

SUMMARY OF ENGINEERING RECOMMENDATIONS

Randolph Avenue: Syndicate St to I-35E

Report Prepared 2-5-2016
Public Hearing 4-6-2016

PROGRAM

This project is to improve Randolph Avenue from Syndicate Street to Interstate 35E. This is a Ramsey County project and will be designed by them and they will perform the construction administration. The majority of the project is also funded by Ramsey County.

Improvements to be made as part of the project includes constructing new bituminous surfaced street with concrete curb and gutter, concrete driveway aprons and outwalks, and boulevards landscaped with sod and trees. The existing street lights will be replaced with new lantern style street lighting systems as part of the project. New traffic signals will be constructed at the intersections with Edgumbe Road and Lexington Avenue. In addition, appropriate storm and sanitary sewer main repairs will be made, lead water services in the right of way will be replaced, and sanitary sewer service repairs will be made at the request of property owners.

Also as part of the project, special attention will be paid to bringing the existing pedestrian ramps up to current ADA standards, with two separate ramps in line with the sidewalks in both directions, and with a truncated dome surface. Concrete sidewalks along Randolph will be replaced and widened where necessary.

In addition, Accessible Pedestrian Signals and Pedestrian Ramps will be constructed at the intersections of Randolph Ave and the I-35E ramps.

EXISTING CONDITIONS

Randolph Avenue is an older paved street. The street is 40' wide. The street surface is generally in fair to poor condition. The old concrete curb is deteriorated and missing in areas. This segment of Randolph Avenue has wood pole and other outdated street lighting and the existing pedestrian ramps do not meet current ADA standards. The signal systems at Edgumbe and Lexington are old and in need of replacement.

PROPOSED IMPROVEMENTS

It is proposed to improve the aforementioned street with the construction of a new bituminous surface, with concrete curb and gutter, concrete driveway aprons and outwalks, and boulevards landscaped with sod and trees. In addition, appropriate storm and sanitary sewer main repairs will be made, lead water services in the right of way will be replaced, and sanitary sewer service repairs will be made at the request of property owners. The street lighting systems will be updated to the standard City of Saint Paul ornamental lanterns. New signal systems will be built at Edgumbe and Lexington. This project will extend 300' south and 500' north of Randolph on Lexington.

The roadway will be constructed 40' wide. New curb may be hand formed to avoid damaging boulevard trees or their roots. Tree trimming may be necessary to facilitate construction.

As part of the project design processes, attempts will be made to meet the stormwater management requirements of the appropriate watershed district by building infiltration features in each area. Any of the various features allow the stormwater to infiltrate instead of being directed into the stormwater sewer system.

ALTERNATES

To do nothing would be inconsistent with the City's commitment to improve an existing older paved street.

POSITIVE BENEFITS

General improvement of the public right of way will enhance and add quality to the neighborhood. The newly rebuilt roadway will improve the durability and drivability of the street, reduce maintenance issues, and continue the City's efforts to improve the transportation system in Saint Paul. Lantern style lighting will enhance neighborhood safety and aesthetics. New ADA pedestrian ramps at the corners will improve access.

ADVERSE EFFECTS

Normal problems associated with construction such as noise, dust, reduced access to the neighborhood, and general disruption will be present while the work is being done.

EFFECTS ON TREES

Ash Trees will be removed as part of the Parks and Recreation Structured Removal program. New trees will be planted as part of the boulevard restoration, following the City's master tree planting plan.

TIME SCHEDULE

The project will begin construction in the spring of 2016 and be completed by the fall of 2016.

COST ESTIMATE

Construction	\$ 3,188,304
Engineering	\$ 797,076
Real Estate Fee	\$ 19,438
TOTAL	\$ 4,004,818

ESTIMATED FINANCING

Ramsey County	\$ 3,253,864
Assessments	\$ 262,667
SPRWS	\$ 175,445
Saint Paul Sewer	\$ 262,904
Saint Paul Signals	\$ 49,938
TOTAL	\$ 4,004,818

The 2016 assessment rate for street paving and other items is expected to be approximately \$23.19 per ASSESSABLE FOOT and street lighting is expected to be approximately \$35.06 per ASSESSABLE FOOT.

SOURCE OF ADDITIONAL INFORMATION

For additional information, contact the Project Engineer Dan Haak, 651-266-6084.

SUMMARY AND RECOMMENDATION

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

Respectfully submitted,

Dan Haak
Public Works