

STREET SELECTION CRITERIA

The City of Duluth is responsible for approximately 450 miles of roadway, broken down into municipal state aid routes and residential streets. The municipal state aid routes (MSA) are funded by the State of Minnesota, and account for twenty percent of our streets. These routes serve as our arterials and collectors, and carry our highest volumes of traffic. The remaining miles are the city's local residential streets. Our focus with this program is on the residential streets.

In 1994, the City of Duluth initiated a residential Street Reconstruction Program (SIP). The intent was to eventually reconstruct all residential streets within the City over the course of 50 years. This program was eliminated in 2009 due to loss of funding. As a result, very few residential streets have been reconstructed over the last eight years.

A stable funding source is now being proposed, with the funding dedicated to the maintenance, preservation, and reconstruction of residential streets. A five-year Capital Improvement Plan is compiled each year as part of the budget process. This five-year plan will incorporate a residential reconstruction plan. Streets will be selected based on the below criteria:

Street Selection criteria

- Condition of utilities:
 - o Water
 - o Sanitary
 - o Storm- drainage issues
 - o Gas
- Age and condition of street based on pavement management ratings
- Type of street usage
- Volume of traffic
- Maintenance costs of existing streets and icing problems
- Relationship to other construction or projects:
 - o Redevelopment and urban renewal
 - o Geographic distribution around the city to fairly and equitably improve neighborhoods
 - o Special Utility Projects
 - o Bridges
 - o Continuity with other projects
 - o Start neighborhood projects at the bottom of the hill, and work our way up. Storm sewers need to be sized appropriately.
 - o City responsibility for work adjacent to or part of Federal, MNDOT, County or grant funded projects
- Multimodal projects
- Other public safety and welfare considerations

The roadways listed in this plan are generated from the City of Duluth's Pavement Management System (ICON). The ICON system is a relational database that includes physical attributes for every block of city street in Duluth. It includes a condition rating for each segment with a corresponding deterioration curve. Maintenance strategies and associated costs have been developed, and are assigned to each section based on the roadway type and condition. This allows us to provide the appropriate "fix" at the appropriate time to maximize our investment. This plan reflects the estimated costs for our network as of 2017, attached on the following pages.