

**SUMMARY OF ENGINEERING RECOMMENDATIONS**  
**Phalen Village Turn Lanes Municipal State Aid Project**  
City Project No. 11-P-1360

Report Prepared 8-10-11  
Public Hearing – To be determined

**PROJECT**

This project is to reconstruct Maryland Avenue from 350' west of Clarence Street to Etna Street as an MSA route.

The purpose of the project is to add left turn lanes on Maryland, to increase safety at the intersections with Clarence and Etna. This project is adjacent to a similar project being done by Ramsey County just to the east, adding left turn lanes at Prosperity Avenue/Phalen Boulevard.

Improvements to be made as part of the project include constructing a new, wider street with bituminous pavement and concrete curb and gutter. Sidewalks will be replaced on both sides of the street, and boulevard treatments will be concrete or sod with trees, as appropriate. Driveway aprons and concrete outwalks will be replaced as appropriate. A lantern style street light system will be constructed as part of the project.

Also as part of the project, pedestrian ramps will be brought up to current ADA standards, with 2 separate ramps in line with the sidewalk in both directions where feasible, with a truncated dome surface.

As part of the work, the existing traffic signal at the intersection of Maryland Avenue and Clarence Street will be replaced with a new signal system.

**EXISTING CONDITIONS**

This section of Maryland Avenue is an older paved street with concrete curb, and the pavement is in fair condition. The existing roadway is 44' wide, with no room for dedicated turn lanes. Maryland has an older lantern street lighting system. Parking on this section of Maryland is not allowed at any time on either side of the street. The average daily traffic (ADT) on Maryland Avenue is 18,900 vehicles.

**PROPOSED IMPROVEMENTS**

Maryland Avenue will be reconstructed as an MSA route. Public Works will reconstruct the street up to 59' wide, adding the appropriate width for new turn lanes. No new traffic signal locations are being added, although the existing signal at Maryland and Clarence will be replaced as part of the project.

The construction will include a new bituminous surfaced street with concrete curb and gutter. New concrete driveway aprons and outwalks will be constructed, and the boulevards will be replaced with new topsoil, sod and trees, or concrete as appropriate.

A new lantern style street lighting system will be installed on this section of Maryland. Also a new traffic signal system will replace the existing one at Maryland and Clarence.

**ALTERNATES**

To do nothing would be inconsistent with the City's commitment to improve safety and traffic flow along our arterial streets.

**POSITIVE BENEFITS**

General improvement of the public right of way will enhance and add quality to this business district. The newly rebuilt roadway will improve the drivability of Saint Paul, and continue the City's efforts to improve our street system. Lantern style lighting will enhance safety and esthetics.

**ADVERSE EFFECTS**

Normal problems associated with construction such as noise, dust, and general disruption will be present. City staff has been working with the Phalen Corridor Business Association to try to minimize the impact on area businesses due to changes in access during construction.

**EFFECTS ON TREES**

Widening the street to add the turn lanes will require the removal of most of the trees in the right of way in this project area. New trees will be planted in the boulevards once the construction has been completed.

**TIME SCHEDULE**

The project is scheduled to begin as soon as possible in the late summer of 2011, and will be completed in the fall. There will be specific time restrictions on the amount of time the Contractor may take to complete some portions of the project.

**COST ESTIMATE**

Construction	\$	780,000
Engineering	\$	195,000
Miscellaneous	\$	<u>285,000</u>
<b>TOTAL</b>	<b>\$</b>	<b>1,260,000</b>

**ESTIMATED FINANCING**

MSA (2007)	\$	20,000
MSA (2008)	\$	40,000
MSA (2010)	\$	500,000
MSA (2011)	\$	<u>700,000</u>

**TOTAL** \$ **1,260,000**

**SOURCE OF ADDITIONAL INFORMATION**

For additional information, contact the Project Engineer, Lisa Falk-Thompson, at 266-6117.

**SUMMARY AND RECOMMENDATION**

The Department of Public Works feels this is a necessary and worthwhile project, and the Engineering Recommendation is for approval of the project and financing.

Respectfully submitted,

Lisa Falk-Thompson  
Public Works