

# Pedestrian Facilities Inventory (UPWP Task 6531)

## Executive Summary

### Objective

To create a GIS-based inventory of pedestrian facilities and their associated condition located in the Rochester Transportation Management Area (TMA).

### Project Approach

Key project work tasks included:

- Developing a methodology and associated guidebook, including pictures of representative examples and field collection form
- Collecting data on the presence, type, and condition of sidewalks, crosswalks, pedestrian signals, curb ramps, pedestrian buttons, and truncated domes for the 1,893 federal-aid roadway segments and 780 associated intersections in the Rochester TMA
- Performing quality assurance on the collected data and modifying the methodology as necessary
- Creating a GIS dataset of associated attributes for the inventory
- Populating the attributes in the GIS dataset using the collected data to create the inventory
- Performing quality assurance on the attributes in the GIS dataset and recollecting data/making corrections as necessary
- Developing a data dictionary of the GIS dataset for users of the inventory

### Findings

The primary purpose of the project was to collect and catalog data, not to provide analysis or recommendations. However, a cursory analysis of the collected data in the inventory was conducted.

- Approximately 20 percent (203 miles) of federal-aid roadways in the Rochester TMA have sidewalks along both sides
- Approximately 50 percent (or 519 miles) of federal-aid roadways in the Rochester TMA have no sidewalks
- Approximately five percent (or 54 miles) of federal-aid roadways in the Rochester TMA have sidewalks on one side
- Approximately 25 percent (or 260 miles) of federal-aid roadways in the Rochester TMA have partial sidewalks (defined as incomplete sidewalks present on either or both sides of the street)

Additional analysis can and will be undertaken as part of the development of the GTC *Bicycle and Pedestrian Action Plan* as well as other transportation studies conducted by GTC, member agencies, and others in the Rochester TMA. This could include assessing the distribution of sidewalks with respect to population density and analyzing the presence of other pedestrian facilities including crosswalks, pedestrian signals, curb ramps, pedestrian buttons, and truncated domes at intersections.

A map presenting the presence of sidewalks (both side, one side/partial, or none) in the Rochester TMA is attached.

#### Products

1. GIS dataset and corresponding data dictionary of pedestrian facilities (sidewalks, crosswalks, pedestrian signals, curb ramps, pedestrian buttons, and truncated domes) in the Rochester TMA
2. Guidebook discussing methodology, pictures of representative examples of types of pedestrian facilities and their condition, and field collection form

Both products are available to interested parties to develop pedestrian facilities inventories for federal-aid roadways outside the Rochester TMA, local roadways throughout the region, and to update the inventory of federal-aid roadways in the Rochester TMA in the future.