

SUMMARY OF ENGINEERING RECOMMENDATIONS
2011 Residential Street Vitality Projects

Report Prepared 12-20-10
Public Hearing (date to be determined)

PROGRAM

These projects are to improve the areas referred to as the **Davern-Jefferson Phase II (Area 78), Page-Woodbury (Area 19), Blair-Griggs (Area 62), and Howell-Goodrich (part of the Prior-Goodrich RSVP Area 71) Residential Street Vitality Projects**. See the attached project area maps.

Improvements to be made as part of the projects include constructing new bituminous surfaced streets with concrete curb and gutter, concrete driveway aprons and outwalks, and boulevards landscaped with sod and trees. The existing wood pole lights will be replaced with a new lantern style street lighting system as part of the projects. In addition, appropriate sanitary sewer repairs will be made, lead water services in the right of way will be replaced, and storm and sanitary sewer reconnections 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 2 separate ramps in line with the sidewalks in both directions, and with a truncated dome surface.

Public art will be included in each project, as feasible. Specific procedures are still being developed and are expected to be in place in time to implement public art for the 2011 projects. Funding for public art is 1% of eligible project funds as determined by the Office of Financial Services, per the city's Public Art Ordinance.

EXISTING CONDITIONS

Most of the residential streets in the project areas are oiled or older paved streets. The street widths vary, generally between 26' and 32'. The street surfaces are generally in fair to poor condition.

Most of the areas have wood pole street lighting.

PROPOSED IMPROVEMENTS

It is proposed to improve the following streets with the construction of new bituminous surfaced streets with concrete curb and gutter, concrete driveway aprons and outwalks, and boulevards landscaped with sod and trees. In addition, appropriate sanitary sewer repairs will be made, lead water services in the right of way will be replaced, and storm sewer and sanitary sewer connections will be made at the request of property owners.

Davern-Jefferson Phase II (Area 78)

JULIET AVENUE – Fairview Avenue to Snelling Avenue
PALACE AVENUE – Fairview Avenue to Snelling Avenue
JAMES AVENUE – Fairview Avenue to Snelling Avenue
WHEELER STREET – Randolph Street to Jefferson Avenue
DAVERN STREET – Randolph Street to Jefferson Avenue
MACALESTER STREET – Randolph Street to Jefferson Avenue

Page-Woodbury (Area 19)

STEVENS STREET – Robert Street to State Street
KING STREET – Robert Street to State Street
PAGE STREET – Oakdale Avenue to Andrew Street
BELVIDERE STREET – Oakdale Avenue to Kansas Street
WINONA STREET – Oakdale Avenue to Kansas Street
WYOMING STREET – Oakdale Avenue to Lafayette Road
MOUNT HOPE AVENUE – Sidney Street to Prescott Street
HARVARD STREET – Annapolis Street to Belvidere Street
HARVARD STREET – Sidney Street to Prescott Street
WOODBURY STREET – Annapolis Street to Belvidere Street
WOODBURY STREET – Sidney Street to Prescott Street
BROWN AVENUE – Annapolis Street to Belvidere Street
BROWN AVENUE – Sidney Street to Page Street
ANDREW STREET – Wyoming Street to Curtice Street
ANDREW STREET – Sidney Street to Page Street
KANSAS STREET – Annapolis Street to Winona Street

Blair-Griggs (Area 62)

LAFOND AVENUE – Hamline Avenue to Lexington Parkway
BLAIR AVENUE – Hamline Avenue to Lexington Parkway
VAN BUREN AVENUE – Hamline Avenue to Lexington Parkway
SYNDICATE STREET – Thomas Avenue to Minnehaha Avenue
GRIGGS STREET – Thomas Avenue to Minnehaha Avenue
DUNLAP STREET – Thomas Avenue to Minnehaha Avenue

Howell-Goodrich (part of the Prior-Goodrich RSVP Area 71)

LINCOLN AVENUE – Prior Avenue to Fairview Avenue
GOODRICH AVENUE – Prior Avenue to Fairview Avenue
FAIRMOUNT AVENUE – Prior Avenue to Fairview Avenue
PRINCETON AVENUE – Prior Avenue to Fairview Avenue
HOWELL STREET – Sargent Avenue to Grand Avenue

Decisions regarding the street widths will be made keeping in mind the right of way widths, existing street widths, any relevant neighborhood issues, and the impact on boulevard trees. New curb may be hand formed to avoid damaging boulevard trees or their roots. Tree trimming may be necessary to facilitate construction.

All the streets to be paved will also have a lantern style street lighting system installed as part of this project.

Kansas from Annapolis to Winona is an MSA street that will be reconstructed as part of the Page-Woodbury RSVP project. This street will have features similar to those being constructed on the residential streets in the project area.

As part of the project design processes, attempts will be made to meet the stormwater management requirements of the appropriate watershed districts.

ALTERNATES

To do nothing would be inconsistent with the City's commitment to improve existing oiled and older paved streets.

POSITIVE BENEFITS

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

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

Street widths will be selected to minimize the impact 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.

TIME SCHEDULE

The projects will begin in the spring and summer of 2011 and be completed by the fall of 2011.

DAVERN-JEFFERSON Phase II 11-P-8157

COST ESTIMATE

Construction	\$ 3,048,085
Engineering	\$ 594,377
Miscellaneous	\$ 200,000
TOTAL	\$ 3,842,462

ESTIMATED FINANCING

Street Improvement Bonds	\$ 2,954,797
Stormwater Quality Improvements	\$ 486,905
Major Sewer Repairs	\$ 131,090
SPRWS	\$ 269,670
TOTAL	\$ 3,842,462

**PAGE-WOODBURY 11-P-8151
COST ESTIMATE**

Construction	\$ 4,930,351
Engineering	\$ 961,419
Miscellaneous	\$ 250,000
TOTAL	\$ 6,141,770

ESTIMATED FINANCING

Street Improvement Bonds	\$ 4,578,693
Stormwater Quality Improvements	\$ 756,161
Major Sewer Repairs	\$ 203,582
SPRWS	\$ 418,797
MSA	\$ 184,537
TOTAL	\$ 6,141,770

**BLAIR-GRIGGS 11-P-8156
COST ESTIMATE**

Construction	\$ 3,177,939
Engineering	\$ 619,698
Miscellaneous	\$ 200,000
TOTAL	\$ 3,997,637

ESTIMATED FINANCING

Street Improvement Bonds	\$ 3,073,156
Stormwater Quality Improvements	\$ 507,099
Major Sewer Repairs	\$ 136,527
SPRWS	\$ 280,855
TOTAL	\$ 3,997,637

**HOWELL-GOODRICH 11-P-8155
COST ESTIMATE**

Construction	\$ 1,893,701
Engineering	\$ 369,272
Miscellaneous	\$ 200,000
TOTAL	\$ 2,462,973

ESTIMATED FINANCING

Street Improvement Bonds	\$ 1,893,354
Stormwater Quality Improvements	\$ 312,449
Major Sewer Repairs	\$ 84,121
SPRWS	\$ 173,049
TOTAL	\$ 2,462,973

**ALL RSVP PROJECTS COMBINED
COST ESTIMATE**

Construction	\$ 13,050,076
Engineering	\$ 2,544,766
Miscellaneous	\$ 850,000

PROJECT TOTAL \$ 16,444,843

ESTIMATED FINANCING

Street Improvement Bonds	\$ 12,500,000
Stormwater Quality Improvements	\$ 2,062,614
Major Sewer Repairs	\$ 555,320
SPRWS	\$ 1,142,371
MSA	\$ 184,537

PROJECT TOTAL \$ 16,444,843

The 2011 assessment rates for residential street paving and lighting are:

\$40.97 per ASSESSABLE FOOT for street paving

\$7.25 per ASSESSABLE FOOT for lantern style lighting on residential streets

SOURCE OF ADDITIONAL INFORMATION

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

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,

Lisa Falk-Thompson
Public Works