawn with no clear floor space. Table surface measures 28" from grade with knee space measures 26-1/2" high and 12" deep.	P	O	1	2	2 EA	\$5,000
ITEM 16: ACCESSIBLE PICNIC TABLES NEAR PLAY AREAS - NEAR TENNIS COURTS	Raise tables (or alter accessible end of tables) by 3/4" min. to provide knee height of 27".	Existing picnic tables are have table surface measuring 30" from grade with knee space measuring 30-1/2" wide and 26-1/4" high (with unlimited depth). Owner/maintenance item.	P	O	1	2	2 EA	\$700

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Doors								
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 17: GATE TO SMALL DOG PARK - VESTIBULE BETWEEN DOG PARKS	Remove existing paving at door maneuvering space for small dog park gate and provide new paving at door maneuvering space on both sides of both dog park gate.	Ensure door maneuvering spaces are min. gate width x 48" deep for push side forward approach. Door maneuvering space at small dog park has non-compliant level change on latch side.	P	O	1	2	24 SF	\$1,212
ITEM 18: USER PASSAGE GATES - NORTH END OF BIG DOG PARK	Provide new paving at door maneuvering space on both sides of both dog park gates.	Ensure door maneuvering spaces are min. gate width x 48" deep for push side forward approach. North end of big dog park has 2 user passage gates: 1 north entry to big dog park and 1 entry to pathway leading to the water. Both gates have no paving at door maneuvering space. (Double gate is assumed to be for employees only.)	P	O	1	2	96 SF	\$2,400
ITEM 19: WOMEN'S RESTROOM NEAR TENNIS COURTS	Remove and repave exterior concrete surface (at door entry) to provide a level approach.	Slope of exterior door maneuvering space measures up to 5.5%. Ensure door maneuvering space slopes 2% (1:48) max. in any direction.	P	O	1	2	23 SF	\$1,053
Barrier	622	The existing door does not have a smooth surface a min. 10" from the floor or exterior surface and/or the kick plate installed is not capped.	Citation	2010 ADA Stds. 404.2.10				
ITEM 20: GATES TO DOG PARKS	Recommend no change, as gates pre-date the 2010 ADAS and the 1994 ADAAG did not include this requirement. When gates are replaced or otherwise altered, however, they will need to be brought into compliance with ADAS	For double acting gates, kick plate is required on both sides. Existing condition: Total 3 gates are provided at vestibule between small dog and big dog parks and 2 gates (for user passage) at north end of big dog park; all 5 gates have chain link full height and swing both ways (thus both sides are counted as "push side")	P	O	8	1	10 EA	\$0

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Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 21: DRINKING FOUNTAIN AT RESTROOMS - PICNIC AREA C	Retain low level drinking fountain (integral with rinse shower and foot rinse nozzles) and add a high level drinking fountain for standing persons.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Compliant low level drinking fountain is provided for wheelchair users integral with exterior rinse shower nozzle and low level foot rinse nozzle.	P	O	1	4	1	EA \$4,400
ITEM 22: RESTROOMS AT BOILER ROOM	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only one drinking fountain is provided.	P	O	1	4	1	EA \$4,400
Barrier	753	The water fountain lacks a min. 27" high knee clearance for a front approach, OR is too high, creating a protruding object.	Citation	2010 ADA Stds. 602.2,307				
ITEM 23: SOUTH OF ADMIN. BLDG.	Where the spout height complies at 36" max., add a furring strip to the bottom of the fountain to 27" exactly.	Objects that protrude over 4" horizontal are considered a protruding object if the leading edge is above 27" AFF. Existing condition; low fountain bottom is at 27-3/4" AFF.	P	O	1	4	1	EA \$320

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Drinking Fountains								
Barrier	754	The drinking fountain lacks a 30"x48" clear floor space for a front approach OR the clear floor space slope exceeds 2% in all directions.	Citation	2010 ADA Stds. 602.2				
ITEM 24: DRINKING FOUNTAIN AT RESTROOMS - PICNIC AREA C	Remove existing and provide level clear floor space under low level fountain of min. size 30"x48" with slope of 2% max. (1:48) max. in any direction.	Clear floor space under low fountain is too small and measured between 2.5% and 3%.	P	O	1	4	15 SF	\$864
ITEM 25: NEAR RAMP TO PLAY AREA - NEAR TENNIS COURTS	Remove existing and provide level clear floor space under low level fountain of minimum size 30"x48" with slope of 2% max. (1:48) max. in any direction.	Slope of clear floor space under low fountain measured between 8% and 12%.	P	O	1	4	15 SF	\$864
ITEM 26: SOUTH OF ADMIN. BLDG.	Level a min. 30"x48" clear floor space to provide 2% in all directions at the fountain.	Existing condition: clear floor space at fountain measured up to 4.6% slope.	P	O	1	4	10 SF	\$576

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Exterior Accessible Routes / Entries								
Barrier	500	The accessible route with a level change lacks a ramp, or the existing ramp is substantially non-compliant.	Citation	2010 ADA Stds. 303, 303.4				
ITEM 27: NEW RAMP TO EXISTING TENNIS COURTS	Demolish retaining wall on north side as required and construct new ramp with retaining walls with max. 1:12 (8.33%) slope for total rise of approximately 42", comprised of 2 ramp runs with 60" min. long landings at top, bottom, and middle. Seating levels along retaining wall shall be reworked with this new ramp construction to provide seating areas with slopes of 1:48 (2%) max. and on accessible routes.	Existing level change on north side of tennis court is approximately 42" (estimated from stairs with 7 risers each 6" high). Existing seating areas are a large step down (not on accessible route) and sloped between 3% and 5%. Ramp slope shall be 1:12 max. Ramps shall have continuous handrails on both sides with 12" min. long extensions at top and bottom of ramps before bending down or returning to wall.	P	O	1	2	60	LF \$45,000
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 28: ACCESSIBLE PICNIC TABLE - PICNIC AREA C	Provide new accessible route 44" wide (per Code) asphalt paving to 2 existing picnic table concrete pads from existing path and to 1 existing picnic table pad from Guard station (passing by and accessing dog waste station and trash receptacle along the way).	Accessible route is provided to only 1 concrete pad at picnic tables. 2 existing concrete pads nearest to paved walkway measured approximately 6'-0" and 19'-0" away from edge of pavement. A 4th concrete pad at picnic table measured approximately 35'-0" from Guard station.	P	O	1	2	60	LF \$2,119
ITEM 29: ACCESSIBLE PICNIC TABLE IN BIG DOG PARK	Provide concrete paving at clear floor space under accessible picnic table (slope not to exceed 2.08%).	Locate accessible picnic table near south gate (assume 5'-0" from paving at south gate).	P	O	1	2	30	SF \$750

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Exterior Accessible Routes / Entries								
ITEM 30: ACCESSIBLE PICNIC TABLE IN SMALL DOG PARK	Provide concrete paving at clear floor space under accessible picnic table (slope not to exceed 2.08%).	Locate accessible picnic table near gate (assume 5'-0" from paving).	P	O	1	2	30 SF	\$750
ITEM 31: ACCESSIBLE PICNIC TABLE ON BOARDWALK - WETLAND TRAIL	Adjust boardwalk boards or fill in gaps as required to provide joints no wider than 1/2" and perpendicular with direction of travel (slope not to exceed 2.08%).	Boardwalk surface at clear floor space has joints that measure as wide as 3/4" in some places and are parallel with direction of forward approach into accessible seat.	P	O	1	2	12 SF	\$0
ITEM 32: ACCESSIBLE PICNIC TABLES EAST OF AMPITHEATER	Provide concrete paving at clear floor space under 2 accessible picnic tables (slope not to exceed 2.08%).	Locate 1 accessible picnic table directly adjacent paved circulation route; locate other accessible picnic table deeper into lawn (assume 20'-0" from paved circulation route).	P	O	1	2	100 SF	\$2,500
ITEM 33: ACCESSIBLE ROUTE TO - NEAR SWIM BEACH	Provide new accessible route 44" wide (per Code) asphalt paving from restroom building to existing Guard station.	No accessible route is provided to Guard station	P	O	1	2	55 LF	\$1,943
ITEM 34: ACCESSIBLE ROUTE TO BENCH NEAR DOG WASH	Provide new accessible route 44" wide (per Code) asphalt paving from existing paved path to bench.	No accessible route is provided to bench.	P	O	1	2	40 LF	\$1,413
ITEM 35: ACCESSIBLE ROUTE TO BENCH NEAR NORTH GATE - BIG DOG PARK	Provide new accessible route 44" wide (per Code) asphalt paving from north gate to existing bench along north fence.	No accessible route is provided to bench.	P	O	1	2	28 LF	\$989

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Exterior Accessible Routes / Entries									
ITEM 36: ACCESSIBLE ROUTE TO BENCH NEAR PATH - CALKINS POINT	Provide new accessible route 44" wide (per Code) asphalt paving from north gate to existing bench along north fence.	No accessible route is provided to bench.	P	O	1	2	8	LF	\$283
ITEM 37: ACCESSIBLE ROUTE TO BENCH NEAR PATH - EAST OF AMPITHEATER	Provide new accessible route 44" wide (per Code) asphalt paving from existing paved path to accessible bench near path facing shore.	No accessible route is provided to benches.	P	O	1	2	12	LF	\$424
ITEM 38: ACCESSIBLE ROUTE TO BENCH NEAR PICNIC AREA B	Provide new accessible route 44" wide (per Code) asphalt paving from new accessible route along Picnic Area B to nearest bench.	2 benches are provided near Picnic Area B and no accessible route is provided to either bench. Running slope of accessible route shall be 1:20 (5%) max. (otherwise a compliant ramp would be required).	P	O	1	2	30	LF	\$1,060
ITEM 39: ACCESSIBLE ROUTE TO BENCH NEAR WALLACE POND	Provide new accessible route 44" wide (per Code) asphalt paving from existing paved path to bench nearest North Lot.	2 benches are provided near Wallace Pond and no accessible route is provided to either bench. Running slope of accessible route shall be 1:20 (5%) max. (otherwise a compliant ramp would be required).	P	O	1	2	25	LF	\$883
ITEM 40: ACCESSIBLE ROUTE TO BENCH UNDER TREE - EAST OF AMPITHEATER	Provide new accessible route 44" wide (per Code) asphalt paving from nearest existing paved path to accessible bench under tree.	No accessible route is provided to benches.	P	O	1	2	35	LF	\$1,236
ITEM 41: ACCESSIBLE ROUTE TO DOG BEACH - BIG DOG PARK	Provide 44" min. wide (per Code) asphalt paving to dog beach. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings.	No accessible route is provided to dog beach. Slope of decline toward water measured as steep as 18%.	P	O	1	2	190	LF	\$12,540

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Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 42: ACCESSIBLE ROUTE TO DOG WASH	Provide new accessible route 44" wide (per Code) asphalt paving from existing paved path to dog wash.	No accessible route is provided to dog wash.	P	O	1	2	30	LF \$1,060
ITEM 43: BBQ GRILLE - PICNIC AREA C	Provide new accessible route 44" wide (per Code) asphalt paving from existing grilles from existing picnic table slabs (one 13'-0" long, one 20'-0" long).	No accessible routes are provided to BBQ grilles in Picnic Area C.	P	O	1	2	33	LF \$1,166
ITEM 44: BBQ GRILLE AND COAL RECEPTACLES - PICNIC AREA B	Provide new accessible route 44" wide (per Code) asphalt paving from existing path on the east past trash, recycling and hot coals receptacles to BBQ grille.	No accessible route is provided to BBQ grille or hot coal receptacle.	P	O	1	2	60	LF \$2,119
ITEM 45: BBQ GRILLE AND RECEPTACLES - PICNIC AREA A	Provide new accessible route 44" wide (per Code) asphalt paving from existing path on the east past trash, recycling, and hot coals receptacles to BBQ grille.	No accessible route is provided to BBQ grille, hot coal, trash, and recycling receptacles.	P	O	1	2	75	LF \$2,649
ITEM 46: BULLETIN BOARD - BIG DOG PARK	Provide new bulletin board adjacent paving at south gate in order to provide accessible route and clear floor space nearby.	Existing bulletin board is provided in center of big dog park (approximately 240'-0" from south gate and 185'-0" from north gate).	P	O	1	2	1	EA \$3,500
ITEM 47: PEA PATCH	Provide new accessible route 44" wide (per Code) asphalt paving to existing pea patch from the nearest walkway.	No accessible routes are provided to, or within, the pea patch.	P	O	1	2	370	LF \$13,068

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Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 48: ROOF OF RESTROOM BUILDING - NEAR TENNIS COURTS	Providing accessible route is not readily achievable without providing wheelchair lift. Consider blocking off access to this space for all children. If route is desired budget \$24,580.00 for wheelchair lift.	Circular stair (with handrail on one side only) climbs up to play / lookout area on roof of restrooms, but no accessible route is provided to this space.	P	O	2	2	1	EA \$0
ITEM 49: SMALL CHILDREN AREA - PLAY AREA NEAR TENNIS COURTS	Provide new accessible route 44" wide (per Code) asphalt paving at opening in wooden border from existing path.	Although 3 openings are provided in wooden border around small children's play area, none of them is accessed by paved accessible route.	P	O	1	2	3	LF \$106
Barrier	512	The object is a protruding object, which projects more than 4" into the accessible route with its leading edge between 27" and 80" high, making it not cane detectable, with exception to handrails which are allowed 4-1/2" projection.	Citation	2010 ADA Stds. 307.2, 204				
ITEM 50: RAMP TO PLAY AREA - NEAR TENNIS COURTS	Alter handrail return to down to 27" max. above slab - 2 places at bottom of ramp, 2 places at top of ramp, and 1 place at middle landing.	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. Existing condition: At ramp to play area, handrails bend down on an angle to vertical post, but protrude approximately 7" at height of 27" above slab.	P	O	1	1	5	EA \$432
ITEM 51: SIGN KIOSK - NEAR BOILER ROOM RESTROOMS	Provide a lower horizontal rail to existing railing down to 27". (Alternatively, ensure no signs protrude more than 4" from surface at 27" above slab.)	An object may not protrude more than 4" into an accessible path if its leading edge is between 27" and 80" AFF. If the object is post mounted it may protrude 12" max. Existing condition: From height of 27" above slab, sign surfaces protrude up to 6" into accessible route.	P	O	1	1	10	LF \$863

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Exterior Accessible Routes / Entries								
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 52: BIKE RACK ALONG PAVED PATH - EAST OF AMPITHEATER	Replace slab at bike rack and include 30"x48" clear floor space one end of rack.	Bike rack has paved slab measuring up to 9.1% with no clear floor space on either side.	P	O	1	4	30	SF \$750
ITEM 53: FLAG POLE - EAST OF AMPITHEATER	Provide concrete slab for 60"x60" clear floor space directly adjacent flag pole plaque (large enough for turning around at end of long accessible route).	Flag pole has no paved clear floor space adjacent plaque.	P	O	1	4	25	SF \$625
ITEM 54: RECEPTACLES & DISPENSER NEAR PICNIC AREA B	Provide concrete slab for 30"x48" clear floor space directly adjacent trash receptacle, recycling receptacle, and dog waste dispenser.	Trash and recycling receptacles and dog waste dispenser have no clear floor space adjacent pathway near Picnic Area B.	P	O	1	4	30	SF \$750
ITEM 55: RECYCLING RECEPTACLE AT PICNIC AREA NEAR AMPITHEATER	Provide concrete slab for 30"x48" clear floor space directly adjacent recycling receptacle.	Recycling receptacle has opening in center of top surface measuring 26" from edge of paving. Reach range shall be limited to 24" deep over obstruction 34" max. above grade.	P	O	1	4	10	SF \$250
ITEM 56: TRASH RECEPTACLE ACROSS FROM PLAY AREA - NEAR SOUTH LOT	Provide concrete slab for 30"x48" clear floor space directly adjacent trash receptacle.	Trash receptacle is set back too far from paved surface across from play area near south lot.	P	O	1	4	10	SF \$250

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Exterior Accessible Routes / Entries								
ITEM 57: TRASH RECEPTACLE NEAR SOUTH GATE - BIG DOG PARK	Provide concrete slab for 30"x48" clear floor space directly adjacent trash receptacle.	Trash receptacle is set back too far from paved surface near south gate entry to big dog park.	P	O	1	4	10 SF	\$250
ITEM 58: WATER CONTROL AT DOG WASH	Lower the water pipe so control is no higher than 48" above slab when on or off.	Accessible reach range shall be max. 48" and min. 15" reach for any approach. Existing condition: Water control is 42" above slab when off but over 48" when on.	P	O	1	2	1 EA	\$0
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 59: ACCESSIBLE BENCH BETWEEN ZIP LINE & PLAY AREA - PLAY AREA NEAR TENNIS COURTS	Recommendation: Provide a new bench at edge of accessible surface for adjacent play area, located so that 30"x48" clear floor space is provided on one end with slope of 1:48 (2%) max. in any direction.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: 2 existing benches are located on far side of zip line on concrete slabs with clear floor space on ends measuring 24" wide; no accessible route leads to benches.	P	O	7	2	1 EA	\$750
ITEM 60: ACCESSIBLE BENCH IN TENNIS COURT	Recommendation: Relocate or provide a new bench along new accessible route and provide 30"x48" clear floor space on at least one end with slope of 1:48 (2%) max. in any direction.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Existing bench has clear floor space on ends with slope measuring 5% and route leading to bench has cross slope also measuring 5%.	P	O	7	2	1 EA	\$750

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries									
ITEM 61: BENCH ACROSS FROM PLAY AREA - NEAR SOUTH LOT	Recommendation: Add 30"x48" min. clear floor space at one end of bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches, provide compliant 30"x48" clear floor space to one side of the bench with slope in any direction not to exceed 1:48. Existing condition: Slab at bench is too small to accommodate clear floor space on either end.	P	O	7	2	10	SF	\$250
ITEM 62: BENCH NEAR DOG WASH	Recommendation: Add 30"x48" min. clear floor space at one end of bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches, provide compliant 30"x48" clear floor space to one side of the bench with slope in any direction not to exceed 1:48. Existing condition: Slab at bench is too small to accommodate clear floor space on one end.	P	O	7	2	10	SF	\$250
ITEM 63: BENCHES EAST OF AMPITHEATER	Recommendation: Add 30"x48" min. clear floor space at one end of 2 benches (one under tree and one near path facing shore).	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches, provide compliant 30"x48" clear floor space to one side of the bench with slope in any direction not to exceed 1:48. Existing condition: Slab at benches (if any) is too small to accommodate clear floor space on one end.	P	O	7	2	20	SF	\$500

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Play Areas								
Barrier	5081	The ramp to the play area exceeds 1:12 slope, or there is no accessible route to the play area.	Citation	2010 ADA Stds. 206.2.17				
ITEM 64: SMALL CHILDREN PLAY AREA - PLAY AREA NEAR SOUTH LOT	Provide a curb ramp 44" min. wide (per Code) down into play area with slope not to exceed 8.333% (1:12) and with flares on both sides with slopes not to exceed 10.0% (1:10). If curb is removed or play surface is raised (meeting ASTM F 1951 or ASTM F 1292 requirements for resilience and accessible route) to eliminate the step, the curb ramp would not be required.	The entry into the play area includes a vertical step down approximately 6" and no accessible ramp is provided.	P	O	1	1	EA	\$2,500
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6				
ITEM 65: SMALL CHILDREN AREA - PLAY AREA NEAR SOUTH LOT	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Existing condition: Ground level is loose wood chips.	P	O	1	2	EA	\$0

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Play Areas								
ITEM 66: SMALL CHILDREN AREA - PLAY AREA NEAR TENNIS COURTS	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones. Also, confirm that interface with rubberized surface at adjacent play area is accessible.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Existing condition: Ground level is loose wood chips and interface with rubberized surface at adjacent play area has narrow transition that measures up to 45% in places, which would be a compliant slope for change in level of 1/2" max.	P	O	1	2	1 EA	\$0
ITEM 67: SMALL CHILDREN AREA - PLAY AREA NEAR TENNIS COURTS	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Existing condition: Ground level is loose wood chips.	P	O	1	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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Play Areas									
ITEM 68: ZIP LINE - PLAY AREA NEAR TENNIS COURTS	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones. Also, confirm that interface with rubberized surface at adjacent play area is accessible.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Existing condition: Ground level is loose wood chips and interface with rubberized surface at adjacent play area has narrow transition that measures up to 45% in places, which would be a compliant slope for change in level of 1/2" max.	P	O		1	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Recreation - Boating Facilities								
Barrier	862	The slope at gangway with LESS than 30'-0" total run at a facility with less than 25 total boat slips exceeds 8.33% OR has cross slope that exceeds 2% OR is a ramp that lacks handrails.	Citation	2010 ADA Stds. 1003.2.1				

ITEM 69: ACCESSIBLE BOAT SLIP	Build up wood surface of accessible boat slip as required to ensure compliant running slope. Also, if change in level does not exceed 6", handrails will not be required.	Running slope of designated accessible boat slip measured as steep as 14% for approximately 8'-0" running length. Accessible boat slips shall comply with Chapter 4, including a running slope of 1:12 or (8.33%) max. EXCEPTIONS: 1. Where an existing gangway or series of gangways is replaced or altered, an increase in the length of the gangway shall not be required to comply with 1003.2 unless required by 202.4. 2. Gangways shall not be required to comply with the max. rise specified in 405.6. 5. Where gangways connect to transition plates, landings specified by 405.7 shall not be required. 6. Where gangways and transition plates connect and are required to have handrails, handrail extensions shall not be required. Where handrail extensions are provided on gangways or transition plates, the handrail extensions shall not be required to be parallel with the ground or floor surface. 7. The cross slope specified in 403.3 and 405.3 for gangways, transition plates, and floating piers that are part of accessible routes shall be measured in the static position. 8. Changes in level complying with 303.3 and 303.4 shall be permitted on the surfaces of gangways and boat launch ramps.	P	O	1	2	1	EA	\$2,500
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See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Recreation - Boating Facilities									
ITEM 70: GANGWAY TO FLOATING DOCK	Rotate direction of gangway as required to provide required length for compliant running slope of transition plates. Eliminate changes in level higher than 1/2" (with 1:2 bevel), ensure running slope of gangway is 1:12 (8.33%) max. and provide transition plates with 1:12 (8.33%) max. running slopes.	Existing gangway is approximately 16'-0" long and slope of transition plate measured 22%. Change in level on one end measured 1-1/2" high. Transition plates for gangway less than 30'-0" long shall have compliant slope of 1:12 (8.33%). Cross slope must be less than 1:48 (2%). 1003.2.1 Boat Slips. Accessible routes serving boat slips shall be permitted to use the exceptions in 1003.2.1. EXCEPTIONS: 1. Where an existing gangway or series of gangways is replaced or altered, an increase in the length of the gangway shall not be required to comply with 1003.2 unless required by 202.4.2. Gangways shall not be required to comply with the max. rise specified in 405.6. 3. Where the total length of a gangway or series of gangways serving as part of a required accessible route is 80'-0" min., gangways shall not be required to comply with 405.2. 4. Where facilities contain fewer than 25 boat slips and the total length of the gangway or series of gangways serving as part of a required accessible route is 30'-0" min., gangways shall not be required to comply with 405.2. 5. Where gangways connect to transition plates, landings specified by 405.7 shall not be required. 6. Where gangways and transition plates connect and are required to have handrails, handrail extensions shall not be required. Where handrail extensions are provided on gangways or transition plates, the handrail extensions shall not be required to be parallel with the ground or floor surface. 7. The cross slope specified in 403.3 and 405.3 for gangways, transition plates, and floating piers that are part of accessible routes shall be measured in the static position. 8. Changes in level complying with 303.3 and 303.4 shall be permitted on the surfaces of gangways and boat launch ramps.	P	O	1	1	1	EA	\$1,500

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	675	The stall door swing encroaches on clear floor space within stall, or the door is not located on the wide side of the stall, or the door is more than 4" from side panel.	Citation	2010 ADA Stds. 604.8.1.2				
ITEM 71: RESTROOMS NEAR TENNIS COURTS - ACCESSIBLE STALL DOOR	Revise the front stall partition to relocate door to the wide side of the stalls with 4" max. hinge side panel.	Door to accessible stalls are required to be on the open side of the stall with hinge side of door 4" max. from side of stall. Existing condition: Door hinge side is on opposite side and latch side of door measured 11" from side of accessible stall in restroom.	P	O	1	1	2	EA \$3,280
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 72: MEN'S RESTROOM NEAR TENNIS COURTS - ACCESSIBLE STALL	Relocate the wall-hung toilet to be 16" - 18" from centerline to side wall by revising plumbing. Repair wall finish.	Wall-hung toilet measures 19" from centerline of toilet to side wall.	P	O	1	3	1	EA \$870
Barrier	679	The toilet seat height is not between 17" and 19" high.	Citation	2010 ADA Stds. 604.4, 604.9				
ITEM 73: WOMEN'S RESTROOM NEAR TENNIS COURTS - ACCESSIBLE TOILET STALL	The seat is too high, replace existing toilet seat with a lower profile seat.	Toilet seat height measured 19-1/2". Toilet seat height in accessible stalls shall be between 17" and 19" AFF.	P	O	1	3	1	EA \$210

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.	Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 74: RESTROOMS NEAR TENNIS COURTS - ACCESSIBLE STALLS	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Horizontally, grab bar on rear wall shall extend from toilet centerline 12" min. toward side wall and 24" min. away from side wall. Side wall grab bar shall begin 12" max. from rear wall and extend 54" min. from rear wall. Existing condition: Single piece horizontal grab bars in L-shape are provided with non-compliant horizontal lengths in accessible stall of both restrooms.	P	O	1	3	2 EA	\$2,600
Barrier	683	The toilet paper dispenser is not mounted 7" to 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 75: MEN'S RESTROOM NEAR TENNIS COURTS - ACCESSIBLE TOILET STALL	Relocate the dispenser as required to ensure 1-1/2" min. below bottom edge of new horizontal grab bar.	Top of toilet paper dispenser measured 1" from bottom of horizontal grab bar. Toilet paper dispenser shall be mounted with opening between 7" - 9" in front of front edge of toilet bowl and 19" min. AFF. All surface mounted equipment or dispensers shall be mounted 1-1/2" min. below or 12" min. above nearest edge of horizontal grab bars.	P	O	1	3	1 EA	\$72
ITEM 76: WOMEN'S RESTROOM NEAR TENNIS COURTS - ACCESSIBLE TOILET STALL	Relocate the dispenser.	Opening of toilet paper dispenser measured less than 7" from front of toilet and 20-1/2" AFF. Toilet paper dispenser shall be mounted with opening between 7" - 9" in front of front edge of toilet bowl and 19" min. AFF.	P	O	1	3	1 EA	\$72

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 77: RESTROOMS NEAR TENNIS COURTS	Replace lavatories with an accessible model.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing condition: Lavatory rim measured 34" AFF and knee space below measured only 26" high in Women's restroom. Lavatory rim in Men's restroom measured 34-1/2" AFF and knee space 26-1/2" AFF.	P	O	1	3	2 EA	\$4,680
Barrier	689	The lavatory lacks insulation at water supply and drain pipes.	Citation	2010 ADA Stds. 606.5				
ITEM 78: WOMEN'S RESTROOM NEAR TENNIS COURTS	Insulate pipes.	Lavatory pipes are not insulated.	P	O	1	3	1 EA	\$180
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 79: RESTROOMS NEAR TENNIS COURTS	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Existing condition: Bottom edge of mirror measured 41-1/4" AFF in Women's restroom and 43-1/2" AFF in Men's restroom.	P	O	1	3	2 EA	\$300
Barrier	698	The restroom is substantially inaccessible - lacks overall turning space, clear floor space at fixtures, and/or compliant fixtures and dispensers.	Citation	2010 ADA Stds. 603				
ITEM 80: RESTROOMS NEAR BOILER ROOM & DOCK	Demolish the interior fixture layout and completely renovate the restroom within its current footprint.	Restrooms are substantially non-compliant requiring significant renovation. Cost shown is an allowance, until further design studies are carried out.	P	O	1	3	1 EA	\$35,000

See Survey Legend and ADA Overview Report Section for more important information.

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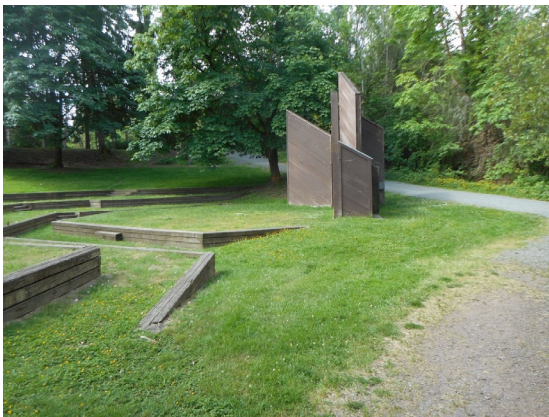
Luther Burbank Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	698	The restroom is substantially inaccessible - lacks overall turning space, clear floor space at fixtures, and/or compliant fixtures and dispensers.	Citation	2010 ADA Stds. 603				
ITEM 81: RESTROOMS NEAR PICNIC AREA C	Demolish the interior fixture layout and completely renovate the restroom within its current footprint.	Restrooms are substantially non-compliant requiring significant renovation. Cost shown is an allowance, until further design studies are carried out.	P	O	1	3	1 EA	\$35,000
Total for Building: Luther Burbank Park								\$256,722

See Survey Legend and ADA Overview Report Section for more important information.



Luther Burbank Park

- Upper Left: Accessible parking signs are mounted too low (and too far from stall). Provide pole mounted signs at head of stalls.
- Upper Right: Amphitheatre lacks an accessible route to seating area and stage.
- Lower Left: There are no accessible seating areas in the Amphitheatre. Wheelchair accessible area next to a companion seat could be accommodated near paths on both sides of stage.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



Luther Burbank Park

Upper Left: Rooftop viewing platform is provided above the restrooms near the tennis courts.

Upper Right: Rooftop platform lacks an accessible route.

Lower Left: Entry into the play area near Picnic Area C includes a step down and no accessible ramp is provided.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2



Luther Burbank Park

- Upper Left: Ground surfaces of all play areas must be compliant and require periodic inspections & maintenance.
- Upper Right: Service counter at Guard station lacks an accessible route and is too high. An accessible portion is required.
- Lower Left: Dog wash area lacks an accessible route, and water control is above accessible reach.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3



Luther Burbank Park

Upper Left: Only low level drinking fountain is provided near old boiler room. Hi-low drinking fountain required.

Upper Right: Drinking fountain with foot rinse and shower lacks a high level drinking fountain.

Lower Left: The hi-low fountain near the tennis courts has a clear floor space with excessive slope that affects the height of the fountain, resulting in a protruding object hazard.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4



Luther Burbank Park

- Upper Left: Restrooms near Picnic Area C are substantially non-accessible.
- Upper Right: Designated accessible stalls are significantly too small, toilets are mounted too far from side wall, dispensers require relocation, grab bars are not compliant in location.
- Lower Left: Door maneuvering space is too narrow and shallow.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.5



Luther Burbank Park

Upper Left: Restrooms near the old boiler room are substantially non-accessible.

Upper Right: Designated accessible stalls are too small, dispensers require relocation, grab bars are not compliant in length and location, mirrors are mounted too high.

Lower Left: Door maneuvering space is too narrow.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.6



Luther Burbank Park

- Upper Left: Bike rack lacks a paved clear floor space at one end.
- Upper Right: Min. 1 bench in each area should have a clear floor space on one end and be on an accessible route.
- Lower Left: BBQ grill and hot coal disposal unit lack an accessible route and paved clear floor space directly adjacent.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.7



Luther Burbank Park

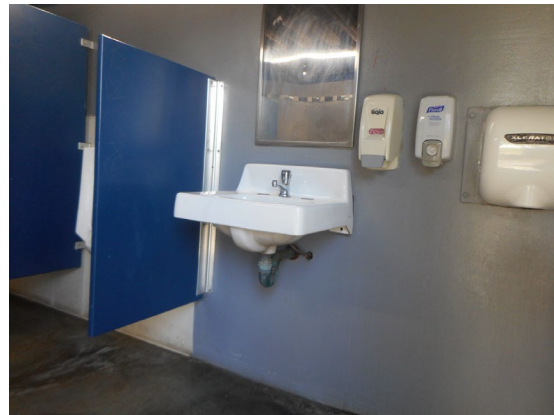
Upper Left: An accessible picnic table in each area requires a paved accessible route and an accessible seat.

Upper Right: Picnic Area B provides 1 table designated as accessible, however support angles encroach on the required knee space clearance and no paved clear floor space is provided.

Lower Left: Door maneuvering space at gates to dog parks are too narrow and lack paving.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.8



Luther Burbank Park

- Upper Left: Grab bars in restrooms near tennis courts are too short. Toilet paper dispenser is too close to grab bar and toilet in Men's restroom is too far from wall.
- Upper Right: Both restrooms near tennis courts have lavatories without compliant knee space clearance and pipes are not insulated.
- Lower Left: Handrails do not extend low enough to prevent a protruding object of more than 4" into accessible route.

Luther Burbank Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.9

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Luther Burbank Park Administration Building & Caretaking Facility

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LOCATION	RECOMMENDATION	COMMENTS	Citation	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements									
Barrier	481	The sales or service counter lacks a 36" long lowered portion of counter that is max. 36" high for a 48" parallel approach or is not 30" long min. with knee space for a forward approach or does not extend the same depth as the sales or service countertop.	2010 ADA Stds. 227.3, 904.4.2, 902.3						
ITEM 1: RECEPTION DESK - FIRST FLOOR	Provide an accessible counter with a 36" AFF countertop height (min. 36" length).	Existing reception desk is 42" AFF.		P	O	1	2	1	EA \$650

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	610	The door with vision panel lacks at least one vision panel mounted at max. 43" high measured to lowest bottom edge.	Citation	2010 ADA Stds. 404.2.11				
ITEM 2: NORTH ENTRY DOOR	No change required if power door operator with backup power is provided.	Existing door has vision panel with bottom edge at 59" AFF.	P	O	1	2	1 EA	\$0
ITEM 3: SOUTH ACCESSIBLE ENTRY	No change is required if door is abandoned as an entry and used for emergency exit only.	Existing door has vision panel with bottom edge at 54" AFF.	P	O	1	2	1 LEAF	\$0
Barrier	611	The single door or single leaf of a double leaf door lacks the min. 32" clear opening width measured between the open door face and door stop.	Citation	2010 ADA Stds. 404.2.3, 404.2.2				
ITEM 4: OFFICE - FIRST FLOOR, NORTH OF RECEPTION	Remove the door / hinges and leave a framed opening (min. 32" clear width).	Existing "Office" has a door with a 30" wide opening.	P	O	1	2	1 EA	\$180
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 5: RESTROOM - FIRST FLOOR	Relocate the door / frame as required after toilet side wall is reconfigured to provide door maneuvering space of 18" min. beyond latch (with side wall grab bar protruding less than 8" permitted encroachment). Latch clearance is not required on push side if door is not equipped with closer.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Doors are allowed to be recessed 8" max. from the face of door to face of wall surface. See additional Dimensions for other approaches in 404.2.4.1. Existing door maneuvering space on the pull side is blocked by the significant protrusion of the toilet side wall grab bar.	P	O	1	2	1 EA	\$1,100

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
ITEM 6: SOUTH ACCESSIBLE ENTRY	Consider abandoning this entry and designate as emergency exit only.	Door maneuvering spaces at latch are required to be min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Existing condition: On exterior - door is recessed 34" and does not provide the 18" width on the pull side (6" exists). On the interior - door has both a closer and a latch, therefore 12" width on the latch / push side is required - 2" exists.	P	O	1	2	1 LEAF	\$0
ITEM 7: SOUTH ACCESSIBLE ENTRY	Add new portion of exterior surface (at door approach).	Ensure door maneuvering spaces are min. 18" at pull side x 60" min. perpendicular on exterior, and 2.08% max. slope. Existing area has up to 5% slope.	P	O	1	2	25 SF	\$1,263
Barrier	615 The face of door is recessed more than 8" deep max. or there is an obstruction within 18" of the latch side of a doorway that projects more than 8" beyond the face of the door, measured perpendicular to the face of the door and maneuvering space for a forward approach is not provided.	Citation 2010 ADA Stds. 404.2.4.3						
ITEM 8: NORTH ENTRY DOOR	Install power assisted door operator with push button and backup power. (Alternative is to abandon door as public entry.)	Existing door is recessed 12" from exterior brick facade; the 18" wide maneuvering space on the (exterior) pull side is not provided due to historic frame profile. Power door requires access to electric power. Without power operator, door maneuvering spaces would be required as follows: min. 18" at the pull side and min. 12" at the push side (if equipped with latch and closer); min. 60" perpendicular to door for forward approach on pull side and 48" perpendicular to door for forward approach on push side.	P	O	2	2	1 LEAF	\$6,250

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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Luther Burbank Park Administration Building & Caretaking Facility

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	616	The door hardware requires pinching, gripping, or twisting to operate.						
			Citation	2010 ADA Stds. 404.2.7				
ITEM 9: INTERIOR DOORS	Replace existing hardware with new accessible lever-type (or U-shaped) interior hardware.	Hardware is required to be mounted 34" min. and 48" max. AFF. Existing interior doors have knob type hardware.	P	O	1	2	8 EA	\$7,040
Barrier	618	The existing swing or sliding door threshold exceeds 3/4" and/or does not have a 1:2 bevel, or threshold measures between 1/4" and 3/4" but lacks a 1:2 beveled transition.						
			Citation	2010 ADA Stds. 404.2.5, 302, 303				
ITEM 10: SOUTH ACCESSIBLE ENTRY	Replace the threshold.	Threshold height shall not exceed 1/2", and have a beveled 1:2 slope. (Exception allows 3/4" with 1:2 bevel at doors in existing buildings or alterations.) E&A recommends replacing to meet current 1/2" max. standard. Existing condition: Threshold measured over 1" high.	P	O	1	2	1 EA	\$300
Barrier	622	The existing door does not have a smooth surface min. 10" from the floor or exterior surface and / or the kick plate installed is not capped.						
			Citation	2010 ADA Stds. 404.2.10				
ITEM 11: NORTH ENTRY DOOR	Remove the hold open device.	Existing door has a hold open device located within the required 10" smooth surface on the push side.	P	O	1	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				
ITEM 12: RECEPTION AREA - FIRST FLOOR	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing fountain is a single unit for low / wheelchair users.	P	O	1	4	1	EA \$8,010

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Interior Accessible Routes									
Barrier	641	The multistory private building with 3 or more floors OR more than 3000 sf per floor OR public building with 2 or more floors lacks an accessible route connecting each floor.	Citation	2010 ADA Stds. 206.2.3					
ITEM 13: GENERAL BUILDING		Explore the possibility of relocating all of the public programs that occur on the lower and second levels to the accessible level of the building. An alternate solution would be to provide a new elevator that will access all three levels of the building. Further design study required (budget \$225,000 for elevator and shaft accessing three levels).		P	O	1	2	1 EA	\$0
		2010 Standards does not require the installation of an elevator in an altered private facility that is less than three stories or private building with less than 3,000 sf per story unless the building is a shopping center, a shopping mall, the professional office of a health care provider, a terminal / depot (or other station used for specified public transportation), or any other type of facility as determined by the Attorney General. Public building must comply unless it is one story with occupant load of 5 or fewer that does not contain public use space. Existing condition: Building is three stories, and only the first floor level has an entry (the south entry) that is on the same level as the remainder of that floor level. The north entry enters into a stair structure with no accessible route to the floors above or below.							
Barrier	652	The surface is not firm, stable, and slip resistant; or the carpet area prohibits easy access due to high pile / thick pad.	Citation	2010 ADA Stds. 302					
ITEM 14: SOUTH ACCESSIBLE ENTRY		Secure movable area rug or mat with double stick tape at all edges.		P	O	1	2	1 EA	\$150
		Existing interior space has loose rubber mats at the approach to the exit door.							

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier 670	The restroom lacks the required 60" diameter (or T-shaped) turning space, or the door swings into the required fixture clearance and 30"x48" is not provided beyond the door swing.		Citation	2010 ADA Stds. 304.4, 603.2.1				
ITEM 15: RESTROOM - SECOND FLOOR	Recommend no change; solution would require building expansion in order to make room fully accessible, which may cause undue burden.	The clear floor space at fixtures, accessible route, and turning space may overlap, but doors may not swing into fixture clear floor space unless there is a 30"x48" clear floor space beyond the door swing. Existing bathroom does not provide a turning space, and door encroaches on fixture clearances.	P	O	2	3	1 EA	\$0
Barrier 677	The coat hook exceeds 48" high for a front or side approach or the shelves are not mounted 40" min. and 48" max. AFF.		Citation	2010 ADA Stds. 603.4, 308				
ITEM 16: RESTROOM - FIRST FLOOR	Provide an additional lower coat hook. Mount at 48" or lower.	Existing door mounted coat hook is mounted at 62" AFF.	P	O	1	3	1 EA	\$150
ITEM 17: RESTROOM - FIRST FLOOR	Lower the shelf or provide another at an accessible location.	Mount shelf at 40" min. - 48" max. Existing shelf / mirror combination unit is 52" AFF.	P	O	1	3	1 EA	\$150
Barrier 678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.		Citation	2010 ADA Stds. 604.2				
ITEM 18: RESTROOM - FIRST FLOOR	Relocate the toilet fixture to measure 16" - 18" from centerline of toilet to side wall using an offset flange.	Note: The toilet may be considered an architectural component of a building for which when altered, must be brought into full compliance with the 2010 Standards. If toilet has less than 60" wide clearance, then modifications will need to be made to comply. Existing condition: Centerline of toilet measures 20" from side wall.	P	O	1	3	1 EA	\$730

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	679	The toilet seat height is not between 17" and 19" high.						
			Citation	2010 ADA Stds. 604.4, 604.9				
ITEM 19: RESTROOM - FIRST FLOOR	Install a lift seat.	Seat shall not be sprung to return to a lifted position. Existing toilet measures 15-1/2" to top of seat.	P	O	1	3	1 EA	\$210
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.						
			Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 20: RESTROOM - FIRST FLOOR	Replace with new grab bars. Install new wall surface at side wall to provide 1-1/2" between grab bar and wall.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" to 2" cross section and non-circular shapes; allows alternate children's use height.]. Existing condition: Both grab bars are not compliant in length. Grab bars are required to provide 1-1/2" space between bar and the wall; wall jogs back 8" at 27" from corner.	P	O	1	3	1 EA	\$2,300
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting, or pinching to operate.						
			Citation	2010 ADA Stds. 604.6				
ITEM 21: RESTROOM - FIRST FLOOR	Reverse controls or provide a retrofit sensor control on the wall mounted toilet.	Flush controls shall comply with reach ranges specified in Section 309. Existing toilet has flush control on the inside / corner side.	P	O	1	3	1 EA	\$810
Barrier	689	The lavatory lacks insulation at water supply and drain pipes.						
			Citation	2010 ADA Stds. 606.5				
ITEM 22: RESTROOM - FIRST FLOOR	Insulate pipes.	Existing lavatory has exposed pipes.	P	O	1	3	1 EA	\$180

See Survey Legend and ADA Overview Report Section for more important information.

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Luther Burbank Park Administration Building & Caretaking Facility

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 23: RESTROOM - FIRST FLOOR	Provide a tall mirror mounted from 35" - 74" AFF.	Wall mounted mirrors are required to be 35" max. and 74" min. to the reflected surface (tall mirrors). Existing mirror / shelf unit is 52" AFF.	P	O	1	3	1 EA	\$710

See Survey Legend and ADA Overview Report Section for more important information.

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Luther Burbank Park Administration Building & Caretaking Facility

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	716	The accessible building entry or restroom sign lacks signage displaying the International Symbol of Accessibility OR the Pictogram is not 6" high min.	Citation	2010 ADA Stds. 703.7.2.1, 216.6, 216.8				
ITEM 24: RESTROOM - FIRST FLOOR	Provide a sign with the International Symbol of Accessibility.	Sign to be mounted 48" high min. measured from finished floor to bottom of the visual characters to 60" max. to the bottom of the visual characters. Existing condition: No compliant signage.	P	O	1	2	1 EA	\$180
Total for Building: Luther Burbank Park Administration Building & Caretaking Facility								\$30,363

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Luther Burbank Park Administration Building

Upper Left: North entry door is recessed 12" from brick façade. To preserve historic doorway, power operator would be required.

Upper Right: Entry door's vision panel is above the max. allowed height of 43" AFF, but permitted for a power door.

Lower Left: Building has 3 stories, with only an interior stairway. An elevator is required to provide an accessible route connecting all levels.

Luther Burbank Park Administration Building

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Luther Burbank Park Administration Building

- Upper Left: South entry is designated as accessible entry, but door is recessed 34" (8" max. allowed) into required door maneuvering space. Consider abandoning entry.
- Upper Right: A hi-low drinking fountain is required.
- Lower Left: Turning space is not provided, and lavatory encroaches on door maneuvering space at second floor restroom.

Luther Burbank Park Administration Building

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Luther Burbank Park Administration Building

- Upper Left: First floor reception desk does not provide an accessible height counter.
- Upper Right: Office door is too narrow. Remove door and provide 32" min. wide framed opening (otherwise door opening needs to be widened).
- Lower Left: Doors have knob type hardware. Lever-type is required for accessibility.

Luther Burbank Park Administration Building

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3

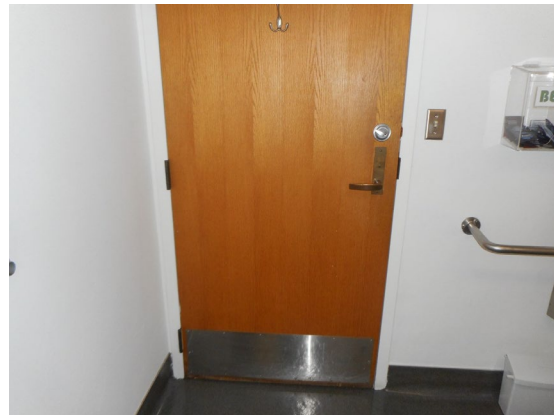


Luther Burbank Park Administration Building

- Upper Left: Restroom signage is non-compliant. The International Symbol of Accessibility is required.
- Upper Right: Grab bar encroaches on door maneuvering space; should be 1-1/2" from the side wall behind. Revised side wall (and door opening) is required. Toilet requires seat height between 17" - 19" AFF and flush control shall be on open side of toilet.
- Lower Left: Pipes below lavatory are not insulated.

Luther Burbank Park Administration Building

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4



Luther Burbank Park Administration Building

- Upper Left: Existing shelf/mirror unit is mounted too high. Shelf to be 40" - 48" AFF. An additional tall mirror is required.
- Upper Right: Coat hook is mounted above the required 48" max. height.

Luther Burbank Park Administration Building

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Main Fire Station #91

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	481	The sales or service counter lacks a 36" long lowered portion of counter that is max. 36" high for a 48" parallel approach or is not 30" long min. with knee space for a forward approach or does not extend the same depth as the sales or service countertop.	Citation	2010 ADA Stds. 227.3, 904.4.2, 902.3				
ITEM 1: COUNTERTOP AT RECEPTION WINDOW	Recommend no change. The counter provided meets the 1991 Standard for sales and service counters.	Existing countertop is 36" AFF, and has clear floor space adjacent, but (due to the curved configuration) clear floor space is not parallel to the countertop. 1991 Standard does not address the parallel approach directly.	P	O	8	2	1	EA \$0

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Main Fire Station #91

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	7380	The standing persons water fountain is a protruding object.	Citation	2010 ADA Stds. 602.7				
ITEM 2: DRINKING FOUNTAINS	Provide a cane detection device less than 27" AFF.	High level drinking fountain is on the open end, near path of travel, with bottom edge at 34-1/2" AFF.	P	O	1	4	1	EA \$530

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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Main Fire Station #91

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Kitchens - Lounges								
Barrier	531	The kitchen sink exceeds 34" high, lacks 30" wide knee space if a range or cooktop is provided, or has inaccessible hardware.	Citation	2010 ADA Stds. 804.4				
ITEM 3: PUBLIC MEETING ROOM	Lower the sink to be 34" max.	Each half of the meeting room has a wet bar with a sink / countertop at 36" AFF. A parallel approach is permitted at wet bars, however the rim of the sink must not exceed 34" AFF.	P	O	1	2	2	EA \$4,200

See Survey Legend and ADA Overview Report Section for more important information.

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Main Fire Station #91

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	698	The restroom is substantially inaccessible - lacks overall turning space, clear floor space at fixtures, and/or compliant fixtures and dispensers.	Citation	2010 ADA Stds. 603				
ITEM 4: PUBLIC RESTROOMS	Demolish the interior fixture layouts of both restrooms and completely renovate within its current footprint.	Restrooms are substantially non-compliant (especially in fixture encroaching on door maneuvering space). Design study is required to determine if two restrooms can be retained or if only a single compliant unisex restroom can be accommodated. Cost shown is an allowance, until further design studies are carried out.	P	O	1	3	1	EA \$35,000
Total for Building: Main Fire Station #91								\$39,730

See Survey Legend and ADA Overview Report Section for more important information.



Main Fire Station #91

- Upper Left: Service counter accommodates clear floor space, but curved configuration prevents a parallel approach.
- Upper Right: Meeting room has a movable partition divider, separating it into 2 rooms. Each of these rooms has a wet bar with a sink at 36" AFF. Sinks are required to be 34" max. AFF.
- Lower Left: See above.

Main Fire Station #91

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Main Fire Station #91

- Upper Left: The high level drinking fountain protrudes into the path of travel, with the bottom surface at 34-1/2" AFF.
- Upper Right: Lavatory is not compliant and encroaches on door maneuvering space. Restrooms require renovation.
- Lower Left: Toilets in both restrooms are too far from the side wall. Grab bars are too short. Seat cover dispenser encroaches on 12" clearance above grab bar and is not accessible.

Main Fire Station #91

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ADA SURVEY RESULTS
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Mercedale Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: PARKING LOT NEAR THRIFT SHOP - ACCESSIBLE PARKING	Mount existing sign displaying the International Symbol of Accessibility on new permanent post at compliant height of 60" min. to bottom edge of sign.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: Compliant sign is provided at one parking space, but mounted on temporary traffic cone at height of 22" above paving.	P	O	1	1	EA	\$290

See Survey Legend and ADA Overview Report Section for more important information.

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Mercedale Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				

ITEM 2: ACCESSIBLE PICNIC TABLES - NORTHEAST PLAZA	Assuming 6 people per metal picnic table and 8 people per faux wood picnic table, replace 3 existing tables (either metal or faux wood) with accessible picnic tables with knee space 30" min. wide, 27" min. high and 17" min. deep on one end of table. Locate tables so that slab for 30"x48" clear floor space at accessible end of table has slope of 2% (1:48).	Existing metal picnic tables have elliptical table top with knee space measuring 16-1/2" deep at deepest point. Existing wood picnic tables have knee space measuring only 7" deep.	P	O	1	2	3	EA	\$7,500
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Mercedale Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	502	The ramp slope exceeds max. 1:12 (8.33%), or the ramp is less than 36" wide measured between the handrails.	Citation	2010 ADA Stds. 405.2, 405.5				
ITEM 3: PLAY AREA EAST HALF	Remove existing curb ramp and provide new compliant ramp with continuous handrails both sides with 12" min. extension at top and bottom of ramp.	Max. running slope is 1:12 (8.33%). Max. cross slope is 1:48 (2%). A slope of 1:20 (5%) is not considered a ramp. Existing condition: Change in level is greater than 6" (too high for a curb ramp) and curb ramp is provided with slope measuring 8.5% and flare with slope measuring 21%.	P	O	1	1	10	LF \$3,500
ITEM 4: PLAY AREA WEST HALF	Remove existing ramp and provide new compliant ramp with level landing and continuous handrails both sides with 12" min. extension at top and bottom of ramp.	Max. running slope is 1:12 (8.33%). Max. cross slope is 1:48 (2%). A slope of 1:20 (5%) is not considered a ramp. Existing condition: Running slope of ramp sections measured 6% and 11% and landing slope measured as steep as 3.4%.	P	O	1	1	20	LF \$7,000
Barrier	509	The accessible route has a change in level between 1/4" and 1/2" without a 1:2 bevel or more than 1/2" high without a compliant ramp.	Citation	2010 ADA Stds. 303.4, 405, 406				
ITEM 5: ENTRY TO FITNESS STATIONS	Cut through wooden borders at entry side of fitness stations to provide accessible route 44" min. wide (per Code).	A 1/4" vertical level change is permissible. A 1/4" - 1/2" change must have a beveled slope. A change greater than 1/2" requires compliant ramp. Existing condition: Fitness stations (total 5) have wooden borders; although wooden border is lower on entry side, it is still too high for accessible route.	P	O	1	2	5	EA \$2,500
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 6: SCULPTURE	Provide 44" min. wide (per Code) asphalt paving to the side of sculpture where plaque can be read. Ensure running slope does not exceed 5% (1:20).	Sculpture named "Duet" has dedication plaque but no accessible route to it.	P	O	1	2	9	LF \$318

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Mercedale Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Exterior Accessible Routes / Entries									
Barrier	522	Where an accessible bench is required to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903					
ITEM 7: BENCH BETWEEN PUSH-UP & POWER STEP FITNESS STATIONS	Recommendation: Replace slab at bench and provide clear floor space on one end of the bench with maximum slope of 2% (1:48) in any direction.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches, provide compliant 30"x48" clear floor space to one side of the bench with slope in any direction not to exceed 1:48. Existing condition: No clear floor space is provided on ends of bench and slope of slab measured 11%.	P	O	7	2	50	SF \$1,250	
ITEM 8: BENCH IN NATIVE PLANT GARDEN	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of one bench plus accessible route from adjacent paved walkway (assumed 5'-0" long).	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: 2 benches at perimeter of sand play area, but no slab is provided at end of benches, nor is accessible route provided.	P	O	7	2	28	SF \$700	
ITEM 9: BENCH NEAR PUSH-UP FITNESS STATION	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of one bench.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: Bench near push-up fitness station is on slab too narrow to provide clear floor space.	P	O	7	2	13	SF \$325	
ITEM 10: BENCH NEAR SKATE PARK	Recommendation: Alter the existing area adjacent to at least one end of the bench to provide level clear floor space.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench with slope in any direction not to exceed 1:48. Existing condition: Slope of clear floor space on both ends of bench measured 3.5%.	P	O	7	2	12	SF \$300	

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
ITEM 11: BENCH NEAR STATIC STRETCH FITNESS STATION	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of one bench.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: Bench near static stretch fitness station is on slab too narrow to provide clear floor space.	P	O	7	2	13	SF \$325

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Mercerdale Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Play Areas									
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6					
ITEM 12: FITNESS STATIONS (TOTAL 5)	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	5 EA	\$0	
ITEM 13: PLAY AREAS (2 SEPARATE SECTIONS)	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	1 EA	\$0	
Total for Building: Mercerdale Park								\$24,008	

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

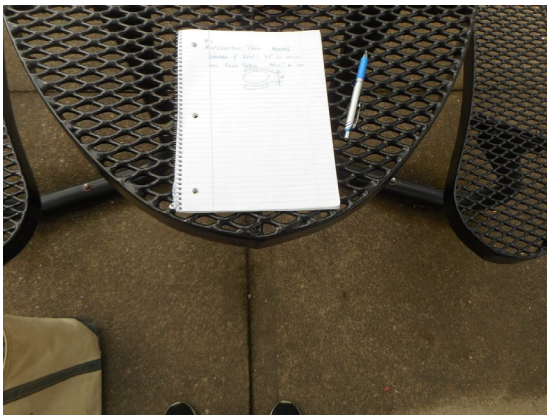


Mercerdale Park

- Upper Left: Accessible parking sign is required to be 60" min. above paving to bottom of sign.
- Upper Right: Ground surfaces of fitness areas must be compliant and require periodic inspections & maintenance
- Lower Left: Ground surfaces of play area must be compliant and require periodic inspections & maintenance

Mercerdale Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



Mercerdale Park

Upper Left: Picnic table does not provide an accessible seat with knee & toe space.

Upper Right: Benches require a clear floor space on one end.

Lower Left: Picnic table does not provide an accessible seat with knee & toe space.

Mercerdale Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2



Mercerdale Park

- Upper Left: Ramp and top landing have excessive slopes and lacks compliant handrails on both sides.
- Upper Right: Ramp has excessive slope and lacks handrails on both sides.
- Lower Left: Fitness stations lack an accessible route thru wooden borders.

Mercerdale Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3



Mercerdale Park

- Upper Left: Sculpture lacks a clear floor space and accessible route to the information plaque.
- Upper Right: Adjacent clear floor space at either end of bench has excessive slope.
- Lower Left: Bench requires a clear floor space at one end.

Mercerdale Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.4

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Miller Landing

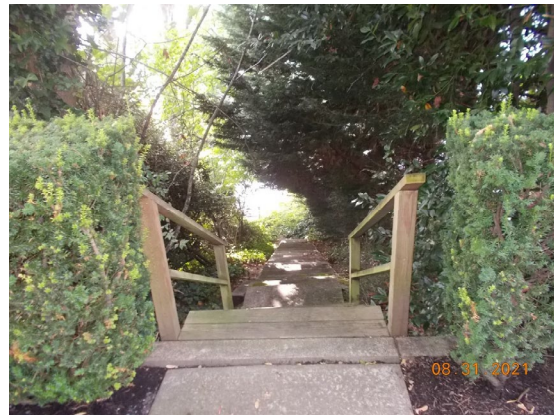
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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	30244	There is no directional signage providing direction to accessible interior spaces, exterior spaces, facilities and/or elements.	Citation	2010 ADA Stds. 216.6, 703.5				
ITEM 1: VEHICULAR APPROACH TO MILLER LANDING	Provide new pole mounted directional sign along vehicular access route indicating that landing is not accessible.	Change in level is substantial and property is narrow. May cause an "undue burden" to provide accessible route to water's edge. It is a risk management decision to allow access to able bodied persons but not wheelchair users or other disabilities that may have problems traversing the terrain.	P	O	1	2	1	EA \$710
Total for Building: Miller Landing								\$710

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Miller Landing

Upper Left: This landing is not accessible, as change in level is substantial and property is narrow. Provide signage indicating that landing is not accessible.

Upper Right: Top of stair down hill.

Lower Left: Steep, unpaved path from stair down to water's edge.

Miller Landing

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Pioneer Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLE		Provide additional table with top surface no more than 34" AFF, and with knee and toe space below one end that is 27" min. high, 30" min. wide, 17" min. deep.						
		Existing picnic table has knee and toe space 7-1/2" deep. Knee and toe space is required to be 30" min. wide, 27" min. high and 17" min. deep.	P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Pioneer Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 2: ACCESSIBLE ROUTE TO PICNIC TABLE	Provide 44" wide (per Code) asphalt paving from nearest trail to new accessible picnic table. Ensure running slope does not exceed 5% (1:12).	No accessible route is provided to picnic tables or other elements.	P	O	1	2	12 LF	\$424
ITEM 3: ACCESSIBLE ROUTE TO PORTABLE TOILET	Provide 44" wide (per Code) asphalt paving from nearest trail to new accessible picnic table. Ensure running slope does not exceed 5% (1:12).	No accessible route is provided to portable toilet.	P	O	1	2	20 LF	\$706
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 4: DOG WASTE RECEPTACLE	Provide new concrete paving for clear floor space adjacent dog waste receptacle with a 2% max. slope (1:48) adjacent existing trail.	Clear floor space adjacent opening of dog waste receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	10 SF	\$250
ITEM 5: SIGN BENCH RECEPTACLES - SOUTHEAST CORNER OF NW PARCEL	Provide concrete slab for 30"x48" clear floor space directly adjacent information sign, 1 log bench, trash receptacle, and dog waste dispenser.	At southeast corner of NW parcel of park, the information sign, log benches, trash receptacle, and dog waste dispenser have no clear floor space adjacent.	P	O	1	4	40 SF	\$1,000
ITEM 6: TRASH RECEPTACLE	Provide new concrete paving for clear floor space adjacent trash receptacle with a 2% max. slope (1:48) adjacent existing trail.	Clear floor space adjacent opening of trash receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	10 SF	\$250

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Pioneer Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 7: BENCH NEAR PICNIC TABLE	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench and 44" wide (per Code) paved walkway to nearest trail.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is surrounded by gravel and no clear floor space is provided.	P	O	7	2	50	SF \$1,250
Total for Building: Pioneer Park								\$6,380

See Survey Legend and ADA Overview Report Section for more important information.



Pioneer Park

- Upper Left: Accessible routes are required to accessible picnic tables and benches.
- Upper Right: Picnic tables do not provide an accessible seat and clear floor space.
- Lower Left: Clear floor space and accessible route is required at min. 5% of dog waste and trash receptacles.

Pioneer Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Proctor Landing

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET			
Accessible Parking											
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5							
ITEM 1: LANDING ENTRY	It is assumed that new van accessible parking space will be provided. Install new signs for van accessible space.		Sign displaying the International Symbol of Accessibility with van sign panel should be 60" min. above grade, measured to bottom of signs.		P	O	1	1	1	EA	\$440

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Proctor Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Exterior Accessible Routes / Entries									
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.							
			Citation	2010 ADA Stds. 206.2.2					
ITEM 2: ENTRY TO PIER	Provide 44" min. wide (per Code) concrete compliant ramp with complying handrails and landings. Further design study and civil engineering required.	Existing condition: 9" step down to 6'-0" wide pier.	P	O	1	2	10	LF \$576	
Total for Building: Proctor Landing								\$1,016	

See Survey Legend and ADA Overview Report Section for more important information.



Proctor Landing

Upper Left: 12 parking spaces; no accessible parking is provided.

Upper Right: Pier.

Lower Left: 9" step down to pier approach. An accessible route is required.

Proctor Landing

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Roanoke Landing

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat and 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 1: ACCESSIBLE BENCH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Adjacent to each side of the bench is loose gravel and no clear floor space is provided.	P	O	7	2	10	SF \$250
Total for Building: Roanoke Landing								\$250

See Survey Legend and ADA Overview Report Section for more important information.



Roanoke Landing

- Upper Left: Roanoke Landing. I
- Upper Right: The bench requires an adjacent clear floor space (concrete pad) at one end. Loose gravel is adjacent to each side of the bench.

Roanoke Landing

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Roanoke Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLE NEAR PLAY AREA		Provide accessible picnic table (in addition to existing table) outside framed wooden tie border directly adjacent new accessible route to play area with top surface 34" max. AFF, and with knee and toe space on one end of table 30" min. wide, 27" min. high, and 17" min. deep.		P	O	1	2	1 EA \$2,500
		Free standing picnic table provided within wooden tie border and surrounded by wood chips measured 30" to top surface with knee and toe space below (on end of table) 28-1/2" high and 15" deep.						
ITEM 2: ACCESSIBLE PICNIC TABLE NEAR TENNIS COURT		Provide accessible picnic table (in addition to existing table) directly adjacent new accessible route to tennis court with top surface 34" max. AFF, and with knee and toe space on one end of table 30" min. wide, 27" min. high, and 17" min. deep.		P	O	1	2	1 EA \$2,500
		Existing picnic table on concrete slab measured 30" to top surface with knee and toe space below (on end of table) 29" high and 15" deep.						
Barrier	489	The bench is not 42" long, 20" - 24" deep, or has a 17" - 19" high seat and does not have a 18" high (back unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 3: BENCH EAST OF TENNIS COURT		Provide 30"x48" clear floor space adjacent one end of bench along new paved accessible route to tennis court.		P	O	1	2	10 SF \$250
		Recommendation: Existing bench on west side of play area has slab too small to provide clear floor space adjacent. Although benches are not scoped in ADAS, E&A recommends providing a 30"x48" clear floor adjacent to one end of bench designated as accessible.						

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Roanoke Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
ITEM 4: NEW BENCH - EAST SIDE OF PLAY AREA	Provide a new bench on east side of play area with 30"x48" clear floor space adjacent one end of bench. Locate along new paved accessible route to play areas.	Recommendation: Existing bench on west side of play area has no accessible route or clear floor space adjacent. Although benches are not scoped in ADAS, E&A recommends providing a 30"x48" clear floor adjacent to one end of bench designated as accessible.	P	O	1	2	10 SF	\$250
ITEM 5: TRASH RECEPTACLE - WEST SIDE OF PLAY AREA	Provide new 30"x48" level clear floor space adjacent opening side of trash receptacle. Locate along new paved accessible route to play areas.	Existing trash receptacle has no accessible route or clear floor space adjacent.	P	O	1	2	10 SF	\$250

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Roanoke Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	751	There are not a min. of 2 water fountains provided OR there is not a water fountain that meets the requirements for both wheelchair accessibility and for standing persons (hi-low).	Citation	2010 ADA Stds. 211.2				

ITEM 6: EAST OF TENNIS COURT	Replace the fountain with a hi-low model.	Where provided, min. 2 water fountains are required. 1 is required to meet 602.1 - 602.6 for clear floor space, height, operable parts, and water flow, and 1 is required to meet 602.7 which is height for standing persons. If a water fountain is provided that meets both requirements, it may be substituted for 2 fountains. Spout outlets shall be 36" max. AFF or ground. Drinking fountains for standing persons: Spout outlets of drinking fountains for standing persons shall be 38" min. and 43" max. AFF. Existing condition: Only low level drinking fountain is provided.	P	O	1	4	1	EA	\$4,400
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See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Roanoke Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Exterior Accessible Routes / Entries									
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2					
ITEM 7: ACCESSIBLE ROUTE TO ACCESSIBLE PICNIC TABLE - EAST SIDE OF PLAY AREA	Provide clear floor space at one end of new accessible picnic table and 44" wide (per Code) asphalt paving to the nearest accessible route (assumed length 10'-0").	No accessible route is provided to picnic table or other elements.	P	O	1	2	14	LF \$494	
ITEM 8: ACCESSIBLE ROUTE TO PLAY AREAS	Provide 44" min. wide (per Code) asphalt paving from parking area to openings in 2 wooden tie frame around play areas.	No accessible routes are provided to enclosed play areas.	P	O	1	2	62	LF \$2,190	
ITEM 9: CLEAR FLOOR SPACE AND ACCESSIBLE ROUTE TO DRINKING FOUNTAINS	Provide 30" x 48" min. clear floor space at low-level drinking fountain and 44" wide (per Code) asphalt paving to the nearest accessible route (assumed length 10'-0").	No clear floor space or accessible route is provided to drinking fountain.	P	O	1	2	14	LF \$494	

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Roanoke Park

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Play Areas									
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6					
ITEM 10: PLAY AREA	Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).	P	O	1	2	1	EA \$0	
Total for Building: Roanoke Park								\$13,329	

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Roanoke Park

- Upper Left: Play area requires compliant ground surfaces, which must be periodically inspected and maintained
- Upper Right: Picnic table does not provide an accessible seat and clear floor space.
- Lower Left: Picnic table does not provide an accessible seat and clear floor space.

Roanoke Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



Roanoke Park

Upper Left: Low level only fountain is provided. Drinking fountain requires a hi-low model for both wheelchair users and standing persons.

Upper Right: Clear floor space and accessible route is required to bench and picnic tables.

Lower Left: Clear floor space and accessible route is required to drinking fountain.

Roanoke Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Rotary Park

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				

ITEM 1: ACCESSIBLE PARKING	Assuming new paving for accessible space and access aisle (not included in this report), relocate one sign and add new van sign panel to existing sign.	Existing condition: roadside gravel shoulder has space designated for accessible parking between 2 existing signs. This area is not paved, has a 2" level change at edge of asphalt road, and no access aisle. Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Note: Where a total of four or fewer parking spaces, including accessible parking are provided on site, signs not required.	P	O	1	1	1	EA	\$92
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See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Rotary Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 2: ACCESSIBLE PICNIC TABLE		Provide new table with top no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space.						
		Existing condition provides 1 picnic table which does not provide an accessible clear floor space for a forward approach.	P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Rotary Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903				
ITEM 3: ACCESSIBLE BENCH		Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of one of the benches.						
		Although not required under 2010 ADA scoping, E&A recommends for at least 5% of benches provide compliant 30"x48" clear floor space to one side of the bench. Existing condition: Benches are provided, however no adjacent clear floor space is provided.	P	O	7	2	10	SF \$250

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Rotary Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Play Areas								
Barrier	5081	The ramp to the play area exceeds 1:12 slope, or 1:48 cross slope or lacks edge protection, or there is no accessible route to the play area.	Citation	2010 ADA Stds. 206.2.17				
ITEM 4: PLAY AREA - ROCK	Install a ramp with compliant slope and landings top and bottom.	Existing condition: no ramp is provided. Step down to play area.	P	O	1	1	10	LF \$3,500
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6				
ITEM 5: PLAY AREA - ROCK	Demolish and resurface the ground surface with one that complies with ASTM F 1951 and ASTM F 1292 if in a ground level use zone.	1008.2.6.1 Accessibility. Ground surfaces shall comply with ASTM F 1951 (incorporated by reference, see "Referenced Standards" in Chapter 1). Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. 1008.2.6.2 Use Zones. Ground surfaces located within use zones (area directly adjacent to and beneath the structure) shall comply with ASTM F 1292 (1999 edition or 2004 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Existing condition: Play area with the climbing rock is surrounded by lava rock.	P	O	1	2	150	SF \$1,890
Total for Building: Rotary Park								\$8,232

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Rotary Park

- Upper Left: Accessible parking space is not paved, and has no access aisle.
- Upper Right: There is a 2" level change from accessible parking to adjacent path.
- Lower Left: Picnic table is required to provide an accessible seat. An accessible route is required to table.

Rotary Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1



Rotary Park

- Upper Left: Benches do not have a paved clear floor space on one end.
- Upper Right: Play area has a step, and requires an accessible ramp.
- Lower Left: Play area has lava rock for a ground surface. Ground surface must be one that complies with ASTM F 1951.

Rotary Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Secret Park

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLE		Provide accessible picnic table (in addition to existing table) with top no more than 34" AFF, and with knee and toe space on one end of table 30" min. wide, 27" min. high, and 17" min. deep.	Free standing picnic table provided in the lawn, measured 27-1/2" to top surface with knee and toe space below (on end of table) 26" high and 8-1/2" deep.	P	O	1	2	1 EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Secret Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 2: ACCESSIBLE PICNIC TABLE	Provide concrete paving at clear floor space under accessible picnic table (slope not to exceed 2.08%).	Locate directly adjacent accessible route to play area.	P	O	1	2	15 SF	\$375
ITEM 3: ACCESSIBLE ROUTE TO PLAY AREA	Provide 44" wide (per Code) asphalt paving from roadway to the play area.	No paved accessible route is provided to play area.	P	O	1	2	13 LF	\$459
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 4: TRASH RECEPTACLE	Provide new concrete paving for clear floor space adjacent trash receptacle with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from entry to play area.	Clear floor space adjacent opening of trash receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	16 LF	\$565

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Play Areas								
Barrier	5081	The ramp to the play area exceeds 1:12 slope, or there is no accessible route to the play area.	Citation	2010 ADA Stds. 206.2.17				
ITEM 5: PLAY AREA		Provide a curb ramp 44" min. wide (per Code) down into play area with slope not to exceed 8.333% (1:12) and with flares on both sides with slopes not to exceed 10.0% (1:10). If curb is removed or play surface is raised (meeting ASTM F 1951 or ASTM F 1292 requirements for resilience and accessible route) to eliminate the step, the curb ramp would not be required.		P	O	1	1	EA \$2,500
Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.	Citation	2010 ADA Stds. 1008.2.6				
ITEM 6: PLAY AREA		Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.		P	O	1	2	EA \$0
Total for Building: Secret Park								\$6,399

See Survey Legend and ADA Overview Report Section for more important information.

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Secret Park

- Upper Left: Play area requires compliant ground surfaces, which must be periodically inspected and maintained.
- Upper Right: Play area requires an accessible route and a ramp down to play area.
- Lower Left: Picnic table does not provide an accessible seat and clear floor space. An accessible route is required to trash can, picnic table, and play area.

Secret Park

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

ADA SURVEY RESULTS
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Slater Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: PARKING LOT - ACCESSIBLE PARKING	Provide new sign posts to raise existing signs to accessible height.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Note: Where a total of four or fewer parking spaces, including accessible parking are provided on site, signs not required. Existing condition: Sign is provided with bottom of sign 29" above ground.	P	O	1	1	1	EA \$290

See Survey Legend and ADA Overview Report Section for more important information.

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Slater Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 2: ACCESSIBLE PICNIC TABLE		Replace accessible picnic table with type that is embedded (or recessed) in paving so that 30"x48" clear floor space surface is nominally level (slope of 2% max. in any direction) without bolts or level change encroaching into toe space. An alternative solution might be to alter base plate so that it is recessed in a concrete slab.						
		Accessible picnic table is mounted on steel plate that presents a change in level from paving (plus bolts) encroaching into toe space under picnic table. Change in level is not permitted within 30"x48" clear floor space at accessible seating.	P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

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Slater Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET	
Exterior Accessible Routes / Entries									
Barrier	522	Where an accessible bench is to be provided, the bench is not 42" long, 20" - 24" deep, with a 17" - 19" high seat an 18" high back (unless affixed to a wall) OR the bench lacks a 30"x48" clear floor adjacent to one end of the bench.	Citation	2010 ADA Stds. 903					
ITEM 3: ACCESSIBLE BENCH NEAR BEACH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench and 44" wide (per Code) paved walkway from existing trail.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is located in lawn, and no clear floor space is provided.	P	O	7	2	45	LF \$1,589	
ITEM 4: BENCH NEAR SLOPING PATH	Recommendation: Provide level clear floor space (concrete pad) adjacent to one end of the bench.	Although not required under 2010 ADA scoping, E&A recommends at least 5% of benches provide a compliant 30"x48" clear floor space to one side of the bench. Existing condition: bench is along path but has landscaping on both ends, and no clear floor space is provided.	P	O	7	2	10	SF \$250	
Total for Building: Slater Park								\$4,629	

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



Slater Park

- Upper Left: Accessible parking sign is too low and should be raised to 60" min. AFF.
- Upper Right: Picnic table does not provide an accessible seat and clear floor space.
- Lower Left: Benches in various areas of the park require a clear floor space on one end and be on an accessible route.

Slater Park

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

South Fire Station #92

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: ACCESSIBLE PARKING STALL	Remount / raise existing stall signage.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: Sign is mounted with bottom at 57" above paving.	P	O	1	1	EA	\$72

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

South Fire Station #92

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	612 The door lacks the required maneuvering space, or the maneuvering space is not level.		Citation	2010 ADA Stds. 404.2.4				
ITEM 2: ALL-GENDER RESTROOM	Reverse the swing direction of the door, ensuring the bench on the exterior side does not encroach on the required door maneuvering clearance. Alternately (with door in the present location and swing), install a lavatory that does not encroach on the door maneuvering clearance	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Existing condition: lavatory encroaches on door maneuvering space required min. depth of 60" (measured perpendicular to the door and min. 18" from the latch side of the door).	P	O	1	2	1	EA \$810

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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South Fire Station #92

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 3: AED CABINET - BUILDING ENTRY	Lower cabinet so that controls are at 48" max. AFF and bottom of object protruding more than 4" is at 27" max. AFF.	Existing condition: latch to open cabinet is 57" AFF. 48" max. is required for forward or side approach. Owner/maintenance item.	P	O	1	2	1	EA \$0

See Survey Legend and ADA Overview Report Section for more important information.

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South Fire Station #92

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	671	The accessible toilet stall lacks the min. required dimensions, or the accessible water closet lacks the min. required 60" wide clear floor space.	Citation	2010 ADA Stds. 604, 213				
ITEM 4: ALL-GENDER RESTROOM	Revise lavatory depth / location as required. Ensure door maneuvering clearance is not compromised in new lavatory location.	2010 Standards requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: lavatory encroaches on this clearance. Cost included in Barrier 687.	P	O	1	3	1 EA	\$0
Barrier	678	The toilet is not 16" - 18" dimension from centerline of toilet to side wall.	Citation	2010 ADA Stds. 604.2				
ITEM 5: ALL-GENDER RESTROOM	Revise toilet to be 18" max. from the side wall to the toilet centerline.	Existing condition: toilet installation is skewed - 17-1/2" from side wall to toilet rear area and 18-1/2" at toilet front. Owner/maintenance item.	P	O	1	3	1 EA	\$0
Barrier	681	The existing grab bars are non-compliant in size, configuration, or mounting height.	Citation	2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9				
ITEM 6: ALL-GENDER RESTROOM	Remount the existing grab bars.	Grab bars should be 1-1/4"- 2" in diameter, 33" to 36" AFF, with 1-1/2" min. between the wall and the grab bar. 2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side. Existing condition: grab bars are mounted at 36-3/4" to 37" AFF to the top.	P	O	1	3	1 EA	\$410

See Survey Legend and ADA Overview Report Section for more important information.

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South Fire Station #92

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms									
Barrier	687	The lavatory rim exceeds 34" high measured to the rim or countertop, whichever is higher.	Citation	2010 ADA Stds. 606.3					
ITEM 7: ALL-GENDER RESTROOM	Replace lavatory with an accessible more shallow (<18" - verify) model to provide the toilet clearance of 56" min. from toilet back wall. Relocate to provide required 60" deep door maneuvering space unless shallow model clears the 18" pull side for a 60" depth. Verify.	Existing condition: top of sink is mounted at 34-1/2" AFF.	P	O	1	3	1	EA	\$2,340
Barrier	689	The lavatory lacks insulation at water supply and drain pipes.	Citation	2010 ADA Stds. 606.5					
ITEM 8: ALL-GENDER RESTROOM	Provide pipe sleeve or insulation under lavatory to prevent knee impact with pipes.	Pipes are not insulated or isolated from contact.	P	O	1	3	1	EA	\$180
Total for Building: South Fire Station #92									\$3,812

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC



South Fire Station #92

- Upper Left: Accessible parking sign is mounted too low.
- Upper Right: AED cabinet is mounted too high and is a protruding object.
- Lower Left: Bench does not have an accessible clear floor space at one end.

South Fire Station #92

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South Fire Station #92

- Upper Left: Toilet is installed at a skewed angle, and located too far from side wall. Grab bars are mounted too high.
- Upper Right: Lavatory encroaches on toilet clearance and door maneuvering space. Also, lavatory rim is too high.

South Fire Station #92

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET	
Assembly Areas - Indoor / Outdoor										
Barrier	563	The assembly area lacks the minimum quantity of wheelchair seating areas with adjoining companion seats.	Citation	2010 ADA Stds. 221.2.1						
ITEM 1: NORTHEAST BALLFIELD	Move both sets of bleachers away from the fencing to provide min. 5'-8" clearance. Costs are for 4 signs, not for moving the bleachers or wood borders.	Each set of existing bleachers provides seating for approximately 40 people. 2 wheelchair spaces are required per bleacher set, one at each end of the bleachers, next to a companion seated on the lowest bleacher row. Due to the proximity of the bleachers to the ballfield fencing, bleachers need to move back, 68" min. away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	4	EA	\$204	
ITEM 2: NORTHWEST BALLFIELD	Move both sets of bleachers away from the fencing to provide min. 5'-8" clearance. The northeast set of bleachers also must move to the north approx. 10" to provide a 36" wide line of sight for the wheelchair seat at the south end (due to the proximity of the non-viewable portion of the ballfield fencing behind home plate). Costs are for 4 signs, not for moving the bleachers or wood borders.	Each set of existing bleachers provides seating for approximately 40 people. 2 wheelchair spaces are required per bleacher set, one at each end of the bleachers - next to a companion seated on the lowest bleacher row. Due to the proximity of the bleachers to the ballfield fencing, bleachers need to move back 68" min. away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	4	EA	\$204	

See Survey Legend and ADA Overview Report Section for more important information.

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South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Assembly Areas - Indoor / Outdoor								
ITEM 3: SOUTHWEST BALLFIELD	Move both sets of bleachers away from the fencing to provide min. 5'-8" clearance. Costs are for 4 signs, not for moving the bleachers or wood borders.	Each set of existing bleachers provides seating for approximately 40 people. 2 wheelchair spaces are required per bleacher set, one at each end of the bleachers - next to a companion seated on the lowest bleacher row. Due to the proximity of the bleachers to the ballfield fencing, bleachers need to move back 68" min. away from the ballfield fencing, to provide an accessible route. Quantity required: For (4 to 25) fixed seats = 1 space; (26 to 50) = 2 spaces; (51 to 150) = 4 spaces; (151 to 300) = 5 spaces; (301 to 500) = 6 spaces; (501 to 5000) = 6 plus 1 for each 150 of fraction thereof between 501 through 5000 spaces; (5001 and over) = 36 plus 1 for each 200 or fraction thereof over 5000 spaces.	P	O	1	2	4 EA	\$204

See Survey Legend and ADA Overview Report Section for more important information.

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South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	622	The existing door does not have a smooth surface min. 10" from the floor or exterior surface and / or the kick plate installed is not capped.	Citation	2010 ADA Stds. 404.2.10				
ITEM 4: MEN'S RESTROOM	Recommend no change, as doors pre-date the 2010 ADAS and the 1994 ADAAG did not include this requirement. When doors are replaced or otherwise altered, however, they will need to be brought into compliance with ADAS	Existing entry door has hold-open device located in the bottom 10" surface of the push side. Note: new construction doors are required to provide a smooth surface 10" kick plate.	P	O	8	1	1 LEAF	\$0
ITEM 5: WOMEN'S RESTROOM	Recommend no change, as doors pre-date the 2010 ADAS and the 1994 ADAAG did not include this requirement. When doors are replaced or otherwise altered, however, they will need to be brought into compliance with ADAS	Existing entry door has hold-open device located in the bottom 10" surface of the push side. Note: new construction doors are required to provide a smooth surface 10" kick plate.	P	O	8	1	1 LEAF	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Drinking Fountains								
Barrier	754	The drinking fountain lacks a 30"x48" clear floor space for a front approach OR the clear floor space slope exceeds 2% in all directions.	Citation	2010 ADA Stds. 602.2				
ITEM 6: DRINKING FOUNTAIN NEAR RESTROOMS	Relocate and/or remove hose bib to provide min. 30"x48" clear floor space at existing fountain.	A hose bib encroaches into knee space under low level drinking fountain.	P	O	1	4	1	EA \$3,000

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 7: ACCESSIBLE ROUTE TO BATTING CAGE	Provide 44" wide (per Code) asphalt paving from roadway to the batting cage.	No paved accessible route is provided to batting cage building and batting practice cages.	P	O	1	2	100 LF	\$3,532
ITEM 8: ACCESSIBLE ROUTE TO PICNIC TABLE - ADJACENT TO THE PLAY AREA	Provide 44" wide (per Code) asphalt paving from roadway to the picnic table.	No paved accessible route is provided to picnic table.	P	O	1	2	30 LF	\$1,060
ITEM 9: ACCESSIBLE ROUTE TO PLAY AREA	Provide 44" wide (per Code) asphalt paving from roadway to the play area.	No paved accessible route is provided to play area.	P	O	1	2	30 LF	\$1,060
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 10: BBQ GRILL - ADJACENT TO PLAY AREA	Relocate the grill and provide new concrete paving for clear floor space adjacent to the grill with a 2% max. cross slope (1:48) and 44" wide (per Code).	The existing paved area below the picnic table and BBQ grill does not provide a 44" wide route and clear floor space in front of the grill.	P	O	1	4	4 LF	\$141
ITEM 11: BENCH - ADJACENT TO PLAY AREA	Provide new concrete paving for clear floor space adjacent to the bench with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from asphalt drove to bench.	The existing paved clear floor space adjacent to the bench is not 30" wide.	P	O	7	4	16 LF	\$565

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
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South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
ITEM 12: TRASH RECEPTACLES - ADJACENT TO PLAY AREA	Provide new concrete paving for clear floor space adjacent trash receptacle with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from entry to play area.	Clear floor space adjacent to the opening of trash receptacles is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	16 LF	\$565

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Interior Accessible Routes								
Barrier	646	The accessible route has cross slopes that exceed max. 2% (1:48).	Citation	2010 ADA Stds. 403.3				
ITEM 13: MEN'S RESTROOM	Apply a topping coat on the concrete slab to level it.	Slope must be no more that 1:48 (2%). Existing floor slopes 4% to drain.	P	O	1	2	25 SF	\$131
ITEM 14: WOMEN'S RESTROOM	Apply a topping coat on the concrete slab to level it.	Slope must be no more that 1:48 (2%). Existing floor slopes 4% to drain.	P	O	1	2	25 SF	\$131

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
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Play Areas

Barrier	5081	The ramp to the play area exceeds 1:12 slope, or there is no accessible route to the play area.						
			Citation	2010 ADA Stds. 206.2.17				

ITEM 15: PLAY AREA		Provide a curb ramp 44" min. wide (per Code) down into play area with slope not to exceed 8.333% (1:12) and with flares on both sides with slopes not to exceed 10.0% (1:10). If curb is removed or play surface is raised (meeting ASTM F 1951 or ASTM F 1292 requirements for resilience and accessible route) to eliminate the step, the curb ramp would not be required.						
				P	O	1	1	EA
								\$2,500

Barrier	843	The ground surface may not meet ASTM F 1951 or ASTM F 1292 for resilience and accessible route.						
			Citation	2010 ADA Stds. 1008.2.6				

ITEM 16: PLAY AREA		Adopt a policy to maintain and inspect the ground surfaces to ensure compliance with ASTM F 1951 and ASTM F 1292 for Use Zones.						
				P	O	1	2	EA
								\$0

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms									
Barrier	671	The accessible toilet stall lacks the min. required dimensions, or the accessible water closet lacks the min. required 60" wide clear floor space.	Citation	2010 ADA Stds. 604, 213					
ITEM 17: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Remove one reinforced masonry toilet stall partition and replace it with a narrower metal toilet partition, providing the extra space in the accessible stall.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: Toilet is wall hung. Stall width is 57" between solid CMU walls, and 58-1/2" deep to the entry partition.	P	O	1	3	1	EA	\$5,190
ITEM 18: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Remove one reinforced masonry toilet stall partition and replace it with a narrower metal toilet partition, providing the extra space in the accessible stall.	2010 Standards requirements for standard stalls: Min. 60" wide x 56" long (at wall mounted toilet), or min. 60" wide x 59" long (at floor mounted toilet). Also, min. 9" high toe clearance is required at all accessible stalls, unless stall depth exceeds 62" for wall hung and 65" for floor mounted toilets is provided. ADA requirements for clear floor space at water closets: Min. 60" wide x min. 56" long (both approaches). Existing condition: Toilet is wall hung. Stall width is 57" between solid CMU walls, and 58" deep to the entry partition.	P	O	1	3	1	EA	\$5,190
Barrier	676	The stall door hardware on both sides requires gripping, twisting, or pinching to operate, which is not accessible, or the door is not self closing.	Citation	2010 ADA Stds. 604.8.1.2					
ITEM 19: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Adjust self-closing door hardware to close the door completely.	Existing stall door has spring hinges that close the door only part way. Owner/maintenance item.	P	O	1	3	0	EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 20: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Adjust self-closing door hardware to close the door completely.	Existing stall door has spring hinges that close the door only part way. Owner/maintenance item.	P	O	1	3	0 EA	\$0
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting, or pinching to operate.	Citation	2010 ADA Stds. 604.6				
ITEM 21: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Adjust flush control to operate with 5 lbs. max. force.	Flush controls shall comply with reach ranges and operation requirements specified in Section 309. Existing push button flush control requires an excess of 8 lbs. force to operate.	P	O	1	3	1 EA	\$500
ITEM 22: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Adjust flush control to operate with 5 lbs. max. force.	Flush controls shall comply with reach ranges and operation requirements specified in Section 309. Existing push button flush control requires an excess of 8 lbs. force to operate.	P	O	1	3	1 EA	\$500
Barrier	683	The toilet paper dispenser is not mounted 7" - 9" in front of the toilet edge measured to the center of the fixture, or min. 15" to max. 48" high OR is located less than 12" above the grab bar or less than 1-1/2" below the grab bar.	Citation	2010 ADA Stds. 604.7				
ITEM 23: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the dispenser.	Existing toilet paper dispenser is located above the side wall grab bar, within the required 12" min. clearance above the grab bar.	P	O	1	3	1 EA	\$72

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 24: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the dispenser.	Existing toilet paper dispenser is located above the side wall grab bar, within the required 12" min. clearance above the grab bar.	P	O	1	3	1 EA	\$72
Barrier	690	The faucet hardware requires twisting, pinching, or gripping to operate OR requires excessive force (over 5 lbs.) to operate OR metered faucet does not stay on for min. 10 seconds.	Citation	2010 ADA Stds. 606.4				
ITEM 25: MEN'S RESTROOM	Adjust faucet control to require max. 5 lb. force.	Existing condition: there are two sinks, the one on the right does not function. To operate the faucet, buttons are to be pushed, requiring approx. 10 lbs. force.	P	O	1	3	1 EA	\$500
ITEM 26: WOMEN'S RESTROOM	Adjust faucet control to require max. 5 lbs. force.	Existing condition: there are two sinks, the one on the right does not function. To operate the faucet, buttons are to be pushed, requiring approx. 8 lbs. force.	P	O	1	3	1 EA	\$500
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 27: MEN'S RESTROOM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing soap dispenser is located above the sink and is 51" AFF. If altered, per 2010 Standards, the item should be below 48" AFF. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	2	1 EA	\$0

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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South Mercer Playfields

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 28: MEN'S RESTROOM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing electric hand dryer has operation button at 51" AFF. If altered, per 2010 Standards, the item should be below 48" AFF. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	3	1 EA	\$0
ITEM 29: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet / above the grab bar to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: seat cover dispenser is located above rear wall grab bar, and within the required 12" min. clearance.	P	O	1	3	1 EA	\$150
ITEM 30: WOMEN'S RESTROOM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing electric hand dryer has operation button at 51" AFF. If altered, per 2010 Standards, the item should be below 48" AFF. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	2	1 EA	\$0
ITEM 31: WOMEN'S RESTROOM	Recommend no change. The item is not being altered and measures less than 54" AFF for a side approach, which meets the 1991 Standards.	Existing soap dispenser is located above the sink and is 51" AFF. (Some building codes such as WAC 51-50/IBC require lower mounting heights according to Table 603.6, which should be applied in these jurisdictions.)	P	O	8	2	1 EA	\$0
ITEM 32: WOMEN'S RESTROOM - ACCESSIBLE TOILET STALL	Relocate the seat cover dispenser from behind the toilet / above the grab bar to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: seat cover dispenser is located above rear wall grab bar, and within the required 12" min. clearance.	P	O	1	3	1 EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

South Mercer Playfields

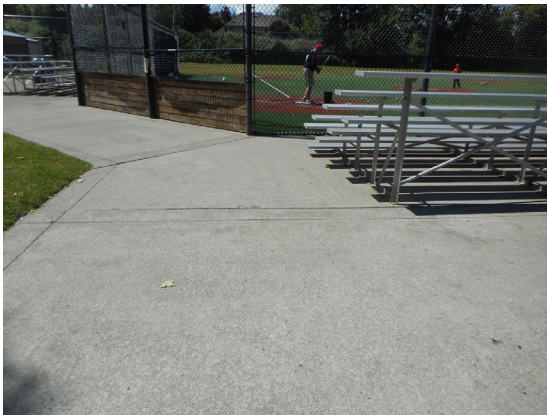
Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	713	The permanent room sign lacks raised letters and braille characters OR the raised letters characters do not meet the requirements.	Citation	2010 ADA Stds. 216, 703.3, 703.2, 703.5				
ITEM 33: MEN'S RESTROOM	Provide new compliant sign at the latch side of the door.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Existing condition: There are 2 restroom signs on exterior. They do not have raised characters, the International Symbol of Accessibility is approx. 2" high, and the sign located on the door latch side has braille at 41" AFF. There is another restroom sign with compliant raised letters, braille, and the International Symbol of Accessibility, but it is mounted on the inside of the door, and is only visible when door is propped open.	P	O	1	2	1 EA	\$290
ITEM 34: WOMEN'S RESTROOM	Provide new compliant sign at the latch side of the door.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 60" high (measured from baseline of highest tactile character to finish floor) located adjacent to the latch side of the door. Tactile characters shall be 48" min. to baseline of lowest character. Existing condition: There are 2 restroom signs on exterior. They do not have raised characters, the International Symbol of Accessibility is approx. 2" high, and the sign located on the door latch side has braille at 41" AFF. There is another restroom sign with compliant raised letters, braille, and the International Symbol of Accessibility, but it is mounted on the inside of the door, and is only visible when door is propped open.	P	O	1	2	1 EA	\$290
Total for Building: South Mercer Playfields								\$26,701

See Survey Legend and ADA Overview Report Section for more important information.

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South Mercer Playfields

- Upper Left: Bleachers require wheelchair seating (with signage).
- Upper Right: Hose bib under low level drinking fountain requires relocation.
- Lower Left: Ground surfaces of all play areas must be compliant and require periodic inspections & maintenance

South Mercer Playfields

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South Mercer Playfields

- Upper Left: 30"x48" clear floor space is required on one side of bench, and an accessible route to bench is required.
- Upper Right: Picnic table requires an accessible seat & accessible route.
- Lower Left: Accessible route is required to play area.

South Mercer Playfields

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South Mercer Playfields

- Upper Left: Accessible route and clear floor space is required at trash receptacles.
- Upper Right: BBQ grill requires an adjacent clear floor space.
- Lower Left: Paved accessible route and door maneuvering space is required at play area.

South Mercer Playfields

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3

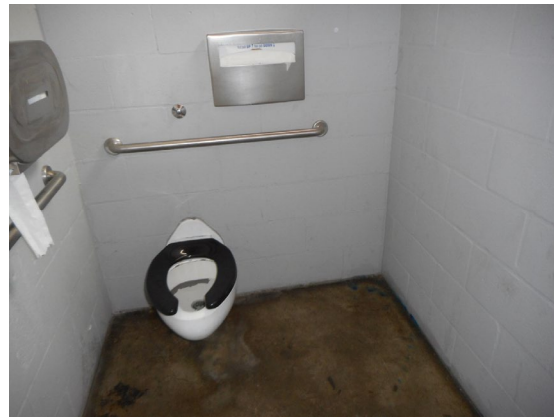
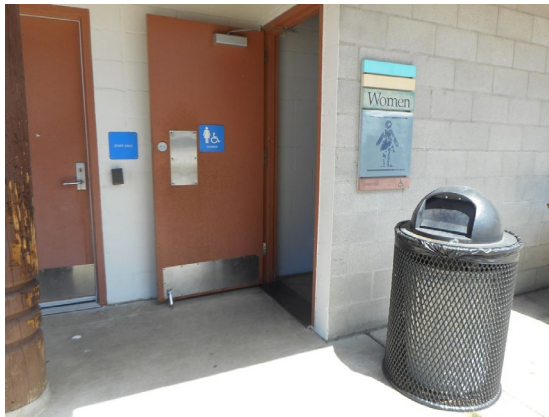


South Mercer Playfields

- Upper Left: Accessible route and door maneuvering space is required at practice area.
- Upper Right: Accessible route and door maneuvering space is required at batting cage structure.
- Lower Left: Accessible route and door maneuvering space required at practice area.

South Mercer Playfields

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South Mercer Playfields

- Upper Left: Restroom signage should be compliant.
- Upper Right: Accessible stall size is non-compliant. Dispensers require relocation.
- Lower Left: Soap dispenser and hand drying operation button are mounted too high.

South Mercer Playfields

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ADA SURVEY RESULTS
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For City of Mercer Island for Transpo

Wildwood Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements								
Barrier	482	The dining or work surface lacks 5% seating and standing spaces that are accessible, or existing tables exceed max. 34" high or lack knee clearance 27" high, 30" wide and 17" deep, or are not on an accessible route, or lack dispersion throughout seating and standing spaces.	Citation	2010 ADA Stds. 902.1, 226, 226.2				
ITEM 1: ACCESSIBLE PICNIC TABLE		Replace table with one providing top surface no more than 34" AFF, and with 27" high, 30" wide, 8" deep knee space, and 17" deep toe space. Alternately, provide accessible table in addition existing table.						
		Existing picnic table has knee and toe space 29" wide and 11" deep. Knee and toe space is required to be 30" min. wide and 17" min. deep.	P	O	1	2	1	EA \$2,500

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS Survey Results - by Building / Element

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Wildwood Park

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Exterior Accessible Routes / Entries								
Barrier	510	The site amenity (ball field, playground, bench, picnic table, BBQ, etc.) lacks an accessible route to it.	Citation	2010 ADA Stds. 206.2.2				
ITEM 2: ACCESSIBLE ROUTE TO PICNIC TABLE	Provide 44" wide (per Code) asphalt paving to the indicated amenities. At any slopes exceeding 5%, provide a compliant ramp with complying handrails and landings.	No accessible route is provided to picnic table or other elements.	P	O	1	2	80 LF	\$2,826
Barrier	518	The indicated object exceeds 48" high for a side approach and a front approach OR lacks a level 30"x48" clear floor space OR requires gripping and twisting.	Citation	2010 ADA Stds. 308				
ITEM 3: BOOK RECEPTACLE	Provide new concrete paving for clear floor space adjacent book receptacle with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from nearby trash receptacle.	Clear floor space adjacent opening of book receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	50 SF	\$1,250
ITEM 4: DOG WASTE RECEPTACLE	Provide new concrete paving for clear floor space adjacent dog waste receptacle with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from picnic table.	Clear floor space adjacent opening of dog waste receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	50 SF	\$1,250
ITEM 5: TRASH RECEPTACLE	Provide new concrete paving for clear floor space adjacent trash receptacle with a 2% max. cross slope (1:48) and 44" wide (per Code) accessible route from picnic table.	Clear floor space adjacent opening of trash receptacle is not paved (i.e., not stable, firm, or slip resistant).	P	O	1	4	50 SF	\$1,250
Total for Building: Wildwood Park								\$9,076

See Survey Legend and ADA Overview Report Section for more important information.

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Wildwood Park

Upper Left: Picnic table does not provide an accessible seat and clear floor space.

Upper Right: No accessible route thru lawn area.

Lower Left: Picnic table, book receptacle, and trash can require an accessible route and clear floor space.

Wildwood Park

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ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Accessible Parking								
Barrier	540	The accessible stall lacks compliant accessible parking signage, or existing signage is not 60" min. high measured to the bottom of sign.	Citation	2010 ADA Stds. 502.6, 703.7.2.1, 216.5				
ITEM 1: ACCESSIBLE PARKING IN FRONT	Remount / raise existing stall signage.	Signs shall be 60" min. AFF or ground surface, measured to bottom of the sign. Existing condition: signs are mounted at 32" AFF to the bottom.	P	O	1	1	2 EA	\$144

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	CITATION	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Built In Elements									
Barrier 481	The sales or service counter lacks a 36" long lowered portion of counter that is max. 36" high for a 48" parallel approach or is not 30" long min. with knee space for a forward approach or does not extend the same depth as the sales or service countertop.		Citation 2010 ADA Stds. 227.3, 904.4.2, 902.3						
ITEM 2: CHECKOUT COUNTER	Lower a section of existing counter to 36" AFF (with min. 36" length).	Existing countertop measured 38" AFF.		P	O	1	2	1	EA \$1,570
Barrier 488	The operable controls exceed max. 48" high for a front or side approach for items less than 20" depth OR 44" for items that are 20" - 25" depth, and/or lacks 30"x48" clear floor space.		Citation 2010 ADA Stds. 309; 308						
ITEM 3: GROUND FLOOR - WORKROOM 100, EAST OF DUMBWAITER	Lower the countertop upon which the item is located.	Existing countertop is 36" AFF. Outlets above countertop not within reach for a side approach.		P	O	1	2	1	EA \$1,110
ITEM 4: GROUND FLOOR - WORKROOM 100, SOUTH OF DUMBWAITER	Lower the dispenser(s).	Dispensers are required to be max. 48" high for a front and parallel approach. Existing paper towel and soap dispenser adjacent to countertop with the sink are mounted at 55" AFF.		P	O	1	4	2	EA \$300
ITEM 5: GROUND FLOOR - WORKROOM 100, SOUTH OF DUMBWAITER	Lower the countertop upon which the item is located, and provide outlet extenders to place outlet face within 24" of countertop edge.	Existing countertop is 36" AFF and 25" deep. Outlets above countertop not within reach for a side approach.		P	O	1	2	1	EA \$1,110
ITEM 6: SECOND FLOOR - KITCHEN	Lower the countertops. Lower electrical outlets to 46" AFF max. and ensure face of outlets within 24" of countertop edge.	Existing countertops are 36" AFF and 25" deep. Outlets are not accessible for a side reach.		P	O	1	2	2	EA \$2,220

See Survey Legend and ADA Overview Report Section for more important information.

ENELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
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Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
Barrier	610	The door with vision panel lacks at least one vision panel mounted at max. 43" high measured to lowest bottom edge.	Citation	2010 ADA Stds. 404.2.11				
ITEM 7: SECOND FLOOR - KITCHEN	Replace the door with a new door with a vision panel at 43" AFF.	Existing door has a vision panel at 48" AFF.	P	O	1	4	1	EA \$2,180
Barrier	612	The door lacks the required maneuvering space, or the maneuvering space is not level.	Citation	2010 ADA Stds. 404.2.4				
ITEM 8: GROUND FLOOR - RETAIL #104, EXIT DOOR ON SOUTH SIDE	Relocate the door / frame to provide door maneuvering space.	Existing condition: exit door has an exterior column directly outside of its opening. See additional dimensions for other approaches in 404.2.4.1.	P	O	1	2	1	EA \$1,100
ITEM 9: GROUND FLOOR - WORKROOM 100, EAST EXIT DOOR	Relocate the furniture or movable object that is encroaching into door maneuvering space.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach and 48" perpendicular to door for front or side / push side approach (latch & closer). Existing condition: furniture blocks the 12" wide clearance required on the (inside) push side. See additional Dimensions for other approaches in 404.2.4.1	P	O	1	2	1	EA \$0
ITEM 10: GROUND FLOOR - WORKROOM 100, EAST EXIT DOOR	Add new portion of exterior surface (at door approach).	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Provide clear floor space min. 60" perpendicular to door for front / pull side approach. Existing condition: there is no adjacent / level surface on the door exterior. See additional Dimensions for other approaches in 404.2.4.1.	P	O	1	2	30	SF \$1,515

See Survey Legend and ADA Overview Report Section for more important information.

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Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Doors								
ITEM 11: GROUND FLOOR - WORKROOM 100, EXTERIOR DOOR ON WEST WALL	Relocate the furniture or movable object that is encroaching into door maneuvering space.	Ensure door maneuvering spaces are min. 18" at pull side and min. 12" at push side (if equipped with latch & closer). Existing condition: work table encroaches on the required 12" width at the door latch / push side.	P	O	1	2	1 EA	\$0
Barrier	622	The existing door does not have a smooth surface min. 10" from the floor or exterior surface and/or the kick plate installed is not capped.	Citation	2010 ADA Stds. 404.2.10				
ITEM 12: FRONT ENTRY DOORS	Recommend no change, as doors pre-date the 2010 ADAS and the 1994 ADAAG did not include this requirement. When doors are replaced or otherwise altered, however, they will need to be brought into compliance with ADAS	Door base measure 9" AFF, and door stop / hold open exists in the kick plate area on the push side. Existing doors are not required to add a smooth surface, but if one is installed it is required to be capped.	P	O	8	1	2 LEAF	\$0

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Dressing Rooms, Fitting Room, Locker Room								
Barrier	758	There are not 5% of the dressing rooms that are accessible, or the dressing room lacks a 60" diameter (or T-shaped) turning space.	Citation	2010 ADA Stds. 222, 304.4, 803.2				
ITEM 13: SECOND FLOOR - DRESSING ROOMS	Expand the dressing room to meet clear floor space requirements.	At least one of each type of dressing room provided must be accessible. In alterations, where it is technically infeasible to provide accessible rooms, one room for each sex on each level is required. Where only unisex rooms are provided, unisex rooms are permitted. Existing condition: three dressing rooms are provided, one is 48" wide, and the others are 43" wide. All are 60" deep.	P	O	1	2	1	EA \$1,250
Barrier	760	The accessible dressing or fitting room lacks a 42" min. long x 20" to 24" deep bench mounted between 17" and 19" high, or lacks 30"x48" clear floor space at the end of the bench, or lacks an accessible back support.	Citation	2010 ADA Stds. 222, 903				
ITEM 14: SECOND FLOOR - DRESSING ROOMS	Provide a new 20" - 24" deep x 42" long bench at 17" - 19" height affixed to a wall or with accessible back support in an accessible location within the dressing room.	No bench is provided in any dressing rooms. If the bench is not affixed to a wall, then a back support the length of the bench (42" min.) 18" high min. shall be provided.	P	O	1	2	1	EA \$1,110

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Elevators								
Barrier 628	The elevator lacks raised letters and braille floor and/or car designations located at both jambs OR the designations are not mounted within 48" - 60" to the baseline of the character.		Citation	2010 ADA Stds. 407.2.3, 703.4				
ITEM 15: GROUND FLOOR - WORKROOM 100, ELEVATOR	Relocate floor designation to be within 48" - 60" AFF to the baseline of the character.	Existing floor designation tactile number exceeds 60" AFF to the baseline of the character. This occurs at the second level also.	P	O	1	2	2	EA \$144
Barrier 633	The car control floor buttons exceed 54" high with a side approach, if more than 16 floor openings, or 48" high with a front or side approach, if less than 16 floor openings; or emergency controls are not grouped and higher than 35" to centerline at the bottom of the panel.		Citation	2010 ADA Stds. 308.3, 407.4.6				
ITEM 16: GROUND FLOOR - WORKROOM 100, DUMBWAITER	Recommend no change. The item is not being altered and measures less than 54" AFF and a parallel approach is provided which meets the exception for existing elevator call buttons.	Existing dumbwaiter operation control buttons mounted at 52" AFF.	P	O	8	2	1	EA \$0
Barrier 637	The emergency two-way communications system is non-compliant (highest operable part exceeds 48" high, length of cord is too short, device lacks identifying signage, system lacks voice communication, or lacks tactile symbols and characters).		Citation	2010 ADA Stds. 407.4.9				
ITEM 17: GROUND FLOOR - WORKROOM 100, ELEVATOR	Provide a means for non-verbal communications via text readout or indications of rescue on the way.	Verify with local requirements necessity for emergency communications system. Existing "Airphone" operation button is 56" AFF.	P	O	1	2	1	EA \$2,160

See Survey Legend and ADA Overview Report Section for more important information.

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LOCATION	RECOMMENDATION	COMMENTS	CITATION	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Kitchens - Lounges									
Barrier 17850	The dining surfaces for consuming food and drink lack the min. required 5% (but not less than one) accessible seating spaces and standing spaces lack accessible seating with knee space.		Citation 2010 ADA Stds. 226, 902						
ITEM 18: SECOND FLOOR - KITCHEN, DINING TABLE	Remove one of the dining tables, and provide one with a dining surface 28" to 34" AFF, 30 " wide and with a knee 27" high, 30" wide and 19" deep.	Knee space shall be at least 27" high, 30" wide and 19" deep. Existing table has 13-1/2" deep knee space.		P	O	1	1	1	EA \$1,840
Barrier 531	The kitchen sink exceeds 34" high, lacks 30" wide knee space if a range or cooktop is provided, or has inaccessible hardware.		Citation 2010 ADA Stds. 804.4						
ITEM 19: SECOND FLOOR - KITCHEN	Lower the sink to be 34" max.	Existing countertop and sink are 36" AFF.		P	O	1	2	1	EA \$2,100
Barrier 532	The kitchen lacks the 50% of storage at an accessible level of 15" min. - 48" max.		Citation 2010 ADA Stds. 804.5						
ITEM 20: SECOND FLOOR - KITCHEN	Provide additional storage to meet the required 50% max.	Existing upper cabinets are 55" AFF.		P	O	1	2	5	LF \$1,150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

Date: 12/01/2021

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier 680	The toilet lacks compliant side and/or rear grab bars.		Citation 2010 ADA Stds. 604.5					
ITEM 21: SECOND FLOOR - RESTROOM #206, SOUTH RESTROOM	Recommend no change because this restroom will not be made an accessible restroom. Provide directional signage to accessible restroom.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max.. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. (Exception: Grab bars not required to be installed in single occupant accessed through private offices.) [2010 Standards: Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes; allows alternate children's use height.]	P	O	2	3	1	EA \$150
Barrier 681	The existing grab bars are non-compliant in size, configuration, or mounting height.		Citation 2010 ADA Stds. Fig. 604.5.2, 609.2, 604.9					
ITEM 22: GROUND FLOOR RESTROOM	Replace with new grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Existing condition: grab bars are mounted too high at 37-3/4" AFF. Also, side wall grab bar is 36" in length and is required to be 42" min., mounted 54" min. from back corner. Rear wall grab bar is 36" long, which is compliant, but location is to be 24" from toilet centerline to the end of the grab bar on the open (toilet) end.	P	O	1	3	1	EA \$1,300

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
ITEM 23: SECOND FLOOR - RESTROOM #205, NORTH RESTROOM	Remount the existing grab bars.	Grab bars should be 1-1/4" - 2" in diameter, 33" - 36" AFF, with 1-1/2" min. between the wall and the grab bar. Circular cross section - outside diameter 1-1/4" min. - 2" max. Non-circular cross section - perimeter of 4" min. - 4.8" max. Horizontal projections shall be 1-1/2" min. below bottom of rail. Rear grab bar min. 24" long from centerline of toilet at transfer side; allows 1-1/4" - 2" cross section and non-circular shapes. Existing condition: grab bars are mounted 37" AFF to the top.	P	O	1	3	1 EA	\$410
Barrier	682	The flush controls are not located at open side of toilet, or controls require gripping, twisting, or pinching to operate.	Citation	2010 ADA Stds. 604.6				
ITEM 24: MEN'S RESTROOM - ACCESSIBLE TOILET STALL	Replace the tank with flush controls on the open side.	Existing toilet has auto-flush and manual flush control on the corner side of the toilet.	P	O	2	3	1 EA	\$1,160
Barrier	688	The lavatory lacks min. 27" high knee space at front edge, extending 8" deep under the lavatory, and/or 30"x48" clear floor space.	Citation	2010 ADA Stds. 606.2				
ITEM 25: GROUND FLOOR RESTROOM	Replace lavatory with an accessible model.	Where lavatories are provided at least one shall be accessible and not be located in a toilet compartment. Existing condition: Knee space at 27" AFF is 4" deep.	P	O	1	3	1 EA	\$2,340
Barrier	689	The lavatory lacks insulation at water supply and drain pipes.	Citation	2010 ADA Stds. 606.5				
ITEM 26: GROUND FLOOR RESTROOM	Insulate pipes.	Where lavatories are provided at least one shall be accessible. Existing condition: Lavatory pipes are not insulated.	P	O	1	3	1 EA	\$180

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Restrooms / Bathrooms								
Barrier	692	The mirror exceeds max. 40" high measured from the bottom of the reflecting surface OR mirrors not located above countertops exceed 35" high.	Citation	2010 ADA Stds. 603.3				
ITEM 27: GROUND FLOOR RESTROOM	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Existing condition: bottom of reflective surface is 48" AFF.	P	O	1	3	1 EA	\$150
ITEM 28: SECOND FLOOR - RESTROOM #205, NORTH RESTROOM	Lower the mirror.	Mirrors above countertops are required to be 40" max. to the reflective surface. Existing condition: bottom of reflective surface is 43" AFF.	P	O	1	3	1 EA	\$150
Barrier	694	The specified dispensers (soap, towel, seat cover, sanitary napkin, or baby changing), outlets, or controls exceed max. reach range of 48" high for a front or side approach, or lack clear floor space.	Citation	2010 ADA Stds. 308.3				
ITEM 29: GROUND FLOOR RESTROOM	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach.	P	O	1	3	1 EA	\$150
ITEM 30: GROUND FLOOR RESTROOM	Relocate or lower the towel dispenser(s).	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: towel and soap dispenser are 50" AFF to operation handle.	P	O	1	3	2 EA	\$300
ITEM 31: SECOND FLOOR - RESTROOM #205, NORTH RESTROOM	Relocate the seat cover dispenser from behind the toilet to a location within reach range.	Dispensers are required to be max. 48" high for a front and parallel approach. Existing condition: seat cover dispenser is mounted behind the toilet prohibiting a forward and/or side approach.	P	O	1	3	1 EA	\$150

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Signage								
Barrier	715	The permanent room sign with tactile characters is not mounted min. 48" high from baseline of lowest character and max. 60" high from baseline of highest characters OR is not 9" min. from centerline of sign to latch side of door.	Citation	2010 ADA Stds. 703.4.1, 703.4.2				
ITEM 32: SECOND FLOOR - RESTROOM #205, NORTH RESTROOM	Remount / relocate existing sign that meets the requirements.	Signs to have raised and braille characters, high-contrast finish / non-glare surface, and must be mounted at 48" - 60" high, measured 48" (base of lowest character) to baseline of highest character from finished floor, located adjacent to the latch side of the door. Existing condition: Sign is mounted on the door with tactile lettering too high (62-1/4" to baseline).	P	O	1	3	1	EA \$72

See Survey Legend and ADA Overview Report Section for more important information.

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ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	CITATION	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Sinks									
Barrier	723	At least 5%, or min. 1 of the sinks in accessible spaces exceeds 34" to the rim or counter OR lacks min. 30" wide knee space that is 27" high and 17" deep for a front approach OR lacks 30"x48" parallel approach. Note: A parallel approach is allowed in kitchens, kitchenettes, and wet bars if there is no cooktop or range.	2010 ADA Stds. 212.3,606.2, 606.3						
ITEM 33: GROUND FLOOR - WORKROOM 100, SOUTH OF DUMBWAITER	Lower the mounting height of the sink to 34" max. Remove cabinetry below to provide the required 27" knee space.	Knee clearance should be at least 27" high, 30" wide, and 17" deep. Existing sink is 36" AFF with permanent cabinets below.		P	O	1	2	1	EA \$1,820

See Survey Legend and ADA Overview Report Section for more important information.

ENDELMAN & ASSOCIATES PLLC

ADA SURVEY RESULTS
 Survey Results - by Building / Element

For City of Mercer Island for Transpo

Youth and Family Services Thrift Shop & Recycling Center

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP CODE	PRI	QTY	UNITS	BUDGET
Storage / Lockers								
Barrier	742	The lockers lack the required 5% accessible lockers.	Citation	2010 ADA Stds. 225.2.1, 811				
ITEM 34: SECOND FLOOR - KITCHEN	Replace 5% of the existing lockers with ones that are accessible.	A clear space at least 30"x48" that allows forward or parallel approach, accessible hardware, and storage elements that are within a 15" - 48" reach range are required. Existing condition: The second row of lockers has hooks at 50" AFF with shelf below (48" max. required). The first row of lockers has a bottom shelf below 15" AFF (15" min. height required). Locker opening devices require tight pinching to open.	P	O	5	4	2	EA \$640
Total for Building: Youth and Family Services Thrift Shop & Recycling Center								\$29,975

See Survey Legend and ADA Overview Report Section for more important information.

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Youth and Family Services Thrift Shop

- Upper Left: Accessible parking sign is mounted too low. Bottom edge of sign to be 60" min. above pavement.
- Upper Right: Exit door has a column blocking the required door clearance and maneuvering space.
- Lower Left: Exit door from first floor lacks a paved clear floor space on exterior side.

Youth and Family Services Thrift Shop

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.1

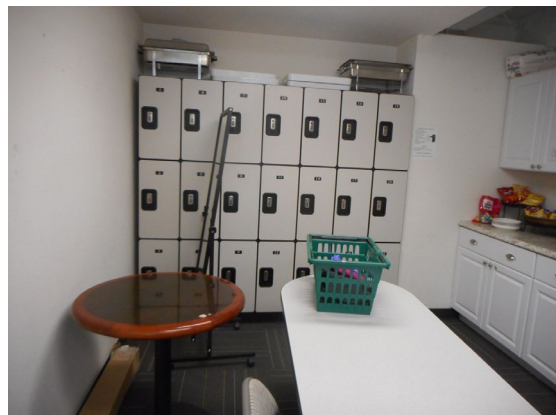


Youth and Family Services Thrift Shop

- Upper Left: Countertop blocks the 12" min. required maneuvering space on the latch/push side.
- Upper Right: The vision panel on the door is too high. To be 43" max. AFF.
- Lower Left: One accessible dressing room is required with a bench and turning space.

Youth and Family Services Thrift Shop

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.2



Youth and Family Services Thrift Shop

- Upper Left: Check-out counter lacks a 36" high max. x 36" min. in length accessible counterspace.
- Upper Right: Lockers do not provide the min. 5% required to be accessible, due to height of hooks & bottom shelf.
- Lower Left: Sink is 36" AFF (should be 34" max.) and lacks knee clearance for a forward approach. Above countertop outlets are out of accessible reach. Paper towel dispenser is mounted too high.

Youth and Family Services Thrift Shop

ENDELMAN & ASSOCIATES PLLC / ADA Survey for City of Mercer Island – Transpo / P.3



Youth and Family Services Thrift Shop

- Upper Left: Dining table does not provide the required knee clearance space.
- Upper Right: Countertop and sink are too high. Must be 34" AFF max. for sink height and for accessible reach to above countertop mounted outlets. Also, kitchen lacks 50% of storage at accessible height.
- Lower Left: Second level accessible restroom signage is mounted too high.

Youth and Family Services Thrift Shop

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Youth and Family Services Thrift Shop

- Upper Left: Ground floor restroom grab bars are too short and incorrectly located. Seat cover dispenser is not accessible above the toilet.
- Upper Right: Ground floor restroom lavatory does not provide the required knee space clearance. Pipes require insulation. Mirror and towel dispenser are too high.
- Lower Left: 2nd floor restroom adjacent the kitchen is inaccessible. Provide directional signage to accessible restroom.

Youth and Family Services Thrift Shop

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Youth and Family Services Thrift Shop

- Upper Left: Second floor accessible restroom: grab bars are mounted too high, flush control is required on the open side, seat cover dispenser is not accessible above the toilet.
- Upper Right: Second floor accessible restroom: mirror is mounted too high. The bench encroaches on door maneuvering clearance on the latch side.

Youth and Family Services Thrift Shop

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ADA SURVEY RESULTS
Survey Results - by Building / Element

For City of Mercer Island for Transpo

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LOCATION	RECOMMENDATION	COMMENTS	TYPE	RESP	CODE	PRI	QTY	UNITS	BUDGET
TOTAL (ALL BUILDINGS)									\$1,303,577

See Survey Legend and ADA Overview Report Section for more important information.

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Appendix E - Stakeholder Engagement

CITY OF MERCER ISLAND

ADA TRANSITION PLAN

ENGAGEMENT & PUBLIC INVOLVEMENT SUMMARY

PREPARED FOR: Lia Klein, City of Mercer Island
PREPARED BY: Jeanne Acutanza, Acutanza STS
CC: Patrick Lynch, Transpo Group
DATE: November 1, 2021

Introduction

This summary provides an overview of engagement and outreach to support the City of Mercer Island ADA Transition Plan development. In developing this ADA (Americans with Disabilities Act) Transition Plan, we emphasize outreach and engagement to people with disabilities and those who support people with disabilities. We also reach out to members of the public with no disability. We hope to meet our community where they are; however, most outreach was conducted using virtual and online communications strategies in the interest of community safety. We also want to reflect the communities served and make sure our outreach is accessible to those who are more comfortable communicating in other languages.

We conducted this outreach to gain feedback on current pedestrian facilities within the public right-of-way and access within and to public buildings that provide access to community and government services. This memo outlines the community outreach process used to support the development of this ADA Transition Plan. Our survey and outreach were conducted over the summer and fall of 2021, during the global COVID 19 pandemic. The ongoing COVID-19 pandemic and guidance the state a local Departments of Health restricted our ability to conduct in-person outreach for the plan. Outreach was limited to include largely online outreach.

Specific elements of our outreach included:

- an online open house which will remain open through plan development
- an online mapping tool to identify issues that remains open through plan development
- a public survey opened from July into September
- an in-depth focus group and discussions with volunteers from the survey responders

Attachments to this memo include:

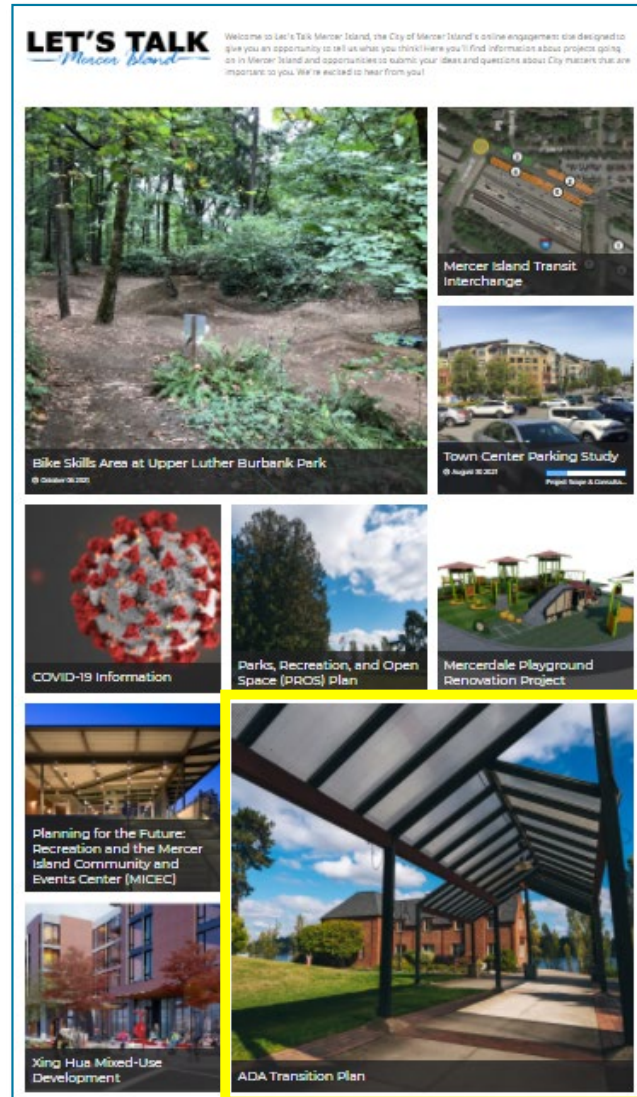
- A. Survey questions
- B. Topline Survey Results
- C. Listing of issues from survey and focus group
- D. Focus Group Guide

Promotion and advertising for outreach

The goal of the outreach for the ADA Transition Plan update was to reach out broadly to members of the public that travel on Mercer Island with and without disabilities.

Specific outreach to the public and organizations serving and advocating for individuals with disabilities consisted of:

- Promotion through the City outreach page with current outreach efforts called "Let's Talk" (right) links to a project Online Open House. The City also placed notices in Nextdoor and Facebook.
- Paper flyers and posters placed at public places throughout that are open to the public. These included the library, Mercer Island City Hall and all senior housing facilities on the island.
- Article in the Mercer Island Reporter soliciting community feedback on the survey August 18, 2021 here: www.mireporter.com/news/city-offers-resident-survey-while-developing-ada-transition-plan/
- Outreach to the Mercer Island school district to notify families served by the schools
- Launching a landing page within the City website within Public Works dedicated to the development and status of the ADA Transition Plan. It continues to be the landing page to the public for ADA issues. www.mercerisland.gov/publicworks/page/ada
- Promoting an online open house describing Title II of the Americans with Disabilities Act, the ADA process, and the emphasis on facilities for pedestrians in the public right-of-way here: <https://www.mercerislandada.com/>. The page remains active as an educational resource and links to an online mapping tool to identify locations.
- Creating an online mapping and reporting tool for the public to report barriers to access here: <https://www.mercerislandada.com/interactivereporting>. This link remains active and allows the public to report obstacles they encounter using a mapping interface.



Online Survey: July 4 through September 14, 2021

A 17-question survey was open from the online open house launch on July 4 through September 14, 2021. The English language version of the online survey resulted in seventeen complete answers. It asked respondents how they travel, where they live, why they travel in Renton, whether they had a disability or support someone with a disability. It also asks respondents whether an accessibility issue has ever prevented them from participating or obtaining services in the City of Mercer Island. Questions regarding demographics were optional. The survey did not specifically ask where respondents live but did request a ZIP code for each respondent. Most of the respondents indicated they lived within the City and in ZIP code 98004. No Chinese or Spanish language surveys were completed online. No survey respondents indicated they were of Hispanic origin.

While the survey was broadly advertised and open for two months, only seventeen people responded fully to the survey. With a small population on Mercer Island, this level of response was not unexpected. The responses themselves were detailed, providing specific examples and perspectives on priorities. Survey respondents were reported to be predominantly residents of Mercer Island. Almost half (47%) of the respondents said they either had a disability or supported a person with a disability. The summary also included a crosstab comparison of the general responses and responses of those with disabilities.

In addition to feedback through the survey, the City received specific comments from survey respondents and focus group members. Those comments will be incorporated with other comments received during the survey. Focus group members noted that they did see notices on social media.

The survey asked if and where any of the respondents experienced barriers to access. Of the seventeen respondents, four noted they experience barriers to access. Of these four, two noted they had a disability or supported a person with a disability. Sidewalk barriers and gaps in sidewalks were most often shown to be the barrier.

Others noted specific barriers as off-leash dogs within parks, heavy doors in the Mercerdale Park restrooms, and bus stops along West Mercer Way that are not easy to access, or inability to get to the Park-and-Ride by the Congregational Church on Island Crest Way (this requires walking up steep hills which is a challenge on snowy days).

Respondents also noted their top modes of travel were driving and walking. The survey was conducted during the pandemic and may have impacted responses; for example, transit ridership had declined, and some transit routes that were cut or eliminated during the pandemic have yet to return. Few (7%) indicated they rode transit.

The top response among those with disabilities or supporting a person with disabilities was a lack of ADA parking. The survey welcomed respondents to comment on up to three specific problem locations. A list of twenty-four issues reported in the survey is included in Attachment C. The top two issue types were sidewalk barriers/gaps and access within parks. Finally, the respondents were asked about their priorities for addressing ADA gaps and barriers. For the general respondents, the top two priorities identified were transit and retail areas. These were the same two top priorities for those within the crosstab of people with a disability or supporting someone with a disability.

The focus group and individual interviews provide an opportunity to ask for clarifications about barriers and issues noted in the survey.

Focus Group Meeting September 30, 2021, and Interviews

Using the Zoom virtual platform that included closed captioning, the project team and consultant conducted interviews and a facilitated focus group of Mercer Island residents and survey responders. All the respondents interviewed live on Mercer Island and have a disability or support a person with a disability. The focus group on September 30 was recorded only to confirm documentation. We are grateful to those volunteers that volunteered their time.

In addition to discussing the survey topline results and ADA plan process, the focus group mentioned several issues that are listed in Attachment C. Respondents were invited to describe other barriers observed and experienced on Mercer Island in the public right of way and to provide details on the barriers experienced. It was also asked if there was concurrence with the priorities noted in the survey by the general respondents and the crosstab group of those that either have a disability or support people with disabilities. The top two priorities mentioned were access to transit and access in retail areas. It is also notable that there was significant discussion related to parks, park access, and ADA parking, and ADA restroom access, specifically within or near parks. One of the top issues noted in the survey was missing and poorly maintained sidewalks. This was confirmed in the focus group – that in some areas, broken and uneven sidewalks in retail locations encourage the use of the smoother street. While the City does not maintain or operate traffic signals on Mercer Island, traffic signals were long and not pedestrian-friendly. Pedestrian phasing (either lead pedestrian intervals or pedestrian phase re-call) is desirable, especially near schools with more pedestrians. Many signals do not provide accommodations (buzz or beep) for those with disabilities. This is particularly an issue for pedestrian paths to transit.

Summary

Topline survey results are provided in **Attachment B** with a listing of issues at specific locations identified by the public provided in **Attachment C**. An overview of comments received during this outreach process fall into the following categories:

- Comments on issues within the public right of way
- Issues outside the purview of the ADA Transition Plan
- Priorities

Comments on issues in the public right of way

The table below notes the number of times different types of issues were mentioned in the online survey. Note that some issues fit more than one category (e.g., maintenance of sidewalks fits in both maintenance and sidewalk categories). Park access and sidewalks were mentioned most, which is consistent with what was noted in the focus group.

People noted broken, uneven sidewalks (like near the post office), missing links (like in neighborhoods), shoulders not clearly marked by use and inappropriately shared by bikes, cars, and pedestrians (like on West/East Mercer Way), and uneven gravel paths that parallel roadways and are intended for pedestrians (like near Luther Burbank Park).

Park access and lack of accessible parking near parks were noted. ADA accessible restrooms, gender-neutral restrooms to allow for support people to assist, restrooms that are easily accessible with doors that open easily were also noted. ADA accessible public restrooms near short-term accessible parking were noted as an idea to accommodate those traveling in retail areas. Inaccessible parking for on-street parking was also noted as being awkward for loading and deploying ramps for wheelchairs.

Comments related to access to and within buildings included providing push buttons for doors on the left and near the entrance, making sure public buildings like the police department office within City Hall and virtual public meetings can accommodate all disabilities, including providing closed captioning for all meetings, and not relying on phone technology for access. Information provided via the internet should meet ADA accessibility.

Design standards to meet ADA requirements are provided as minimums and should not restrict the City from considering exceeding minimums where viable, practicable, and beneficial for the public.

TABLE 1 – SUMMARY OF TYPES OF COMMENTS FROM THE SURVEY, MAPPING TOOL, AND FACEBOOK

	Sidewalks	Crosswalks	Signals	Curb ramps	Building Barriers	Barriers in parks	Transit Stop	Vehicle conflicts	Parking	Other
Online Survey Responses	9	3	0	0	3	9	1	5	4	7

Issues outside the purview of the ADA Transition Plan

Issues noted in the survey that may be passed on to other agencies included lack of access to programs (football games), recreational programs, or elevators in schools or other recreational facilities. Restrooms in private businesses were noted as substandard, with difficult doors to open, or not gender-neutral (to allow for a support person). Again, design standards of width should be considered minimums.

Priorities

The survey noted top priorities for ADA improvements as Transit and Retail areas and focus group members agreed. Notably, the survey identified numerous issues related to accessing the park. The focus group also discussed parks extensively.

ATTACHMENT A – SURVEY QUESTIONS

The following survey questions were provided online in English, Chinese, and Spanish.

1. Why do you travel on Mercer Island? (Live, work, school, appointments, etc.)
2. Please tell us about yourself. (Have a disability, support someone with a disability, have no disability, or prefer not to say.)
3. If you have a disability or disabilities; or if you support someone with a disability, please check all that apply (lists a range of disabilities)
4. What resources do you use to find information on ADA issues?
5. Please provide your five-digit zip code
6. How often do you travel on Mercer Island?
7. How do you travel within the City of Mercer Island? (Drive, walk, bike, roll, transit, etc.)
8. If you use transit, how often do you use it in a typical week?
9. Are you now, or were you ever unable to participate in an event or obtain services in the City of Mercer Island? (Y/N)
10. Which of the following physical barriers are/were reasons you are not/were not able to participate in events or access services in the City of Mercer Island?
11. What areas would be your priority in improving access to facilities?
12. What areas would be your second priority in improving access to facilities?
13. *Please list up to three locations where you have experienced (or noticed) mobility challenges, accessibility challenges, trip hazards, etc., in the City of Mercer Island. *For these open-ended questions, please provide the location/s where you have experienced challenges with pedestrian facilities as well as a description of the problem/s you encountered. For example, Location: sidewalks on SE 40th St @ Island Crest Way. Description: Sidewalk is raised, creating a trip hazard
14. What is your age? (optional)
15. How do you identify yourself? (optional)
16. Are you of Spanish, Hispanic, or Latino origin or descent? (optional)
17. Would you be willing to participate in a focus group or individual interview? (Following all COVID-19 safety protocols)

ATTACHMENT B – SURVEY TOPLINE RESULTS



ADA Transition Plan Update Survey Top Line Results

On-Line Survey
thru September 14, 2021
UPDATED October 14, 2021

Transpo Group/Acutanza STS

1

About Transition Plans

- Addresses deficiencies to improve mobility
 - public right-of-way including sidewalks, crosswalks, curb ramps, signals, transit stops
 - Access and areas within buildings and parks open to the public
- Focused on providing access to resources and services
- Addressing barriers in public right of way & public buildings
- What is included – sidewalks and roadways especially those that access public services and facilities
- What is not included – facilities managed by others such as schools, churches, private retailers
- Next Steps toward the end

Outreach

- Survey open July 4 – September 14
- Survey Promotion
 - Advertised on Website & Online Open House
 - Promoted through Social Media Channels
 - Article in the Mercer Island Reporter
 - Translation included Spanish Chinese
- Focus Group Explores
 - Where are there barriers
 - What types of facilities are priorities (where would you invest)
 - Which locations are priorities?

Survey Summary

1. Respondents and demographics
2. Issue areas
3. Priorities

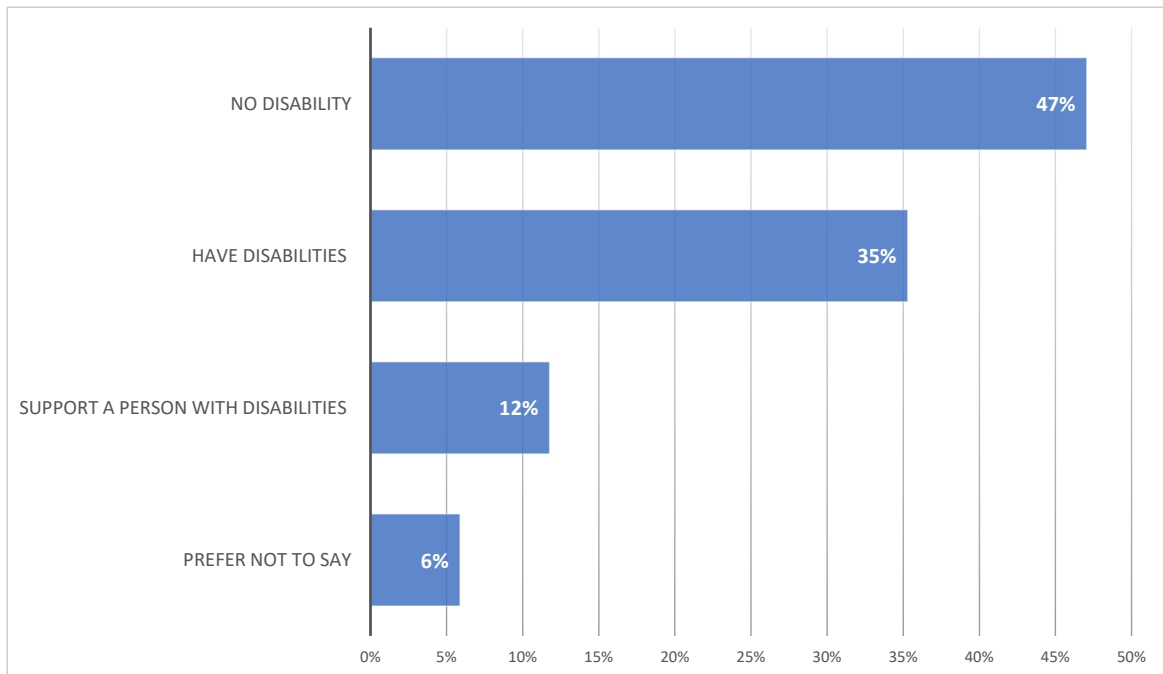
1. Demographics and Respondents

- 17 full responses
- Most live on Mercer Island with one off Island response
- Many also shop, recreate and have medical appointments in Mercer Island
- Highest sources for information was City then State, DSHS and Transit Agencies
- Top two modes are drive and walk, few are regular transit users
- Most respondents in the 45-55 Age

Demographics / Respondents

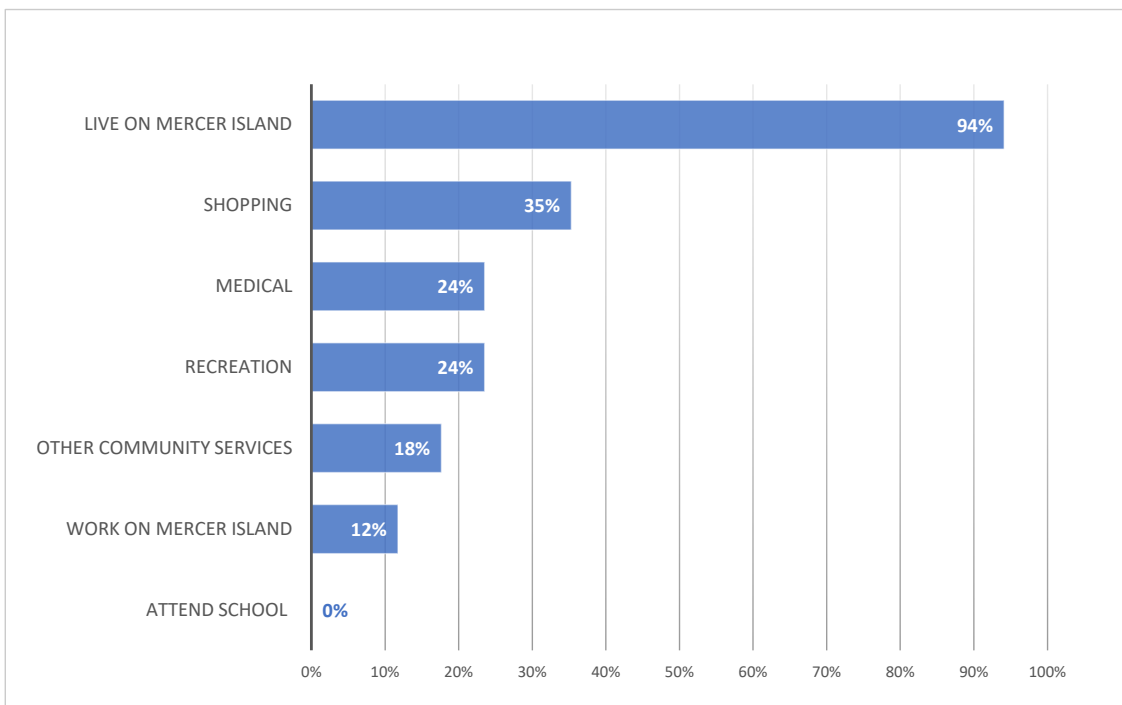
- Most white
- No Spanish/Chinese responses
- Respondents (6% prefer not to say)
 - 35% Report they have a disability
 - 12% Report they support someone with a disability
 - 47% Report they are not disabled
- Greatest portion had a condition that substantially limits one or more physical activities such as walking, climbing stairs, reaching, lifting, or carrying. Next is those with wheelchairs.

Please tell us about yourself

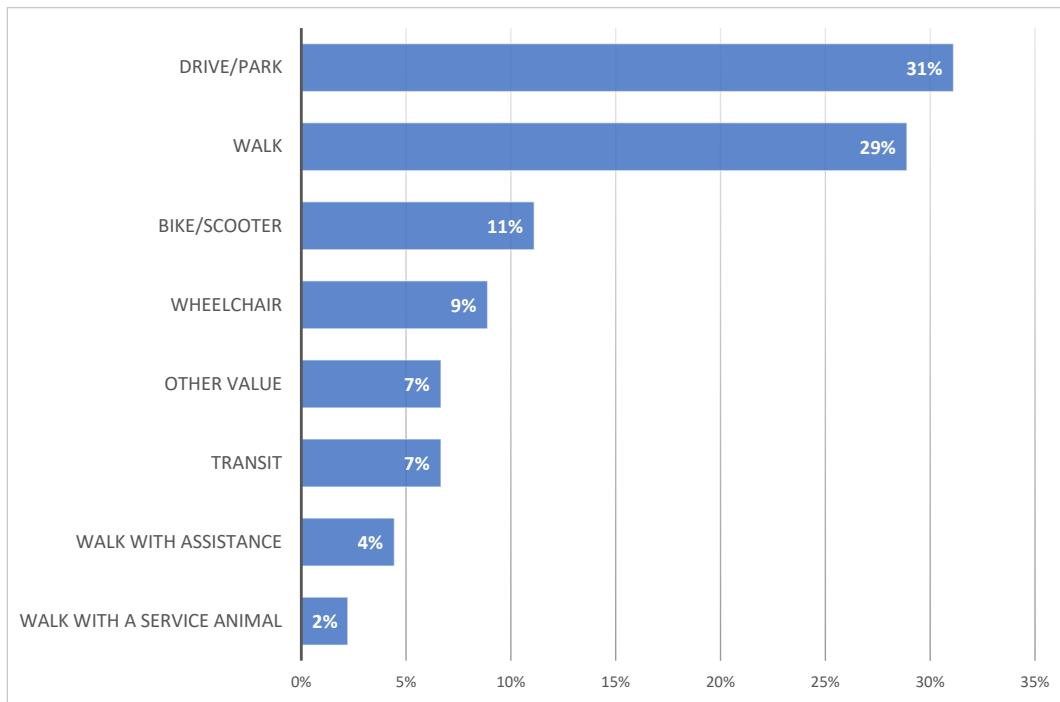


Why are you traveling on Mercer Island

(Choose all that apply)



How do you travel within the Mercer Island?

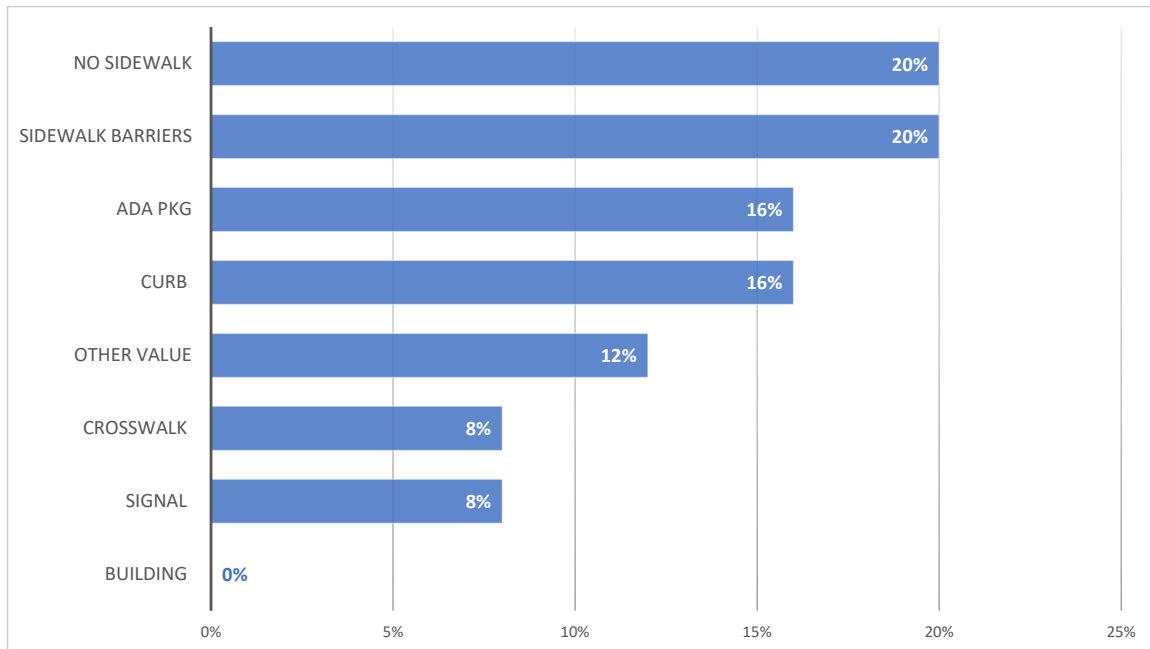


2. Issues identified in the survey

Issues Identified

- 4 indicated they have experienced barriers to access. Of these, 2 have a disability or support a person with a disability.
- 24 locations were reported by members of the public using the survey. No locations were reported using the on-line mapping tool
- Of the issues reported:
 - Sidewalks and ADA parking were identified most
 - Lack of facility accommodations were also noted
 - Lack of accessible spaces
- 7 People noted they would be willing to support a focus group. Of these, three have a disability or support a person with a disability

Types of Barriers noted



Specific other reasons people indicated they could not participate

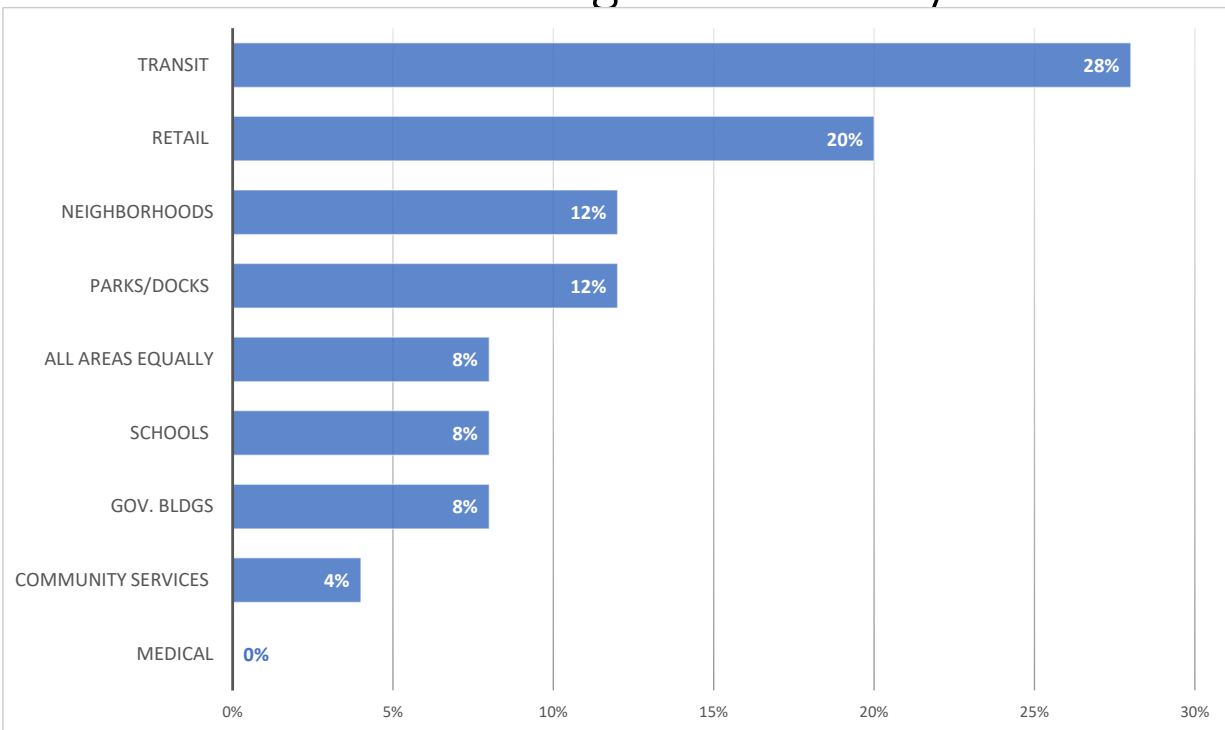
- Off leash dogs in parks
- Former neighbor unable to open door at Mercerdale Park restroom due to weight of door
- All bus stops on W. Mercer Way removed - can't get to P&R easily without walking up steep hill (slippery on icy days) to P&R by Congregational church on Island Crest Way

Types of Issues Noted

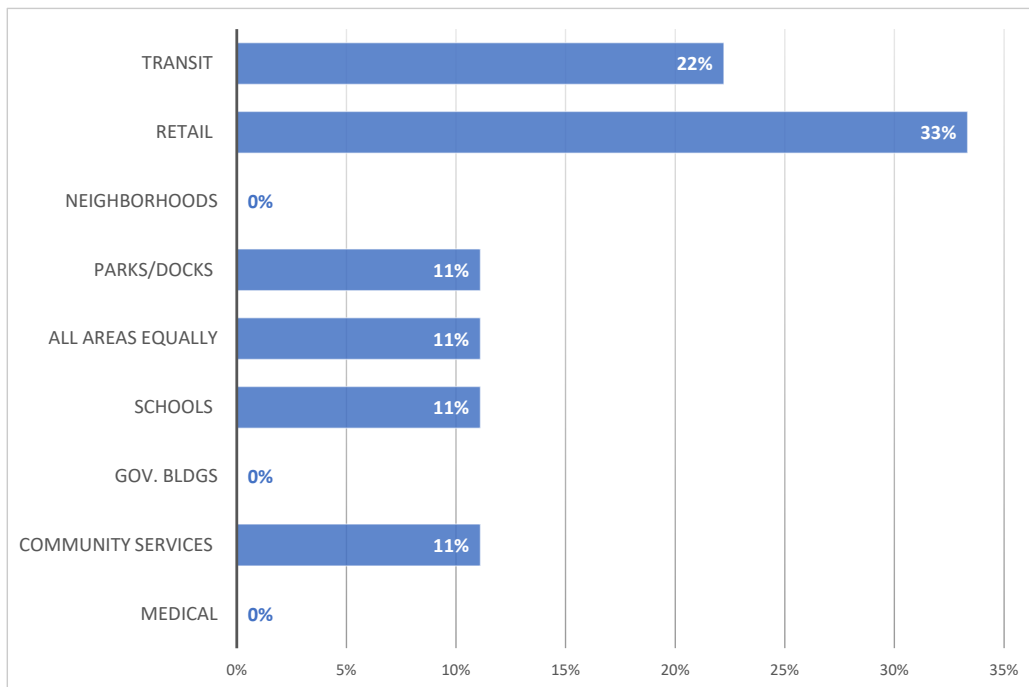
- Most noted sidewalks and issues in parks
- Vehicles in crosswalks/sidewalks/pedestrian shoulders
- Wide streets that impact crossing and encourage speeding
- Lack of ADA parking

3. Priorities

What locations/areas were noted as priority destinations from the general survey



What locations/areas were noted as priority destinations for those supporting or with a disability



Cross-Tab with those with Disabilities or Supporting someone with a Disability

- Lack of ADA parking was identified as the highest barrier to access as compared to a lack of sidewalk in the larger sample
- Access to Retail and Transit were ranked as the highest priorities
- Lack of parking was noted as the top barrier in this cross-tab in comparison to sidewalks noted in the overall
- Parks, parking, and limitations on resources (access to lift/elevator in school), lack of disability areas or resources were also noted as barriers

ATTACHMENT C – ISSUES IDENTIFIED THROUGH THE SURVEY, MAPPING TOOL, AND FOCUS GROUP/INTERVIEWS

Survey Comments

Location	Comment	Sidewalks	Crosswalks	Signals	Curb ramps	Building Barriers	Barriers in parks	Transit Stop	Vehicle conflicts	Parking	Other
South Mercer Playfields Playground	Barrier to entering the playground.						1				1
Pioneer Park	I like to "walk" in the park, but off-leash dogs jump on my chair and scare me.						1				1
The sidewalk on 40th in front of Homestead field	Cars park on the sidewalk blocking access in the bus pullout area. Please ticket these vehicles and place no parking on sidewalk signage.	1					1		1		
Mercer Island	Sidewalks are missing or damaged - e.g., cracks, discontinuities, etc.	1									
Lack of crosswalk on 76th Avenue in front of Aljoja	This is a very dangerous situation that should have been remedied shortly after the facility was built. Additionally, there is no wheelchair ramp at the curbside parking in front of the building.		1								
Sidewalks on 77th and 78th in the downtown core.	Uneven or crumbling sidewalks that challenge wheelchair mobility. Ambulatory people can simply step over these obstacles or use the roadway if necessary. A wheelchair cannot avoid these impediments, especially around tree roots affecting sidewalks.	1									
Mary Wayte pool	No changing room and shower for disabled teens/adults. No place to watch swimming other than upstairs bleachers. No water activities for disabled children with mobility issues.						1				1

Location	Comment	Sidewalks	Crosswalks	Signals	Curb ramps	Building Barriers	Barriers in parks	Transit Stop	Vehicle conflicts	Parking	Other
Sidewalks along Island Crest Way North of 40th St	These sidewalks are very narrow, uncomfortably close to the roadway, and have occasional trip hazards	1									
SE 82nd St to West Mercer Way to Merrimount Dr., to SE 40th St	No bus stops (all removed), No place to park cars along W. Mercer Way when neighborhood roads are too icy and steep, and too many cars (growth of more homes with no improvement to infrastructure to handle the growth on icy, snowy days). Construction trucks blocking roads and workers littering roads.	1						1			
Sidewalks in downtown		1									
77th Avenue SE in Town Center	Street and street lanes are too wide for safe crossing, especially for older residents and residents with young children. Center lane needs to be removed. As a resident over seventy, Town Center is a very dangerous place to walk.		1						1		
South end	Lack of sidewalks or unlevelled or narrow sidewalks	1									
Wheelchair lift at Mercer Island High School	When I was an MIHS student and in a wheelchair, I was not allowed to use the wheelchair lift. It may have been broken, or they might not have wanted to bother helping me.					1					1
Luther Burbank Park	Numerous issues						1				1
Gravel path on 84th from 36th Street to Upper Luther Burbank open space	Please put No parking signs. Cars park on path forcing peds/bikes into middle of road.	1					1		1	1	
Aljoia and The Mercer Apartment complex	Lack of wheelchair ramp to back parking area behind Aljoia and The Mercer Apartment complex					1				1	

Location	Comment	Sidewalks	Crosswalks	Signals	Curb ramps	Building Barriers	Barriers in parks	Transit Stop	Vehicle conflicts	Parking	Other
7605 SE 27th St, Mercer Island	My wheelchair van requires I load/unload on the right side. The single disabled parking stall requires my driver to back in, so my ramp opens up on the large cement sidewalk in front of Hair Excel. Parking straight-in does not provide enough space for my ramp to extend and my chair to not contact a car parked adjacent.									1	
High school sports field/stadium	No disabled family area to watch football game and other sports.						1				1
W Mercer Way & 78th Ave SE	Motorcycles and bikers obstruct W Mercer Way. This is a narrow road with many blind curving spots. Bikers ride side-by-side, causing vehicles to bypass into oncoming lane and blind curves. Motorcycle cross into on-coming lane to bypass vehicles, forcing vehicle into narrow pedestrian shoulder.	1							1		1
SE 27th Street in Town Center	Street and street lanes are too wide for safe crossing, especially for older residents and residents with young children. This encourages traffic to go too fast on this street, making it very dangerous for residents of all ages. Center lane needs to be removed.		1						1		
Town center	Need a few more handicapped spaces on city streets									1	
Deane's Children's Park	Numerous Issues						1				
Mercerdale Park restrooms	Door is too heavy for a person with disabilities to open. Please lighten the weight of the door.					1	1				
Totals		9	3	0	0	3	9	1	5	4	7

Focus Group/Interview Questions

General and Specific Location Comments

While most attendees responded to the survey, they reiterated some of the same comments raised in the survey. Group members suggested that to understand disability issues better, administrators and planners at the City should experience spending time in wheelchairs and attempting to use the transportation system. Comments raised by focus group members are noted below:

GENERAL COMMENTS

Sidewalks and Curb Ramps – When designing sidewalks and curb ramps, consider exceeding the minimum standards. Designers should consider that in many cases, people may be walking with a partner. Design standards are prescribed as "minimums," so consider the benefits of increasing widths when and where it could be beneficial.

ADA Restrooms – Public and private restrooms should be upgraded and modified to meet standards and be made large enough to accommodate a personal assistant. Gender-neutral bathrooms can accommodate people assisting. When bathrooms are updated, they should be upgraded throughout to meet ADA standards. Bathroom doors should be easy (not heavy) to open, and doorknobs should be up to code.

Quality of Sidewalks/Walkways – Small bumps in the sidewalk may meet design tolerances but, if possible, should be reduced or eliminated. Small bumps can be difficult and painful (for example, in a wheelchair) to navigate for some. These bumps may be in doorway frames or part of broken/bumpy sidewalks. Cracks and holes (like holes for utilities) in sidewalks need to be filled. Steep slopes and uneven sidewalks are very difficult to maneuver for people using crutches.

Shared use of spaces for pedestrians – There are "tensions" in pathways where parking occurs in the same space where pedestrians and cyclists are expected to travel. These may appear to be shoulders like on Island Crest Way, where roadway shoulders are expected to be used for parking, biking, and walking. Areas are not well marked to restrict parking, and vehicles use the path/space that pedestrians and cyclists are expected to use. Some gravel paths may provide a walkway near roadways where sidewalks adjacent to streets are not provided. Gravel pathways may be bumpy, uneven, and less desirable, especially for those using wheels and as a result, vulnerable pedestrians may choose the roadway.

Design Standards – While design standards are evolving and are helpful in specifically setting minimum design widths, it should not limit providing greater/wider facilities. For example, if the width of a restroom is prescribed in design standards, it should not restrict providing wider facilities if opportunities present themselves. This may be considered in the future development of the **Aubrey Davis Park** restrooms. Similarly, the City could exceed recommendations/standards for accessible on street parking.

How is Maximum Extent Feasible applied – How is the City addressing intersections where existing grade makes it challenging to meet full ADAAG for pedestrians (for example SE 40th Street at 86th Ave SE)

ADA Restrooms/Parking – It would be good to publish or make available a map of ADA-accessible restrooms and ADA parking.

ADA Accommodation at Signals – While the City does not own or operate the signals on the Island, they should be upgraded to include accommodations for those with disabilities, including buzzing, beeping when push buttons are used. Signals should be timed to accommodate long pedestrian crossing times specifically adjacent to high pedestrian destinations like transit. Consider downtown intersections, City Hall Area, Island Crest Way and SE 40th Street.

SPECIFIC ISSUES RELATED TO BUILDINGS & PARKS/ADA ACCESS

Mercedale Park. The restroom doors at Mercedale Park are difficult to open, especially for those with disabilities.

ADA parking related to restrooms, parks, and retail buildings – There is a lack of ADA parking at parks like **Pioneer Park** and adjacent to retail areas, specifically the recycle center near **Mercedale Park**.

City Center ADA Parking – More accessible parking spaces in town city center are needed specifically streets off Island Crest Way in City Center (27th and 28th)

Pioneer Park Parking/ADA Restrooms - Time-limited ADA parking adjacent to gender-neutral restrooms that can accommodate wheelchairs and a support person would be welcome. This could serve many with disabilities that may need restroom relief.

Pioneer Park is an especially desirable park for those with disabilities, as it provides smooth and level trails. Parking and access to this park are inconvenient. If people park across the street, there are limited and inconvenient areas to cross the streets to access the park. Protected mid-block (signal-controlled) crossings would be desirable.

76th Avenue SE at SE 27th Street ADA Parking Challenges – The ADA stall serving this retail area is not wide enough to deploy a wheelchair ramp from the passenger side. From the right passenger side, deploying a ramp could hit cars in the adjacent space. A driver currently needs to back the vehicle into the space so the passenger can deploy the ramp, and it currently loads onto the sidewalk.

Police Department Building Access – Access to buildings and City services should ensure full access for all. In the past, the secured police area of city hall was only accessible by using a phone on the wall, which is not accessible for those with hearing issues. It was also noted that the phone was located at a height that may not have been reachable to all. We will need to confirm if this issue has been resolved.

Access to captioning for City programs – Closed captioning should be provided automatically for all virtual public meetings. To date, captioning has been inconsistent. The pandemic and reliance on virtual meetings exacerbate this issue. Web sites should also be tested for accessibility.

Mercer Island Community Center – The door for access on the central plaza has an inconvenient pushbutton causing users to circulate after pushing the button. The button is on the right but opens into the user. Can it be located left of the door as you enter?

Parks and Leash Laws – Unleashed dogs in parks requiring leashes are not often enforced. Loose dogs can be an impediment or even a threat for all that walk/bike/roll in Mercer Island's parks. There may be opportunities for educational outreach.

SPECIFIC LOCATIONS RELATED TO PUBLIC RIGHT OF WAY
(SIDEWALKS, CROSSWALKS, CURB AND SIGNALS)

Intersection Conflicts Near Schools – Some signal-controlled intersections where there are right-turning vehicles during the green phase have conflicts with pedestrians. Leading pedestrian intervals may help to better accommodate pedestrians. Specifically, **SE 40th Street at 86th Avenue SE and SE 40th Street at Island Crest Way** have pedestrian conflicts vehicles. Schools have used bus routings to reduce pedestrian/school travel through the intersection of **SE 40th Street at Island Crest Way**. It might help to provide a gap or return interval for pedestrians. **SE 40th at Island Crest Way** has a long cycle time, increasing wait times for pedestrians if they miss the ped call. More sidewalks are needed to complete all gaps in town center and along Island Crest Way.

Residential Areas without Sidewalks – While many residential areas do not include sidewalks, it is good that sidewalks are provided near and leading to schools.

Bus stop issues – When service returns to normal and as part of ST planning how will the system meet accessibility? There are already access issues for bus stops for the 204 and 630 Metro routes.

Presbyterian Church Park and Ride – There is no accessible path from the parking lot to Island Crest Way boarding area.

North Mercer Way – Consider crossing times and accessible signals surrounding the Park and Ride.

Island Crest Way – Widen Skinny sidewalks along Island Crest Way.

78th SW near the Post Office – Tree roots have broken up the sidewalk and make it difficult to walk or roll. Pedestrians may opt to walk in the road to avoid the cracked sidewalks, which is not an option for those in wheelchairs.

70th Avenue SE at West Mercer Way – Parking impacts pedestrian facilities. It would help to post signs for no parking or note shoulder use for bikes and peds on East Mercer Way and West Mercer Way.

84th Avenue Gravel Shoulder/West Side East Mercer Way – Near Luther Burbank Park, there is a gravel path that is not smooth but is intended for sidewalks for pedestrians. It is often used for vehicle parking. Also, the path should be used instead of the roadway on the curved path parallel to S. 84th Ave SE. Signs should be installed to direct people to the path, which is safer.

68th Ave at QFC/Starbucks Entrance – There is no marked crosswalk that connects from the sidewalk to the trail connection into Pioneer Park.

Comments That May Not Be Addressed by the Plan

Access to schools – While only partially covered by this plan, it was noted that access to schools and around schools seems good. The ADA Plan would include public right-of-way sidewalks and intersections access to the school.

Covenant Church on 78th Ave SE – A tree grate near the church has been removed and should be replaced as it is a tripping hazard.

Consider overlap with other jurisdictions – Share feedback and consider overlap on facilities that are developed by others like Sound Transit, Metro, and other providers.

Private Development – Consider encouraging private retail developers to come up to code to meet accessibility requirements. Like City standards, encourage retailers and developers to “exceed” standards for restroom stall size and ADA parking.

ATTACHMENT D – FOCUS GROUP GUIDE

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City of Mercer Island

Focus Group Facilitation Guide

City of Mercer Island ADA Transition Plan Focus Group

Date: September 30, 2021

Location: – Virtual via Zoom

Purpose and Goals

Gain deeper insight on ADA issues at public facilities and within the Public Right of Way from City of Mercer Island volunteers and expand on priorities and issues identified in the online survey.

The meeting(s) will be held via zoom or conducted as an individual interview by phone.

Recruiting Members

City will recruit from survey respondents and potential other interested parties. Based on the survey, eight people have volunteered to participate in a focus group. City will provide accommodations requested including alternative formats, sign language interpreters and support notetaking.

Agenda and Welcome

- **Welcome and acknowledge/thank participants and provide brief purpose of meeting– Lia Klein (5 - 10 Minutes)**
- **Introductions – All (5 minutes)**
- **Ground Rules – Jeanne (5 Minutes)**
- **Discussion of the outreach results and Description ADA Transition Planning (via PowerPoint) – Patrick (10 Minutes)**
- **Workshop – Jeanne and all (up to 60 minutes)**
- **In depth discussion and concurrence on top barriers and priorities.**
- **Next Steps**

Lia

Welcome and Purpose

Today we are going to take a deeper dive with all of you on different aspects of accessibility including different locations and types of issues. We want to ask you more about your experiences to explore specific issues and priorities identified in the online survey and open house.

Introductions:

Please take a few minutes to tell us about yourself and why you are here today. What is your interest in this project?

Jeanne

Ground Rules:

We will be using Closed Captioning through zoom. If you need us to slow down, please raise your hand. Also please stop us if there if you need clarifications. As noted, we are recording the meeting to support meeting notes. This recording will not be saved after we summarize the results. We can provide a

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summary to you for review if you like. We may also reach out to other stakeholders to support this outreach.

Any questions?

We have planned this focus group to last an hour and a half to two hours. During this time, we have several questions that we would like to cover. We want everyone to take part in the discussion; however, you do not have to respond to every question. Also, feel free to respond to what others are saying—whether you agree or disagree. If you have been speaking a lot, wait a bit before speaking again to allow others a turn. We are genuinely interested in your experiences with barriers to pedestrian access and access to public facilities; therefore, there are no right or wrong answers. If time begins to run short, it may be necessary to interrupt you in order to complete the questions or move to the next discussion.

We will be using some limited graphical materials and a PowerPoint which you have received. We will do our best to describe them, but please feel free to ask questions.

We will treat your answers as confidential. We will not ask for personally identifiable information. While we may use names during this discussion, we will replace names in the transcript after our discussion. We also will not include your names or other personally identifiable information in any reports we write. We ask that each of you respect the privacy of everyone on this call and not share or repeat what is said here in any way that could identify anyone in this room. We would like to see you and have you see us. If you can leave your camera on, that would be helpful.

Please feel free to take a break as you need to. We can take a break if we need to roughly at the ½ hour mark.

Patrick

[About Transition Plans](#)

The Transition Plan addresses potential deficiencies to improve mobility in the public right of way including access issues along sidewalks, curb ramps, signals, and transit stops within and adjacent to public roadways and access to services at public buildings and parks.

For the Mercer Island, this plan is focused on providing access to resources and services (like Government Buildings or Community Services) and specifically barriers in the public right of way (mostly within pedestrian facilities) that impede access or the features within public buildings like door operations and access or accessibility at parks like water fountains.

Barriers can be temporary like maintenance issues or due to gaps or missing infrastructure.

A transition plan will be developed after completing an inventory of facilities, this public outreach process and a review of the City's current processes for improving facilities. This plan will outline a strategy for making improvements considering several factors such as the extent of deficiencies, identified needs, proximity to certain facilities, requests and complaints by the community, available budget, and a realistic schedule. This focus group will be an in-depth discussion. Please use the raise your hand feature at any time if you would like us to repeat anything or to ask questions. We will also monitor the chat box for your questions and comments.

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Outreach Efforts and Summary to Date

Online open house and City “Let’s Talk” promoted a survey open from July 4 thru Sept 14. We promoted the survey as follows:

- Advertised on Website & Online Open House
- Promoted through Social Media Channels
- Article in the Mercer Island Reporter
- Translation included Spanish Chinese

Now we are seeking deeper feedback through this Focus Group which explores

- Where are the barriers?
- What types of facilities are priorities (where would you invest)?
- Which locations are priorities?

Jeanne

Materials

We will use this PowerPoint to help facilitate discussions.

- Power point presentation of the outreach to date (We will read every slide and provide in an accessible PDF format)

We will clarify the types of facilities covered by this plan (for example not schools but sidewalks near schools). We will spend our time considering the types of issues that people have raised and the impact those issues have on accessing facilities that provide public and community services. Specifically, these services include schools and institutions, parks, government buildings that provide access to community service, other government buildings and transit.

We should note that there were a relatively small number of respondents but almost half with disabilities or that support those with disabilities. This is why your responses are also important input. Four noted that barriers impact how they travel or access services and facilities.

Series 1 –Let’s talk about issues and barriers to access - 15-20 minutes
<p>Facilitator Narrative: First any surprises from the survey? Let’s talk about the issues to barriers that have been raised to date. (Review barrier types people have mentioned – broken sidewalks, maintenance, lack of crosswalks</p>
<p>Questions: Concerns we have heard about:</p> <ul style="list-style-type: none"> • Most were related to missing, uneven, or unmaintained sidewalks or barriers like parked cars in sidewalks • Other issues noted were crosswalks and crossing streets that are too wide or encourage speeding. • Some were related to doors and access to buildings.

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<ul style="list-style-type: none"> • For those with disabilities/supporting a person with disabilities, lack of parking was noted. • A few were related to the types of programs provided or at facilities the City is not responsible for. We will pass those comments on. <p>What other issues and concerns do you experience when traveling to public facilities, buildings with community services and within the public right of way? How do these barriers impact your travel?</p>
<p>Additional probing questions for respondents.</p> <ul style="list-style-type: none"> - Which of these barriers do you experience? - How are they problematic? How often do you experience them and how much does it impact your travel? - Were you surprised at the different perspectives between those with disabilities and those without as far as barriers? - Do different people experience these barriers differently? - Is this a priority or severity of one or some of these issues as compared to others?
<p>NOTES:</p>
<p>Series 2 –Let’s talk about locations where access is most important 15-20 minutes</p>
<p>Facilitator Narrative:</p> <p>Let’s talk about locations, and specifically services and resources where there may be barriers to access. Notably from the survey, transit and government buildings that provide public services were most identified as priorities for having good access. For those who indicated they have a disability, access to parking and lack of ADA specific parking where noted.</p>
<p>Questions:</p> <p>Were you surprised at the difference between perspectives for those with disabilities as compared to those supporting people or without disabilities?</p> <p>How many use transit frequently? Where? What kinds of barriers do you observe near transit facilities on Mercer Island?</p> <p>What other issues and concerns do you experience?</p>
<p>Additional probing questions.</p> <ul style="list-style-type: none"> - Are there barriers or access issues for accessing parks, using docks? Where are they? - Which parks, schools, community services and institutions are problems to access? - Which buildings have challenges (e.g., stairways, doorways, fountains etc.)?
<p>NOTES:</p>

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Series 3—Let’s talk about priorities 15-20 minutes
<p>Facilitator Narrative: Part of our task in developing the ADA transition plan will be to identify what to fix first with limited resources? It is likely our needs will outweigh our resources. Where would you invest?</p>
<p>Questions: First what types of issues are most important to fix?</p> <ul style="list-style-type: none"> • Fixing facilities Completing sidewalks • Improve Crosswalks • Enhance Safety • Curb Ramps • Pathways serving Transit • Signal Timings, signal improvements and crosswalks • Doorway access • Accommodations at meetings • Other fixed facilities in buildings missing ramps/stairs/doors/water fountains <p>Where should we focus our energy?</p> <ul style="list-style-type: none"> • Government Buildings that provide community services • City Parks/docks/trails • Downtown urban areas • Residential neighborhoods • Accessing transit • Other locations • All areas equally <p>Which is your highest priority and why?</p>
<p><i>NOTES:</i></p>

Appendix F - Cost Estimate Backup



Planning Level Cost Estimate - Right-of-Way

PROJECT NAME: Mercer Island ADA Transition Plan
 TG PROJECT NUMBER: 1.21012.00

NOTE: This cost estimate is planning level in nature. It should be considered preliminary and for planning purposes only. It specifically excludes structural impacts to buildings and parking structures, inflation, and sales tax. Potential items such as retaining walls, earthwork, etc., are assumed to be included in the planning level estimate contingency unless otherwise indicated.

When features require multiple improvements, the cost of the smaller component is included in the larger task. (i.e. detectable warning surface is included with curb ramp reconstruction.)

Item No.	ADA Deficiency	Improvement Type	Quantity	Unit	Unit Price	Total Price
Sidewalk Improvements						
1	Non-compliant sidewalk (width, condition, slope, etc.)	Reconstruct existing sidewalk/paved shoulder walkway	56,005	SY	\$ 145	\$ 8,121,000
2	Non-compliant driveway (slope, grade break, etc.)	New driveway with sidewalk	326	EA	\$ 2,900	\$ 946,000
Subtotal						\$ 9,067,000

Maintenance/Miscellaneous						
3	Non-compliant vertical discontinuity (>1/4in - <=1/2in w/out bevel)	Sidewalk grinding (5 LF of sidewalk).	349	EA	\$ 250	\$ 88,000
4	Non-compliant vertical discontinuity (>1/2in)	Replace two adjacent sidewalk panels (5ft x 5ft panels)	170	EA	\$ 806	\$ 137,000
5	Non-compliant horizontal discontinuity	Sidewalk crack sealing/grouting (5LF per occurrence)	9,375	LF	\$ 5	\$ 47,000
6	Fixed Obstacles	Relocation of obstacles including utility pole, mailbox, tree trunk, etc.	500	EA	\$ 3,000	\$ 1,500,000
7	Moveable Obstacles	Relocation of obstacles including tree/bush (prunable), message boards, parked cars, etc.	97	EA	\$ 200	\$ 20,000
8	Protruding Obstacles	Relocation of obstacles including of bush/tree, signs, awnings etc.	516	EA	\$ 500	\$ 258,000
Subtotal						\$ 2,050,000

Curb Ramp Improvements						
9	Missing curb ramps	Install new curb ramp.	105	EA	\$ 6,000	\$ 630,000
10	Non-compliant ramp (running slope, cross slope, ramp width, flare slope, lip, grade break, etc.)	Remove and reconstruct existing ramp.	600	EA	\$ 6,000	\$ 3,600,000
11	Curb ramps without detectable warning surface (DWS), non-compliant DWS placement, non-compliant DWS depth, or non-compliant DWS Width	Install/replace detectable warning surface.	9	EA	\$ 1,030	\$ 10,000
Subtotal						\$ 4,240,000

Pushbutton Improvements						
12	Non-APS pushbutton and pushbutton is located incorrectly.	Install new APS pushbutton AND Install new pole.	72	EA	\$ 5,900	\$ 425,000
13	APS pushbutton that has non-compliant dimensions and/or programming and located incorrectly.	Reprogram pushbutton, reorient pushbutton, and/or install tactile arrow AND Install new pole and relocate pushbutton.	8	EA	\$ 3,700	\$ 30,000
14	APS pushbutton located incorrectly.	Install new pole and relocate pushbutton.	3	EA	\$ 3,500	\$ 11,000

15	APS pushbutton that has non-compliant dimensions and/or programming	Reprogram pushbutton, reorient pushbutton, and/or install tactile arrow.	1	EA	\$ 200	\$ 1,000
Subtotal						\$ 467,000
Bus Stop Improvements						
16	Non-compliant bus shelter turning space cross slope	Replace bus shelter pad (7.5 SY per occurrence).	23	SY	\$ 180	\$5,000
17	Non-compliant bus stop boarding area (running slope, cross slope, size, and/or condition)	Replace/construct boarding area (8ftx5ft) and two transition panels (5ftx5ft) - 10 SY per occurrence.	1,240	SY	\$ 145	\$180,000
Subtotal						\$ 185,000
Accessible Parking Improvements						
18	Non-compliant parking stall/parking aisle slope.	Grind surface and/or add asphalt lift.	5	EA	\$ 2,000	\$10,000
19	Non-compliant accessible parking stall/parking aisle width or pavement marking.	Install parking stall accessible symbol/aisle pavement markings or resize and restripe stall/aisle.	2	EA	\$ 200	\$1,000
20	Non-compliant sign height or no sign indicating accessible stall.	Install new sign or adjust existing sign.	0	EA	\$ 100	\$0
Subtotal						\$ 11,000
Total						\$ 16,020,000
Contingency @ 20%						\$ 3,204,000
Design @ 12%						\$ 1,923,000
Mobilization @ 8%						\$ 1,282,000
TESC + Traffic Control @ 12%						\$ 1,923,000
Construction Management @ 20%						\$ 3,204,000
Right-of-Way @ 20%						\$ 3,204,000
Grand Total 2021 Dollars						\$ 30,760,000



Planning Level Cost Estimate - Parks

PROJECT NAME: Mercer Island ADA Transition Plan
 TG PROJECT NUMBER: 1.21012.00

NOTE: This cost estimate is planning level in nature. It should be considered preliminary and for planning purposes only. It specifically excludes structural impacts to buildings and parking structures, inflation, and sales tax. Potential items such as retaining walls, earthwork, etc., are assumed to be included in the planning level estimate contingency unless otherwise indicated.

When features require multiple improvements, the cost of the smaller component is included in the larger task. (i.e. detectable warning surface is included with curb ramp reconstruction.)

Item No.	ADA Deficiency	Improvement Type	Quantity	Unit	Unit Price	Total Price
Sidewalk Improvements						
1	Non-compliant sidewalk (width, condition, slope, etc.)	Reconstruct existing sidewalk/paved shoulder walkway	22,035	SY	\$ 145	\$ 3,196,000
Subtotal						\$ 3,196,000
Maintenance/Miscellaneous						
2	Non-compliant vertical discontinuity (>1/4in - <=1/2in w/out bevel)	Sidewalk grinding (5 LF of sidewalk).	105	EA	\$ 250	\$ 27,000
3	Non-compliant vertical discontinuity (>1/2in)	Replace two adjacent sidewalk panels (5ft x 5ft panels)	70	EA	\$ 806	\$ 57,000
4	Non-compliant horizontal discontinuity	Sidewalk crack sealing/grouting (5LF per occurrence)	1,605	LF	\$ 5	\$ 9,000
5	Fixed Obstacles	Relocation of obstacles including utility pole, mailbox, tree trunk, etc.	35	EA	\$ 3,000	\$ 105,000
6	Moveable Obstacles	Relocation of obstacles including tree/bush (prunable), message boards, parked cars, etc.	18	EA	\$ 200	\$ 4,000
7	Protruding Obstacles	Relocation of obstacles including of bush/tree, signs, awnings etc.	88	EA	\$ 500	\$ 44,000
Subtotal						\$ 246,000
Curb Ramp Improvements						
8	Missing curb ramps	Install new curb ramp.	12	EA	\$ 6,000	\$ 72,000
9	Non-compliant ramp (running slope, cross slope, ramp width, flare slope, lip, grade break, etc.)	Remove and reconstruct existing ramp.	49	EA	\$ 6,000	\$ 294,000
10	Curb ramps without detectable warning surface (DWS), non-compliant DWS placement, non-compliant DWS depth, or non-compliant DWS Width	Install/replace detectable warning surface.	1	EA	\$ 1,030	\$ 2,000
Subtotal						\$ 368,000
Staircase Improvements						
11	Non-compliant staircase (riser, tread, slope, etc.)	Replace concrete staircase (per 1ft width of step).	366	LF	\$ 100	\$37,000
12	Non-compliant handrail or missing handrail (height, diameter, extensions, etc.)	Replace handrail.	571	LF	\$ 150	\$86,000
Subtotal						\$ 123,000
Wheelchair Ramp Improvements						
13	Non-compliant ramp (width, slope, landing, etc.)	Replace ramp	114	SY	\$ 190	\$22,000
14	Non-compliant handrail (height, diameter, extensions, etc.) or missing handrail	Replace handrail	260	LF	\$ 150	\$39,000
Subtotal						\$ 61,000
Accessible Parking Improvements						
15	Non-compliant parking stall/parking aisle slope.	Grind surface and/or add asphalt lift.	95	EA	\$ 2,000	\$190,000
16	Non-compliant accessible parking stall/parking aisle width or pavement marking.	Install parking stall accessible symbol/aisle pavement markings or resize and restripe stall/aisle.	23	EA	\$ 200	\$5,000

17	Non-compliant sign height or no sign indicating accessible stall.	Install new sign or adjust existing sign.	32	EA	\$ 100	\$4,000
						Subtotal \$ 199,000
						Total \$ 4,193,000
						Contingency @ 20% \$ 839,000
						Design @ 12% \$ 504,000
						Mobilization @ 8% \$ 336,000
						TESC + Traffic Control @ 12% \$ 504,000
						Construction Management @ 20% \$ 839,000
						Grand Total 2021 Dollars \$ 7,220,000



Planning Level Cost Estimate - Right-of-Way

PROJECT NAME: Battle Ground ADA Transition Plan
 TG PROJECT NUMBER: 121034.00

NOTE: This cost estimate is planning level in nature. It should be considered preliminary and for planning purposes only. It specifically excludes right-of-way acquisition and all associated costs, structural impacts to buildings and parking structures, and sales tax. Potential items such as retaining walls, earthwork, etc., are assumed to be included in the planning level estimate contingency unless otherwise indicated.

This planning cost estimate covers only the pedestrian features within the first stage of data collection.

Quantity by Priority

Feature	Low		Medium		High		Very High		Total
	1-15 (0-10 hazards)	%	16-30 (11-20 hazards)	%	31-45 (21-30 hazards)	%	46+ (31+ hazards)	%	
Sidewalks (SY)	538	1%	17,783	32%	23,347	42%	14,336	26%	56,005
Driveways (EA)	16	5%	126	39%	127	39%	57	17%	326
Non-compliant vertical discontinuity (EA)	7	1%	72	14%	214	41%	226	44%	519
Non-compliant horizontal discontinuity (LF)	105	1%	1,680	18%	3,170	34%	4,420	47%	9,375
Fixed Obstacles (EA)	6	1%	59	12%	173	35%	262	52%	500
Moveable Obstacles (EA)	6	6%	32	33%	35	36%	24	25%	97
Protruding Obstacles (EA)	14	3%	127	25%	222	43%	153	30%	516
Curb Ramps (EA)	0	0%	25	4%	190	27%	499	70%	714
Pushbuttons (EA)	0	0%	1	1%	25	30%	58	69%	84
Bus Stops (SY)	40	3%	638	50%	440	35%	145	11%	1,263
Parking (EA)	0	0%	1	33%	1	33%	1	33%	3

Cost by Priority

Feature	Low		Medium		High		Very High		Total
	1-15 (0-10 hazards)	%	16-30 (11-20 hazards)	%	31-45 (21-30 hazards)	%	46+ (31+ hazards)	%	
Sidewalks (SY)	\$ 77,997	1%	\$ 2,578,580	32%	\$ 3,385,315	42%	\$ 2,078,764	26%	\$ 8,121,000
Driveways (EA)	\$ 46,400	5%	\$ 365,400	39%	\$ 368,300	39%	\$ 165,300	17%	\$ 946,000
Non-compliant vertical discontinuity (EA)	\$ 2,306	1%	\$ 33,556	15%	\$ 87,389	39%	\$ 100,944	45%	\$ 225,000
Non-compliant horizontal discontinuity (LF)	\$ 525	1%	\$ 8,400	18%	\$ 15,850	34%	\$ 22,100	47%	\$ 47,000
Fixed Obstacles (EA)	\$ 18,000	1%	\$ 177,000	12%	\$ 519,000	35%	\$ 786,000	52%	\$ 1,500,000
Moveable Obstacles (EA)	\$ 1,200	6%	\$ 6,400	32%	\$ 7,000	35%	\$ 4,800	24%	\$ 20,000
Protruding Obstacles (EA)	\$ 7,000	3%	\$ 63,500	25%	\$ 111,000	43%	\$ 76,500	30%	\$ 258,000
Curb Ramps (EA)	\$ -	0%	\$ 140,060	3%	\$ 1,105,210	26%	\$ 2,994,000	71%	\$ 4,240,000
Pushbuttons (EA)	\$ -	0%	\$ 5,900	1%	\$ 123,600	27%	\$ 335,600	72%	\$ 466,000
Bus Stops (SY)	\$ 5,800	3%	\$ 92,700	50%	\$ 63,800	35%	\$ 21,550	12%	\$ 184,000
Parking (EA)	\$ -	0%	\$ 4,000	36%	\$ 4,200	38%	\$ 2,200	20%	\$ 11,000

	Low 1-15	Medium 16-30	High 31-45	Very High 46+	Total
Total	\$ 160,000	\$ 3,476,000	\$ 5,791,000	\$ 6,588,000	\$ 16,018,000
Contingency @ 20%	\$ 32,000	\$ 696,000	\$ 1,159,000	\$ 1,318,000	\$ 3,204,000
Design @ 12%	\$ 20,000	\$ 418,000	\$ 695,000	\$ 791,000	\$ 1,923,000
Mobilization @ 8%	\$ 13,000	\$ 279,000	\$ 464,000	\$ 528,000	\$ 1,282,000
TESC + Traffic Control @ 12%	\$ 20,000	\$ 418,000	\$ 695,000	\$ 791,000	\$ 1,923,000
Const. Management @ 20%	\$ 32,000	\$ 696,000	\$ 1,159,000	\$ 1,318,000	\$ 3,204,000
Right-of-way @ 20%	\$ 32,000	\$ 696,000	\$ 1,159,000	\$ 1,318,000	\$ 3,204,000
Grand Total	\$ 309,000	\$ 6,679,000	\$ 11,122,000	\$ 12,652,000	\$ 30,758,000

Planning Level Cost Estimate - Parks

PROJECT NAME: Battle Ground ADA Transition Plan
 TG PROJECT NUMBER: 121034.00



NOTE: This cost estimate is planning level in nature. It should be considered preliminary and for planning purposes only. It specifically excludes right-of-way acquisition and all associated costs, structural impacts to buildings and parking structures, and sales tax. Potential items such as retaining walls, earthwork, etc., are assumed to be included in the planning level estimate contingency unless otherwise indicated.

This planning cost estimate covers only the pedestrian features within the first stage of data collection.

Quantity by Priority

Feature	Low		Medium		High		Very High		Total
	1-15 (0-10 hazards)	%	16-30 (11-20 hazards)	%	31-45 (21-30 hazards)	%	46+ (31+ hazards)	%	
Sidewalks (SY)	775	4%	7,052	32%	13,451	61%	756	3%	22,035
Non-compliant vertical discontinuity (EA)	10	6%	38	22%	98	56%	29	17%	175
Non-compliant horizontal discontinuity (LF)	80	5%	515	32%	630	39%	380	24%	1,605
Fixed Obstacles (EA)	1	3%	6	17%	18	51%	10	29%	35
Moveable Obstacles (EA)	0	0%	3	17%	12	67%	3	17%	18
Protruding Obstacles (EA)	2	2%	28	32%	49	56%	9	10%	88
Curb Ramps (EA)	0	0%	1	2%	12	19%	49	79%	62
Staircases (EA)	3	7%	9	22%	29	71%	0	0%	41
Wheelchair Ramps (EA)	0	0%	2	22%	7	78%	0	0%	9
Parking (EA)	0	0%	8	14%	44	79%	4	7%	56

Cost by Priority

Feature	Low		Medium		High		Very High		Total
	1-15 (0-10 hazards)	%	16-30 (11-20 hazards)	%	31-45 (21-30 hazards)	%	46+ (31+ hazards)	%	
Sidewalks (SY)	\$ 112,436	4%	\$ 1,022,603	32%	\$ 1,950,368	61%	\$ 109,692	3%	\$ 3,196,000
Non-compliant vertical discontinuity (EA)	\$ 4,167	5%	\$ 18,944	23%	\$ 47,278	57%	\$ 12,250	15%	\$ 83,000
Non-compliant horizontal discontinuity (LF)	\$ 400	4%	\$ 2,575	29%	\$ 3,150	35%	\$ 1,900	21%	\$ 9,000
Fixed Obstacles (EA)	\$ 3,000	3%	\$ 18,000	17%	\$ 54,000	51%	\$ 30,000	29%	\$ 105,000
Moveable Obstacles (EA)	\$ -	0%	\$ 600	15%	\$ 2,400	60%	\$ 600	15%	\$ 4,000
Protruding Obstacles (EA)	\$ 1,000	2%	\$ 14,000	32%	\$ 24,500	56%	\$ 4,500	10%	\$ 44,000
Curb Ramps (EA)	\$ -	0%	\$ 1,030	0%	\$ 72,000	20%	\$ 294,000	80%	\$ 368,000
Staircases (EA)	\$ 6,475	5%	\$ 49,375	40%	\$ 66,350	54%	\$ -	0%	\$ 123,000
Wheelchair Ramps (EA)	\$ -	0%	\$ 15,802	26%	\$ 43,377	72%	\$ -	0%	\$ 60,000
Parking (EA)	\$ -	0%	\$ 25,100	13%	\$ 157,200	79%	\$ 15,500	8%	\$ 198,000

	Low 1-15	Medium 16-30	High 31-45	Very High 46+	Total
Total	\$ 128,000	\$ 1,169,000	\$ 2,421,000	\$ 469,000	\$ 4,190,000
Contingency @ 20%	\$ 26,000	\$ 234,000	\$ 485,000	\$ 94,000	\$ 838,000
Design @ 12%	\$ 16,000	\$ 141,000	\$ 291,000	\$ 57,000	\$ 503,000
Mobilization @ 8%	\$ 11,000	\$ 94,000	\$ 194,000	\$ 38,000	\$ 336,000
TESC + Traffic Control @ 12%	\$ 16,000	\$ 141,000	\$ 291,000	\$ 57,000	\$ 503,000
Const. Management @ 20%	\$ 26,000	\$ 234,000	\$ 485,000	\$ 94,000	\$ 838,000
Grand Total	\$ 223,000	\$ 2,013,000	\$ 4,167,000	\$ 809,000	\$ 7,208,000

Appendix G - Facility Prioritization Criteria

Appendix H - Accessible Pedestrian Signal (APS) Policy

City of Mercer Island - Policy for Installation of Accessible Pedestrian Signals and Pushbuttons

Intent:

It is the City's intention to be consistent with the most current version of the Public Right of Way Access Guidelines (PROWAG) in the provision of and location of accessible pedestrian signals and pushbuttons (APS) at traffic signals. Further guidance is available in 28 CFR Part 35 and Manual on Uniform Traffic Control Devices (MUTCD) section 4E.08 through 4E.13.

Purpose:

The purpose of this plan is to establish a reasonable and consistent policy for installing APS.

Scope:

1. *Requests*: Requests for APS systems from the public will be responded to in a timely manner and the consideration for installation will be done in accordance with applicable sections of the ADA.
2. *New construction*: New construction of traffic signal projects requires installation of APS and associated accessible features when pedestrian signals are installed.
3. *Alterations*: When the signal controller and software are altered, the pedestrian signal head is replaced, or pedestrian detectors are replaced, the existing pedestrian signals shall be upgraded to APS on poles in accessible locations.
4. *Curb ramp replacement at traffic signals*: Altering or replacing curb ramps does not require installation of APS unless the curb ramp cannot be altered or replaced without the alteration, installation or replacement of any pole to which a pedestrian pushbutton is attached. Then, installation of APS on poles in accessible locations is required.
5. In addition to the above conditions, APS will be installed through fulfillment of the City's obligations to complete its ADA Transition Plan.

Installation of APS is not required, unless otherwise noted, under the following conditions, but is recommended when inclusion in the project scope is possible:

1. *Minor work and routine maintenance at traffic signals*: Projects including but not limited to: emergency repairs, vehicular detection installation and repairs, installation and repair of CCTV or other cameras, vehicular signal head upgrades and repairs, and repair of pedestrian detection do not require installation of APS and associated accessible features.
2. *Signal timing changes*: Updating signal timing including cycle length, splits, offsets, and pedestrian clearance times do not require installation of APS and associated accessible features.

Appendix I - Grievance Procedure

City of Mercer Island, Washington

Example Grievance Procedure under The Americans with Disabilities Act

This Grievance Procedure is established to meet the requirements of the Americans with Disabilities Act of 1990 ("ADA"). It may be used by anyone who wishes to file a complaint alleging discrimination on the basis of disability in the provision of services, activities, programs, or benefits by the City of Mercer Island.

The complaint should be in writing and contain information about the alleged discrimination such as name, address, phone number of complainant and location, date, and description of the problem. Alternative means of filing complaints, such as personal interviews or a tape recording of the complaint, will be made available for persons with disabilities upon request.

The complaint should be submitted by the grievant and/or his/her designee as soon as possible but no later than 60 calendar days after the alleged violation to:

Jason Kintner
ADA Coordinator
jason.kintner@mercergov.org

Within 15 calendar days after receipt of the complaint, City Engineer or their designee will meet with the complainant to discuss the complaint and the possible resolutions. Within 15 calendar days of the meeting, City Engineer or his/her designee will respond in writing, and where appropriate, in a format accessible to the complainant, such as large print, Braille, or audio tape. The response will explain the position of the City of Mercer Island and offer options for substantive resolution of the complaint.

If the response by City Engineer or his/her designee does not satisfactorily resolve the issue, the complainant and/or his/her designee may appeal the decision within 15 calendar days after receipt of the response to the City Manager or his/her designee. Within 15 calendar days after receipt of the appeal, the City Manager or his/her designee will meet with the complainant to discuss the complaint and possible resolutions. Within 15 calendar days after the meeting, the City Manager or his/her designee will respond in writing, and, where appropriate, in a format accessible to the complainant, with a final resolution of the complaint. All written complaints received by City Engineer or his/her designee, appeals to the City Manager or his/her designee, and responses from these two offices will be retained by the City of Mercer Island for at least three years.

Appendix J - Maximum Extent Feasible (MEF) Documentation Template

Maximum Extent Feasible (MEF) Template

Project Description

Highway/Building Parameters

- Roadway Classification:
- Design Speed/Posted Speed:
- Design Year ADT:
- Truck Percentage:
- Access Control:
- Building Type:
- Facilities Provided in Building:

Existing Pedestrian Facilities – general description (for new construction projects include a summary of the project pedestrian study)

Pedestrian Design Standards – cover the following subjects

- Discuss the criteria that apply to the pedestrian elements on the project that will be built to the Maximum Extent Feasible
- Include reference(s) to the appropriate PROWAG/ADA section(s) and City Public Works Standards [including revision date]

Alternative(s) analysis - needed for new construction projects only

Proposal – cover the following subjects

- What features will remain that meet guidelines
- What features are being built to guidelines
- What is being built to the maximum extent feasible

Justification

- Discussion of what constraints/challenges there are to meet full design level
- See worksheet

Additional Benefits – new construction projects

Attachments

MEF Template – Public Right-of-Way Alteration Project Example

Project Description

This Alteration project will mill & fill SR “A” (from edge line to edge line) with 0.15’ HMA (Class 1/2” PG 64-22) from MP 4.03 to 4.45 and from MP 4.71 to 6.89. This project will overlay the roadway (from edge of pavement to edge of pavement) with 0.20’ HMA (Class 1/2” PG 64-22) from MP 4.45 to 4.71. There is no proposed paving on the County Roads.

Highway Parameters

- Roadway Classification: Non-NHS, U-I, Urban Principal Arterial.
- Funding Program: PI – Paving
- Posted/Design Speed: Mainline - 55/60 mph
- Average Daily Traffic: 25,000 (per Project Definition)
- Truck %: 9% (per Traffic Operations)
- Access Management Classification: Currently classified as Managed Access Class 3. On Master Plan for Modified Limited Access

Existing Pedestrian Facilities

There are five curb ramps and eight sidewalk ramps (from sidewalk to shoulder) located along SR “A” within the paving limits of this project. All five curb ramps and seven of the eight sidewalk ramps do not meet current ADA standards. One sidewalk ramp is located north of the “X” Street intersection (east side – E1, meets guidelines) at the north end of the sidewalk.

There are curb ramps and sidewalk ramps located at the four corners of the “Y” Avenue signalized intersection. Pedestrians can cross this intersection via six curb ramps and four marked crosswalks.

There are curb ramps and sidewalk ramps located at the southwest and northwest corners of the “Z” Way signalized tee intersection. Pedestrians can cross this intersection via three curb ramps and two marked crosswalks. There is one unmarked crossing on SR “A” located at the north side of this intersection. The unmarked crossing meets ADA standards, but the curb ramp located at the west side of the unmarked crossing does not meet ADA standards. This curb ramp is for the marked crosswalk on “Z” Way, is outside of our paving limits, and will not be addressed.

Pedestrian Design Standards

Curb Ramps – Landing, PROWAG 2005 R303.2.1.3

The cross slopes of a curb ramp landing shall be 2% maximum.

This also implies that the gutter slope adjacent to a curb ramp landing shall be 2% maximum.

Proposal

Curb Ramps and Ramps (from sidewalk to shoulder)

North of the “X” Street intersection (west side - W4)

This sidewalk ramp will be upgraded to meet City standards.

“Y” Avenue Intersection

Three of the four proposed curb ramps and all four proposed sidewalk ramps at the “Y” Avenue intersection meet current City standards. Proposed curb ramp “Y” Avenue SW2, located at the southwest corner, is designed to the maximum extent feasible.

Proposed curb ramp “Y” Avenue SW2 will maintain its current landing location to accommodate two crosswalks. All curb ramp elements will meet current City standards, except for the proposed gutter slope (4.4%) and landing cross slope (5.0%). These two elements will maintain the existing gutter slope >2%.

“Z” Way Intersection

The two proposed sidewalk ramps at the “Z” Way intersection meet current City standards. Proposed curb ramp “Z” Way SW2, located at the southwest corner, is designed to the maximum extent feasible.

Proposed curb ramp “Z” Way SW2 will maintain its current landing location to minimize the gutter slope and landing cross slope. All curb ramp elements will meet current City standards, except for the proposed gutter slope (7.4%) and landing cross slope (7.9%). These two elements will maintain the existing gutter slope >2%.

Justification

To construct the curb ramps to be 100% compliant would require re-profiling the existing roadway. This type of major reconstruction is not feasible in this type of Alteration project.

To construct the curb ramps while maintaining the existing profile of the roadway would require rebuilding the roadway adjacent to the proposed curb ramps. The rebuilt roadway would not eliminate the transition from the 2% cross slope of the curb ramps as it matches into the steeper cross slopes of the existing crosswalks but would simply move the transition further into the active traveled roadway. The result would be a grade change transition within the driving lane that would be undesirable.

Attachments

Vicinity Map

Spreadsheet

Curb Ramp Geometrics

Plan Sheets

Appendix K - ADA Terminology

ADA Terminology

Accessible Pedestrian Signals. A device that communicates information about pedestrian signal timing in non-visual format such as audible tones, speech messages, and/or vibrating surfaces.

Barrier. Obstacle that prevents movement or access.

Cross Slope. The slope that is perpendicular to the direction of travel (see running slope).

Curb Ramp. A short ramp cutting through a curb or built up to it.

Detectable Warning. A standardized surface feature built in or applied to walking surfaces or other elements to warn of hazards on a circulation path. Also known as “truncated domes”.

Fixed Obstacles. Obstacles in pathways that cannot be moved without significant changes to the existing infrastructure.

Grade Break. Location where a pathway’s slope changes.

Maximum Extent Feasible. The situation in which the nature of an existing building or facility makes it virtually impossible to comply fully with accessibility standards.

Moveable Obstacles. Obstacles in pathways that can be moved without significant changes to the existing infrastructure.

Pedestrian Access Route. A continuous and unobstructed path of travel provided for pedestrians with disabilities within or coinciding with a pedestrian circulation path.

Pedestrian Circulation Path. A prepared exterior or interior surface provided for pedestrian travel in the public right-of-way.

Ramp. A walking surface that has a running slope steeper than 1:20.

Running Slope. The slope that is parallel to the direction of travel (see cross slope).

Ramp Flare. Transitions the curb line to the elevation of the street.

Turning Space. Area that provides maneuvering space at the top/bottom of a ramp.

Appendix L - Title II Requirements



MEMORANDUM

Date:	April 12, 2022	TG:	1.21012.00
To:	Lia Klein, PE – City of Mercer Island		
From:	Patrick Lynch, AICP – Transpo Group		
Subject:	City of Mercer Island ADA Transition Plan Requirements		

The following memorandum provides an executive summary of the purpose for an Americans with Disabilities Act (ADA) Transition Plan and the Title II Regulations set by the ADA. This memo also outlines how the Mercer Island ADA Transition Plan meets Title II Regulations, and where these regulations are met within the Plan.

Executive Summary

The Americans with Disabilities Act Self-Evaluation and Transition Plan developed by Transpo Group establishes the City of Mercer Island’s ongoing commitment to providing equal access for all, including those with disabilities. In developing the plan, the City of Mercer Island has undertaken a comprehensive evaluation of its facilities and policies related to the public rights-of-way, including City-maintained parks and buildings, to determine what types of access barriers exist for individuals with disabilities. The plan will be used to help guide future planning and implementation of necessary accessibility improvements.

Both the Self-Evaluation and the Transition Plan are required elements of the federally mandated ADA Title II, which requires that government agencies provide equal access to programs and services they offer. While the ADA applies to all aspects of government services, the transition plan developed by Transpo Group focuses on City of Mercer Island attributes within the public right-of-way, City facilities, and City parks.

This includes horizontal attributes of sidewalks, curb ramps, pedestrian pushbuttons, bus stops, crosswalks, driveways, accessible parking stalls, staircases, and wheelchair ramps and vertical elements of buildings, toilet rooms, beaches, drinking fountains, trash, recycling, and dog waste receptacles, play areas, bleachers, dugouts, picnic shelters and tables, boardwalks, raised patios, and signage as these are the facility types inventoried by the City.

The plan prepared by Transpo Group summarizes the Self-Evaluation, which includes an accessibility assessment of pedestrian facilities as well as practices and procedures which relate to them, such as curb ramp design standards. It also contains a Transition Plan, which identifies a schedule for the removal of barriers and identifies how the City will address requests for accommodations in a consistent manner.

The City’s objective is to remove physical barriers associated within the public right-of-way and park facilities using operation and maintenance, overlay, and Capital Improvement Program (CIP) project funding. The City is committed to removing these barriers and in future years will implement projects to remove barriers identified in this plan. In addition, the City is continually working towards maintaining ADA compliance for all future capital improvement projects, permitted development, and any other right-of-way construction projects.

ADA Title II Checklist

Table 1 provides a checklist of regulations included in the Title II requirements (CFR 35.150) related to the development of ADA transition plans. The table describes each requirement and where it is addressed in the City of Mercer Island ADA Transition Plan.

Table 1. Title II Transition Plan Requirement Checklist

Title II Requirement	Title II Reference	Met in ADA Transition Plan?	ADA Transition Plan Reference
Transition plan: Public entity employing 50 or more persons shall develop a transition plan	35.150 (d) (1)	Yes	Section 1.1 – Plan Requirement
Outreach: Transition plan shall provide an opportunity to interested persons, including individuals with disabilities or organizations representing individuals with disabilities, to participate in the development of the transition plan by submitting comments	35.150 (d) (1)	Yes	Chapter 3 – Stakeholder Engagement
Public inspection: A copy of the transition plan shall be made available for public inspection	35.150 (d) (1)	Yes	Plan reference not applicable. See https://www.mercerisland.gov/publicworks/page/ada
Transition schedule: If a public entity has responsibility or authority over streets, roads, or walkways, its transition plan shall include a schedule for providing curb ramps or other sloped areas where pedestrian walks cross curbs	35.150 (d) (2)	Yes	Section 4.3.5 - Schedule
Barrier prioritization: The transition plan’s curb ramp transition schedule should give priority to walkways serving entities covered by the Act, including State and local government offices and facilities, transportation, places of public accommodation, and employers, followed by walkways serving other areas	35.150 (d) (2)	Yes	Chapter 4 – Pedestrian Barrier Removal Methods and Schedule
Barrier identification: The plan shall, at a minimum, identify physical obstacles in the public entity’s facilities that limit the accessibility of its programs or activities to individuals with disabilities	35.150 (d) (3) (i)	Yes	Section 2.3.1.2 - Findings
Barrier removal methods: The plan shall describe in detail the methods that will be used to make the facilities accessible	35.150 (d) (3) (ii)	Yes	Chapter 4 – Pedestrian Barrier Removal Methods and Schedule
Barrier removal schedule: The plan shall specify the schedule for taking the steps necessary to achieve compliance with this section and, if the time period of the transition plan is longer than one year, identify steps that will be taken during each year of the transition period	35.150 (d) (3) (iii)	Yes	Section 4.3.5 - Schedule
ADA Coordinator: The plan shall indicate the official responsible for implementation of the plan	35.150 (d) (3) (iv)	Yes	Chapter 5 – Recommendations and Next Steps
ADA Transition Plan Update: If the public entity has already complied with the transition plan requirement of a Federal agency regulation implementing section 504 of the Rehabilitation Act of 1973, then the requirements of this checklist shall apply only to those policies and practices that were not included in the previous transition plan	35.150 (d) (4)	Not Applicable	Plan reference not applicable. See https://www.mercerisland.gov/publicworks/page/ada



Glossary of ADA Terminology

The following section provides a summary of terminology included in the ADA Transition Plan.

- **Accessible Pedestrian Signals.** A device that communicates information about pedestrian signal timing in non-visual format such as audible tones, speech messages, and/or vibrating surfaces.
- **Barrier.** Obstacle that prevents movement or access.
- **Cross Slope.** The slope that is perpendicular to the direction of travel (see running slope).
- **Curb Ramp.** A short ramp cutting through a curb or built up to it.
- **Detectable Warning.** A standardized surface feature built in or applied to walking surfaces or other elements to warn of hazards on a circulation path. Also known as “truncated domes”.
- **Fixed Obstacles.** Obstacles in pathways that cannot be moved without significant changes to the existing infrastructure.
- **Grade Break.** Location where a pathway’s slope changes.
- **Hazard.** Miscellaneous barrier along a pedestrian circulation route.
- **Maximum Extent Feasible.** The situation in which the nature of an existing building or facility makes it virtually impossible to comply fully with accessibility standards.
- **Moveable Obstacles.** Obstacles in pathways that can be moved without significant changes to the existing infrastructure.
- **Pedestrian Access Route.** A continuous and unobstructed path of travel provided for pedestrians with disabilities within or coinciding with a pedestrian circulation path.
- **Pedestrian Circulation Path.** A prepared exterior or interior surface provided for pedestrian travel in the public right-of-way.
- **Ramp.** A walking surface that has a running slope steeper than 1:20.
- **Running Slope.** The slope that is parallel to the direction of travel (see cross slope).
- **Ramp Flare.** Transitions the curb line to the elevation of the street.
- **Stakeholder.** Focused group of the general public with interest in outreach efforts.
- **Turning Space.** Area that provides maneuvering space at the top/bottom of a ramp.



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