

SUMMARY OF ENGINEERING RECOMMENDATIONS
Jackson Street: Shepard Road to 11th Street
Kellogg Boulevard: Sibley Street to Jackson Street
Sibley Street: Shepard Road to Kellogg Boulevard

Report Prepared 1-9-16
Public Hearing 2-17-16

PROJECT

This project is to reconstruct Jackson Street from Shepard Road to 11th Street (Project No 16-P-1409). Bicycle and pedestrian improvements will also be made on Kellogg from Sibley to Jackson and on Sibley from Shepard Road to Kellogg.

Reconstruction of the segments described above will include: new concrete surfaced street, concrete curb, globe and bent straw street lights, new signals and signage, permeable asphalt bikeway, concrete sidewalks, landscaping, trees, and street furnishings.

EXISTING CONDITIONS

Jackson Street was last reconstructed in 1962-63. Existing concrete walk widths vary from 8'-0" to 10'-0" and the roadway is approximately 56'-0". The lighting system is a bent straw system.

The current average Pavement Condition Index (PCI) for Jackson Street within the road reconstruction area ranges from 13 to 45 (on a scale of 100).

PROPOSED IMPROVEMENTS

It is proposed to improve the above described streets with the construction of new concrete surfaced street with concrete curb and gutter, concrete driveway aprons, new sidewalk as needed, street furnishings, boulevard landscaping, and trees where possible. In addition, appropriate storm and sanitary sewer repairs will be made, replacement of the existing water main, 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 system will be updated to the standard City of Saint Paul downtown globe style.

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

As part of this project, special attention will be paid to bringing the existing pedestrian ramps up to current ADA standards and City design standards.

Public art will be included in the project, following the procedures developed for the project. Funding for public art is 1% of eligible project funds, in this case 8-80 Funds, as determined by the Office of Financial Services per the City's Public Art Ordinance.

Parking width	8 feet
Roadway width	24-35 feet in the one way blocks, Shepard Rd to 7 th Street. 46-56 feet in the two way blocks, 7 th Street to 11 th Street.
Bikeway width	10-12 feet

ALTERNATES

To do nothing would be inconsistent with the City's commitment to improve existing streets along with bicycle and pedestrian movement.

POSITIVE BENEFITS

General improvement of the public right of way will enhance and add quality to the downtown area. Added bike facilities will increase the bike-ability of St. Paul. Improved and enhanced sidewalks will improve walkability downtown. 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. Globe and bent straw style lighting will enhance downtown safety and esthetics.

ADVERSE EFFECTS

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

EFFECTS ON TREES

Trees will be removed as part of this project. New trees will be planted where possible 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 2017. There will be further restrictions on lane closures and traffic control.

COST ESTIMATE

Construction	\$ 12,800,000
Engineering	<u>\$ 3,200,000</u>
TOTAL	\$ 16,000,000

ESTIMATED FINANCING

Assessments	\$ 2,420,214
Water Department	\$ 1,500,000
8 to 80 Funds	\$ 8,435,000
Other Financing	<u>\$ 3,644,786</u>
TOTAL	\$ 16,000,000

The 2016/2017 assessment rate is expected to be \$432.90 for paving and \$66.00 for street lighting per assessable foot. The rate for paving includes new sidewalk reconstruction where needed or required.

SOURCE OF ADDITIONAL INFORMATION

For additional information, contact Project Engineer Kevin Nelson, 651-266-6236.

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.

Respectfully submitted,

Kevin Nelson
Public Works

PROJECT MAP

Jackson Street Reconstruction – Shepard Rd to 11th Street

