Americans with Disabilities Act
Hennepin County Program Access And Transition Plan For County Highway Rights of Way

Released August 2015
HOW TO USE THIS REPORT

This report on Hennepin County’s Americans with Disabilities Act (ADA) self evaluation and transition plan is designed to be utilized at different levels:

- A summary of the overall findings of the self evaluation process and of the transition plan to bring the county into compliance with ADA. This summary is at a broad level, but it provides a sense of where the county stands in terms of its compliance with ADA for pedestrian ramps, sidewalks, and Accessible Pedestrian Signals (APS).

- A city-by-city summary of the findings is included in Appendix C.
  - For each county roadway, the pedestrian ramps were checked for compliance. Based on these compliance checks, the following data is provided:
    - Pedestrian ramps that were substantially compliant
    - Pedestrian ramps without truncated domes
    - Locations in need of construction or modification
  - The total miles of sidewalk along county roads, including sidewalk miles warranting replacement were documented for each city.
  - Traffic signal information was also collected, which identifies locations with Accessible Pedestrian Signals (APS).

Specific information with photos and findings for each county pedestrian ramp and sidewalk is available at: www.hennepin.us/residents/transportation/ada-transition-plan. This includes information on the evaluation completed according to current ADA standards.

As pedestrian ramps, sidewalks, and accessible pedestrian signals are programmed for, or brought into compliance, necessary updates to the plan will occur. If there are interests or concerns with the evaluation of a particular ramp, sidewalk, or traffic signal in the county, contact key Hennepin County team members (see Appendix B). In addition, the grievance procedure (see Appendix A) may be completed online, by phone, or on paper.
## TABLE OF CONTENTS

### Introduction 1
- Public Works Mission and Vision 1
- Hennepin County Highway System 1
- ADA Transition Plan Alignment with Other Public Works Plans, Initiatives, and Efforts 4
  - Complete Streets, Active Living, and Other County Initiatives 4
  - Hennepin County Transportation Systems Plan (2030 HC-TSP) 4
  - Pedestrian Plan 6
  - Hennepin County 2040 Bicycle Transportation Plan 6
- Need and Purpose of Transition Plan and Self Evaluation 7
  - Need 7
  - Purpose 7

### ADA Compliance Efforts 8
- Hennepin County Self Evaluation and Transition Plan (1992) 8
- Pedestrian Ramp Construction (1993 and 1997) 8
- Transportation Department ADA Implementation Initiative (2011-2015) 8
- Incorporation of ADA Guidance for Capital Projects 9
- Incorporation of ADA Guidance for Maintenance Projects 9
- Internal and Interagency Coordination 9
- Staff Development 9

### Self Evaluation 10
- Policies 10
- Practices 10
- Programs (Inventory of built PCR/PAR environment) 10
- Assessment of System Accessibility 10
- Public Involvement for the Self Evaluation 11

### Transition Plan 12
- Public Involvement for the Transition Plan 12
- Plan Management 12
  - Plan Implementers 12
  - Policies 13
  - Practices 13

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Hennepin County Program Access / Transition Plan  
August 2015 | Page iii
Appendices

Appendix A:
- How to File a Hennepin County Grievance
- Hennepin County Grievance Form

Appendix B:
- Responsible Officials and Key Hennepin County Department Staff

Appendix C:
- Hennepin County Self Evaluation
  - Review of Policies and Practices
  - Review of Programs (Pedestrian Infrastructure)
  - Pedestrian Ramp Inventory
  - Sidewalk Inventory

Appendix D:
- Accessible Pedestrian Signals Evaluation Tool

Appendix E:
- CIP and Programmed Activities

Appendix F:
- ADA Rules, Design Guidance, and Best Practices Information

Appendix G:
- Other Applicable Laws or Guidance to the ADA

Appendix H:
- Public Involvement Plan

Appendix I:
- Staff Development

Appendix J:
- Definitions and Terms
List of Acronyms

ABA    Architectural Barriers Act of 1968
ADA    The Americans with Disabilities Act of 1990
ADAAG  Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities
APS    Accessible Pedestrian Signal
CFR    Code of Federal Regulations
CIP    Capital Improvement Program
CSAH   County State Aid Highway
DOJ    United States Department of Justice
MnDOT  Minnesota Department of Transportation
PAR    Pedestrian Access Route
PCR    Pedestrian Circulation Route
PE     Professional Engineer
PROW   Public Right of Way
PROWAAC Public Rights-of-Way Access Advisory Committee
PROWAG Draft Public Rights-of-Way Accessibility Guidelines
ROW    Right of Way
SHAPE  Survey of the Health of All the Population and the Environment
TPAR   Temporary Pedestrian Access Route

Definitions associated with these terms are provided in Appendix J.
Summary

Hennepin County is responsible for approximately 13,000 pedestrian ramps, 400 miles of sidewalk, and 800 traffic signals along county roads. To ensure compliance with the Americans with Disabilities Act (ADA), the county has inventoried the pedestrian ramps, sidewalks, and traffic signals to determine which need repair, modification, or replacement.

Approximately 47 percent of the ramps and 0.25 percent of the sidewalks were found to need some modification to be fully ADA compliant. The cost to bring these ramps and sidewalks fully into ADA compliance would be roughly $35 million in 2015 dollars. Approximately six percent of the traffic signals within county highway rights of way and along county roads include Accessible Pedestrian Signals (APS).

In the 2015–2019 Capital Improvement Program (CIP), Hennepin County allotted $600,000 annually to repair or replace pedestrian ramps as stand-alone projects (additional ramps may be repaired or replaced with roadway improvement projects, or as part of separate city projects). After evaluating sidewalks for obstructions and deficiencies, Hennepin County will estimate the cost of repair and replacement for those sidewalks with an identified need. The county has allotted $200,000 annually in the CIP for sidewalk related projects. Each local city assumes responsibility for all sidewalks along county roads once a corridor has been constructed, therefore, the available capital funding for sidewalks follows a solicitation process.

During the self evaluation, the ramp conditions were assessed and determined to be fully conforming; substantially conforming, or requiring modification. If capital projects are being completed in a location where there are ramps in need of upgrades, all of the ramps in that area will be replaced or improved as part of the project. Stand-alone ramp projects in areas without planned roadway improvements will be replaced or improved based on priority needs (existing defects, work required, pedestrian use, level of obstruction to users, etc.), as funds are available. A similar process will occur for sidewalks. The work will be scheduled based on priority and available funding in areas where improvements are needed.

Hennepin County has made significant efforts, through funding and construction, to improve accessibility and remove barriers through various programs within Public Works.
Introduction

The Americans with Disabilities Act (ADA) was enacted in 1990 and was intended to address and provide remedies for disability discrimination by employers, public services, public and private transportation providers, public accommodations, and certain telecommunications providers. Most provisions of the ADA took effect in 1992. While the ADA has five separate titles, Title II is the section specifically applicable to “public entities” (state and local governments) and the programs, services, and activities they deliver. Other applicable laws or guidance may be found in Appendix G.

As a result of the ADA and County Board Resolution No. 91-9-685R2, Hennepin County completed an ADA “self evaluation” in December 1992. Hennepin County then used this self evaluation to create a transition plan that detailed the methods to be used to remove the barriers and make all Hennepin County facilities and services accessible. Over the past 25 years, Hennepin County has spent millions of dollars in its efforts to comply with the ADA.

The intent of this ADA Program Access and Transition Plan is to guide the following efforts on the county highway system and county highway rights of way:

- Assist Hennepin County’s efforts to comply with ADA
- Develop a procedure to record progress on ADA improvements
- Inform the public of the county's ADA compliance efforts and accomplishments
- Describe the Grievance Procedure for ADA concerns
- Inform the public how to communicate with county staff about issues related to ADA

The goals and purpose of this ADA Program Access and Transition Plan pertain to Hennepin County’s highway system, including its roads, bridges, sidewalks, and multi-use trails adjacent to the county highway system and within county highway rights of way. This plan is not intended to address other areas of accessibility within the county.

This plan is part of the county’s ADA compliance for its county highway system and the county highway rights of way. It supports the Hennepin County mission, vision, and overarching goal of healthy and mobile people. Additional information about the county’s mission, vision, and goals can be found on the following website: http://www.hennepin.us/your-government/overview/mission-vision-goals.

Public Works Mission and Vision

To help users of this document better understand the context in which the county functions, the mission and vision for Public Works is provided below. Table 1 has a brief summary of the alignment between the Transition Plan and the Public Works strategic goals. Table 2 has a brief summary of the alignment between the Transition Plan and the Transportation Department strategic goals.

Mission

Public Works creates active and livable communities through economic development, environmental stewardship, and advancement of an intermodal transportation network.

Vision

Public Works engages communities by enacting sustainable solutions to advance the quality of life and livability in Hennepin County.
Table 1, *Alignment with Hennepin County Public Works Strategic Goals*, briefly describes the alignment between the Transition Plan and the strategic goals of Hennepin County Public Works.

<table>
<thead>
<tr>
<th>Goal</th>
<th>Objective</th>
<th>Measure</th>
<th>Objectives Aligned with the ADA Transition Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>We will advance livability within Hennepin County</strong></td>
<td>Provide programs supporting active living</td>
<td>Healthy Hennepin County</td>
<td>Providing new and enhancing existing accessible infrastructure to support transportation choices and participation for all is aligned with the public works goal to advance livability.</td>
</tr>
<tr>
<td></td>
<td>Provide safe, efficient transportation infrastructure</td>
<td>Transportation choices</td>
<td>Providing accessible pedestrian access routes will support multi-modal transportation choices, active and healthy lifestyle choices, and the county’s work to provide safe, efficient transportation infrastructure.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete streets</td>
<td>Expected positive outcomes are improvements in SHAPE study results, positive findings from Health Impact Assessments, transportation modal shifts to walking and transit, and the reduction of crashes and fatalities for all modes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Safe transportation network</td>
<td></td>
</tr>
<tr>
<td><strong>We will advance a seamless transportation network</strong></td>
<td>Create connectivity within and between modes of transportation</td>
<td>Planning and development initiatives advance multi-modal connectivity and mobility on the county highway system</td>
<td>The ADA Program Access and Transition Plan is aligned with the Public Works strategic goal to advance a seamless transportation network.</td>
</tr>
<tr>
<td></td>
<td>Provide efficient movement of people and goods</td>
<td>Intersection improvements – ADA pedestrian ramps</td>
<td>As the county upgrades and provides new pedestrian infrastructure, it will support pedestrian movement and connectivity between modes.</td>
</tr>
<tr>
<td></td>
<td>Provide transportation choices</td>
<td>Increase the number of miles of pedestrian facilities</td>
<td>Expected positive outcomes: all Public Works planning efforts will consider a connected and accessible pedestrian system within the county highway rights of way, upgraded and new pedestrian ramps and increased miles of accessible pedestrian facilities.</td>
</tr>
</tbody>
</table>
Table 2, *Alignment with Hennepin County Transportation Department Strategic Goals*, briefly overviews how the Transition Plan is aligned with the overarching goal to have the best possible multi-modal transportation network and supports the strategic goals of the Transportation Department.

<table>
<thead>
<tr>
<th>Goal</th>
<th>Objective</th>
<th>Measure</th>
<th>Objectives Aligned with the ADA Transition Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preserve and modernize the existing transportation system</td>
<td>Maintain system to protect investment</td>
<td>Asset inventory</td>
<td>The asset inventory of pedestrian ramps, sidewalks, and multi-use trails adjacent to county highways is a major component of the self evaluation. Having the number of pedestrian ramps and sidewalk areas needing attention will aid the county in developing a plan and schedule for the removal of identified accessibility barriers.</td>
</tr>
<tr>
<td>Improve safety for all transportation users</td>
<td>Provide safe transportation facilities</td>
<td>Crash rates on the county highway system</td>
<td>A well-planned, maintained, and accessible transportation system will support pedestrian, bicycle, and vehicle safety on the county highway system.</td>
</tr>
<tr>
<td>Provide mobility and choice to meet the diversity of transportation needs as well as to support health objectives throughout the county</td>
<td>Enhance multi-modal mobility</td>
<td>County highway system with pedestrian facilities and multi-use trails</td>
<td>Pedestrian facilities and multi-use trails that are accessible will enhance multi-modal mobility.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete streets approach to project implementation</td>
<td>Incorporation of ADA, accessibility, and complete streets in project designs will enhance infrastructure.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADA pedestrian ramps</td>
<td>Implementation of this ADA Transition Plan will improve the county’s transportation infrastructure, provide accessible mode choices, and promote healthier lifestyles.</td>
</tr>
<tr>
<td>Reduce the county’s environmental footprint</td>
<td>Improve environmental stewardship</td>
<td>Vehicle miles traveled per capita</td>
<td>An individual’s reliance on vehicles is decreased as accessible pedestrian improvements are completed.</td>
</tr>
</tbody>
</table>
Hennepin County Highway System

Hennepin County, located in the Twin Cities Metropolitan area, has an area of 611 square miles and a population of approximately 1.16 million residents living in 45 cities. The cities range from Minneapolis (urban) in the east to Minnetrista and Independence (rural) in the western part of the county. The transportation system consists of approximately:

- 570 centerline miles
- 1,600 lane-miles of county highways
- 500 miles of bikeways (with more than 650 miles planned)
- 150 bridges
- 800 traffic signals
- 350 miles of concrete sidewalk
- 75 miles of bituminous sidewalk
- 100 miles of multi-use trails adjacent to county highways
- 13,000 pedestrian ramps

ADA Transition Plan Alignment with Other Public Works Plans, Initiatives, and Efforts

Complete Streets, Active Living, and Other County Initiatives

Hennepin County’s Complete Streets policy (adopted by County Board on July 14, 2009), recognizes the importance of balancing transit, bicycle, pedestrian, and motorist needs. The county also has an Active Living initiative, which increases opportunities for people to integrate physical activity into their daily lives through policies and plans that encourage walkable communities and active transportation. The Complete Streets policy and Active Living initiative are complementary to the ADA and the Transition Plan to ensure accessible infrastructure and promote participation opportunities.

For continued alignment between the Transition Plan and Hennepin County’s Complete Streets policy, Active Living, and other county initiatives, such as: transit-oriented developments, station area planning, health impact assessments, and Survey of the Health of All the Population and the Environment (SHAPE) studies; a recommended practice is for all related actions to follow the Transition Plan. This ensures accessibility is achieved by all county infrastructure along the county highway system and within county highway rights of way.

Hennepin County Transportation Systems Plan (2030 HC-TSP)

The Transition Plan supports and is aligned with goals 1, 2, 3, and 5 of the 2030 HC-TSP (adopted by County Board on June 28, 2011), and the overarching plan theme to develop, build, and maintain a transportation system; a system that includes an accessible and cohesive pedestrian system. Table 3, provides a brief summary of the alignment between the 2030 HC-TSP goals and the Transition Plan. More information on the Hennepin County Transportation Systems Plan (2030 HC-TSP) can be found at http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design.
<table>
<thead>
<tr>
<th>2030 HC-TSP Goal</th>
<th>Alignment with Transition Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1-</strong> Preserve and modernize the existing transportation system</td>
<td>The Transition Plan through the CIP for Pedestrian Ramps, Sidewalk Participation, and Pavement Preservation Plus will maintain existing and provide new pedestrian infrastructure on the county highway system. The implementation of these programs will utilize the Transition Plan to ensure accessibility within the county highway rights of way.</td>
</tr>
<tr>
<td><strong>2-</strong> Improve safety for all transportation users</td>
<td>An accessible pedestrian network within the context of multi-modal transportation system provides a place of safe travel for pedestrians, and thus enhances safety for all users by limiting conflict points to locations where all users expect them.</td>
</tr>
<tr>
<td><strong>3-</strong> Provide mobility and choice to meet the diversity of transportation needs and support health objectives throughout the county</td>
<td>A well-planned and accessible pedestrian system provides opportunities to make healthy choices in travel decisions.</td>
</tr>
<tr>
<td><strong>5-</strong> Reduce the county’s environmental footprint</td>
<td>The county’s transportation system supports efforts such as travel demand management and transit benefits. Efforts to reduce vehicle trips and increase transit ridership are supported by having a safe and accessible pedestrian system.</td>
</tr>
</tbody>
</table>
Pedestrian Plan

The Transition Plan supports the goals of the Hennepin County Pedestrian Plan (adopted by County Board on September 24, 2013), which are to improve the safety of walking, increase walking for transportation, and improve the health of county residents through walking. Accessibility for all pedestrians is a priority of the county, and the Pedestrian Plan supports the county’s work to improve and expand accessibility by supporting the upgrade of existing pedestrian ramps and sidewalks where needed, expanding the sidewalk and trail network, and improving pedestrian crossings. The Transition Plan supports asset management for pedestrian infrastructure and Strategy 4.1B of the Pedestrian Plan, which recommends a comprehensive sidewalk condition assessment (in coordination with the Transition Plan) and a plan for needed improvements. More information on the Hennepin County Pedestrian Plan can be found at http://www.hennepin.us/pedestrianplan.

Hennepin County 2040 Bicycle Transportation Plan

The Transition Plan is aligned with the Hennepin County 2040 Bicycle Transportation Plan (adopted by County Board on April 14, 2015). The Transition Plan will support and inform the implementation of its Goal 2: Bicycle System Integration, to seamlessly integrate the county bicycle system with other bicycle, pedestrian, and transportation systems. As the implementation of facilities on the county system occur with the Bicycle Transportation Plan, the Transition Plan will be used to ensure accessibility within or adjacent to the county highway system. More information on the Hennepin County Bicycle Transportation Plan can be found at http://www.hennepin.us/bikeplan.
Need and Purpose of Transition Plan and Self Evaluation

Need

This Transition Plan has been developed by Hennepin County to comply with the requirements of Title II of the ADA and other applicable laws and regulations relating to the county highway system and county highway rights of way. This plan, which addresses transportation infrastructure on the county highway system and within county highway rights of way, supplements Hennepin County’s original Transition Plan, which did not detail transportation infrastructure.

Purpose

The purpose of the self evaluation is for the county to assess current programs, policies and practices relative to its responsibility for the development and maintenance of the county highway system infrastructure. The self evaluation affirms policies and practices consistent with Title II of the ADA that support the full participation of those with disabilities. The data collected from the self evaluation confirms where infrastructure conforms with ADA, supports accessibility and the full participation of those with disabilities, and identifies where there are physical accessibility barriers. The county can then develop a plan and schedule to remove any identified accessibility barriers. The self evaluation also identifies any policies and practices that may be inconsistent with the requirements of ADA Title II; or could be modified, where feasible, to provide better accommodations for those with disabilities.
ADA Compliance Efforts

Hennepin County Self Evaluation and Transition Plan (1992)
The county completed a self evaluation in 1992 and created Hennepin County’s original Transition Plan. This self evaluation and Transition Plan focused on the accessibility of buildings and services (e.g. auctions and permits) for the disabled. This Transition Plan did not detail transportation infrastructure.

Pedestrian Ramp Construction (1993 and 1997)
During 1993, Minneapolis led a project to provide or improve accessibility on various county highways within the city in accordance with standards at that time. Hennepin County participated in this effort through cost-share funding.

In 1997, the county implemented county project no. 2971700 to remove accessibility barriers and install pedestrian ramps at intersections along various county highways in accordance with current (1997) standards. The project cost was approximately $91,000 and included the construction of pedestrian ramps along 22 different county highways (5, 6, 9, 10, 14, 15, 17, 19, 27, 28, 31, 32, 40, 61, 81, 88, 92, 102, 136, 150, 156, and 158) in 17 cities within Hennepin County.

Transportation Department ADA Implementation Initiative (2011-2015)
Hennepin County completed federally funded overlay work related to the I-35W Bridge collapse in 2011. Work was completed on Marshall Avenue (CSAH 23), University Avenue (CSAH 36), and Cedar Avenue/Washington Avenue (CSAH 152) and included pedestrian ramp replacements. Additionally in years 2011 and 2012, the county constructed its annual ADA pedestrian ramp projects, replacing approximately 450 ramps in Minneapolis.

The 2013 ADA Pedestrian Ramp Project was in southeast Minneapolis (CSAH’s 5, 35, 36, and 37), supporting accessibility along the Central Corridor light rail transit line (Green Line). This project replaced 133 ramps and was constructed in early 2014 (postponed from late summer 2013). The 2014 ADA Pedestrian Ramp Project was in northeast Minneapolis located along Golden Valley Road (CSAH 66) and West Broadway Avenue (CSAH 81). This project replaced 93 ramps in Fall 2014. The 2015 ADA Pedestrian Ramp Project will take place along Park Avenue (CSAH 33) in Minneapolis and along 42nd Avenue (CSAH 9) in Robbinsdale. This project will replace approximately 69 ramps and is anticipated to be completed in Fall 2015. Moving forward, the county will continue with development and construction of annual pedestrian ramp projects based on capital project programming of $600,000 per year (years 2016-2020).

The county also regularly completes other types of projects that include ADA related work in addition to the annual pedestrian ramp projects. These are displayed in Figure E-1 of Appendix E.
Incorporation of ADA Guidance for Capital Projects

With the design of each capital project, as identified in Hennepin County’s CIP, the county uses current ADA guidance and best practices (see Appendix F). The project manager considers the pedestrian circulation route (PCR), which includes a pedestrian accessibility route (PAR), within the context of the existing regional and local infrastructure. In addition, regional and local planning documents and public input are considered to ensure that the PCR/PAR is well planned and addresses the needs of the local community. When the county constructs new pedestrian infrastructure, the goals include: providing accessibility, promoting the full participation of those with disabilities, and assuring the public all projects are consistent and compliant with the current ADA guidance and best practices.

Incorporation of ADA Guidance for Maintenance Projects

For maintenance projects, the county incorporates current ADA guidance to the maximum extent feasible, in accordance with applicable rules and regulations. Similar to capital projects, the county considers the PCR and PAR, within the context of the existing regional and local infrastructure, as it considers regional and local planning documents and public input.

Internal and Interagency Coordination

County staff routinely evaluates existing policies and practices to ensure they do not limit full participation or present any accessibility barriers for those with a disability. As a part of the evaluation process, staff recognize, update, and develop when needed: ADA design guidelines, internal practices, and methodologies. Intradepartmental (internal) coordination of design guidance and best practices for projects will help avoid inconsistencies in the pedestrian environment.

County staff meets with outside agencies (e.g. MnDOT, cities within Hennepin County, and adjacent counties) to discuss ADA design standards, agency practices, and methodologies. This interagency coordination includes administration and management working cooperatively to define practices and recommend policy. This also occurs as project managers coordinate with internal and external project managers and practitioners to collaborate and share lessons learned.

County and Minneapolis staff coordinate on each agency's approach to providing access and ADA conformance and implementing their ADA guidance, best practices, and Transition Plans. This coordination with Minneapolis is important since it is the largest city in the county based on geographic area and high population density. Staff also coordinates with other cities within Hennepin County and the region in the review and implementation of current ADA guidance, best practices and compliance efforts.

Staff Development

Hennepin County actively promotes ADA-related training. The continued education of staff is a priority. The internal and external knowledge exchange of existing, evolving, and new practices related to ADA and accessibility are vital to accomplishing the purpose of this document. Appendix I provides a listing of ADA-related training that have been attended by county staff.
Self Evaluation

Hennepin County is required, under Title II of the ADA and 28 CFR 35.105, to perform a self evaluation of its policies, practices, and programs. While Hennepin County performed a self evaluation in 1992, it did not focus on transportation infrastructure. The goal of this self evaluation is to verify that, in implementing the policies and practices, the county is providing accessibility and not adversely affecting the full participation of individuals with disabilities. The self evaluation identifies policies and practices that affect accessibility and examine county implementation of these policies. The self evaluation examines the condition of the county's PCR/PARs and identifies any existing infrastructure needs. **Accessibility barriers identified in the self evaluation are provided in Appendix C. A plan and schedule for removing these identified barriers is expected to be completed by the end of 2016.**

**Policies**

The policies include any Hennepin County policy, including any department or division policy, which directs staff in their daily work activities related to ADA conformance and accessibility within the public rights of way. **Discussion of these polices and the results of the self evaluation are included in Appendix C.** As new policies are developed and existing policies are revised, the county will verify that their guidance and implementation do not cause barriers to accessibility.

**Practices**

Practices include any methods that management endorses. As a normal course of operation, the county continually reviews and evaluates its practices, or "how we conduct business," to ensure that our actions do not negatively affect accessibility. This will also occur within the context of our self evaluation. **Appendix C provides information regarding identified accessibility issues related to practices and any proposed or implemented remedy.**

**Programs (Inventory of built PCR/PAR environment)**

Programs address the PCR/PAR environment that is planned, designed, constructed, or maintained by the county, and located along the county highway system and within county highway rights of way. In the context of ADA, this includes the county's built pedestrian environment (e.g. sidewalks, pedestrian ramps, trails, signals, transit shelters, benches, bicycle racks and crosswalks).

**Assessment of System Accessibility**

As part of the self evaluation process, the county annually identifies priority areas for pedestrian ramp and sidewalk accessible infrastructure improvements, based on identified accessibility deficiencies on the county's transportation system including the location and context of the identified deficiencies. These improvements will be funded with Pedestrian Ramp, Sidewalk Participation, and Pavement Preservation Plus funds provided through their respective Generic Line Items within the annual CIP.

Appendix E lists the capital funding for accessibility by year for each of the funding categories. Moving forward, the county will continue work on accessibility improvements based on anticipated category funding levels.
The methodology to **identify priority areas is provided in Appendix C**, which is part of the overall plan and schedule to achieve compliance along the county highway system and within the county highway rights of way.

**Public Involvement for the Self Evaluation**

In compliance with 28 CFR 35.105, and as part of Hennepin County’s ongoing self evaluation process, the county is required to provide an opportunity to interested persons or organizations representing individuals with disabilities to participate. Those wishing to participate in the self evaluation process may submit comments by contacting key staff (Appendix B) or through the Grievance Procedure (Appendix B).
Transition Plan

The county, under Title II of the ADA and 28 CFR 35.150, is required to develop a transition plan to provide the opportunity for the full participation of individuals with disabilities. The Transition Plan presents the results of the self evaluation, provides contact information for key staff and responsible officials, and describes the grievance procedure. This Transition Plan for county rights of way supplements Hennepin County’s Transition Plan that was created in 1992. This plan is focused only on transportation infrastructure in county rights of way. The appendix of this plan contains the following information related to accessibility and infrastructure on the county highway system and within county highway rights of way:

- The grievance procedure (Appendix A)
- Contact information for county officials and key Transportation Department staff responsible for the implementation of the Transition Plan (Appendix B)
- Proposed changes to portions of or entire policies and practices (if any), that may limit accessibility (Appendix C)
- Information on physical barriers that may limit accessibility (Appendix C)
- A description (plan) of how the county will make its programs accessible (remove physical barriers) (Appendix C)
- A schedule for the implementation of the county's plan to make its programs accessible (remove physical barriers) (Appendix C)

The county will regularly update information in the appendices of the Transition Plan as described in the Public Involvement for the Transition Plan section.

Public Involvement for the Transition Plan

When updating the body of the Transition Plan the public will be advised according to the Public Involvement Plan (Appendix H).

Plan Management

Hennepin County is committed to improving accessibility on the county highway system and within the county highway rights of way. The county is responsible for fulfilling the requirements of ADA rules, design guidance, and best practices. This is considered a starting point and should not be assumed to be all-inclusive.

Plan Implementers

The organizational chart on the following page lists the various divisions within the Transportation Departments that are involved with ADA related items. Specific contract information for each of the divisions may be found in Appendix B.
The contact information for the responsible officials and key department staff is listed in Appendix B.

Policies

Policies identified and reviewed as part of the self evaluation are listed in Appendix C. Those policies, or sections of policies, if any, that may limit accessibility and the full participation of individuals with disabilities and the proposed modifications to those policies will also be included in Appendix C. Staff will bring forward any proposed modifications to the Assistant County Administrator of Public Works for review, discussion, and acceptance.

Practices

Listed in Appendix C are those identified practices, if any, that may limit accessibility and the full participation of individuals with disabilities. Any proposed or implemented changes to those practices will also be included in Appendix C.
Appendix A: How to File a Hennepin County ADA Grievance

In accordance with 28 CFR 35.107(b), the county has developed the following ADA grievance procedure for the purpose of the prompt and equitable resolution of citizens’ complaints, concerns, comments, and other grievances.

The county understands that members of the public may desire to contact staff to discuss ADA issues without filing a formal grievance. Members of the public wishing to contact the Transition Plan Implementation Engineer should reference the contact information in the Key Transportation Department Staff Contact Information section of Appendix B. Contacting staff to informally discuss ADA issues is welcome and does not limit a person’s ability or right to file a formal grievance later.

Those wishing to file a formal written grievance with Hennepin County may do so by one of the following methods:

**Internet**

Please visit [www.hennepin.us/your-government/open-government/ada-grievance-public-form](http://www.hennepin.us/your-government/open-government/ada-grievance-public-form) to file a grievance online. A copy of the Hennepin County Grievance Form is included in this document in Appendix A.

**Telephone**

Contact Hennepin County’s ADA Coordinator listed in the Responsible Officials Contact Information section of Appendix B to submit an oral grievance. The staff person will use the internet to electronically submit the grievance on behalf of the person filing it.

**Paper Submission**

A paper copy of the county’s grievance form is available by request from Hennepin County’s ADA Coordinator (contact information in Appendix B). Complete the form and submit it to the Hennepin County ADA Coordinator at the address listed.

Hennepin County will acknowledge receipt of the grievance to the citizen within 10 working days of the submission. County staff will then provide a response or resolution to the grievance or will provide information on when the citizen can expect a response. If the grievance filed does not fall within Hennepin County’s jurisdiction, staff will work with the citizen to contact the agency with jurisdiction.

When possible (typically within 60 calendar days or less of the grievance submission) county staff will conduct an investigation to determine the validity of the alleged violation. As a part of the investigation, internal staff will be consulted to fully understand the complaint and possible solutions. Hennepin County staff will contact the citizen to discuss the investigation and proposed resolution.
Hennepin County will consider all grievances within its particular context or setting. Furthermore, the department will consider many varying circumstances including: access to applicable services, programs, or facilities; the nature of the disability; essential eligibility requirements for participation; health and safety of others; and degree to which a potential solution would constitute a fundamental alteration to the program, service, or facility, or cause undue hardship to Hennepin County.

Accordingly, the resolution by Hennepin County of any one grievance does not constitute a precedent upon which the county is bound or upon which other complaining parties may rely.

Complaints of Title II violations may be filed with the Department of Justice (DOJ) within 180 days of the date of discrimination. In certain situations, cases may be referred to a mediation program sponsored by the DOJ. The DOJ may bring a lawsuit where it has investigated a matter and has been unable to resolve violations.

For more information, contact:

U.S. Department of Justice
Civil Rights Division
950 Pennsylvania Avenue, N.W.
Disability Rights Section – NYAV
Washington, D.C. 20530

www.ada.gov
(800) 514-0301 (voice)
(800) 514-0383 (TTY)

Title II may also be enforced through private lawsuits in Federal court. It is not necessary to file a complaint with the DOJ or any other Federal agency, or to receive a "right-to-sue" letter, before going to court.

File Retention

Hennepin County shall maintain ADA grievance files on behalf of the county for a period of seven years.
Hennepin County ADA Grievance Form

Instructions: Please fill out this form completely and submit to:
Hennepin County ADA Coordinator
Hennepin County Human Resources
Hennepin County Government Center, A-040
300 South Sixth Street
Minneapolis, MN 55487
Or it can be e-mailed to: jim.ramnaraine@hennepin.us

Complainant – person filing grievance:
Name: ____________________________________ Date______________________________
Address: _________________________ City, State, Zip Code: ________________________
Home: ______________________________ Cell: _____________________________
Work: ______________________________ Email: _____________________________

Representing – person claiming an accessibility issue or alleging and ADA violation (if not the complainant):
Name: ___________________________
Address: _________________________ City, State, Zip Code: ________________________
Home: ______________________________ Cell: _____________________________
Work: ______________________________ Email: _____________________________

Description and location of the alleged violation and the nature of a remedy sought.
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

If the complainant has filed the same complaint or grievance with the United States Department of Justice (DOJ), another federal or state civil rights agency, a court, or others, the name of the agency or court where the complainant filed it and the filing date.
Agency or Court:___________________ Contact Person: _____________________________
Address: _________________________ City, State, and Zip Code:_______________________
Telephone Number: ________________ Date Filed: _________________________________
Appendix B: Responsible Officials and Key Department Staff

Responsible Officials Contact Information

County Administration - Public Works
Debra Brisk, PE
Assistant County Administrator – Public Works
A-2303 Government Center
300 South Sixth Street
Minneapolis, MN 55487
debra.brisk@hennepin.us
612-348-4306

Transportation Department - Project Delivery
James Grube, PE
Transportation Department – Director of Project Delivery and County Highway Engineer
1600 Prairie Drive
Medina, MN 55340
james.grube@hennepin.us
612-596-0307

Transportation Department - Road and Bridge Operations
Christopher Sagsveen, PE
Transportation Department – Director of Operations
1600 Prairie Drive
Medina, MN 55340
chris.sagsveen@hennepin.us
612-596-0330

Hennepin County ADA Coordinator
James Ramnaraine
Human Resources
Hennepin County Government Center
A-700 300 South 6th Street
Minneapolis, MN 55487
james.ramnaraine@hennepin.us
612-348-7741
Key Transportation Department Staff Contact Information

**Transition Plan Implementation Engineer**
Jason Pieper, EIT
Transportation Engineer, Transportation Planning Division
1600 Prairie Drive
Medina, MN 55340
jason.pieper@hennepin.us
612-596-0241

**Traffic Signal Systems**
Gregory Chock, PE
Administrative Engineer, Operations Division
1600 Prairie Drive
Medina, MN 55340
gregory.chock@hennepin.us
612-596-0758

**Design (Capital Projects)**
Nicholas Peterson, PE
Administrative Engineer, Design Division
1600 Prairie Drive
Medina, MN 55340
nicholas.peterson@hennepin.us
612-596-0382

**Planning and Programming**
Carla Stueve, PE, PTOE
Administrative Engineer, Transportation Planning Division
1600 Prairie Drive
Medina, MN 55340
carla.stueve@hennepin.us
612-596-0356

**Multi-Use Trails and Sidewalks**
Kelley Yemen, AICP
Bicycle and Pedestrian Coordinator, Planning, Policy & Land Management
701 Fourth Avenue South, Suite 400
Minneapolis, MN 55415
kelley.yemen@hennepin.us
612-543-1963
Construction (Temporary Pedestrian Access Route)

Harlan Hanson, PE
Administrative Engineer, Construction Division
1600 Prairie Drive
Medina, MN 55340
harlan.hanson@hennepin.us
612-596-0340

Maintenance, Permits, and Utilities

Brian Langseth
Senior Administrative Manager, Operations Division
1600 Prairie Drive
Medina, MN 55340
brian.langseth@hennepin.us
612-596-0332
Appendix C: Hennepin County Self Evaluation

Review of Policies and Practices

Policies

The county’s policies include any county, department, or division policies that direct staff in its daily work activities. Policies that relate to accessibility and ADA conformance include:

Complete Streets Policy

Hennepin County adopted its Complete Streets Policy on July 14, 2009 with the goal of providing facilities that are safe and convenient for each transportation mode. The Complete Streets Policy is implemented by first identifying the needs of the user, and then by reviewing the characteristics of the project site to determine which elements to include. A project that aligns with the goal of the Complete Streets Policy may include one or more of these components:

- Sidewalks or trails
- Pedestrian crossings
- On-street parking
- Landscaping elements
- Streamlined road design
- Bike facilities

Active Living Policy

The Active Living Hennepin County partnership consists of cities, state and local governments, businesses, and nonprofits working together to increase opportunities for daily physical activity. Hennepin County launched its Active Living initiative in 2006 with the goal of integrating health with land use and transportation decision-making. Active Living Hennepin County hosts workshops on various topics and provides technical assistance to cities on various strategies, policies, and infrastructure.
Community Works Program

The Hennepin County Community Works Program has partnered with cities, state and local governments, businesses, neighborhood organizations, and county residents to enhance how the communities of Hennepin County work together to create good jobs, provide access to employment, and build the long term value of communities. Hennepin County established its Community Works Program in 1994, and since then, has invested in infrastructure, public works, parks, and the natural environment in order to improve the existing implementation systems. The goals of the Hennepin County Community Works Program are listed below:

- Enhance the tax base
- Stimulate economic development and job growth
- Strengthen and connect places and people
- Innovate and advance sustainability
- Lead collaborative planning and implementation

Policies for Cost Participation between Hennepin County and other Agencies

Hennepin County adopted its cost-participation policy to determine appropriate funding levels for cooperative roadway, traffic signal, and bridge construction projects with the Minnesota Department of Transportation, municipalities, and other agencies. Cost-participation policies were originally established by Hennepin County in 1978 and have since been revised in 1993, 1999, and 2011. The Hennepin County Capital Improvement Program (CIP) has three annual funding programs to support sidewalk related projects countywide:

- Curb Ramp Program - Provides funding to construct ADA compliant curb ramps at intersections
- Sidewalk Program - Provides funding for the county’s cost participation of sidewalk improvements
- Pavement Preservation Plus Program – Provides funding for infrastructure improvements where opportunities existing that are not normally considered as part of overlay projects

The amount of funding allocated to the programs is detailed in Table E-1 (Appendix E).

Practices

The county’s practices include any county, department, and division practices that direct staff in its daily work activities. Practices that relate to accessibility and ADA compliance include:

Urban Landscape / Streetscape Guidelines

Hennepin County developed Recommended Urban Landscape / Streetscape Guidelines to provide criteria for the design of landscaping and streetscaping elements within a project. Criteria related to pedestrian facilities in the guidelines include: boulevards, crosswalks, curb ramps, medians, sidewalks, street lighting, and traffic signals. Hennepin County is currently working with a consulting agency to develop an update that is expected to be completed by the end of 2015.
Review of Programs (Pedestrian Infrastructure)

During 2013 and 2014, Hennepin County inventoried pedestrian ramps and sidewalks within the county highway rights of way and along county roadways. Hennepin County also identified which traffic signals on the county highway system include Accessible Pedestrian Signals (APS).

Pedestrian Ramps

All pedestrian ramps within county highway rights of way were identified as one of four categories:

Case 1 - Ramp replaced by county staff since 2011 (corresponding compliance checklist completed).
Case 2 - Ramp has a truncated dome, which may or may not have been replaced by county staff (no compliance checklist completed).
Case 3 - Ramp does not have a truncated dome. However, the ramp does not present a significant physical barrier for pedestrians.
Case 4 - Ramp is in need modification. A priority is included for this case based on the condition of the pedestrian ramp and its geographic location relative to pedestrian activity.

Table C-1 provides results from the pedestrian ramp inventory within county highway rights of way.

<table>
<thead>
<tr>
<th>Case</th>
<th>Number of Ramps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1</td>
<td>1,399 ramps</td>
</tr>
<tr>
<td>Case 2</td>
<td>4,712 ramps</td>
</tr>
<tr>
<td>Case 3</td>
<td>6,586 ramps</td>
</tr>
<tr>
<td>Case 4*</td>
<td>149 ramps</td>
</tr>
<tr>
<td>Approximate Total</td>
<td>12,846 ramps</td>
</tr>
</tbody>
</table>

*Identified priority locations

Pedestrian ramps that have been categorized as Case 4 will be identified as candidates for future projects. The timeline for modification of each of these pedestrian ramps will depend on its priority ranking, correlation to planned projects, and available funding. A detailed list of these instances may be obtained by request to the Transition Plan Implementation Engineer.

Pedestrian ramp information by municipality is provided later in this Appendix (Table C-5), including:

- Results of the pedestrian ramp inventory within the county highway rights of way
- Recent pedestrian ramp replacement
- Planned pedestrian ramp replacement
- Preliminary cost estimate for pedestrian ramp replacement
In addition to the pedestrian ramp reports by municipality, a detailed map of each intersection is available by request from the Transition Plan Implementation Engineer. Figure C-1 shows an example of the inventory.

Figure C-1
Pedestrian Ramp Intersection Map - Example
Sidewalks

The sidewalk facilities within county highway rights of way and along county roadways outside of Minneapolis were inventoried and evaluated to determine existing characteristics such as length and type (concrete or bituminous) and to identify existing defects and obstructions. Sidewalks within the City of Minneapolis were not included in the initial inventory and evaluation because the City of Minneapolis currently performs its own sidewalk inspection program. However, to complete the self evaluation process, the county will inventory and evaluate the sidewalks in Minneapolis by the end of 2016 as staff is available.

City of Minneapolis Sidewalk Inspection Program
The City of Minneapolis performs an inspection on all sidewalks within its boundary, including sidewalks along Hennepin County roadways, as part of its sidewalk inspection program. Sidewalk deficiencies that Minneapolis staff identify during the inspection process include:

- Damage that could cause pedestrians to fall
- Damage that could impede wheelchair users or disabled pedestrians
- Common defects; such as breaks, unevenness, and projecting or settling sections

If a section of sidewalk is identified as defective by City of Minneapolis staff, a notice is sent to the property owner. The notice outlines the defect(s), along with an estimated cost for replacement that will be responsibility of the property owner.

Sidewalk Evaluation Outside the City of Minneapolis
All sidewalk facilities outside the City of Minneapolis within county rights of way were identified as one or two of the following four categories. Table C-2 provides a summary of the sidewalk inventory completed.

Case 1 - Concrete sidewalk
Case 2 - Bituminous sidewalk
Case 3 - Concrete sidewalk in need of maintenance
Case 4 - Bituminous sidewalk in need of maintenance

<table>
<thead>
<tr>
<th>Case</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1</td>
<td>213.86 miles</td>
</tr>
<tr>
<td>Case 2</td>
<td>153.91 miles</td>
</tr>
<tr>
<td>Case 3</td>
<td>0.65 miles</td>
</tr>
<tr>
<td>Case 4</td>
<td>0.11 miles</td>
</tr>
<tr>
<td>Approximate Total</td>
<td>367.77 miles</td>
</tr>
</tbody>
</table>

The most commonly identified deficiencies during the sidewalk inventory are shown in Figure C-2. Sidewalks that are categorized as Case 3 or 4 will be identified as candidates for future projects. The timeline for replacement of these sidewalks will depend on priority ranking, correlation to planned projects, and available funding. A detailed list of these instances may be obtained upon request to the Transition Plan Implementation Engineer.
Figure C-2
Commonly Identified Deficiencies

Vertical Discontinuity

Horizontal Discontinuity

Cross Slope

Cracking

Ponding

Vegetation

Spalling

Vertical Slope
In addition to sidewalk defects, staff also identified obstructions within the PAR along sidewalks outside of the City of Minneapolis within county rights of way. Figure C-3 provides examples of obstructions that were most commonly found along sidewalks.

**Figure C-3**

**Sidewalk Obstruction Examples**

- Fire Hydrant
- Lighting Pole
- Traffic Signal Handhole
- Traffic Signal Pole
- Utility Pole
- Water Gate Valve
Table C-3 shows severe instances of identified obstructions along sidewalks located outside the City of Minneapolis but within the county highway rights of way.

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Instances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Traffic Signal</td>
<td>0</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td>1</td>
</tr>
<tr>
<td>Driveway</td>
<td>0</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td>1</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td>2</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td>1</td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td>2</td>
</tr>
<tr>
<td>Handhole - Traffic Signal</td>
<td>6</td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td>0</td>
</tr>
<tr>
<td>Mailbox</td>
<td>1</td>
</tr>
<tr>
<td>Manhole</td>
<td>0</td>
</tr>
<tr>
<td>Pedestrian Station</td>
<td>0</td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td>0</td>
</tr>
<tr>
<td>Pole - Signal</td>
<td>1</td>
</tr>
<tr>
<td>Pole - Utility</td>
<td>9</td>
</tr>
<tr>
<td>Poor Concrete</td>
<td>2</td>
</tr>
<tr>
<td>Sign</td>
<td>0</td>
</tr>
<tr>
<td>Tree</td>
<td>0</td>
</tr>
<tr>
<td>Vegetation</td>
<td>1</td>
</tr>
</tbody>
</table>

Instances of a severe obstruction will be identified as candidates for future projects. The timeline for addressing these obstructions will depend on priority ranking, correlation to planned projects, and available funding. A detailed list of these instances may be obtained from the Transition Plan Implementation Engineer.

Sidewalk information reported by municipality is provided in the sidewalk inventory which includes the following:

- Sidewalk inventory results (outside the City of Minneapolis) within the county highway rights of way
- Preliminary cost estimate for sidewalk replacement due to severe defects
- Preliminary cost estimate for severe obstruction removal along sidewalks
In addition to the sidewalk reports available for each municipality, a detailed map of severe sidewalk defects and obstructions within Hennepin County is available by request from the Transition Plan Implementation Engineer. A sample map is shown in Figure C-4.

**Figure C-4**
Sidewalk Defects and Obstructions Map
Accessible Pedestrian Signals (APS)

The traffic signals within county highway rights of way and along its county roadways were evaluated in 2014 to determine the number of APS. This information will be updated annually as traffic signals are installed or replaced along the county roadway system. An example of the component that communicates to pedestrians the “WALK” and “DON’T WALK” phases is shown in Figure C-5.

Figure C-5
Traffic Signal Pedestrian Phase

More detailed information regarding the Hennepin County’s Policy for the installation of Accessible Pedestrian Signals may be found in Appendix D. Table C-4 provides the results of APS Evaluation by municipality, which includes the number of traffic signals, number of APS and number of inaccessible pedestrian signals. Figure C-6 provides a map with the traffic signal locations that currently provide APS and the locations of traffic signals that do not currently provide this feature.
Table C-4
Results of APS Evaluation

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Traffic Signals</th>
<th>With APS</th>
<th>Without APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloomington</td>
<td>62</td>
<td>3</td>
<td>59</td>
</tr>
<tr>
<td>Brooklyn Center</td>
<td>16</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>Brooklyn Park</td>
<td>60</td>
<td>2</td>
<td>58</td>
</tr>
<tr>
<td>Champlin</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Corcoran</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Crystal</td>
<td>17</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>Dayton</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Eden Prairie</td>
<td>34</td>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>Edina</td>
<td>26</td>
<td>3</td>
<td>23</td>
</tr>
<tr>
<td>Excelsior</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Golden Valley</td>
<td>14</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Hopkins</td>
<td>11</td>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td>Long Lake</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Maple Grove</td>
<td>55</td>
<td>1</td>
<td>54</td>
</tr>
<tr>
<td>Medina</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Minneapolis</td>
<td>355</td>
<td>21</td>
<td>334</td>
</tr>
<tr>
<td>Minnetonka</td>
<td>34</td>
<td>3</td>
<td>31</td>
</tr>
<tr>
<td>Minnetrista</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Mound</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>New Hope</td>
<td>14</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>Orono</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Osseo</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Plymouth</td>
<td>40</td>
<td>0</td>
<td>40</td>
</tr>
<tr>
<td>Richfield</td>
<td>28</td>
<td>5</td>
<td>23</td>
</tr>
<tr>
<td>Robbinsdale</td>
<td>12</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>Rogers</td>
<td>6</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Shorewood</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Spring Park</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Saint Anthony</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Saint Louis Park</td>
<td>21</td>
<td>0</td>
<td>21</td>
</tr>
<tr>
<td>Wayzata</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>837</strong></td>
<td><strong>50</strong></td>
<td><strong>787</strong></td>
</tr>
</tbody>
</table>
Figure C-6
APS and Non-APS Traffic Signals
### Pedestrian Ramp Inventory

**Municipality:** Bloomington

#### Pedestrian Ramp Inventory within the City of Bloomington

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>409</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>745</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Total number of ramps</td>
<td>1169</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Bloomington

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Old Shakopee Road, 98th Street, 24th Avenue South</td>
<td>-</td>
<td>163</td>
<td>347</td>
<td>-</td>
<td>510</td>
</tr>
<tr>
<td>17</td>
<td>France Avenue South</td>
<td>-</td>
<td>68</td>
<td>84</td>
<td>9</td>
<td>161</td>
</tr>
<tr>
<td>28</td>
<td>Bush Lake Road</td>
<td>-</td>
<td>32</td>
<td>38</td>
<td>3</td>
<td>73</td>
</tr>
<tr>
<td>31</td>
<td>Xerxes Avenue South</td>
<td>-</td>
<td>13</td>
<td>5</td>
<td>-</td>
<td>18</td>
</tr>
<tr>
<td>32</td>
<td>Penn Avenue South</td>
<td>-</td>
<td>50</td>
<td>95</td>
<td>1</td>
<td>146</td>
</tr>
<tr>
<td>34</td>
<td>Normandale Avenue South</td>
<td>-</td>
<td>5</td>
<td>76</td>
<td>-</td>
<td>81</td>
</tr>
<tr>
<td>35</td>
<td>Portland Avenue South</td>
<td>-</td>
<td>39</td>
<td>40</td>
<td>-</td>
<td>79</td>
</tr>
<tr>
<td>52</td>
<td>Nicollet Avenue South</td>
<td>-</td>
<td>39</td>
<td>60</td>
<td>2</td>
<td>101</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Bloomington

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Future Pedestrian Ramp Replacement in Bloomington

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>Normandale Boulevard</td>
<td>9748</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>East Bush Lake Road</td>
<td>1412</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Bloomington

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>196</td>
<td>151</td>
<td>$1,690,000</td>
</tr>
<tr>
<td>17</td>
<td>58</td>
<td>35</td>
<td>$442,000</td>
</tr>
<tr>
<td>28</td>
<td>32</td>
<td>9</td>
<td>$182,000</td>
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<tr>
<td>31</td>
<td>5</td>
<td>-</td>
<td>$20,000</td>
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<tr>
<td>32</td>
<td>45</td>
<td>51</td>
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<td>34</td>
<td>38</td>
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<td>$380,000</td>
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<td>35</td>
<td>21</td>
<td>19</td>
<td>$198,000</td>
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<tr>
<td>52</td>
<td>40</td>
<td>22</td>
<td>$292,000</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>$</td>
</tr>
</tbody>
</table>
# Pedestrian Ramp Inventory

## Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Brooklyn Center

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>22</td>
<td>2</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>57</td>
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<td>-</td>
<td>$ 56,000</td>
</tr>
<tr>
<td>130</td>
<td>4</td>
<td>1</td>
<td>$ 22,000</td>
</tr>
<tr>
<td>152</td>
<td>51</td>
<td>50</td>
<td>$ 504,000</td>
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</tr>
</tbody>
</table>

## Pedestrian Ramp Inventory by Roadway in Brooklyn Center

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Bass Lake Road/58th Avenue North, 57th Avenue North</td>
<td>-</td>
<td>68</td>
<td>24</td>
<td>-</td>
<td>92</td>
</tr>
<tr>
<td>57</td>
<td>Humboldt Avenue North, 57th Avenue North</td>
<td>2</td>
<td>9</td>
<td>14</td>
<td>-</td>
<td>25</td>
</tr>
<tr>
<td>130</td>
<td>69th Avenue North</td>
<td>-</td>
<td>15</td>
<td>5</td>
<td>-</td>
<td>20</td>
</tr>
<tr>
<td>152</td>
<td>Brooklyn Boulevard, Osseo Road</td>
<td>2</td>
<td>26</td>
<td>101</td>
<td>-</td>
<td>129</td>
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## Recent Pedestrian Ramp Replacement in Brooklyn Center

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Bass Lake Road</td>
<td>0929</td>
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</tbody>
</table>

## Future Pedestrian Ramp Replacement in Brooklyn Center

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

## Pedestrian Ramp Inventory within the City of Brooklyn Center

<table>
<thead>
<tr>
<th>Case 1</th>
<th>Case 2</th>
<th>Case 3</th>
<th>Case 4</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>Number of ramps that appear substantially compliant</td>
<td>Number of ramps without truncated domes</td>
<td>Number of ramps in need of construction or modification</td>
<td>Total number of ramps</td>
</tr>
<tr>
<td>4</td>
<td>118</td>
<td>144</td>
<td>0</td>
<td>266</td>
</tr>
</tbody>
</table>

**Municipality:** Brooklyn Center

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**Municipality:** Brooklyn Center
## Pedestrian Ramp Inventory

### Pedestrian Ramp Inventory within the City of Brooklyn Park

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>91</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>548</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td><strong>Total: Total number of ramps</strong></td>
<td>648</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Brooklyn Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>West Broadway Avenue, 71st Avenue North</td>
<td>-</td>
<td>2</td>
<td>9</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>Noble Parkway North, West River Road</td>
<td>-</td>
<td>12</td>
<td>50</td>
<td>-</td>
<td>62</td>
</tr>
<tr>
<td>14</td>
<td>Zane Avenue North, Douglas Drive North</td>
<td>-</td>
<td>10</td>
<td>105</td>
<td>-</td>
<td>115</td>
</tr>
<tr>
<td>30</td>
<td>7th Street Northeast, 93rd Avenue North</td>
<td>-</td>
<td>5</td>
<td>7</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>81</td>
<td>Bottineau Old County Road 15</td>
<td>-</td>
<td>1</td>
<td>42</td>
<td>-</td>
<td>43</td>
</tr>
<tr>
<td>103</td>
<td>West Broadway Avenue, Winnetka Avenue North</td>
<td>-</td>
<td>3</td>
<td>45</td>
<td>5</td>
<td>53</td>
</tr>
<tr>
<td>109</td>
<td>85th Avenue North</td>
<td>-</td>
<td>44</td>
<td>127</td>
<td>-</td>
<td>171</td>
</tr>
<tr>
<td>130</td>
<td>Brooklyn Boulevard, West Broadway Avenue, Lakeland</td>
<td>-</td>
<td>10</td>
<td>90</td>
<td>1</td>
<td>101</td>
</tr>
<tr>
<td>152</td>
<td>Brooklyn Boulevard</td>
<td>-</td>
<td>4</td>
<td>73</td>
<td>2</td>
<td>79</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Brooklyn Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>7th Street North/93rd Avenue North</td>
<td>9846</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Brooklyn Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>103</td>
<td>West Broadway</td>
<td>0514</td>
<td></td>
<td>21</td>
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<tr>
<td>103</td>
<td>West Broadway</td>
<td>9239</td>
<td></td>
<td>24</td>
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<tr>
<td>81</td>
<td>Bottineau Boulevard</td>
<td>0203</td>
<td></td>
<td>31</td>
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</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Brooklyn Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>5</td>
<td>5</td>
<td>$ 50,000</td>
</tr>
<tr>
<td>12</td>
<td>33</td>
<td>17</td>
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<tr>
<td>14</td>
<td>64</td>
<td>41</td>
<td>$ 502,000</td>
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<td>1</td>
<td>7</td>
<td>$ 46,000</td>
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<td>81</td>
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<td>$ 240,000</td>
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<tr>
<td>103</td>
<td>22</td>
<td>28</td>
<td>$ 256,000</td>
</tr>
<tr>
<td>109</td>
<td>69</td>
<td>58</td>
<td>$ 624,000</td>
</tr>
<tr>
<td>130</td>
<td>58</td>
<td>33</td>
<td>$ 430,000</td>
</tr>
<tr>
<td>152</td>
<td>32</td>
<td>43</td>
<td>$ 386,000</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Pedestrian Ramp Inventory within the City of Champlin

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 54 |
| Case 2: Number of ramps that appear substantially compliant | 59 |
| Case 3: Number of ramps without truncated domes | 52 |
| Case 4: Number of ramps in need of construction or modification | 12 |
| Total: Total number of ramps | 177 |

### Pedestrian Ramp Inventory by Roadway in Champlin

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>West River Road, Dayton River Road</td>
<td>6</td>
<td>23</td>
<td>41</td>
<td>9</td>
<td>79</td>
</tr>
<tr>
<td>14</td>
<td>Douglas Drive North</td>
<td>48</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>50</td>
</tr>
<tr>
<td>103</td>
<td>Winnetka Avenue North</td>
<td>-</td>
<td>2</td>
<td>6</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>121</td>
<td>French Lake Road, Tilden Avenue/Elm Creek Crossing, Hayden Lake Road</td>
<td>-</td>
<td>32</td>
<td>3</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>202</td>
<td>Zachary Lane North</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
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</table>

### Recent Pedestrian Ramp Replacement in Champlin

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td></td>
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</table>

### Future Pedestrian Ramp Replacement in Champlin

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Champlin

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>49</td>
<td>1</td>
<td>$ 202,000</td>
</tr>
<tr>
<td>14</td>
<td>-</td>
<td>2</td>
<td>$ 12,000</td>
</tr>
<tr>
<td>103</td>
<td>9</td>
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</tr>
<tr>
<td>121</td>
<td>-</td>
<td>3</td>
<td>$ 18,000</td>
</tr>
<tr>
<td>202</td>
<td>-</td>
<td>-</td>
<td>$ -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$ -</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Pedestrian Ramp Inventory within the City of Corcoran

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 0 |
| Case 2: Number of ramps that appear substantially compliant | 19 |
| Case 3: Number of ramps without truncated domes | 6 |
| Case 4: Number of ramps in need of construction or modification | 14 |

**Total:** Total number of ramps 39

### Pedestrian Ramp Inventory by Roadway in Corcoran

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Woodland Trail</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>19</td>
<td>County Road 19, Crow Hassan Park Road</td>
<td>-</td>
<td>10</td>
<td>2</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>30</td>
<td>97th Avenue North</td>
<td>-</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>50</td>
<td>Rebecca Park Trail</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>101</td>
<td>Brockton Lane North</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>116</td>
<td>Pinto Drive</td>
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<td>-</td>
<td>9</td>
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</table>

### Recent Pedestrian Ramp Replacement in Corcoran

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Corcoran

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Corcoran

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>2</td>
<td>-</td>
<td>$ 8,000</td>
</tr>
<tr>
<td>19</td>
<td>2</td>
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<td>30</td>
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<td>$ 8,000</td>
</tr>
<tr>
<td>101</td>
<td>1</td>
<td>2</td>
<td>$ 16,000</td>
</tr>
<tr>
<td>116</td>
<td>2</td>
<td>7</td>
<td>$ 50,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

**Municipality:** Crystal

### Pedestrian Ramp Inventory within the City of Crystal

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>89</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>73</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>205</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>369</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Crystal

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1</th>
<th>Case 2</th>
<th>Case 3</th>
<th>Case 4</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>West Broadway Avenue</td>
<td>-</td>
<td>14</td>
<td>43</td>
<td>2</td>
<td>59</td>
</tr>
<tr>
<td>9</td>
<td>Rockford Road, 42nd Avenue North</td>
<td>-</td>
<td>7</td>
<td>17</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>10</td>
<td>Bass Lake Road, Orchard Avenue, Bass Lake Road/58th Avenue North</td>
<td>18</td>
<td>24</td>
<td>49</td>
<td>-</td>
<td>91</td>
</tr>
<tr>
<td>70</td>
<td>Medicine Lake Road</td>
<td>-</td>
<td>-</td>
<td>16</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>81</td>
<td>Bottineau Old County Road 15, Bottineau Boulevard</td>
<td>71</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>71</td>
</tr>
<tr>
<td>102</td>
<td>Douglas Drive North</td>
<td>-</td>
<td>28</td>
<td>66</td>
<td>-</td>
<td>94</td>
</tr>
<tr>
<td>156</td>
<td>Winnetka Avenue North</td>
<td>-</td>
<td>-</td>
<td>14</td>
<td>-</td>
<td>14</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Crystal

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>81</td>
<td>Bottineau Boulevard</td>
<td>0118</td>
<td>71</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Bass Lake Road</td>
<td>0118</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Crystal

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Crystal

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>23</td>
<td>22</td>
<td>$ 224,000</td>
</tr>
<tr>
<td>9</td>
<td>17</td>
<td>-</td>
<td>$ 68,000</td>
</tr>
<tr>
<td>10</td>
<td>31</td>
<td>18</td>
<td>$ 232,000</td>
</tr>
<tr>
<td>70</td>
<td>-</td>
<td>16</td>
<td>$ 96,000</td>
</tr>
<tr>
<td>81</td>
<td>-</td>
<td>-</td>
<td>$ -</td>
</tr>
<tr>
<td>102</td>
<td>52</td>
<td>14</td>
<td>$ 292,000</td>
</tr>
<tr>
<td>156</td>
<td>-</td>
<td>14</td>
<td>$ 84,000</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory

**Municipality:** Dayton

#### Pedestrian Ramp Inventory within the City of Dayton

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>29</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>40</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Dayton

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Dayton River Road, Division Street, Robinson Street</td>
<td>-</td>
<td>-</td>
<td>25</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>81</td>
<td>County Road 81</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>202</td>
<td>Goose Lake Road, Elm Creek Road</td>
<td>-</td>
<td>3</td>
<td>4</td>
<td>-</td>
<td>7</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Dayton

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Future Pedestrian Ramp Replacement in Dayton

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>Elm Creek Road</td>
<td>0716</td>
<td>TBD</td>
<td></td>
</tr>
</tbody>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Dayton

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>30</td>
<td>-</td>
<td>$ 120,000</td>
</tr>
<tr>
<td>81</td>
<td>-</td>
<td>-</td>
<td>$ -</td>
</tr>
<tr>
<td>202</td>
<td>4</td>
<td>-</td>
<td>$ 16,000</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Pedestrian Ramp Inventory within the City of Eden Prairie

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 0 |
| Case 2: Number of ramps that appear substantially compliant | 228 |
| Case 3: Number of ramps without truncated domes | 324 |
| Case 4: Number of ramps in need of construction or modification | 1 |
| Total: Total number of ramps | 553 |

### Pedestrian Ramp Inventory by Roadway in Eden Prairie

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pioneer Trail</td>
<td>-</td>
<td>61</td>
<td>68</td>
<td>-</td>
<td>129</td>
</tr>
<tr>
<td>4</td>
<td>Spring Road, Eden Prairie Road</td>
<td>-</td>
<td>46</td>
<td>104</td>
<td>-</td>
<td>150</td>
</tr>
<tr>
<td>39</td>
<td>Valley View Road</td>
<td>-</td>
<td>2</td>
<td>48</td>
<td>-</td>
<td>50</td>
</tr>
<tr>
<td>60</td>
<td>Mitchell Road, Baker Road</td>
<td>-</td>
<td>26</td>
<td>34</td>
<td>-</td>
<td>60</td>
</tr>
<tr>
<td>61</td>
<td>Flying Cloud Drive, Shady Oak Road</td>
<td>-</td>
<td>85</td>
<td>36</td>
<td>1</td>
<td>122</td>
</tr>
<tr>
<td>62</td>
<td>West 62nd Street/Townline Road</td>
<td>-</td>
<td>8</td>
<td>25</td>
<td>-</td>
<td>33</td>
</tr>
<tr>
<td>101</td>
<td>Townline Road</td>
<td>-</td>
<td>-</td>
<td>9</td>
<td>-</td>
<td>9</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Eden Prairie

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pioneer Trail</td>
<td>9618</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>1</td>
<td>Pioneer Trail</td>
<td>9619</td>
<td></td>
<td>23</td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Eden Prairie

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>Flying Cloud Drive</td>
<td>0904</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>61</td>
<td>Shady Oak Road</td>
<td>1125</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Eden Prairie

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>43</td>
<td>25</td>
<td>$322,000</td>
</tr>
<tr>
<td>4</td>
<td>60</td>
<td>44</td>
<td>$504,000</td>
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<tr>
<td>39</td>
<td>30</td>
<td>18</td>
<td>$228,000</td>
</tr>
<tr>
<td>60</td>
<td>20</td>
<td>14</td>
<td>$164,000</td>
</tr>
<tr>
<td>61</td>
<td>4</td>
<td>33</td>
<td>$214,000</td>
</tr>
<tr>
<td>62</td>
<td>14</td>
<td>11</td>
<td>$122,000</td>
</tr>
<tr>
<td>101</td>
<td>4</td>
<td>5</td>
<td>$46,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$-</td>
</tr>
</tbody>
</table>

**Municipality:** Eden Prairie
## Pedestrian Ramp Inventory within the City of Edina

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 0 |
| Case 2: Number of ramps that appear substantially compliant | 97 |
| Case 3: Number of ramps without truncated domes | 272 |
| Case 4: Number of ramps in need of construction or modification | 3 |
| **Total:** Total number of ramps | 372 |

## Pedestrian Ramp Inventory by Roadway in Edina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>France Avenue South</td>
<td>-</td>
<td>28</td>
<td>103</td>
<td>1</td>
<td>132</td>
</tr>
<tr>
<td>28</td>
<td>East Bush Lake Road</td>
<td>-</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>31</td>
<td>Xerxes Avenue South, York Avenue South</td>
<td>-</td>
<td>33</td>
<td>85</td>
<td>-</td>
<td>118</td>
</tr>
<tr>
<td>53</td>
<td>66th Street West</td>
<td>-</td>
<td>1</td>
<td>25</td>
<td>-</td>
<td>26</td>
</tr>
<tr>
<td>158</td>
<td>Gleason Road, Vernon Avenue South, 50th Street West</td>
<td>-</td>
<td>34</td>
<td>55</td>
<td>-</td>
<td>89</td>
</tr>
</tbody>
</table>

## Recent Pedestrian Ramp Replacement in Edina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

## Future Pedestrian Ramp Replacement in Edina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

## Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Edina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>48</td>
<td>56</td>
<td>$528,000</td>
</tr>
<tr>
<td>28</td>
<td>-</td>
<td>6</td>
<td>$36,000</td>
</tr>
<tr>
<td>31</td>
<td>61</td>
<td>24</td>
<td>$388,000</td>
</tr>
<tr>
<td>53</td>
<td>-</td>
<td>25</td>
<td>$150,000</td>
</tr>
<tr>
<td>158</td>
<td>40</td>
<td>15</td>
<td>$250,000</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Pedestrian Ramp Inventory within the City of Excelsior

<table>
<thead>
<tr>
<th>Case</th>
<th>Number of Ramps</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>Case 2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>7</td>
</tr>
<tr>
<td>Case 3</td>
<td>Number of ramps without truncated domes</td>
<td>28</td>
</tr>
<tr>
<td>Case 4</td>
<td>Number of ramps in need of construction or modification</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total:** Total number of ramps 37

### Pedestrian Ramp Inventory by Roadway in Excelsior

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Oak Street</td>
<td>-</td>
<td>3</td>
<td>12</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>82</td>
<td>Mill Street, Morse Avenue/Lake Street</td>
<td>-</td>
<td>4</td>
<td>16</td>
<td>2</td>
<td>22</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Excelsior

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Excelsior

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Excelsior

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>2</td>
<td>10</td>
<td>$ 68,000</td>
</tr>
<tr>
<td>82</td>
<td>18</td>
<td>-</td>
<td>$ 72,000</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory

**Municipality:** Fort Snelling Terrace

#### Pedestrian Ramp Inventory within the City of Ft. Snelling Terr.

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>11</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>Total number of ramps</td>
<td>13</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Fort Snelling Terrace

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Total Ramps</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>Bloomington Road, Colville Avenue</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>205</td>
<td>Bloomington Road</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Fort Snelling Terrace

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

#### Future Pedestrian Ramp Replacement in Fort Snelling Terrace

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Fort Snelling Terrace

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>10</td>
<td>-</td>
<td>$ 40,000</td>
</tr>
<tr>
<td>205</td>
<td>3</td>
<td>-</td>
<td>$ 12,000</td>
</tr>
</tbody>
</table>

## Pedestrian Ramp Inventory

### Pedestrian Ramp Inventory within the City of Golden Valley

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>105</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>229</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>338</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Golden Valley

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Glenwood Avenue</td>
<td>-</td>
<td>17</td>
<td>54</td>
<td>1</td>
<td>72</td>
</tr>
<tr>
<td>66</td>
<td>Duluth Street, Golden Valley Road</td>
<td>2</td>
<td>46</td>
<td>37</td>
<td>-</td>
<td>85</td>
</tr>
<tr>
<td>70</td>
<td>Medicine Lake Road</td>
<td>-</td>
<td>6</td>
<td>46</td>
<td>-</td>
<td>52</td>
</tr>
<tr>
<td>102</td>
<td>Douglas Avenue, Douglas Drive North</td>
<td>-</td>
<td>18</td>
<td>42</td>
<td>-</td>
<td>60</td>
</tr>
<tr>
<td>156</td>
<td>Winnetka Avenue North</td>
<td>-</td>
<td>18</td>
<td>50</td>
<td>1</td>
<td>69</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Golden Valley

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Douglas Drive North</td>
<td>1007</td>
<td></td>
<td>57</td>
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</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Golden Valley

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>34</td>
<td>21</td>
<td>$ 262,000</td>
</tr>
<tr>
<td>66</td>
<td>31</td>
<td>8</td>
<td>$ 172,000</td>
</tr>
<tr>
<td>70</td>
<td>33</td>
<td>13</td>
<td>$ 210,000</td>
</tr>
<tr>
<td>102</td>
<td>18</td>
<td>24</td>
<td>$ 216,000</td>
</tr>
<tr>
<td>156</td>
<td>30</td>
<td>21</td>
<td>$ 246,000</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory within the City of Greenfield

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 0 |
| Case 2: Number of ramps that appear substantially compliant | 6 |
| Case 3: Number of ramps without truncated domes | 5 |
| Case 4: Number of ramps in need of construction or modification | 0 |
| **Total: Total number of ramps** | **11** |

### Pedestrian Ramp Inventory by Roadway in Greenfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>Rebecca Park Trail</td>
<td>-</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>92</td>
<td>Dogwood Street</td>
<td>-</td>
<td>6</td>
<td>1</td>
<td>-</td>
<td>7</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Greenfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Greenfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Greenfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>4</td>
<td>-</td>
<td>$ 16,000</td>
</tr>
<tr>
<td>92</td>
<td>1</td>
<td>-</td>
<td>$ 4,000</td>
</tr>
</tbody>
</table>
# Pedestrian Ramp Inventory

## Pedestrian Ramp Inventory within the City of Hopkins

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>11</td>
</tr>
<tr>
<td>Case 2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>51</td>
</tr>
<tr>
<td>Case 3</td>
<td>Number of ramps without truncated domes</td>
<td>129</td>
</tr>
<tr>
<td>Case 4</td>
<td>Number of ramps in need of construction or modification</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Total number of ramps</td>
<td>192</td>
</tr>
</tbody>
</table>

## Pedestrian Ramp Inventory by Roadway in Hopkins

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Excelsior Boulevard</td>
<td>1</td>
<td>33</td>
<td>99</td>
<td>1</td>
<td>134</td>
</tr>
<tr>
<td>5</td>
<td>Minnetonka Boulevard</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>20</td>
<td>Blake Road North</td>
<td>-</td>
<td>10</td>
<td>26</td>
<td>-</td>
<td>36</td>
</tr>
<tr>
<td>61</td>
<td>Shady Oak Road</td>
<td>10</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td>73</td>
<td>Hopkins Crossroad</td>
<td>-</td>
<td>2</td>
<td>3</td>
<td>-</td>
<td>5</td>
</tr>
</tbody>
</table>

## Recent Pedestrian Ramp Replacement in Hopkins

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Future Pedestrian Ramp Replacement in Hopkins

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Blake Road</td>
<td>1426</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>Shady Oak Road</td>
<td>9112</td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

## Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Hopkins

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>48</td>
<td>53</td>
<td>$510,000</td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>20</td>
<td>16</td>
<td>10</td>
<td>$124,000</td>
</tr>
<tr>
<td>61</td>
<td>-</td>
<td>6</td>
<td>$36,000</td>
</tr>
<tr>
<td>73</td>
<td>-</td>
<td>3</td>
<td>$18,000</td>
</tr>
</tbody>
</table>
# Pedestrian Ramp Inventory

## Municipality: Independence

### Pedestrian Ramp Inventory within the City of Independence

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>0</td>
</tr>
</tbody>
</table>

Total: Total number of ramps | 7 |

### Pedestrian Ramp Inventory by Roadway in Independence

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>County Road 11</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>County Road 19</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>92</td>
<td>Main Street</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>110</td>
<td>County Road 110</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Independence

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Independence

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Independence

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>1</td>
<td>-</td>
<td>$4,000</td>
</tr>
<tr>
<td>19</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>92</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>110</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
</tbody>
</table>
### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Long Lake

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>4</td>
<td></td>
<td>$24,000</td>
</tr>
<tr>
<td>146</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td>112</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td>112</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory

**Municipality:** Long Lake

#### Pedestrian Ramp Inventory within the City of Long Lake

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>29</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> Total number of ramps</td>
<td>36</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Long Lake

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Wayzata Boulevard</td>
<td>-</td>
<td>19</td>
<td>4</td>
<td>-</td>
<td>23</td>
</tr>
<tr>
<td>146</td>
<td>Brown Road North</td>
<td>-</td>
<td>10</td>
<td>-</td>
<td>-</td>
<td>10</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Long Lake

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Future Pedestrian Ramp Replacement in Long Lake

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>Wayzata Boulevard</td>
<td>091101</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>Wayzata Boulevard</td>
<td>091102</td>
<td>TBD</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>Wayzata Boulevard</td>
<td>091103</td>
<td>TBD</td>
<td></td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory by Roadway in Loretto

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Medina Street North</td>
<td>-</td>
<td>14</td>
<td>-</td>
<td>-</td>
<td>14</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Loretto

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Loretto

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Loretto

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>-</td>
<td>-</td>
<td>$</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory within the City of Maple Grove

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 0 |
| Case 2: Number of ramps that appear substantially compliant | 313 |
| Case 3: Number of ramps without truncated domes | 361 |
| Case 4: Number of ramps in need of construction or modification | 23 |
| Total: Total number of ramps | 697 |

### Pedestrian Ramp Inventory by Roadway in Maple Grove

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Bass Lake Road</td>
<td>-</td>
<td>78</td>
<td>19</td>
<td>-</td>
<td>97</td>
</tr>
<tr>
<td>30</td>
<td>Rue North, 95th Avenue North, 93rd Avenue North, 7th Street</td>
<td>-</td>
<td>37</td>
<td>109</td>
<td>4</td>
<td>150</td>
</tr>
<tr>
<td>47</td>
<td>County Road 47</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>61</td>
<td>Northwest Boulevard, Hemlock Lane North</td>
<td>-</td>
<td>9</td>
<td>61</td>
<td>-</td>
<td>70</td>
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<tr>
<td>81</td>
<td>County Road 81</td>
<td>-</td>
<td>15</td>
<td>22</td>
<td>-</td>
<td>37</td>
</tr>
<tr>
<td>101</td>
<td>Brockton Lane North, Troy Lane North, 89th Avenue North</td>
<td>-</td>
<td>39</td>
<td>9</td>
<td>6</td>
<td>54</td>
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<td>109</td>
<td>Weaver Lake Road, 85th Avenue North</td>
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<td>46</td>
<td>17</td>
<td>-</td>
<td>63</td>
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<tr>
<td>121</td>
<td>Fernbrook Lane North</td>
<td>-</td>
<td>10</td>
<td>23</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td>130</td>
<td>Elm Creek Boulevard North/77th Avenue North</td>
<td>-</td>
<td>38</td>
<td>74</td>
<td>12</td>
<td>124</td>
</tr>
<tr>
<td>202</td>
<td>Zachary Lane North</td>
<td>-</td>
<td>38</td>
<td>27</td>
<td>-</td>
<td>65</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Maple Grove

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Bass Lake Road</td>
<td>0024</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>101</td>
<td>Brockton Lane North</td>
<td>0720</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Maple Grove

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Maple Grove

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>15</td>
<td></td>
<td>$106,000</td>
</tr>
<tr>
<td>30</td>
<td>21</td>
<td></td>
<td>$494,000</td>
</tr>
<tr>
<td>47</td>
<td>-</td>
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<td>$-</td>
</tr>
<tr>
<td>61</td>
<td>23</td>
<td></td>
<td>$290,000</td>
</tr>
<tr>
<td>81</td>
<td>11</td>
<td></td>
<td>$110,000</td>
</tr>
<tr>
<td>101</td>
<td>2</td>
<td></td>
<td>$64,000</td>
</tr>
<tr>
<td>109</td>
<td>15</td>
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</tr>
<tr>
<td>121</td>
<td>6</td>
<td></td>
<td>$108,000</td>
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<td>130</td>
<td>49</td>
<td></td>
<td>$442,000</td>
</tr>
<tr>
<td>202</td>
<td>11</td>
<td></td>
<td>$130,000</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Municipal: Maple Plain

### Pedestrian Ramp Inventory within the City of Maple Plain

| Case 1: Number of ramps with truncated domes that have been checked for compliance | 0 |
| Case 2: Number of ramps that appear substantially compliant | 11 |
| Case 3: Number of ramps without truncated domes | 5 |
| Case 4: Number of ramps in need of construction or modification | 0 |

**Total: Total number of ramps** 16

### Pedestrian Ramp Inventory by Roadway in Maple Plain

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Budd Avenue, Main Street East</td>
<td>-</td>
<td>7</td>
<td>5</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>29</td>
<td>Baker Park Road</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>83</td>
<td>Halgren Road</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Maple Plain

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Maple Plain

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Maple Plain

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>5</td>
<td>-</td>
<td>$20,000</td>
</tr>
<tr>
<td>29</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
<tr>
<td>83</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory

**Municipality:** Medina

#### Pedestrian Ramp Inventory within the City of Medina

<table>
<thead>
<tr>
<th>Case 1</th>
<th>Case 2</th>
<th>Case 3</th>
<th>Case 4</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
<td>46</td>
<td>27</td>
<td>80</td>
</tr>
<tr>
<td>Number of ramps that appear substantially compliant</td>
<td>46</td>
<td>27</td>
<td>7</td>
<td>80</td>
</tr>
<tr>
<td>Number of ramps without truncated domes</td>
<td>27</td>
<td>7</td>
<td>4</td>
<td>38</td>
</tr>
<tr>
<td>Number of ramps in need of construction or modification</td>
<td>7</td>
<td>4</td>
<td>4</td>
<td>15</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Medina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>County Road 19</td>
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<td>1</td>
<td>-</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>County Road 24</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Main Street East, Baker Park Road</td>
<td>-</td>
<td>3</td>
<td>1</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>101</td>
<td>County Road 101</td>
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<td>20</td>
<td>10</td>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>115</td>
<td>Hamel Road, Pinto Drive</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>116</td>
<td>Pinto Drive</td>
<td>-</td>
<td>10</td>
<td>12</td>
<td>2</td>
<td>24</td>
</tr>
<tr>
<td>118</td>
<td>Arrowhead Drive</td>
<td>-</td>
<td>6</td>
<td>2</td>
<td>-</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Medina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>116</td>
<td>-</td>
<td>0813</td>
<td></td>
<td>22</td>
</tr>
</tbody>
</table>

#### Future Pedestrian Ramp Replacement in Medina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Medina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>1</td>
<td>-</td>
<td>$4,000</td>
</tr>
<tr>
<td>24</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>29</td>
<td>1</td>
<td>-</td>
<td>$4,000</td>
</tr>
<tr>
<td>101</td>
<td>10</td>
<td>2</td>
<td>$52,000</td>
</tr>
<tr>
<td>115</td>
<td>2</td>
<td>2</td>
<td>$12,000</td>
</tr>
<tr>
<td>116</td>
<td>12</td>
<td>2</td>
<td>$60,000</td>
</tr>
<tr>
<td>118</td>
<td>2</td>
<td>2</td>
<td>$12,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory

**Municipality:** Minneapolis

#### Pedestrian Ramp Inventory within the City of Minneapolis

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>308</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>589</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>681</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>Total number of ramps</td>
<td>1585</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Penn Avenue</td>
<td>67</td>
<td>26</td>
<td>111</td>
<td>1</td>
<td>205</td>
</tr>
<tr>
<td>3</td>
<td>Excelsior Boulevard, Lake Street</td>
<td>136</td>
<td>266</td>
<td>146</td>
<td>2</td>
<td>550</td>
</tr>
<tr>
<td>5</td>
<td>Franklin Avenue, 27th Avenue Southeast</td>
<td>33</td>
<td>74</td>
<td>149</td>
<td>2</td>
<td>256</td>
</tr>
<tr>
<td>9</td>
<td>45th Avenue North</td>
<td>12</td>
<td>2</td>
<td>1</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>17</td>
<td>France Avenue South</td>
<td>-</td>
<td>2</td>
<td>39</td>
<td>-</td>
<td>41</td>
</tr>
<tr>
<td>21</td>
<td>50th Street West</td>
<td>-</td>
<td>9</td>
<td>145</td>
<td>-</td>
<td>154</td>
</tr>
<tr>
<td>22</td>
<td>Lyndale Avenue South</td>
<td>29</td>
<td>194</td>
<td>42</td>
<td>-</td>
<td>265</td>
</tr>
<tr>
<td>23</td>
<td>Main Street Northeast, Marshall Street Northeast, East River Road</td>
<td>31</td>
<td>16</td>
<td>48</td>
<td>4</td>
<td>99</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>Portland Avenue</td>
<td>1220</td>
<td>2014</td>
<td>25</td>
</tr>
<tr>
<td>66</td>
<td>Golden Valley Road</td>
<td>1221</td>
<td>2014</td>
<td>63</td>
</tr>
<tr>
<td>81</td>
<td>4th Street Southeast</td>
<td>1221</td>
<td>2014</td>
<td>21</td>
</tr>
</tbody>
</table>

#### Future Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Park Avenue</td>
<td>1438</td>
<td></td>
<td>66</td>
</tr>
<tr>
<td>48</td>
<td>Minnehaha Avenue</td>
<td>9742</td>
<td></td>
<td>94</td>
</tr>
<tr>
<td>152</td>
<td>Washington Avenue South</td>
<td>9840</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>58</td>
<td>54</td>
<td>$556,000</td>
</tr>
<tr>
<td>3</td>
<td>30</td>
<td>118</td>
<td>$828,000</td>
</tr>
<tr>
<td>5</td>
<td>66</td>
<td>83</td>
<td>$762,000</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>-</td>
<td>$4,000</td>
</tr>
<tr>
<td>17</td>
<td>27</td>
<td>12</td>
<td>$180,000</td>
</tr>
<tr>
<td>21</td>
<td>79</td>
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<td>$236,000</td>
</tr>
<tr>
<td>23</td>
<td>21</td>
<td>31</td>
<td>$270,000</td>
</tr>
</tbody>
</table>
**Pedestrian Ramp Inventory**

**Municipality:** Minneapolis

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>4</td>
<td>20</td>
<td>$136,000</td>
</tr>
<tr>
<td>27</td>
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</tr>
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<td>35</td>
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<td>95</td>
<td>$910,000</td>
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<td>1</td>
<td>1</td>
<td>$10,000</td>
</tr>
<tr>
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<td>46</td>
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<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>West Lake Street</td>
<td>-</td>
<td>-</td>
<td>24</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>27</td>
<td>Stinson Boulevard</td>
<td>-</td>
<td>23</td>
<td>35</td>
<td>-</td>
<td>58</td>
</tr>
<tr>
<td>31</td>
<td>Xerxes Avenue South</td>
<td>-</td>
<td>11</td>
<td>27</td>
<td>-</td>
<td>38</td>
</tr>
<tr>
<td>33</td>
<td>Park Avenue South</td>
<td>140</td>
<td>61</td>
<td>51</td>
<td>1</td>
<td>253</td>
</tr>
<tr>
<td>35</td>
<td>Portland Avenue South</td>
<td>29</td>
<td>99</td>
<td>180</td>
<td>-</td>
<td>308</td>
</tr>
<tr>
<td>36</td>
<td>University Avenue Southeast</td>
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<td>83</td>
<td>2</td>
<td>-</td>
<td>136</td>
</tr>
<tr>
<td>37</td>
<td>Oak Street Southeast, 4th Street Southeast</td>
<td>42</td>
<td>25</td>
<td>3</td>
<td>-</td>
<td>70</td>
</tr>
<tr>
<td>40</td>
<td>Glenwood Avenue</td>
<td>-</td>
<td>10</td>
<td>91</td>
<td>1</td>
<td>102</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>Portland Avenue</td>
<td>1220</td>
<td>2014</td>
<td>25</td>
</tr>
<tr>
<td>66</td>
<td>Golden Valley Road</td>
<td>1221</td>
<td>2014</td>
<td>63</td>
</tr>
<tr>
<td>81</td>
<td>4th Street Southeast</td>
<td>1221</td>
<td>2014</td>
<td>21</td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Park Avenue</td>
<td>1438</td>
<td></td>
<td>66</td>
</tr>
<tr>
<td>48</td>
<td>Minnehaha Avenue</td>
<td>9742</td>
<td></td>
<td>94</td>
</tr>
<tr>
<td>152</td>
<td>Washington Avenue South</td>
<td>9840</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory within the City of Minneapolis

- Case 1: Number of ramps with truncated domes that have been checked for compliance: 262
- Case 2: Number of ramps that appear substantially compliant: 312
- Case 3: Number of ramps without truncated domes: 413
- Case 4: Number of ramps in need of construction or modification: 2

Total: Total number of ramps 989
# Pedestrian Ramp Inventory

**Municipality: Minneapolis**

## Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>65</td>
<td>20</td>
<td>$380,000</td>
</tr>
<tr>
<td>43</td>
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<td>46</td>
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<td>$536,000</td>
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<td>52</td>
<td>78</td>
<td>107</td>
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<tr>
<td>57</td>
<td>8</td>
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<td>$32,000</td>
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<tr>
<td>66</td>
<td>44</td>
<td>62</td>
<td>$548,000</td>
</tr>
<tr>
<td>81</td>
<td>2</td>
<td>24</td>
<td>$152,000</td>
</tr>
</tbody>
</table>
### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minneapolis

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>88</td>
<td>9</td>
<td>17</td>
<td>$138,000</td>
</tr>
<tr>
<td>122</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>152</td>
<td>116</td>
<td>198</td>
<td>$1,652,000</td>
</tr>
<tr>
<td>153</td>
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</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Municipality: Minneapolis International Airport

#### Pedestrian Ramp Inventory within the City of Minneapolis International Airport

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td><strong>Total: Total number of ramps</strong></td>
<td>8</td>
</tr>
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</table>

#### Pedestrian Ramp Inventory by Roadway in Minneapolis International Airport

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>24th Avenue South</td>
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#### Recent Pedestrian Ramp Replacement in Minneapolis International Airport

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
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<tbody>
<tr>
<td></td>
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#### Future Pedestrian Ramp Replacement in Minneapolis International Airport

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
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<td></td>
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<td></td>
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</tbody>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minneapolis International Airport

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-</td>
<td>8</td>
<td>$48,000</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>$</td>
</tr>
<tr>
<td></td>
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<tr>
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</table>
# Pedestrian Ramp Inventory

## Municipality: Minnetonka

### Pedestrian Ramp Inventory within the City of Minnetonka

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>22</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>187</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>263</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Total: Total number of ramps</td>
<td>482</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Minnetonka

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Excelsior Boulevard</td>
<td>3</td>
<td>33</td>
<td>17</td>
<td>-</td>
<td>53</td>
</tr>
<tr>
<td>4</td>
<td>Eden Prairie Road</td>
<td>-</td>
<td>3</td>
<td>11</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td>5</td>
<td>Minnetonka Boulevard</td>
<td>-</td>
<td>24</td>
<td>29</td>
<td>-</td>
<td>53</td>
</tr>
<tr>
<td>15</td>
<td>Gleason Lake Road</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
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<tr>
<td>16</td>
<td>McGinty Road West</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>60</td>
<td>Baker Road</td>
<td>-</td>
<td>8</td>
<td>5</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>61</td>
<td>Shady Oak Road, McGinty Road East, Plymouth Road, Xenium Lane</td>
<td>19</td>
<td>37</td>
<td>57</td>
<td>1</td>
<td>114</td>
</tr>
<tr>
<td>62</td>
<td>West 62nd Street/Townline Road</td>
<td>-</td>
<td>3</td>
<td>67</td>
<td>-</td>
<td>70</td>
</tr>
<tr>
<td>73</td>
<td>Hopkins Crossroad</td>
<td>-</td>
<td>17</td>
<td>28</td>
<td>7</td>
<td>52</td>
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<tr>
<td>101</td>
<td>Townline Road, County Road 101, Grays Bay Boulevard</td>
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<td>62</td>
<td>39</td>
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<td>102</td>
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### Recent Pedestrian Ramp Replacement in Minnetonka

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>Shady Oak Road</td>
<td>8637</td>
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<td>24</td>
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### Future Pedestrian Ramp Replacement in Minnetonka

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minnetonka

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>11</td>
<td>9</td>
<td>$98,000</td>
</tr>
<tr>
<td>4</td>
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</tr>
<tr>
<td>5</td>
<td>16</td>
<td>13</td>
<td>$142,000</td>
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<tr>
<td>15</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>16</td>
<td>6</td>
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<tr>
<td>61</td>
<td>24</td>
<td>46</td>
<td>$372,000</td>
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<tr>
<td>62</td>
<td>32</td>
<td>35</td>
<td>$338,000</td>
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<td>73</td>
<td>12</td>
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<tr>
<td>101</td>
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<td>18</td>
<td>$196,000</td>
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### Pedestrian Ramp Inventory within the City of Minnetonka Beach

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>4</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Minnetonka Beach

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Shoreline Drive</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Minnetonka Beach

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Minnetonka Beach

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minnetonka Beach

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>4</td>
<td>-</td>
<td>$16,000</td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
<td>$</td>
<td>$</td>
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</tr>
</tbody>
</table>
# Pedestrian Ramp Inventory

## Pedestrian Ramp Inventory within the City of Minnetrista

<table>
<thead>
<tr>
<th>Case Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>Number of ramps that appear substantially compliant</td>
<td>1</td>
</tr>
<tr>
<td>Number of ramps without truncated domes</td>
<td>24</td>
</tr>
<tr>
<td>Number of ramps in need of construction or modification</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total: Total number of ramps</strong></td>
<td><strong>25</strong></td>
</tr>
</tbody>
</table>

## Pedestrian Ramp Inventory by Roadway in Minnetrista

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>County Road 44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>110</td>
<td>County Road 110, Commerce Boulevard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

## Recent Pedestrian Ramp Replacement in Minnetrista

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

## Future Pedestrian Ramp Replacement in Minnetrista

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

## Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Minnetrista

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>6</td>
<td></td>
<td>$24,000</td>
</tr>
<tr>
<td>110</td>
<td>13</td>
<td>5</td>
<td>$82,000</td>
</tr>
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</table>

Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 40
## Pedestrian Ramp Inventory

### Mound County

### Pedestrian Ramp Inventory within the City of Mound

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>80</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>95</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Mound

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Lynwood Boulevard, Shoreline Drive</td>
<td></td>
<td>46</td>
<td>4</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>110</td>
<td>Bartlett Boulevard, Commerce Boulevard</td>
<td></td>
<td>31</td>
<td>8</td>
<td></td>
<td>39</td>
</tr>
<tr>
<td>125</td>
<td>Bartlett Boulevard, Wilshire Boulevard</td>
<td></td>
<td>3</td>
<td></td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Mound

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>Commerce Boulevard</td>
<td>145-030-01</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Shoreline Drive</td>
<td>125-030-01</td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Mound

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td></td>
</tr>
</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Mound

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>4</td>
<td>-</td>
<td>$16,000</td>
</tr>
<tr>
<td>110</td>
<td>8</td>
<td>-</td>
<td>$32,000</td>
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<tr>
<td>125</td>
<td>3</td>
<td>-</td>
<td>$12,000</td>
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</tbody>
</table>
### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in New Hope

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>4</td>
<td>-</td>
<td>$16,000</td>
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<tr>
<td>9</td>
<td>11</td>
<td>11</td>
<td>$110,000</td>
</tr>
<tr>
<td>10</td>
<td>14</td>
<td>11</td>
<td>$122,000</td>
</tr>
<tr>
<td>70</td>
<td>14</td>
<td>11</td>
<td>$122,000</td>
</tr>
<tr>
<td>156</td>
<td>50</td>
<td>15</td>
<td>$290,000</td>
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### Pedestrian Ramp Inventory by Roadway in New Hope

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>West Broadway Avenue</td>
<td>-</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>9</td>
<td>Rockford Road</td>
<td>-</td>
<td>16</td>
<td>21</td>
<td>1</td>
<td>38</td>
</tr>
<tr>
<td>10</td>
<td>Bass Lake Road</td>
<td>-</td>
<td>10</td>
<td>25</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>70</td>
<td>Medicine Lake Road</td>
<td>-</td>
<td>17</td>
<td>25</td>
<td>-</td>
<td>42</td>
</tr>
<tr>
<td>156</td>
<td>Winnetka Avenue North, Bass Lake Road</td>
<td>-</td>
<td>25</td>
<td>64</td>
<td>1</td>
<td>90</td>
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### Recent Pedestrian Ramp Replacement in New Hope

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
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</thead>
</table>

### Future Pedestrian Ramp Replacement in New Hope

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Pedestrian Ramp Inventory within the City of New Hope

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>71</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>137</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total number of ramps</td>
<td>212</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory within the City of Orono

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>27</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>40</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>68</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Orono

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6th Avenue North</td>
<td>-</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>15</td>
<td>Shoreline Drive</td>
<td>-</td>
<td>10</td>
<td>18</td>
<td>-</td>
<td>28</td>
</tr>
<tr>
<td>19</td>
<td>Shadywood Road</td>
<td>-</td>
<td>-</td>
<td>13</td>
<td>-</td>
<td>13</td>
</tr>
<tr>
<td>51</td>
<td>North Shroe Drive</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>112</td>
<td>Wayzata Boulevard</td>
<td>-</td>
<td>11</td>
<td>2</td>
<td>-</td>
<td>13</td>
</tr>
<tr>
<td>146</td>
<td>Brown Road South</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>201</td>
<td>Homestead Trail</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
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### Recent Pedestrian Ramp Replacement in Orono

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Long Lake

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Orono

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>4</td>
<td>-</td>
<td>$16,000</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>2</td>
<td>$76,000</td>
</tr>
<tr>
<td>19</td>
<td>5</td>
<td>8</td>
<td>$68,000</td>
</tr>
<tr>
<td>51</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>112</td>
<td>-</td>
<td>2</td>
<td>$12,000</td>
</tr>
<tr>
<td>146</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>201</td>
<td>-</td>
<td>-</td>
<td>$-</td>
</tr>
</tbody>
</table>

**Municipality:** Orono
### Pedestrian Ramp Inventory

**Municipality: Osseo**

#### Pedestrian Ramp Inventory within the City of Osseo

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Total number of ramps</td>
<td>32</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Osseo

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>93rd Avenue North, 7th Street Northeast</td>
<td>-</td>
<td>4</td>
<td>11</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>81</td>
<td>County Road 81</td>
<td>-</td>
<td>4</td>
<td>11</td>
<td>2</td>
<td>17</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Osseo

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>7th Street North/93rd Avenue North</td>
<td>9846</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

#### Future Pedestrian Ramp Replacement in Osseo

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Osseo

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>11</td>
<td>-</td>
<td>$44,000</td>
</tr>
<tr>
<td>81</td>
<td>3</td>
<td>10</td>
<td>$72,000</td>
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</table>
## Pedestrian Ramp Inventory within the City of Plymouth

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>184</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>392</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>586</td>
</tr>
</tbody>
</table>

## Pedestrian Ramp Inventory by Roadway in Plymouth

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>County Road 6</td>
<td>-</td>
<td>20</td>
<td>76</td>
<td>-</td>
<td>96</td>
</tr>
<tr>
<td>9</td>
<td>Rockford Road</td>
<td>-</td>
<td>32</td>
<td>102</td>
<td>4</td>
<td>138</td>
</tr>
<tr>
<td>10</td>
<td>Bass Lake Road</td>
<td>-</td>
<td>15</td>
<td>33</td>
<td>-</td>
<td>48</td>
</tr>
<tr>
<td>15</td>
<td>Gleason Lake Road</td>
<td>-</td>
<td>2</td>
<td>6</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>24</td>
<td>County Road 24</td>
<td>-</td>
<td>3</td>
<td>12</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>47</td>
<td>County Road 47</td>
<td>-</td>
<td>17</td>
<td>9</td>
<td>1</td>
<td>27</td>
</tr>
<tr>
<td>61</td>
<td>Xenium Lane, Northwest Boulevard</td>
<td>-</td>
<td>21</td>
<td>106</td>
<td>2</td>
<td>129</td>
</tr>
<tr>
<td>73</td>
<td>Old County Road 15, Hopkins Crossroad, Zachary Lane North</td>
<td>-</td>
<td>6</td>
<td>7</td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td>101</td>
<td>Central Avenue, County Road 101</td>
<td>-</td>
<td>68</td>
<td>41</td>
<td>-</td>
<td>109</td>
</tr>
</tbody>
</table>

## Recent Pedestrian Ramp Replacement in Plymouth

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>-</td>
<td>9516</td>
<td>2015</td>
<td>51</td>
</tr>
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</table>

## Future Pedestrian Ramp Replacement in Plymouth

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

## Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Plymouth

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>38</td>
<td>38</td>
<td>$380,000</td>
</tr>
<tr>
<td>9</td>
<td>17</td>
<td>89</td>
<td>$602,000</td>
</tr>
<tr>
<td>10</td>
<td>12</td>
<td>21</td>
<td>$174,000</td>
</tr>
<tr>
<td>15</td>
<td>6</td>
<td>-</td>
<td>$24,000</td>
</tr>
<tr>
<td>24</td>
<td>5</td>
<td>7</td>
<td>$62,000</td>
</tr>
<tr>
<td>47</td>
<td>10</td>
<td>-</td>
<td>$40,000</td>
</tr>
<tr>
<td>61</td>
<td>55</td>
<td>53</td>
<td>$538,000</td>
</tr>
<tr>
<td>73</td>
<td>2</td>
<td>8</td>
<td>$56,000</td>
</tr>
<tr>
<td>101</td>
<td>31</td>
<td>10</td>
<td>$184,000</td>
</tr>
</tbody>
</table>
## Pedestrian Ramp Inventory

### Municipality: Richfield

### Pedestrian Ramp Inventory within the City of Richfield

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>250</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>112</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>136</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Total number of ramps</td>
<td>498</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Richfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Xerxes Avenue South</td>
<td>-</td>
<td>7</td>
<td>6</td>
<td>-</td>
<td>13</td>
</tr>
<tr>
<td>32</td>
<td>Penn Avenue South</td>
<td>-</td>
<td>20</td>
<td>58</td>
<td>-</td>
<td>78</td>
</tr>
<tr>
<td>35</td>
<td>Portland Avenue South</td>
<td>56</td>
<td>23</td>
<td>9</td>
<td>-</td>
<td>88</td>
</tr>
<tr>
<td>52</td>
<td>Nicellet Avenue South</td>
<td>4</td>
<td>21</td>
<td>50</td>
<td>-</td>
<td>75</td>
</tr>
<tr>
<td>53</td>
<td>66th Street</td>
<td>190</td>
<td>41</td>
<td>13</td>
<td>-</td>
<td>244</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Richfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>East 66th Street</td>
<td>41450</td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Richfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>Portland Avenue</td>
<td>1006</td>
<td></td>
<td>52</td>
</tr>
<tr>
<td>53</td>
<td>66th Street</td>
<td>1011</td>
<td></td>
<td>198</td>
</tr>
</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Richfield

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>6</td>
<td>-</td>
<td>$24,000</td>
</tr>
<tr>
<td>32</td>
<td>36</td>
<td>22</td>
<td>$276,000</td>
</tr>
<tr>
<td>35</td>
<td>30</td>
<td>15</td>
<td>$210,000</td>
</tr>
<tr>
<td>52</td>
<td>38</td>
<td>15</td>
<td>$242,000</td>
</tr>
<tr>
<td>53</td>
<td>121</td>
<td>43</td>
<td>$742,000</td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Hennepin County Program Access / Transition Plan - Appendix C   August 2015   C Page | 46
### Pedestrian Ramp Inventory

**Municipality: Robbinsdale**

**Pedestrian Ramp Inventory within the City of Robbinsdale**

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>67</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>106</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>54</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Total number of ramps</td>
<td>240</td>
</tr>
</tbody>
</table>

**Pedestrian Ramp Inventory by Roadway in Robbinsdale**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>West Broadway Avenue</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>7</td>
<td>12</td>
</tr>
<tr>
<td>9</td>
<td>42nd Avenue North, Lake Drive, 45th Avenue North</td>
<td>53</td>
<td>16</td>
<td>39</td>
<td>-</td>
<td>108</td>
</tr>
<tr>
<td>81</td>
<td>West Broadway Avenue, Bottineau Old County Road 15</td>
<td>5</td>
<td>88</td>
<td>1</td>
<td>6</td>
<td>100</td>
</tr>
<tr>
<td>153</td>
<td>Lowry Avenue North</td>
<td>9</td>
<td>2</td>
<td>9</td>
<td>-</td>
<td>20</td>
</tr>
</tbody>
</table>

**Recent Pedestrian Ramp Replacement in Robbinsdale**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>81</td>
<td>Bottineau Boulevard</td>
<td>0118</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>81</td>
<td>Bottineau Boulevard</td>
<td>0117</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Lake Drive/42nd Avenue North</td>
<td>0117</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

**Future Pedestrian Ramp Replacement in Robbinsdale**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Lake Drive/42nd Avenue North</td>
<td>0623</td>
<td>55</td>
<td></td>
</tr>
</tbody>
</table>

**Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Robbinsdale**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>11</td>
<td>1</td>
<td>$50,000</td>
</tr>
<tr>
<td>9</td>
<td>42</td>
<td>19</td>
<td>$282,000</td>
</tr>
<tr>
<td>81</td>
<td>1</td>
<td>6</td>
<td>$40,000</td>
</tr>
<tr>
<td>153</td>
<td>9</td>
<td>-</td>
<td>$36,000</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory by Roadway in Rockford

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Woodland Trail</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>50</td>
<td>Tamarack Street, Bridge Street, Rebecca Park Trail</td>
<td>-</td>
<td>5</td>
<td>3</td>
<td>-</td>
<td>8</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Rockford

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Future Pedestrian Ramp Replacement in Rockford

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Rockford

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1</td>
<td>-</td>
<td>$ 4,000</td>
</tr>
<tr>
<td>50</td>
<td>3</td>
<td>-</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

### Notes
- **Municipality:** Rockford
- **Pedestrian Ramp Inventory within the City of Rockford**
  - **Case 1:** Number of ramps with truncated domes that have been checked for compliance: 0
  - **Case 2:** Number of ramps that appear substantially compliant: 6
  - **Case 3:** Number of ramps without truncated domes: 3
  - **Case 4:** Number of ramps in need of construction or modification: 1
  - **Total:** Total number of ramps: 10

### Further Information
- **Recent Pedestrian Ramp Replacement in Rockford**
- **Future Pedestrian Ramp Replacement in Rockford**
- **Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Rockford**

---

*Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 48*
### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
</tr>
<tr>
<td>81</td>
<td>1</td>
<td>-</td>
<td>$4,000</td>
</tr>
<tr>
<td>116</td>
<td>1</td>
<td>-</td>
<td>$4,000</td>
</tr>
<tr>
<td>144</td>
<td>9</td>
<td>15</td>
<td>$126,000</td>
</tr>
<tr>
<td>150</td>
<td>26</td>
<td>-</td>
<td>$104,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Brockton Lane North</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>81</td>
<td>County Road 81, Main Street</td>
<td>-</td>
<td>11</td>
<td>-</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>116</td>
<td>Territorial Road</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>144</td>
<td>141st Avenue North</td>
<td>-</td>
<td>2</td>
<td>23</td>
<td>1</td>
<td>26</td>
</tr>
<tr>
<td>150</td>
<td>Main Street</td>
<td>-</td>
<td>15</td>
<td>22</td>
<td>4</td>
<td>41</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Pedestrian Ramp Inventory within the City of Rogers

- **Case 1:** Number of ramps with truncated domes that have been checked for compliance: 0
- **Case 2:** Number of ramps that appear substantially compliant: 28
- **Case 3:** Number of ramps without truncated domes: 48
- **Case 4:** Number of ramps in need of construction or modification: 6

**Total:** Total number of ramps: 82
The document appears to be a report on pedestrian ramp inventory and replacement in Saint Anthony County, Minnesota. It includes tables summarizing the number of ramps in various categories, recent and future replacements, and a preliminary cost estimate for replacement projects.

### Pedestrian Ramp Inventory

**Municipality:** Saint Anthony

**Pedestrian Ramp Inventory within the City of St. Anthony**

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>66</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>46</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>Total number of ramps</td>
<td>117</td>
</tr>
</tbody>
</table>

**Pedestrian Ramp Inventory by Roadway in Saint Anthony**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>Stinson Boulevard Northeast</td>
<td>-</td>
<td>2</td>
<td>14</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>88</td>
<td>New Brighton Boulevard</td>
<td>-</td>
<td>2</td>
<td>10</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>93</td>
<td>37th Avenue Northeast</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>94</td>
<td>29th Avenue Northeast</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>136</td>
<td>Silver Lake Road Northeast</td>
<td>-</td>
<td>61</td>
<td>6</td>
<td>-</td>
<td>67</td>
</tr>
<tr>
<td>153</td>
<td>Lowry Avenue Northeast, Kenzie Terrace</td>
<td>-</td>
<td>-</td>
<td>13</td>
<td>2</td>
<td>15</td>
</tr>
</tbody>
</table>

**Recent Pedestrian Ramp Replacement in Saint Anthony**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>136</td>
<td>Silver Lake Road</td>
<td>0524</td>
<td></td>
<td>63</td>
</tr>
</tbody>
</table>

**Three Examples of Recent Projects:***

- **29th Avenue Northeast:**
  - Project Number: 1417
  - Year: TBD

**Future Pedestrian Ramp Replacement in Saint Anthony**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>94</td>
<td>29th Avenue Northeast</td>
<td>1417</td>
<td></td>
<td>TBD</td>
</tr>
</tbody>
</table>

**Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Saint Anthony**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>14</td>
<td>-</td>
<td>$ 56,000</td>
</tr>
<tr>
<td>88</td>
<td>-</td>
<td>10</td>
<td>$ 60,000</td>
</tr>
<tr>
<td>93</td>
<td>1</td>
<td>-</td>
<td>$ 4,000</td>
</tr>
<tr>
<td>94</td>
<td>2</td>
<td>3</td>
<td>$ 26,000</td>
</tr>
<tr>
<td>136</td>
<td>-</td>
<td>6</td>
<td>$ 36,000</td>
</tr>
<tr>
<td>153</td>
<td>7</td>
<td>8</td>
<td>$ 76,000</td>
</tr>
</tbody>
</table>

The document provides a detailed breakdown of the number of ramps in various conditions, recent and future replacements, and a preliminary cost estimate for replacement projects.
**Pedestrian Ramp Inventory**

**Municipality: Saint Bonifacius**

**Pedestrian Ramp Inventory within the City of Saint Bonifacius**

<table>
<thead>
<tr>
<th>Case 1: Number of ramps with truncated domes that have been checked for compliance</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 2: Number of ramps that appear substantially compliant</td>
<td>15</td>
</tr>
<tr>
<td>Case 3: Number of ramps without truncated domes</td>
<td>8</td>
</tr>
<tr>
<td>Case 4: Number of ramps in need of construction or modification</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total:</strong> Total number of ramps</td>
<td>27</td>
</tr>
</tbody>
</table>

**Pedestrian Ramp Inventory by Roadway in Saint Bonifacius**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>Main Street</td>
<td>-</td>
<td>15</td>
<td>8</td>
<td>4</td>
<td>27</td>
</tr>
</tbody>
</table>

**Recent Pedestrian Ramp Replacement in Saint Bonifacius**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

**Future Pedestrian Ramp Replacement in Saint Bonifacius**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

**Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Saint Bonifacius**

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>11</td>
<td>1</td>
<td>$50,000</td>
</tr>
</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C August 2015 C Page | 51
## Pedestrian Ramp Inventory

**Municipality: Saint Louis Park**

### Pedestrian Ramp Inventory within the City of Saint Louis Park

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>104</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>226</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>Total number of ramps</td>
<td>341</td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Saint Louis Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Excelsior Boulevard</td>
<td>10</td>
<td>42</td>
<td>74</td>
<td>1</td>
<td>127</td>
</tr>
<tr>
<td>5</td>
<td>Minnetonka Boulevard</td>
<td>-</td>
<td>59</td>
<td>134</td>
<td>-</td>
<td>193</td>
</tr>
<tr>
<td>17</td>
<td>France Avenue South</td>
<td>-</td>
<td>-</td>
<td>8</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>25</td>
<td>County Road 25, Minnetonka Boulevard</td>
<td>-</td>
<td>3</td>
<td>10</td>
<td>-</td>
<td>13</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Saint Louis Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Saint Louis Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Saint Louis Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>44</td>
<td>31</td>
<td>$362,000</td>
</tr>
<tr>
<td>5</td>
<td>102</td>
<td>32</td>
<td>$600,000</td>
</tr>
<tr>
<td>17</td>
<td>7</td>
<td>1</td>
<td>$34,000</td>
</tr>
<tr>
<td>20</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>25</td>
<td>4</td>
<td>6</td>
<td>$52,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory

**Municipality:** Shorewood

#### Pedestrian Ramp Inventory within the City of Shorewood

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>11</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
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</tr>
<tr>
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</table>

#### Pedestrian Ramp Inventory by Roadway in Shorewood

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Smithtown Road, Manitou Road</td>
<td>-</td>
<td>11</td>
<td>-</td>
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#### Recent Pedestrian Ramp Replacement in Shorewood

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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#### Future Pedestrian Ramp Replacement in Shorewood

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Shorewood

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
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</table>
### Pedestrian Ramp Inventory

#### Municipalities: Spring Park

### Pedestrian Ramp Inventory within the City of Spring Park

<table>
<thead>
<tr>
<th>Case 1</th>
<th>Number of ramps with truncated domes that have been checked for compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Case 2</th>
<th>Number of ramps that appear substantially compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Case 3</th>
<th>Number of ramps without truncated domes</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Case 4</th>
<th>Number of ramps in need of construction or modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total</th>
<th>Total number of ramps</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
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### Pedestrian Ramp Inventory by Roadway in Spring Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1</th>
<th>Case 2</th>
<th>Case 3</th>
<th>Case 4</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ramp</td>
<td>Ramp</td>
<td>Ramp</td>
<td>Ramp</td>
<td>Total</td>
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<tr>
<td>15</td>
<td>Shoreline Drive</td>
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<td>6</td>
<td>12</td>
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<td>18</td>
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<tr>
<td>51</td>
<td>Sunset Drive</td>
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<td>11</td>
<td>1</td>
<td>1</td>
<td>13</td>
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<tr>
<td>125</td>
<td>Interlachen Road</td>
<td>-</td>
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<td>-</td>
<td>4</td>
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</table>

### Recent Pedestrian Ramp Replacement in Spring Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Spring Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Spring Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>8</td>
<td>4</td>
<td>$56,000</td>
</tr>
<tr>
<td>51</td>
<td>2</td>
<td>-</td>
<td>$8,000</td>
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<tr>
<td>125</td>
<td>-</td>
<td>4</td>
<td>$24,000</td>
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<td></td>
<td>$-</td>
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<td></td>
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<td>$-</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory

**Municipality: Tonka Bay**

#### Pedestrian Ramp Inventory within the City of Tonka Bay

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>Case 2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>4</td>
</tr>
<tr>
<td>Case 3</td>
<td>Number of ramps without truncated domes</td>
<td>0</td>
</tr>
<tr>
<td>Case 4</td>
<td>Number of ramps in need of construction or modification</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>Total number of ramps</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Pedestrian Ramp Inventory by Roadway in Tonka Bay

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Smithtown Road, Manitou Road</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Recent Pedestrian Ramp Replacement in Tonka Bay


#### Future Pedestrian Ramp Replacement in Tonka Bay


#### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Tonka Bay

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
### Pedestrian Ramp Inventory within the City of Wayzata

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Number of ramps with truncated domes that have been checked for compliance</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Number of ramps that appear substantially compliant</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>Number of ramps without truncated domes</td>
<td>35</td>
</tr>
<tr>
<td>4</td>
<td>Number of ramps in need of construction or modification</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>48</strong></td>
</tr>
</tbody>
</table>

### Pedestrian Ramp Inventory by Roadway in Wayzata

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Case 1 Ramps</th>
<th>Case 2 Ramps</th>
<th>Case 3 Ramps</th>
<th>Case 4 Ramps</th>
<th>Ramp Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Gleason Lake Road</td>
<td>-</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>16</td>
<td>McGinty Road East</td>
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<td>1</td>
<td>-</td>
<td>-</td>
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<tr>
<td>101</td>
<td>Bushaway Road, Wayzata Boulevard East, Central Avenue</td>
<td>-</td>
<td>9</td>
<td>31</td>
<td>3</td>
<td>43</td>
</tr>
</tbody>
</table>

### Recent Pedestrian Ramp Replacement in Wayzata

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Number of Ramps Replaced</th>
</tr>
</thead>
</table>

### Future Pedestrian Ramp Replacement in Wayzata

<table>
<thead>
<tr>
<th>County Road</th>
<th>Local Name(s)</th>
<th>Project Number</th>
<th>Year</th>
<th>Estimated Ramps to Be Replaced</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Bushaway Road</td>
<td>9931</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

### Preliminary Cost Estimate by Roadway for Pedestrian Ramp Replacement in Wayzata

<table>
<thead>
<tr>
<th>County Road</th>
<th>Estimated Number of Ramps at Unsignalized Intersections that Require Replacement ($4000 per Ramp)</th>
<th>Estimated Number of Ramps at Signalized Intersections that Require Replacement ($6000 per Ramp)</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>3</td>
<td>1</td>
<td>$18,000</td>
</tr>
<tr>
<td>16</td>
<td>-</td>
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<td>$-</td>
</tr>
<tr>
<td>101</td>
<td>16</td>
<td>18</td>
<td>$172,000</td>
</tr>
</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 56
# Sidewalk Inventory

**Municipality:** Bloomington

## Sidewalk Inventory within the City of Bloomington

| Case 1: Miles of concrete sidewalk | 37.04 |
| Case 2: Miles of bituminous sidewalk | 8.17 |
| Case 3: Miles of concrete sidewalk in need of replacement | 0.21 |
| Case 4: Miles of bituminous sidewalk in need of replacement | 0.01 |
| Total: Miles of sidewalk (Case 1 + Case 2) | 45.21 |

## Preliminary Sidewalk Defect Cost Estimate by Roadway in Bloomington

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16.46</td>
<td>0</td>
<td>20</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>17</td>
<td>4.21</td>
<td>0.97</td>
<td>185</td>
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<tr>
<td>28</td>
<td>2.65</td>
<td>1.86</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>31</td>
<td>0.19</td>
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<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>32</td>
<td>4.96</td>
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<td>390</td>
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<tr>
<td>34</td>
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<td>52</td>
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</table>

## Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Bloomington

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1</td>
<td>Case 2</td>
<td>1 17 28 31 32 34 35 52</td>
</tr>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td>1 1</td>
</tr>
<tr>
<td>Handhole - Utility</td>
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<td></td>
</tr>
<tr>
<td>Mailbox</td>
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<td></td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$ $ $ $ $ $ $ $ $ $ $ $ $ $ $</td>
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</tbody>
</table>
## Sidewalk Inventory

### Municipality: Brooklyn Center

### Sidewalk Inventory within the City of Brooklyn Center

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet - Utility</td>
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<td></td>
</tr>
<tr>
<td>Driveway</td>
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<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
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</tr>
<tr>
<td>Fire Hydrant</td>
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<tr>
<td>Gate Valve - Gas</td>
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<tr>
<td>Gate Valve - Water</td>
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</tr>
<tr>
<td>Handhole - Traffic</td>
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</tr>
<tr>
<td>Handhole - Utility</td>
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</tr>
<tr>
<td>Mailbox</td>
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<tr>
<td>Manhole</td>
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</tr>
<tr>
<td>Ped Station</td>
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<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
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</tr>
<tr>
<td>Pole - Signal</td>
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<tr>
<td>Pole - Utility</td>
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</tr>
<tr>
<td>Poor Concrete</td>
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<tr>
<td>Sign</td>
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<tr>
<td>Tree</td>
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</tr>
<tr>
<td>Vegetation</td>
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</tr>
<tr>
<td>Other</td>
<td></td>
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</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td></td>
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</tr>
</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Brooklyn Center

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Total: Miles of sidewalk (Case 1 + Case 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>3.03</td>
<td>0</td>
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<tr>
<td>130</td>
<td>0.57</td>
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<td>0.57</td>
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<td>152</td>
<td>3.11</td>
<td>0.93</td>
<td>0</td>
<td>0</td>
<td>4.04</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Brooklyn Center

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td>10      57    130     152</td>
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<tr>
<td>Poor Concrete</td>
<td></td>
<td>10      57    130     152</td>
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<tr>
<td>Sign</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td>10      57    130     152</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>10      57    130     152</td>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td></td>
<td>10      57    130     152</td>
</tr>
</tbody>
</table>
# Sidewalk Inventory

## Municipality: Brooklyn Park

### Sidewalk Inventory within the City of Brooklyn Park

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>110</td>
<td>$</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td>3.59</td>
<td>1.20</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Driveway</td>
<td>4.24</td>
<td>3.1</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td>1.29</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td>0</td>
<td>2.69</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td>4.20</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td>7.22</td>
<td>0.79</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td>3.53</td>
<td>0.56</td>
<td>175</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td>4.33</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
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<td>Mailbox</td>
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<tr>
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</tr>
<tr>
<td>Ped Station</td>
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</tr>
<tr>
<td>Pole - Lighting</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
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<tr>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Poor Concrete</td>
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<td>-</td>
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</tr>
<tr>
<td>Sign</td>
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<tr>
<td>Tree</td>
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<td>-</td>
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</tr>
<tr>
<td>Vegetation</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other</td>
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<td>-</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Brooklyn Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to remove obstructions along each county roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>0</td>
<td>0.40</td>
<td>0</td>
<td>110</td>
<td>$</td>
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<tr>
<td>12</td>
<td>3.59</td>
<td>1.20</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>14</td>
<td>4.24</td>
<td>3.1</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>30</td>
<td>1.29</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>81</td>
<td>0</td>
<td>2.69</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>103</td>
<td>4.20</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
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<tr>
<td>109</td>
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<td>0.56</td>
<td>175</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>152</td>
<td>4.33</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Brooklyn Park

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td>-</td>
<td>8              12             14            30          81        103   109      130  152</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td>-</td>
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<td>-</td>
<td></td>
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<tr>
<td>Ped Station</td>
<td>-</td>
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</tr>
<tr>
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<td></td>
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<tr>
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<tr>
<td>Sign</td>
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<tr>
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</tr>
<tr>
<td>Vegetation</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Other</td>
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</tbody>
</table>

Total: Miles of sidewalk (Case 1 + Case 2) = 37.14 miles

**Estimated cost to remove obstructions along each county roadway:**

- $8
- $12
- $14
- $30
- $81
- $103
- $109
- $130
- $152

**Estimated cost to replace Case 3 and Case 4 Sidewalk:**

- $8
- $12
- $14
- $30
- $81
- $103
- $109
- $130
- $152
## Sidewalk Inventory

**Municipality: Champlin**

### Sidewalk Inventory within the City of Champlin

<table>
<thead>
<tr>
<th>Roadway</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
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<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.80</td>
<td>1.97</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>14</td>
<td>0.09</td>
<td>2.25</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>103</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>121</td>
<td>0.58</td>
<td>1.06</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>202</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>12</td>
<td>0.80</td>
<td>1.97</td>
<td>0</td>
<td>0</td>
<td>$</td>
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<tr>
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<td>0</td>
<td>0</td>
<td>$</td>
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<tr>
<td>202</td>
<td>0</td>
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</table>

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<td>0</td>
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<td>0</td>
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<td>0</td>
<td>0</td>
<td>$</td>
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<td>202</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
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</table>

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<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td>12 14 103 121 202</td>
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<tr>
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<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Handhole - Utility</td>
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<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td>12 14 103 121 202</td>
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<td>Sign</td>
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<tr>
<td>Tree</td>
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<td></td>
<td>12 14 103 121 202</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>12 14 103 121 202</td>
</tr>
</tbody>
</table>

**Estimated cost to remove obstructions along each county roadway:**

- $
## Sidewalk Inventory

### Municipality: Corcoran

### Sidewalk Inventory within the City of Corcoran

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1: Miles of concrete sidewalk</th>
<th>Case 2: Miles of bituminous sidewalk</th>
<th>Case 3: Miles of concrete sidewalk in need of replacement</th>
<th>Case 4: Miles of bituminous sidewalk in need of replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
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<tr>
<td>50</td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>101</td>
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<td>0</td>
<td>0</td>
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<tr>
<td>116</td>
<td>0</td>
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<td>0</td>
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</tr>
</tbody>
</table>

Total: Miles of sidewalk (Case 1 + Case 2) = 5.86

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<tbody>
<tr>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
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<td>10</td>
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<td>Cabinet - Utility</td>
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<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
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<td></td>
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<tr>
<td>Manhole</td>
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<tr>
<td>Ped Station</td>
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</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td></td>
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<tr>
<td>Pole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
<td></td>
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<tr>
<td>Sign</td>
<td></td>
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</tr>
<tr>
<td>Tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Estimated cost to remove obstructions along each county roadway:

- - - - - - - - - - - - - - - - - - - -
# Sidewalk Inventory

## Municipality: Crystal

### Sidewalk Inventory within the City of Crystal

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>2.47</td>
<td>0</td>
<td>135</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>9</td>
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</tr>
<tr>
<td>10</td>
<td>2.22</td>
<td>0.43</td>
<td>5</td>
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<tr>
<td>70</td>
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<td>81</td>
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<td>3.19</td>
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<tr>
<td>102</td>
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<tr>
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<td>5</td>
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</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Crystal

- Total: Miles of sidewalk (Case 1 + Case 2) 15.36

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Crystal

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>8 9 10 70 81 102 156</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td>1</td>
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<tr>
<td>Handhole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
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<tr>
<td>Pole - Lighting</td>
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<td></td>
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<tr>
<td>Pole - Signal</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td>1</td>
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<tr>
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<tr>
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<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
Sidewalk Inventory within the City of Dayton

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.85</td>
<td>0.10</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>81</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>202</td>
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<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Dayton

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Fence - Metal</td>
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<td>12 81 202</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
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</tr>
<tr>
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<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Pole - Signal</td>
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<tr>
<td>Sign</td>
<td></td>
<td>12 81 202</td>
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<tr>
<td>Tree</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>12 81 202</td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
### Sidewalk Inventory

**Municipality: Eden Prairie**

#### Sidewalk Inventory within the City of Eden Prairie

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.27</td>
<td>11.05</td>
<td>0</td>
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<td>$</td>
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<tr>
<td>4</td>
<td>0.52</td>
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<td>$</td>
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<tr>
<td>39</td>
<td>1.02</td>
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<tr>
<td>60</td>
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<tr>
<td>61</td>
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<td>101</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

#### Preliminary Sidewalk Defect Cost Estimate by Roadway in Eden Prairie

**Case 1:** Miles of concrete sidewalk

**Case 2:** Miles of bituminous sidewalk

**Case 3:** Miles of concrete sidewalk in need of replacement

**Case 4:** Miles of bituminous sidewalk in need of replacement

**Total:** Miles of sidewalk (Case 1 + Case 2)

---

#### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Eden Prairie

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td>1</td>
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<tr>
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<td></td>
<td>1</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td>1</td>
</tr>
<tr>
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<td>1</td>
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<tr>
<td>Mailbox</td>
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<tr>
<td>Manhole</td>
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<td>1</td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
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<tr>
<td>Poor Concrete</td>
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<tr>
<td>Sign</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**Estimated cost to remove obstructions along each county roadway:**

---
Sidewalk Inventory

Municipality: Edina

Sidewalk Inventory within the City of Edina

| Case 1: Miles of concrete sidewalk | 10.64 |
| Case 2: Miles of bituminous sidewalk | 2.35 |
| Case 3: Miles of concrete sidewalk in need of replacement | 0.07 |
| Case 4: Miles of bituminous sidewalk in need of replacement | 0 |
| Total: Miles of sidewalk (Case 1 + Case 2) | 12.99 |

Preliminary Sidewalk Defect Cost Estimate by Roadway in Edina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
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<tbody>
<tr>
<td>17</td>
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<td>$</td>
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</tbody>
</table>

Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Edina

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>17 28 31 53 158</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
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</tr>
<tr>
<td>Driveway</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Fire Hydrant</td>
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</tr>
<tr>
<td>Gate Valve - Gas</td>
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<td></td>
</tr>
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<tr>
<td>Pole - Lighting</td>
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<td></td>
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<tr>
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<td></td>
</tr>
<tr>
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<td></td>
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<tr>
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<td></td>
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<tr>
<td>Tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$ $ $ $ $ $ $ $ $ $ $</td>
<td></td>
</tr>
</tbody>
</table>
### Sidewalk Inventory

**Municipality:** Fort Snelling Territory

#### Sidewalk Inventory within the City of Fort Snelling Territory

<table>
<thead>
<tr>
<th>Case 1: Miles of concrete sidewalk</th>
<th>Case 2: Miles of bituminous sidewalk</th>
<th>Case 3: Miles of concrete sidewalk in need of replacement</th>
<th>Case 4: Miles of bituminous sidewalk in need of replacement</th>
<th>Total: Miles of sidewalk (Case 1 + Case 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.13</td>
<td>0.34</td>
<td>0</td>
<td>0</td>
<td>0.47</td>
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</table>

#### Preliminary Sidewalk Defect Cost Estimate by Roadway in Fort Snelling Territory

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>0</td>
<td>0.34</td>
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<tr>
<td>205</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Fort Snelling Territory

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Sidewalk Inventory

## Municipality: Golden Valley

### Sidewalk Inventory within the City of Golden Valley

| Case 1: Miles of concrete sidewalk | 12.27 |
| Case 2: Miles of bituminous sidewalk | 2.26 |
| Case 3: Miles of concrete sidewalk in need of replacement | 0.19 |
| Case 4: Miles of bituminous sidewalk in need of replacement | 0.01 |
| Total: Miles of sidewalk (Case 1 + Case 2) | 14.53 |

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Golden Valley

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>2.49</td>
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<td>66</td>
<td>3.46</td>
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<td>180</td>
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<td>$</td>
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<tr>
<td>70</td>
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<tr>
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<tr>
<td>156</td>
<td>2.96</td>
<td>0</td>
<td>25</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Golden Valley

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td>2</td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
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</tr>
<tr>
<td>Manhole</td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td></td>
</tr>
<tr>
<td>Tree</td>
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</tr>
<tr>
<td>Vegetation</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Estimated cost to remove obstructions along each county roadway
### Sidewalk Inventory

**Estimated cost to remove obstructions along each county roadway**

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Sign</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
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<td>0</td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Hopkins

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2.18</td>
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<td>$</td>
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<tr>
<td>5</td>
<td>0</td>
<td>0.49</td>
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<td>0</td>
<td>$</td>
</tr>
<tr>
<td>20</td>
<td>1.22</td>
<td>0</td>
<td>10</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>61</td>
<td>0.35</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>73</td>
<td>0.05</td>
<td>0.04</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

### Total:

- Miles of sidewalk (Case 1 + Case 2) = 4.97 miles
## Sidewalk Inventory

**Municipality:** Independence

### Sidewalk Inventory within the City of Independence

| Case 1: Miles of concrete sidewalk | 0 |
| Case 2: Miles of bituminous sidewalk | 0.39 |
| Case 3: Miles of concrete sidewalk in need of replacement | 0 |
| Case 4: Miles of bituminous sidewalk in need of replacement | 0 |
| **Total: Miles of sidewalk (Case 1 + Case 2)** | 0.39 |

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Independence

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>19</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>92</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>110</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>157</td>
<td>0</td>
<td>0.39</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Independence

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>11  19  92  110</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
# Sidewalk Inventory

**Municipality:** Long Lake

## Sidewalk Inventory within the City of Long Lake

<table>
<thead>
<tr>
<th>Obstruction Type</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 1: Miles of concrete sidewalk</td>
<td>112</td>
</tr>
<tr>
<td>Case 2: Miles of bituminous sidewalk</td>
<td>146</td>
</tr>
<tr>
<td>Case 3: Miles of concrete sidewalk in need of replacement</td>
<td>0</td>
</tr>
<tr>
<td>Case 4: Miles of bituminous sidewalk in need of replacement</td>
<td>0</td>
</tr>
<tr>
<td>Total: Miles of sidewalk (Case 1 + Case 2)</td>
<td>4.87</td>
</tr>
</tbody>
</table>

## Preliminary Sidewalk Defect Cost Estimate by Roadway in Long Lake

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>112</td>
<td>4.35</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>146</td>
<td>0.52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

## Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Long Lake

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>112</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>146</td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
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</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>
## Sidewalk Inventory

### Sidewalk Inventory within the City of Loretto

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Loretto

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>0.41</td>
<td>0.08</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td></td>
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<td></td>
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<td></td>
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<td>$</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Loretto

<table>
<thead>
<tr>
<th>Replacement Cost (each)</th>
<th>Total: Miles of sidewalk (Case 1 + Case 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highway</td>
<td>0.49</td>
</tr>
</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 71
# Sidewalk Inventory

**Municipality: Maple Grove**

## Sidewalk Inventory within the City of Maple Grove

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1.21</td>
<td>3.49</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>30</td>
<td>2.94</td>
<td>7.47</td>
<td>0</td>
<td>15</td>
<td>$</td>
</tr>
<tr>
<td>47</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>61</td>
<td>1.44</td>
<td>2.55</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>81</td>
<td>0.27</td>
<td>3.43</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>101</td>
<td>0.3</td>
<td>1.87</td>
<td>5</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>109</td>
<td>0.13</td>
<td>2.85</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>121</td>
<td>0</td>
<td>1.31</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>130</td>
<td>1.71</td>
<td>4.79</td>
<td>130</td>
<td>15</td>
<td>$</td>
</tr>
<tr>
<td>202</td>
<td>0.25</td>
<td>1.24</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

## Preliminary Sidewalk Defect Cost Estimate by Roadway in Maple Grove

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>10 30 47 61 81 101 109 121 130 202</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manhole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
## Sidewalk Inventory

### Municipality: Medina

### Sidewalk Inventory within the City of Medina

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
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### Preliminary Sidewalk Defect Cost Estimate by Roadway in Medina

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<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
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<tbody>
<tr>
<td>Cabinet - Signal</td>
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<td>19</td>
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<td>Cabinet - Utility</td>
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<tr>
<td>Ped Station</td>
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<tr>
<td>Pole - Lighting</td>
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<td>Pole - Signal</td>
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<tr>
<td>Pole - Utility</td>
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<tr>
<td>Poor Concrete</td>
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</tr>
<tr>
<td>Sign</td>
<td></td>
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<tr>
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<td>Vegetation</td>
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<tr>
<td>Other</td>
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### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Medina

<table>
<thead>
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<th>Replacement Cost (each)</th>
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</thead>
<tbody>
<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
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Sidewalk Inventory within the City of Minnetonka

<table>
<thead>
<tr>
<th>Roadway</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
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<tr>
<td>3</td>
<td>1.94</td>
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Sidewalk Inventory

Municipality: **Minnetonka**

**Estimated cost to remove obstructions along each county roadway**

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
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<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>3 4 5 15 16 60 61 62 73 101</td>
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<td>Cabinet - Utility</td>
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<tr>
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<tr>
<td>Fence - Metal</td>
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<tr>
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<tr>
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<td>Ped Station</td>
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<tr>
<td>Pole - Lighting</td>
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Estimated cost to remove obstructions along each county roadway

<table>
<thead>
<tr>
<th>Roadway</th>
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<th>5</th>
<th>15</th>
<th>16</th>
<th>60</th>
<th>61</th>
<th>62</th>
<th>73</th>
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<tbody>
<tr>
<td></td>
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</tbody>
</table>

Preliminary Sidewalk Defect Cost Estimate by Roadway in Minnetonka

Case 1: Miles of concrete sidewalk

Case 2: Miles of bituminous sidewalk

Case 3: Miles of concrete sidewalk in need of replacement

Case 4: Miles of bituminous sidewalk in need of replacement

Total: Miles of sidewalk (Case 1 + Case 2)

Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Minnetonka

Estimated cost to replace Case 3 and Case 4 Sidewalk
## Sidewalk Inventory

### Municipality: Minnetonka Beach

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Minnetonka Beach

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
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</thead>
<tbody>
<tr>
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<tr>
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<tr>
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<tr>
<td>Pole - Utility</td>
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<tr>
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<tr>
<td>Sign</td>
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<tr>
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<tr>
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<td>Other</td>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
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### Preliminary Sidewalk Defect Cost Estimate by Roadway in Minnetonka Beach

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
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<tr>
<td>15</td>
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### Sidewalk Inventory within the City of Minnetonka Beach

- Case 1: Miles of concrete sidewalk: 0.38
- Case 2: Miles of bituminous sidewalk: 0
- Case 3: Miles of concrete sidewalk in need of replacement: 0
- Case 4: Miles of bituminous sidewalk in need of replacement: 0
- Total: Miles of sidewalk (Case 1 + Case 2): 0.38
## Sidewalk Inventory

**Municipality: Minnetrista**

### Sidewalk Inventory within the City of Minnetrista

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Case 1 (Sidewalk mi)</th>
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<th>Case 3 (Sidewalk mi)</th>
<th>Case 4 (Sidewalk ft)</th>
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<tr>
<td>Cabinet - Utility</td>
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</tr>
<tr>
<td>Driveway</td>
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<td>0</td>
<td>0</td>
<td>$</td>
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<tr>
<td>Fence - Metal</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
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<tr>
<td>Fire Hydrant</td>
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<td>0</td>
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<tr>
<td>Gate Valve - Gas</td>
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<td>0</td>
<td>0</td>
<td>$</td>
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<tr>
<td>Gate Valve - Water</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Handhole - Traffic</td>
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<td>0</td>
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<td>0</td>
<td>$</td>
</tr>
<tr>
<td>Handhole - Utility</td>
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<td>0</td>
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<td>Estimated cost to remove obstructions along each county roadway</td>
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### Preliminary Sidewalk Defect Cost Estimate by Roadway in Minnetrista

<table>
<thead>
<tr>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
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<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
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<tr>
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### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Minnetrista

- Total: Miles of sidewalk (Case 1 + Case 2) 1.06

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Preliminary Sidewalk Defect Cost Estimate by Roadway in Minnetrista

<table>
<thead>
<tr>
<th>Case 1 Sidewalk (mi)</th>
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Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Minnetrista

- Total: Miles of sidewalk (Case 1 + Case 2) 1.06

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Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 76
## Sidewalk Inventory

**Municipality: Mound**

### Sidewalk Inventory within the City of Mound

<table>
<thead>
<tr>
<th>Case</th>
<th>Miles of concrete sidewalk</th>
<th>Miles of bituminous sidewalk</th>
<th>Miles of concrete sidewalk in need of replacement</th>
<th>Miles of bituminous sidewalk in need of replacement</th>
<th>Total: Miles of sidewalk (Case 1 + Case 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
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<td>0</td>
<td>0</td>
<td>125</td>
</tr>
<tr>
<td>110</td>
<td>2.04</td>
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<tr>
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### Preliminary Sidewalk Defect Cost Estimate by Roadway in Mound

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<tbody>
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<td>Cabinet - Signal</td>
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<td>Sign</td>
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<tr>
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<tr>
<td>Vegetation</td>
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<tr>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
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</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 77
## Preliminary Sidewalk Defect Cost Estimate by Roadway in New Hope

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
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<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
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## Preliminary Sidewalk Obstruction Cost Estimate by Roadway in New Hope

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<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>8 9 10 70 156</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td>8 9 10 70 156</td>
</tr>
<tr>
<td>Driveway</td>
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<tr>
<td>Fence - Metal</td>
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<td>8 9 10 70 156</td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td>8 9 10 70 156</td>
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<tr>
<td>Gate Valve - Gas</td>
<td></td>
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<td>Gate Valve - Water</td>
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<td>Handhole - Traffic</td>
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<td>8 9 10 70 156</td>
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<tr>
<td>Handhole - Utility</td>
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<td>8 9 10 70 156</td>
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<td>Mailbox</td>
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<td>8 9 10 70 156</td>
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<td>Manhole</td>
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<td>8 9 10 70 156</td>
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<td>Ped Station</td>
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<tr>
<td>Pole - Lighting</td>
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<td>8 9 10 70 156</td>
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<tr>
<td>Pole - Signal</td>
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<td>Poor Concrete</td>
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<tr>
<td>Sign</td>
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<td>Vegetation</td>
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<td>8 9 10 70 156</td>
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<td>$</td>
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</tbody>
</table>
## Sidewalk Inventory

**Municipality:** Orono

### Sidewalk Inventory within the City of Orono

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6</td>
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<td>0.61</td>
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<tr>
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</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Orono

**Total: Miles of sidewalk (Case 1 + Case 2)** 2.75

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Orono

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
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<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>6 15 19 51 112 146 201</td>
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<tr>
<td>Cabinet - Utility</td>
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<tr>
<td>Driveway</td>
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</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
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<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
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<tr>
<td>Handhole - Traffic</td>
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<tr>
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<td>Ped Station</td>
<td></td>
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</tr>
<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
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<tr>
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<tr>
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<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
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<td></td>
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<tr>
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<tr>
<td>Tree</td>
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</table>
# Sidewalk Inventory

**Municipality:** Plymouth

## Sidewalk Inventory within the City of Plymouth

<table>
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<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
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<tbody>
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## Preliminary Sidewalk Defect Cost Estimate by Roadway in Plymouth

- **Case 1:** Miles of concrete sidewalk: 5.58
- **Case 2:** Miles of bituminous sidewalk: 19.58
- **Case 3:** Miles of concrete sidewalk in need of replacement: 0
- **Case 4:** Miles of bituminous sidewalk in need of replacement: 0.01
- **Total:** Miles of sidewalk (Case 1 + Case 2): 25.16

## Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Plymouth

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
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<td>6</td>
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<tr>
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<tr>
<td>Driveway</td>
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</tr>
<tr>
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<td>Gate Valve - Water</td>
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<td>Ped Station</td>
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<td>Vegetation</td>
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<tr>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
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</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 80
## Sidewalk Inventory

**Municipality:** Richfield

### Sidewalk Inventory within the City of Richfield

<table>
<thead>
<tr>
<th>Case 1: Miles of concrete sidewalk</th>
<th>Case 2: Miles of bituminous sidewalk</th>
<th>Case 3: Miles of concrete sidewalk in need of replacement</th>
<th>Case 4: Miles of bituminous sidewalk in need of replacement</th>
<th>Total: Miles of sidewalk (Case 1 + Case 2)</th>
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<td><strong>Total:</strong></td>
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<th>Obstruction</th>
<th>Replacement Cost (each)</th>
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</tr>
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<tr>
<td>Sign</td>
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</tr>
<tr>
<td>Other</td>
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<td></td>
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</tr>
<tr>
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<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>
## Sidewalk Inventory

### Municipality: Robbinsdale

### Sidewalk Inventory within the City of Robbinsdale

<table>
<thead>
<tr>
<th>Case 1: Miles of concrete sidewalk</th>
<th>Case 2: Miles of bituminous sidewalk</th>
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<tbody>
<tr>
<td>8</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6.95</td>
</tr>
<tr>
<td>9</td>
<td>4.18</td>
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<td>0</td>
</tr>
<tr>
<td>81</td>
<td>1.69</td>
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<tr>
<td>153</td>
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</tr>
<tr>
<td>Total</td>
<td></td>
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<td></td>
<td>6.95</td>
</tr>
</tbody>
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<td>8</td>
<td>0.83</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>9</td>
<td>4.18</td>
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<td>15</td>
<td>0</td>
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<td>Fence - Metal</td>
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<td>Gate Valve - Gas</td>
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<tr>
<td>Other</td>
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</table>

Estimated cost to remove obstructions along each county roadway:

- $
## Sidewalk Inventory

**Municipality:** Rockford

### Sidewalk Inventory within the City of Rockford

<table>
<thead>
<tr>
<th>Case 1: Miles of concrete sidewalk</th>
<th>Case 2: Miles of bituminous sidewalk</th>
<th>Case 3: Miles of concrete sidewalk in need of replacement</th>
<th>Case 4: Miles of bituminous sidewalk in need of replacement</th>
<th>Total: Miles of sidewalk (Case 1 + Case 2)</th>
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### Preliminary Sidewalk Defect Cost Estimate by Roadway in Rockford

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
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<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
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<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
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**Estimated cost to remove obstructions along each county roadway:** $
Sidewalk Inventory

Municipality: Rogers

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</table>

Preliminary Sidewalk Defect Cost Estimate by Roadway in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
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<tbody>
<tr>
<td>13</td>
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Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
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<tbody>
<tr>
<td>13</td>
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<tr>
<td>81</td>
<td></td>
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<tr>
<td>116</td>
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<tr>
<td>144</td>
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Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Rogers

<table>
<thead>
<tr>
<th>County Road</th>
<th>Total Miles of Sidewalk (Case 1 + Case 2)</th>
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<td></td>
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Hennepin County Program Access / Transition Plan - Appendix C August 2015 C Page | 84
### Sidewalk Inventory within the City of Saint Anthony

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Case 1 Sidewalk (mi)</th>
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<td>27</td>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
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### Preliminary Sidewalk Defect Cost Estimate by Roadway in Saint Anthony

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</table>
## Sidewalk Inventory

### Municipality: Saint Bonifacius

### Sidewalk Inventory within the City of Saint Bonifacius

<table>
<thead>
<tr>
<th>Case</th>
<th>Description</th>
<th>Miles</th>
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<tr>
<td>1</td>
<td>Miles of concrete sidewalk</td>
<td>0.56</td>
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<td>2</td>
<td>Miles of bituminous sidewalk</td>
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<td>3</td>
<td>Miles of concrete sidewalk in need of replacement</td>
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<tr>
<td>4</td>
<td>Miles of bituminous sidewalk in need of replacement</td>
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<tr>
<td>Total</td>
<td>Miles of sidewalk (Case 1 + Case 2)</td>
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</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Saint Bonifacius

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>0.56</td>
<td>0.24</td>
<td>0</td>
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<td>$</td>
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</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Saint Bonifacius

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td></td>
<td>92</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td></td>
<td></td>
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<tr>
<td>Gate Valve - Water</td>
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<tr>
<td>Handhole - Traffic</td>
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<tr>
<td>Handhole - Utility</td>
<td></td>
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</tr>
<tr>
<td>Mailbox</td>
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<tr>
<td>Manhole</td>
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</tr>
<tr>
<td>Ped Station</td>
<td></td>
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<tr>
<td>Pole - Lighting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
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</tr>
<tr>
<td>Pole - Utility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td></td>
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<tr>
<td>Sign</td>
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<tr>
<td>Tree</td>
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<tr>
<td>Vegetation</td>
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<tr>
<td>Other</td>
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<tr>
<td>Estimated cost to remove obstructions along each county roadway</td>
<td>$</td>
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</tr>
</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C  August 2015  C Page | 86
# Sidewalk Inventory

## Municipality: Saint Louis Park

### Sidewalk Inventory within the City of Saint Louis Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
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<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4.15</td>
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<tr>
<td>5</td>
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<td>0.66</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
<tr>
<td>17</td>
<td>0.51</td>
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<tr>
<td>20</td>
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<tr>
<td>25</td>
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<td>0</td>
<td>0</td>
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<td>$</td>
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#### Preliminary Sidewalk Defect Cost Estimate by Roadway in Saint Louis Park

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<td>25</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$</td>
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</table>

#### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Saint Louis Park

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
<th>3</th>
<th>5</th>
<th>17</th>
<th>20</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Cabinet - Utility</td>
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<td>Driveway</td>
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<tr>
<td>Fence - Metal</td>
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<tr>
<td>Fire Hydrant</td>
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<tr>
<td>Gate Valve - Gas</td>
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<td>Gate Valve - Water</td>
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<td>Ped Station</td>
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<tr>
<td>Pole - Utility</td>
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<td>Poor Concrete</td>
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<td>Other</td>
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</tr>
</tbody>
</table>

Estimated cost to remove obstructions along each county roadway: $
Sidewalk Inventory

Municipality: Shorewood

### Sidewalk Inventory within the City of Shorewood

<table>
<thead>
<tr>
<th>Case 1: Miles of concrete sidewalk</th>
<th>0.31</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case 2: Miles of bituminous sidewalk</td>
<td>0</td>
</tr>
<tr>
<td>Case 3: Miles of concrete sidewalk in need of replacement</td>
<td>0</td>
</tr>
<tr>
<td>Case 4: Miles of bituminous sidewalk in need of replacement</td>
<td>0</td>
</tr>
<tr>
<td>Total: Miles of sidewalk (Case 1 + Case 2)</td>
<td>0.31</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Shorewood

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>19</td>
<td>0.31</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tbody>
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### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Shorewood

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<tr>
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<td></td>
<td>19</td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td></td>
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<tr>
<td>Driveway</td>
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<td>Fence - Metal</td>
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<td>Pole - Lighting</td>
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<tr>
<td>Poor Concrete</td>
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<tr>
<td>Sign</td>
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<td>Tree</td>
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<tr>
<td>Vegetation</td>
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<tr>
<td>Other</td>
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<td>Estimated cost to remove obstructions along each county roadway</td>
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</table>
### Sidewalk Inventory

**Municipality:** **Spring Park**

### Sidewalk Inventory within the City of Spring Park

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 (Sidewalk (mi))</th>
<th>Case 2 (Sidewalk (mi))</th>
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<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
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<tbody>
<tr>
<td>15</td>
<td>2.18</td>
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<table>
<thead>
<tr>
<th>Obstruction</th>
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<tbody>
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<tr>
<td>Driveway</td>
<td></td>
<td></td>
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<tr>
<td>Fence - Metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
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<tr>
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<tr>
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<tr>
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<td>Poor Concrete</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
Sidewalk Inventory

Municipality: **Wayzata**

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<tbody>
<tr>
<td>15</td>
<td>0</td>
<td>1.19</td>
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<td>16</td>
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<td>3.33</td>
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<td>20</td>
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**Preliminary Sidewalk Defect Cost Estimate by Roadway in Wayzata**

<table>
<thead>
<tr>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
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<tr>
<td>3.33</td>
<td>0</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Cabinet - Signal     | $                         | $       | $       |
| Cabinet - Utility    | $                         | $       | $       |
| Driveway             | $                         | $       | $       |
| Fence - Metal        | $                         | $       | $       |
| Fire Hydrant         | $                         | $       | $       |
| Gate Valve - Gas     | $                         | $       | $       |
| Gate Valve - Water   | $                         | $       | $       |
| Handhole - Traffic   | $                         | $       | $       |
| Handhole - Utility   | $                         | $       | $       |
| Mailbox              | $                         | $       | $       |
| Manhole              | $                         | $       | $       |
| Ped Station          | $                         | $       | $       |
| Pole - Lighting      | $                         | $       | $       |
| Pole - Signal        | $                         | $       | $       |
| Pole - Utility       | $                         | $       | $       |
| Poor Concrete        | $                         | $       | $       |
| Sign                 | $                         | $       | $       |
| Tree                 | $                         | $       | $       |
| Vegetation           | $                         | $       | $       |
| Other                | $                         | $       | $       |

Estimated cost to remove obstructions along each county roadway:

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1</th>
<th>Case 2</th>
<th>Case 3</th>
<th>Case 4</th>
<th>Estimated cost to remove obstructions along each county roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

Hennepin County Program Access / Transition Plan - Appendix C   August 2015
# Sidewalk Inventory

**Municipality:** Woodland

### Sidewalk Inventory within the City of Woodland

| Case 1: Miles of concrete sidewalk | 0.23 |
| Case 2: Miles of bituminous sidewalk | 0.23 |
| Case 3: Miles of concrete sidewalk in need of replacement | 0 |
| Case 4: Miles of bituminous sidewalk in need of replacement | 0 |
| **Total: Miles of sidewalk (Case 1 + Case 2)** | **0.46** |

### Preliminary Sidewalk Defect Cost Estimate by Roadway in Woodland

<table>
<thead>
<tr>
<th>County Road</th>
<th>Case 1 Sidewalk (mi)</th>
<th>Case 2 Sidewalk (mi)</th>
<th>Case 3 Sidewalk (ft)</th>
<th>Case 4 Sidewalk (ft)</th>
<th>Estimated cost to replace Case 3 and Case 4 Sidewalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>0.23</td>
<td>0.23</td>
<td>0</td>
<td>0</td>
<td>$</td>
</tr>
</tbody>
</table>

### Preliminary Sidewalk Obstruction Cost Estimate by Roadway in Woodland

<table>
<thead>
<tr>
<th>Obstruction</th>
<th>Replacement Cost (each)</th>
<th>Number of Severe Obstruction Instances along Each County Roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet - Signal</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Cabinet - Utility</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Driveway</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Fence - Metal</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Fire Hydrant</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Gas</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Gate Valve - Water</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Handhole - Traffic</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Handhole - Utility</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Manhole</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Ped Station</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Pole - Lighting</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Pole - Signal</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Pole - Utility</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Poor Concrete</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Sign</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Tree</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Vegetation</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>

Estimated cost to remove obstructions along each county roadway: 

$  $  $  $  $  $  $  $  $  $  $  $  $
Appendix D: Accessible Pedestrian Signals Evaluation Tool

Purpose

The purpose of this Accessible Pedestrian Signals (APS) Evaluation Tool is to provide guidance for the Hennepin County Transportation Departments on 1) the installation of APS for new construction and existing traffic signal modifications, and 2) the evaluation of existing traffic signal locations after receipt of a reasonable accommodation request for APS installation.

This guidance is specific to APS and the incorporation of APS equipment and functionality into new, modified, and existing traffic signals.


The attached APS evaluation tool uses a set of criteria and a threshold to evaluate crosswalks at existing traffic signal locations to determine the need for APS.

Accessible Pedestrian Signals

According to the Minnesota Manual on Uniform Traffic Control Devices (MMUTCD), an APS is “a device that communicates information about pedestrian timing in nonvisual format such as audible tones, speech messages, and/or vibrating surfaces.” (Minnesota Manual on Uniform Traffic Control Devices December 2011, Section 1A, page 14).

New Construction of Traffic Signals

At proposed traffic signal locations with any pedestrian elements (countdown timers, marked crosswalks, pedestrian indicators, pedestrian ramps, sidewalk/trail, etc.), whether existing or part of the proposed construction, the department will install an APS traffic signal.

The departments will not consider an APS traffic signal for any crossing leg where a pedestrian crossing of that leg is a prohibited movement.

Modifications of Existing Traffic Signals

For traffic signal modifications at locations with any pedestrian elements (countdown timers, marked crosswalks, pedestrian indicators, pedestrian ramps, sidewalk/trail present, etc.), whether existing or part of the proposed modification, when the proposed modification includes below grade work requiring excavation, the traffic signal will be modified as an APS traffic signal.
The departments will not consider an APS traffic signal for any crossing leg where a pedestrian crossing of that leg is a prohibited movement. The departments will consider any upcoming traffic signal or capital projects that are funded, or in the scoping or design phase, in its decision to modify an existing traffic signal as an APS traffic signal (i.e. if construction of a capital project is anticipated within a year, the departments may elect to postpone such modification and include it in the capital project).

**Existing Traffic Signals**

The departments, after receipt of a reasonable accommodation request for an APS traffic signal at an existing traffic signal location, shall evaluate the intersection and each crosswalk at the location by means of the attached APS evaluation tool.

If the evaluation of a crosswalk at the existing traffic signal location results in a score of 40 points or above, the departments should modify the existing traffic signal to an APS traffic signal for that crosswalk. As part of the departments’ evaluation of a reasonable accommodation request, a meeting between department staff and the person requesting the APS traffic signal should take place at the intersection. The purpose of the meeting would be to ensure that the department fully understands the request and its context and determine if there are other viable accommodations available (e.g. increase the pedestrian walk or clearance times, increase pedestrian understanding of the traffic signal operations, etc.). In addition, the pedestrian’s routes of travel should be determined at the meeting.

If the evaluation of a crosswalk at the existing traffic signal location results in a score of less than 40 points, the departments would not normally modify the existing traffic signal to an APS traffic signal. However, the departments may, based on a balancing of several factors including engineering judgment and the context of the location, install an APS traffic signal even though the evaluation results of the crosswalk by means of this APS evaluation tool do not meet the threshold.

The departments will not consider an APS traffic signal for any crossing leg where a pedestrian crossing of that leg is a prohibited movement. The departments will consider any upcoming traffic signal or capital projects that are funded, or in the scoping or design phase, in its response to a request to evaluate and/or modify an existing traffic signal as an APS traffic signal (i.e. if construction of a capital project is anticipated within a year, the department may elect to postpone such modification and include it in the capital project).

**Scheduling**

Many factors go into the timing and scheduling for installation of APS traffic signals:

- APS equipment items are unique and product ordering and receiving requires an extended lead-time.
- Depending on the timing of the request and the extent of the work required, the departments may schedule requests during the following construction season.
- APS installations that require the upgrade of the existing traffic signal controller hardware, the installation of electrical conduits, or pedestrian ramp construction will have an increased schedule length.
For the modifications of existing traffic signals and the review of existing traffic signals for the installation of APS, the timing and scheduling of any work to install APS will consider any upcoming traffic signal or capital projects that are funded, or in the scoping or design phase of the project’s development (i.e. if construction of a capital project is anticipated within a year, the departments may elect to postpone such modification and include it in the capital project).

**Field Evaluation Documents**

Included with this document is the Hennepin County Evaluation Tool for Installation of Accessible Pedestrian Signals (four pages):

- Cover Sheet --------------------------------------------- 1 of 4
- Intersection Worksheet --------------------------------- 2 of 4
- Crosswalk Worksheet ----------------------------------- 3 of 4
- Supplemental Worksheet ----------------------------- 4 of 4
Accessible Pedestrian Signals (APS) Evaluation Tool

Location:

Evaluator:

Evaluation Date:

<table>
<thead>
<tr>
<th>Evaluation Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter total crosswalk score or N/A</td>
</tr>
<tr>
<td>Crosswalk A Total Score:</td>
</tr>
<tr>
<td>Crosswalk B Total Score:</td>
</tr>
<tr>
<td>Crosswalk C Total Score:</td>
</tr>
<tr>
<td>Crosswalk D Total Score:</td>
</tr>
<tr>
<td>Crosswalk E Total Score:</td>
</tr>
<tr>
<td>Crosswalk F Total Score:</td>
</tr>
<tr>
<td>Crosswalk G Total Score:</td>
</tr>
</tbody>
</table>

For each crosswalk, the total score is the intersection score added to the score from the individual crosswalk worksheet.

For general instructions and guidance on completing this evaluation tool, refer to Appendix D of Accessible Pedestrian Signals: A Guide to Best Practices (Workshop Edition 2010) – NCHRP 150
## Accessible Pedestrian Signals (APS) Evaluation Tool

### Location:

### Sketch:
See instructions for information to include. Label crosswalks as A, B C, D etc.

Indicate North

### Configuration (select one)  |  Points  |  Score
--- | --- | ---
4-leg | 0 |  
4-leg offset | 3 |  
3-leg (T or Y) | 3 |  
5 or more legs | 12 |  
Midblock location | 14 |  

### Signalization * (select one)**  |  Points  |  Score
--- | --- | ---
Pre-timed | 0 |  
Actuated (semi-full) | 2 |  
Split phasing | 6 |  
Exclusive ped phase | 8 |  

### Transit Facilities (w/in 1/8 mile) (select one)  |  Points  |  Score
--- | --- | ---
No transit facilities | 0 |  
Single bus route | 1 |  
Multiple bus routes | 3 |  
Transit mall/rail station | 5 |  

### Distance to Facility for Visually Impaired (select one)  |  Points  |  Score
--- | --- | ---
> 2600 feet (~1/2 mile) | 0 |  
< 2600 feet (~1/2 mile) | 4 |  
< 1300 feet (~1/4 mile) | 6 |  
< 650 feet (~1/8 mile) | 8 |  
< 300 feet | 10 |  

### Notes/Comments

### Distance to Major Pedestrian Attraction (select one)  |  Points  |  Score
--- | --- | ---
> 2600 feet (~1/2 mile) | 0 |  
< 2600 feet (~1/2 mile) | 2 |  
< 1300 feet (~1/4 mile) | 3 |  
< 650 feet (~1/8 mile) | 4 |  
< 300 feet | 5 |  

* For intersections only. Signalized midblock locations are accounted for under Configuration.

** Select the option with the highest point value that applies to the situation.

### Intersection Worksheet Score:
(sum of scores on this page)
# Accessible Pedestrian Signals (APS) Evaluation Tool

<table>
<thead>
<tr>
<th>Crosswalk Width (select one)</th>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 40 feet</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>40 - 59 feet</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>60 - 79 feet</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>80 - 99 feet</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>100 - 119 feet</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>≥ 120 feet</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Speed Limit (select one)</th>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 20 mph</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>25 mph</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>30 mph</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>35 mph</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>40 mph</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>≥ 45 mph</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

### Approach/Crosswalk Geometrics (select all that apply)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skewed crossing</td>
<td>7</td>
</tr>
<tr>
<td>Curb radius &gt; 25 feet (either corner)</td>
<td>1</td>
</tr>
<tr>
<td>Apex curb ramp (either corner)</td>
<td>2</td>
</tr>
<tr>
<td>Channelized right turn island</td>
<td>2</td>
</tr>
<tr>
<td>Islands or medians (painted, raised or cut-through)</td>
<td>1</td>
</tr>
<tr>
<td>Transverse slope on crosswalk</td>
<td>1</td>
</tr>
</tbody>
</table>

### Pedestrian Signal Control (select all that apply)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timed for crossing to median crossing island</td>
<td>8</td>
</tr>
<tr>
<td>Push button actuation required for WALK signal</td>
<td>4</td>
</tr>
<tr>
<td>Leading Pedestrian Interval (LPI) with parallel street green</td>
<td>8</td>
</tr>
<tr>
<td>Non-concurrent WALK interval</td>
<td>4</td>
</tr>
</tbody>
</table>

### Vehicle Signal Control (select all that apply)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protected right turn phase / right turn overlap (on parallel street)</td>
<td>7</td>
</tr>
<tr>
<td>Leading Protected left-turn phase on (on parallel street)</td>
<td>3</td>
</tr>
<tr>
<td>Right-Turn-On-Red permitted (on parallel street)</td>
<td>2</td>
</tr>
<tr>
<td>Channelized right turn lane under signal control</td>
<td>8</td>
</tr>
</tbody>
</table>

### Off-Peak Traffic Presence - at least 2 vehicles present on parallel street (select one)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constant (≥ 90 percent of cycles)</td>
<td>1</td>
</tr>
<tr>
<td>Heavy (70 - 80 percent of cycles)</td>
<td>2</td>
</tr>
<tr>
<td>Moderate (50 - 60 percent of cycles)</td>
<td>3</td>
</tr>
<tr>
<td>Light (30 - 40 percent)</td>
<td>4</td>
</tr>
<tr>
<td>Occasional (&lt; 30 percent)</td>
<td>5</td>
</tr>
<tr>
<td>None (i.e. no through lanes present to create surge of noise - stem of T-intersection, driveway)</td>
<td>6</td>
</tr>
</tbody>
</table>

### Distance to Alternative APS Crosswalk (select one)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 2600 feet (~1/2 mile)</td>
<td>4</td>
</tr>
<tr>
<td>&lt; 2600 feet (~1/2 mile)</td>
<td>3</td>
</tr>
<tr>
<td>&lt; 1300 feet (~1/4 mile)</td>
<td>2</td>
</tr>
<tr>
<td>&lt; 650 feet (~1/8 mile)</td>
<td>1</td>
</tr>
<tr>
<td>&lt; 300 feet</td>
<td>0</td>
</tr>
</tbody>
</table>

### Pedestrian Pushbutton Location either corner (select any that apply)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Located &gt; 10 feet from curb</td>
<td>3</td>
</tr>
<tr>
<td>Located &gt; 5 feet from CW extd.</td>
<td>3</td>
</tr>
</tbody>
</table>

### Requests for APS (select one)

<table>
<thead>
<tr>
<th>Points</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>No requests</td>
<td>0</td>
</tr>
<tr>
<td>1 or more requests</td>
<td>6</td>
</tr>
</tbody>
</table>

## Notes

Crosswalk Worksheet Score:
(score from this page):

Intersection Worksheet Score:
(score from Intersection form):

Total Crosswalk Score:
(add the two above scores)
<table>
<thead>
<tr>
<th>Location:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental Sketch</td>
</tr>
<tr>
<td>Supplemental Notes</td>
</tr>
</tbody>
</table>
Appendix E: CIP and Programmed Activities

Capital Funding

The county has introduced three Generic Line Items in its annual Capital Improvement Program (CIP) to provide a source of funding to address barriers related to accessibility and compliance with the ADA. Beginning in 2012, the CIP included funding for the construction of ADA compliant pedestrian ramps, sidewalks, and multi-use trails along the county highway system. This funding continued with each CIP update that is approved annually by the County Board. The budgeted and planned funding is shown in Table E-1.

<table>
<thead>
<tr>
<th>Capital Improvement Program Funding Category</th>
<th>Year</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian Ramp Generic Line Item</td>
<td>2012</td>
<td>$600,000</td>
</tr>
<tr>
<td></td>
<td>2013</td>
<td>$600,000</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>$600,000</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>$600,000</td>
</tr>
<tr>
<td></td>
<td>2016 and Beyond*</td>
<td>$600,000</td>
</tr>
<tr>
<td>Sidewalk Participation Generic Line Item</td>
<td>2012</td>
<td>$200,000</td>
</tr>
<tr>
<td></td>
<td>2013</td>
<td>$200,000</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>$200,000</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>$200,000</td>
</tr>
<tr>
<td></td>
<td>2016 and Beyond*</td>
<td>$200,000</td>
</tr>
<tr>
<td>Pavement Preservation Plus Generic Line Item</td>
<td>2013</td>
<td>$500,000</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>$300,000</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>$300,000</td>
</tr>
<tr>
<td></td>
<td>2016 and Beyond*</td>
<td>$300,000</td>
</tr>
</tbody>
</table>

*Anticipated funding

From this funding and the self evaluation, the county will develop an annual pedestrian ramp program of projects with cities within Hennepin County to improve accessibility throughout the county.
Beginning in 2012, the county has developed a solicitation process for cities to apply for sidewalk funding for projects along county highways according to the cost participation policy that was adopted by the county board on February 7, 2012. This process provides cities with a potential funding option as they identify infrastructure, accessibility, and ADA needs along the county highway system and within county highway rights of way (includes new sidewalk or replacement of existing sidewalks). Additionally, the county will retain a portion of this funding for sidewalk improvement needs based on the plan and schedule in the Transition Plan.

The Transition Plan Implementation Engineer (see Appendix B) manages the CIP Generic Line items listed on the previous page in Table E-1. The Transition Plan Implementation Engineer will centralize the management of this program and allow a select set of individuals to complete the work in an efficient and consistent manner. This will allow for challenges, whether found during design or in the field during construction, to be addressed quickly.

The county intends that our progress towards the goals of ADA compliance and accessibility along the county highway system and within county highway rights of way will be an ongoing effort. This goal will be achieved through the CIP, which includes our annual pedestrian ramp projects, sidewalk repair and upgrades, interagency coordination (e.g.: cities, Three Rivers Park District, and utility companies), and response to grievances and requests for accessibility accommodations. This program will provide the tools needed to construct accessible infrastructure on the county's transportation system. In addition, accessibility elements provided through capital projects and regularly scheduled maintenance tasks will support the goals of the CIP.

Prioritizing and scheduling of work will be established by the Transition Plan Implementation Engineer based on numerous factors, including, but not limited to, severity of non-conformance, a barrier to access a program, feasibility of remedies, a safety concern, or a location that receives high public use. Prioritization will also be given to locations that would most likely not be updated by means of other county programs within a reasonable timeframe. Additionally, when scheduling work, the Transition Plan Implementation Engineer will give priority to the retrofitting of any post-1992 projects that do not comply with current ADA standards. Any questions regarding the programming of a specific location should be directed to the Transition Plan Implementation Engineer.

The Transition Plan Implementation Engineer will also consider public requests regarding modifications of the prioritization and scheduling of work as set out in the Transition Plan. Funding and staff time will be committed appropriately to meet the timeline for providing accessibility as set out in the Transition Plan. The recent progress of constructing ADA-compliant pedestrian ramps is listed in Table E-2. The approximate number of pedestrian ramps that have been programmed for replacement within the county’s five year CIP are listed in Table E-3.
### Table E-2
**Recent ADA Compliance Completed**

<table>
<thead>
<tr>
<th>Construction Year</th>
<th>CIP Projects</th>
<th>Ramps Completed Standalone Projects&lt;sup&gt;A&lt;/sup&gt;</th>
<th>CIP Line Item Projects&lt;sup&gt;B&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>112</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2011</td>
<td>54</td>
<td>296</td>
<td>0</td>
</tr>
<tr>
<td>2012</td>
<td>208</td>
<td>105</td>
<td>0</td>
</tr>
<tr>
<td>2013</td>
<td>41</td>
<td>133</td>
<td>70</td>
</tr>
<tr>
<td>2014</td>
<td>73</td>
<td>93</td>
<td>24</td>
</tr>
<tr>
<td><strong>5-Year Total</strong></td>
<td><strong>488</strong></td>
<td><strong>627</strong></td>
<td><strong>94</strong></td>
</tr>
</tbody>
</table>

Combined 5-Year Total: **1209**

A: Standalone projects began in 2011 with two projects  
B: Construction for ADA related CIP Generic Line Item projects began in 2013

### Table E-3
**Future ADA Progress Expected**

<table>
<thead>
<tr>
<th>Construction Year</th>
<th>CIP Projects</th>
<th>Ramps Planned Standalone Projects</th>
<th>CIP Line Item Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>145</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>2016</td>
<td>313</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>2017</td>
<td>43</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>2018</td>
<td>31</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>2019</td>
<td>314</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td><strong>5-Year Total</strong></td>
<td><strong>846</strong></td>
<td><strong>500</strong></td>
<td><strong>250</strong></td>
</tr>
</tbody>
</table>

Combined 5-Year Total: **1596**

Estimated values based on previous construction years
Examples of projects that include ADA related work are shown in Figure E-1.
Appendix F: ADA Rules, Design Guidance, and Best Practices Information

This section provides information on the latest applicable rules, design guidance, and best practices related to ADA and accessibility.

Public Rights-of-Way Accessibility Guidelines

Public Rights-of-Way Accessibility Guidelines (PROWAG), developed by the Access Board, are draft guidelines that address accessibility in the public rights-of-way. Sidewalks, street crossings, and other elements of the public rights-of-way present unique challenges to accessibility for which specific guidance is considered essential. The Access Board is developing these guidelines that will address various issues, including access for visually impaired pedestrians at street crossings, wheelchair access to on-street parking, and various constraints posed by space limitations, roadway design practices, slope, and terrain. PROWAG can be found at [http://www.access-board.gov/attachments/article/743/nprm.pdf](http://www.access-board.gov/attachments/article/743/nprm.pdf).

In 2010, as a part of the development of MnDOT’s Transition Plan, MnDOT Issued [Technical Memorandum 10-02-TR-01 Adoption of Public Rights of way Accessibility Guidance](http://techmemos.dot.state.mn.us/) to their staff, cities, and counties. This memorandum makes the PROWAG the primary guidance for accessible facility design on MnDOT projects. Technical memorandum 10-02-TR-01 can be found on MnDOT’s website under Technical Memoranda from 2010. See [http://techmemos.dot.state.mn.us/](http://techmemos.dot.state.mn.us/).

Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way

The Access Board is proposing these accessibility guidelines for the design, construction, and alteration of pedestrian facilities in the public right-of-way. The guidelines ensure that sidewalks, pedestrian street crossings, pedestrian signals, and other facilities for pedestrian circulation and use constructed or altered in the public right-of-way by state and local governments are readily accessible for pedestrians with disabilities. When the guidelines are adopted, with or without additions and modifications, as accessibility standards in regulations issued by other federal agencies implementing the ADA, Section 504 of the Rehabilitation Act, and the Architectural Barriers Act, compliance with these accessibility standards is mandatory. These proposed accessibility guidelines can be found on the Access Board website [http://www.access-board.gov](http://www.access-board.gov) under Public Rights-of-Way or at [http://www.access-board.gov/attachments/article/743/nprm.pdf](http://www.access-board.gov/attachments/article/743/nprm.pdf).

Accessible Public Rights-of-Way Planning and Design for Alterations (August 2007)

This report and its recommendations are the work of the Public Rights-of-Way Access Advisory Committee (PROWAAC) – Subcommittee on Technical Assistance and are intended to provide technical assistance only. The report is not a rule and has no legal effect. It has not been endorsed by the U.S. Access Board, the Department of Justice, or the Federal Highway Administration of the Department of Transportation. Still it can be a technical advisory source for engineers and technicians who are planning and designing for alterations to pedestrian elements. This document is on the Access Board website [http://www.access-board.gov](http://www.access-board.gov) or at [http://www.access-board.gov/attachments/article/756/guide.pdf](http://www.access-board.gov/attachments/article/756/guide.pdf).
Building on the adoption of PROWAG as planning and design guidance for accessible pedestrian facilities, MnDOT has developed additional planning, design, and construction guidance that is available to local agencies. Listed below is information on additional design guidance available. This is not intended to be an exclusive or comprehensive list of ADA guidance, but rather an acknowledgement of guidance staff should consider and a starting point for information on providing accessible pedestrian facilities.

The MnDOT Accessibility webpage, which has good information in a variety of subject areas related to ADA and accessibility, can be found at http://www.dot.state.mn.us/ada/index.html. The webpage also provides the ability to sign up for ADA policy and design training classes when available and to review material from previous trainings.


Pedestrian Curb Ramp Details Standard Plans 5-297.250 can be found on MnDOT’s website at http://standardplans.dot.state.mn.us/

MnDOT’s 7000 series Standard Plates, which are approved standards drawings, provide information on standard details of construction and materials related to curbs, gutters, and sidewalks are on MnDOT’s website at http://standardplates.dot.state.mn.us/stdpplate.aspx

The MnDOT Road Design Manual serves as a uniform design guide for engineers and technicians working on MnDOT projects. The document is available to others (such as Hennepin County) as a technical resource. Chapter 11 – Special Designs, includes information on the design of pedestrian facilities. The Road Design Manual can be found at (http://roaddesign.dot.state.mn.us/roaddesign.aspx)

MnDOT’s Temporary Pedestrian Access Route (TPAR) webpage, http://www.dot.state.mn.us/trafficeng/workzone/tpar.html, contains information on providing accessibility during impacts due to maintenance or construction activities.
### Appendix G: Other Applicable Laws or Guidance to ADA

**Architectural Barriers Act of 1968 (ABA)**

The Architectural Barriers Act of 1968 (ABA) is a federal law requiring that facilities designed, built, altered, or leased with United States Federal Government funds are accessible to the public. The ABA marks one of the first efforts to ensure that people with disabilities have access to certain federally funded buildings and facilities.

**Section 504 of the Rehabilitation Act of 1973**

Section 504 of the Rehabilitation Act of 1973 is a federal law that protects qualified individuals from discrimination based on their disability. The nondiscrimination requirements of the law apply to employers and organizations that receive financial assistance from any federal department or agency.

**28 CFR 35**

28 CFR 35 refers to Title 28 of the Code of Federal Regulations Part 35 which is the portion of the federal rules applying to the Department of Justice and purposed to effectuate Subtitle A of Title II of the ADA of 1990, which prohibits discrimination on the basis of disability by public entities. 28 CFR Part 35, titled "Nondiscrimination on the Basis of Disability" in state and local government services, also provides guidance to local agencies such as Hennepin County to comply with the ADA. These rules direct the county on items such as establishing a grievance procedure, designating a responsible official, performing a self evaluation, and writing a transition plan.

**Americans with Disabilities Act Accessibility Guidelines (ADAAG)**

The ADA Accessibility Guidelines (ADAAG) document contains scoping and technical requirements for accessibility to buildings and facilities by individuals with disabilities under the ADA. These scoping and technical requirements are to be applied during the design, construction, and alteration of buildings and facilities covered by Titles II and III of the ADA to the extent required by federal ADA regulations.

**The Access Board**

The Architectural and Transportation Barriers Compliance Board (known as the Access Board) is an independent federal agency devoted to accessibility for people with disabilities. Created in 1973 to ensure access to federally funded facilities, the Access Board is now a leading source of information on accessible design. The Access Board is structured to function as a coordinating body among federal agencies and to directly represent the public, particularly people with disabilities. Half of its members are representatives from federal departments. The other half are members of the public appointed by the President; a majority of these members must have a disability.

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1 Title III of the ADA is the section of the law that applies to public accommodations, commercial facilities, and private entities offering certain examinations and courses. Although included in the ADAAG, Title III offers no guidance to nor provides any requirements to Hennepin County in the context of its public rights of way.
Public Rights-of-Way Access Advisory Committee (PROWAAC)

The Public Rights-of-Way Access Advisory Committee (PROWAAC) is made up of representatives from disability organizations, public works departments, transportation and traffic engineering groups, design and civil engineering professions, government agencies, and standards-setting bodies. The Access Board developed the draft “Public Rights of Way Accessibility Guidelines” (PROWAG) based on recommendations from the PROWAAC.

Minnesota Olmstead Plan

The Minnesota Olmstead Plan was developed by the state to comply with the United States Supreme Court Olmstead decision. The plan also serves as a way for the state to document its plans to provide services to individuals with disabilities in the most integrated setting appropriate to the individual, as required by the Olmstead decision. When the state develops policies, such as transportation policy, those policies must support integration and inclusion of people with disabilities. When the county builds and maintains accessible infrastructure on the county highway system and within county highway rights of way, it is providing infrastructure, not a service, but the county’s implementation of its Transition Plan supports the principles of the Olmstead Plan. The Transition Plan provides infrastructure in a way that is integrative and inclusive for all, including people with disabilities. Information on the Olmstead Plan can be found on the Minnesota Department of Human Services website at http://mn.gov/dhs/. The document can also be accessed directly: http://www.dhs.state.mn.us/main/groups/olmstead/documents/pub/dhs16_180147.pdf
Appendix H: Public Involvement Plan

In compliance with 28 CFR 35.150, for its Transition Plan, the county is required to 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.

In 2011, the county's Transportation Department hosted four ADA Transition Plan open houses to engage the public on accessibility and ADA compliance. Two were held in Minneapolis, one in Brooklyn Center, and one in Golden Valley. There were an estimated 50 attendees at the four open houses. The attendees represented a diverse set of stakeholders; including disability groups, advocacy groups, cities, and engineering consultants.

A draft of this Transition Plan was available for public review and comment. The county received approximately 130 comments / statements on the plan from 14 different individuals or groups.

Hennepin County will update the body of the Transition Plan whenever one or more of the following items occurs:

- Introduction of new ADA rules and/or regulations
- Change(s) in initiatives, plans, policies, or programs related to ADA
- Lessons learned by Hennepin County through implementation of the Transition Plan

Hennepin County will notify all parties associated with the Transition Plan, through email, 60 days in advance of any planned updates to the Transition Plan to provide a period for public review prior to implementation. A person may become associated with the Transition Plan by signing up for email notifications on Hennepin County’s ADA website at http://www.hennepin.us/residents/transportation/ada-transition-plan. After the 60 day period has concluded, the updated document will be published electronically on Hennepin County’s ADA website.
Appendix I: Staff Development

Hennepin County actively promotes the teaching and training of staff in topic areas that relate to specific work duties, support a diverse workforce, and improve management skills. Public Works staff have attended the following ADA-related training, as shown in Table I-1.

Table I-1
ADA-Related Training

<table>
<thead>
<tr>
<th>Training</th>
<th>Sponsoring Agency</th>
<th>Relevance to ADA</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>MnDOT Pedestrian Facility Design</td>
<td>MnDOT</td>
<td>Training provided an emphasis on ADA and Complete Streets</td>
<td>July 28-29, 2008</td>
</tr>
<tr>
<td>Diversity Brown Bag – A Nontraditional Perspective on the ADA: Disability Rights v. Attitudes</td>
<td>Hennepin County</td>
<td></td>
<td>January 27, 2010</td>
</tr>
<tr>
<td>ADA Transition Plans Webinar</td>
<td>Transit for Livable Communities Bike Walk Twin Cities</td>
<td>ADA Transition Plan information</td>
<td>March 17, 2010</td>
</tr>
<tr>
<td>Transportation Department ADA Technical Training</td>
<td>Hennepin County Transportation Department</td>
<td>Hennepin County’s ADA Coordinator presented ADA topics from a human-interest point of view. Department staff found this useful because it gave the “why” behind the implementation of accessibility.</td>
<td>April 8, 2010</td>
</tr>
<tr>
<td>Environmental Stewardship and Streamlining Workshop</td>
<td>Center for Transportation Studies – University of Minnesota</td>
<td>MnDOT Approach to ADA Compliance</td>
<td>May 12, 2010</td>
</tr>
<tr>
<td>Accessible Pedestrian Signals (APS) Workshop</td>
<td>MnDOT – Office of Traffic, Safety, and Technology</td>
<td>Staff learned guidance on best practices for APS</td>
<td>June 17 or 18, 2010</td>
</tr>
<tr>
<td>Temporary Pedestrian Access Route (TPAR) Workshop and Demonstration</td>
<td>MnDOT and the American Traffic Safety Services Association</td>
<td>Staff learned about implementing a TPAR when a project disrupts a pedestrian route</td>
<td>June 23, 2010</td>
</tr>
<tr>
<td>ADA: Project Civic Access – It May Be Headed Your Way…</td>
<td>American Public Works Association</td>
<td>Training gave an insight into an ADA enforcement tool that the US DOJ is incorporating into practice throughout the country. The Transportation Department will have an understanding of Project Civic Access if we are invited to participate.</td>
<td>December 16, 2010</td>
</tr>
<tr>
<td>Training</td>
<td>Sponsoring Agency</td>
<td>Relevance to ADA</td>
<td>Dates</td>
</tr>
<tr>
<td>--------------------------------------------------------------</td>
<td>------------------------------------------------------</td>
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<tr>
<td>Traffic and Transportation Engineering Symposium</td>
<td>North Central Section – Institute of Transportation Engineers</td>
<td>MnDOT presented on their experience with ADA and ADA compliant pedestrian ramps</td>
<td>February 9, 2011</td>
</tr>
<tr>
<td>ADA Policy and Design Training</td>
<td>MnDOT Office of Policy, Analysis, Research, and Innovation</td>
<td>MnDOT presented on their experiences with ADA, accessibility law history, and ADA context. MnDOT gave instruction on the design of accessibility elements such as pedestrian ramps, sidewalks, and APS</td>
<td>February 28, 2012</td>
</tr>
<tr>
<td>ADA Training for State Aid and Federal Aid Construction Projects</td>
<td>MnDOT ADA Office and MnDOT Metro State Aid</td>
<td>Staff received training on the ADA requirements of local agencies on State Aid Projects, Federal Aid Projects, and local projects on MnDOT Right of Way. This training was intended for city, county, and consultant construction engineers and inspectors, and it was focused on the construction phase of these projects</td>
<td>April 12, 2013</td>
</tr>
<tr>
<td>Mobile Accessible Pedestrian Signals (MAPS)</td>
<td>University of Minnesota Roadway Safety Institute</td>
<td>U of M presented on their “MAPS” assistive system that has been developed to provide audible information to the visually impaired at intersections</td>
<td>March 3, 2015</td>
</tr>
<tr>
<td>Creating an Accessible and Safe Pedestrian Environment</td>
<td>Alliance for Metropolitan Stability</td>
<td>District Councils Collaborative presented the findings of their 2014 Accessibility Survey which documents specific accessibility challenges for the Green Line stations and make recommendations for policy and practice improvements that would promote transit access for people with disabilities.</td>
<td>June 17, 2015</td>
</tr>
<tr>
<td>ADA Transition Plan Roundtable Discussion</td>
<td>Accessology Too and Kimley-Horn and Associates</td>
<td>Accessology Too and Kimley-Horn and Associates presented on what is required for ADA Transition Plan development. The presentation was followed by a discussion on what unique issues and challenges related to ADA that an agency faces.</td>
<td>August 2015</td>
</tr>
</tbody>
</table>
Appendix J: Definitions and Terms

Accessible Pedestrian Signal (APS)
According to the Minnesota Manual on Uniform Traffic Control Devices (MMUTCD), an APS is “a device that communicates information about pedestrian timing in nonvisual format such as audible tones, speech messages, and/or vibrating surfaces.” (Minnesota Manual on Uniform Traffic Control Devices December 2011, Section 1A, page 14).

Capital Improvement Program (CIP)
The CIP includes an annual capital budget and a five-year plan for funding the new construction and reconstruction projects on the county’s transportation system.

Code of Federal Regulations (CFR)
The Code of Federal Regulations is the codification of the general and permanent rules and regulations (sometimes called administrative law) published in the Federal Register by the executive departments and agencies of the federal government of the United States. A copy of the federal regulations pertaining to CFR PART 35—NONDISCRIMINATION ON THE BASIS OF DISABILITY IN STATE AND LOCAL GOVERNMENT SERVICES can be found on page 29 at the following link: http://www.ada.gov/regs2010/titleII_2010/titleII_2010_regulations.pdf.

County Highway Rights of Way
The property under control and jurisdiction of Hennepin County for the purposes of operating, managing and maintaining the Hennepin County highway system.

Hennepin County Highway System (county highway system)
The approximately 570 centerline miles of roadway, and any adjacent sidewalks, trails and other elements within the county highway rights of way, that are under the jurisdiction of Hennepin County.

Public Rights-of-Way (PROW)
The network of streets, sidewalks, and trails creating public pedestrian access within a public entity’s jurisdictional limits.

Survey of the Health of All the Population and the Environment (SHAPE)
SHAPE is an ongoing public health surveillance and assessment project of the Hennepin County Human Services and Public Health Department to periodically survey and report on the health of children and adults in Hennepin County.