

SUMMARY OF ENGINEERING RECOMMENDATIONS
2012 Residential Street Vitality Projects

Report Prepared -- 11-8-11
Public Hearing -- (date to be determined)

PROGRAM

These projects are to improve the areas referred to as the **Prior-Goodrich (Area 72), Hewitt-Tatum (Area 57), and Battle Creek-Upper Afton (Area 3) Residential Street Vitality Program** 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 new lantern style street lighting systems 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.

In addition to the residential streets to be reconstructed, Minnehaha Avenue between Prior Avenue and Fairview Avenue will be done as an MSA route as part of the Hewitt-Tatum project. The features to be constructed on Minnehaha Avenue are the same as described above for the residential streets.

Public art will be included in each project, as feasible. Specific procedures are being developed and will be in place in time to implement public art for the 2012 projects. Funding for public art is 1% of eligible project funds, in this case Street Improvement Bonds, 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 condition. Most of the project areas have wood pole street lighting.

Minnehaha Avenue between Prior Avenue and Fairview Avenue is an older paved street with concrete curb, and is in generally poor condition. Its width is 42' with designated 5' wide bike lanes on each side. Parking on this section of Minnehaha Avenue is allowed on the north side of the street at all times, and banned on the south side between 8:00 am and 6:00 pm. As of April 2010, the average daily traffic (ADT) on Minnehaha Avenue between Prior and Fairview was 1900 vehicles per day. The existing lantern style street lighting will remain in place.

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.

Prior-Goodrich (Area 72)

LINCOLN AVENUE – Cleveland Avenue to Fairview Avenue
GOODRICH AVENUE – Cleveland Avenue to Fairview Avenue
FAIRMOUNT AVENUE – Kenneth Street to Fairview Avenue
PRINCETON AVENUE – Cleveland Avenue to Fairview Avenue
SARGENT AVENUE – Kenneth Street to Fairview Avenue
KENNETH STREET – Princeton Avenue to Fairmount Avenue
PRIOR AVENUE – Princeton Avenue to Summit Avenue
HOWELL STREET – St. Clair Avenue to Grand Avenue

Hewitt-Tatum (Area 57)

TAYLOR AVENUE – Prior Avenue to Clayland Street
HEWITT AVENUE – Prior Avenue to Clayland Street
HEWITT AVENUE – Howell Street to Clayland Street
PENNOCK AVENUE – Prior Avenue to Tatum Street
CHELTON AVENUE – Prior Avenue to Fairview Avenue
HOWELL STREET – Chelton Avenue to Taylor Avenue
TATUM STREET – Minnehaha Avenue to Taylor Avenue
N. ENGLEWOOD AVENUE – Minnehaha Avenue to Fairview Avenue
S. ENGLEWOOD AVENUE – Englewood Avenue to Fairview Avenue
MINNEHAHA AVENUE – Prior Avenue to Fairview Avenue

Battle Creek-Upper Afton (Area 3)

DORA COURT WEST – Upper Afton Road to Dora Lane
DORA LANE – Dora Court West to Dora Court East
DORA COURT EAST – Upper Afton Road to Dora Lane
KENNARD COURT – Upper Afton Road south to cul de sac
MILLER CREST LANE – Upper Afton Road south to cul de sac
FLANDRAU PLACE – Upper Afton Road south to cul de sac
GRACE LANE – Flandrau Place to White Bear Avenue
WHITE BEAR AVENUE – Upper Afton Road to C Street
A STREET – White Bear Avenue to B Street
B STREET – A Street to C Street
C STREET – B Street to White Bear Avenue
BATTLE CREEK PLACE – Upper Afton Road south to cul de sac
WEST SANDRALEE DRIVE – Upper Afton Road to East Sandralee Drive
EAST SANDRALEE DRIVE – Upper Afton Road to West Sandralee Drive
LUELLA STREET – Upper Afton Road to Longfellow Avenue
LONGFELLOW AVENUE – Luella Street to Ruth Street
HILDING AVENUE – Luella Street to Ruth Street
RUTH STREET – Upper Afton Road to Longfellow 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.

Minnehaha Avenue from Prior to Fairview will be reconstructed as an MSA route as part of Hewitt-Tatum. Public Works is proposing to reconstruct the street at the existing width of 42'. No new traffic signal locations are being planned for Minnehaha Avenue:

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 neighborhoods. The newly rebuilt roadways will improve drivability of their neighborhoods, 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 construction in the spring and summer of 2012 and be completed by the fall of 2012. There will be further restrictions on the amount of time work is done on individual segments of streets.

Prior-Goodrich 12-P-8155
COST ESTIMATE

Construction	\$ 5,358,951
Engineering	\$ 1,044,996
Miscellaneous	\$ 300,000
TOTAL	\$ 6,703,947

ESTIMATED FINANCING

Street Improvement Bonds	\$ 5,700,085
Stormwater Quality Improvements	\$ 518,999
SPRWS	\$ 352,423
Major Sewer Repairs	\$ 132,440
TOTAL	\$ 6,703,947

Hewitt-Tatum 12-P-8153
COST ESTIMATE

Construction	\$ 3,566,442
Engineering	\$ 735,848
Miscellaneous	\$ 200,000
TOTAL	\$ 4,502,290

ESTIMATED FINANCING

Street Improvement Bonds	\$ 3,046,507
Stormwater Quality Improvements	\$ 278,035
SPRWS	\$ 188,798
Major Sewer Repairs	\$ 70,950
MSA	\$ 825,000
Assessments (for MSA route)	\$ 93,000
TOTAL	\$ 4,502,290

Battle Creek-Upper Afton 12-P-8154
COST ESTIMATE

Construction	\$ 3,516,385
Engineering	\$ 685,695
Miscellaneous	\$ 200,000
TOTAL	\$ 4,402,080

ESTIMATED FINANCING

Street Improvement Bonds	\$ 3,743,703
Stormwater Quality Improvements	\$ 340,383
SPRWS	\$ 231,134
Major Sewer Repairs	\$ 86,860
TOTAL	\$ 4,402,080

**ALL RSVP PROJECTS COMBINED
COST ESTIMATE**

Construction	\$ 12,441,778
Engineering	\$ 2,466,539
Miscellaneous	\$ 700,000

PROJECT TOTAL \$ 15,608,317

ESTIMATED FINANCING

Street Improvement Bonds	\$ 12,490,295
Stormwater Quality Improvements	\$ 1,137,417
SPRWS	\$ 772,355
Major Sewer Repairs	\$ 290,250
MSA	\$ 825,000
Assessments (for MSA route)	\$ 93,000

PROJECT TOTAL \$ 15,608,317

The 2012 assessment rates for residential street paving and lighting are expected to be approximately \$60.00 total per ASSESSABLE FOOT.

SOURCE OF ADDITIONAL INFORMATION

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

SUMMARY AND RECOMMENDATION

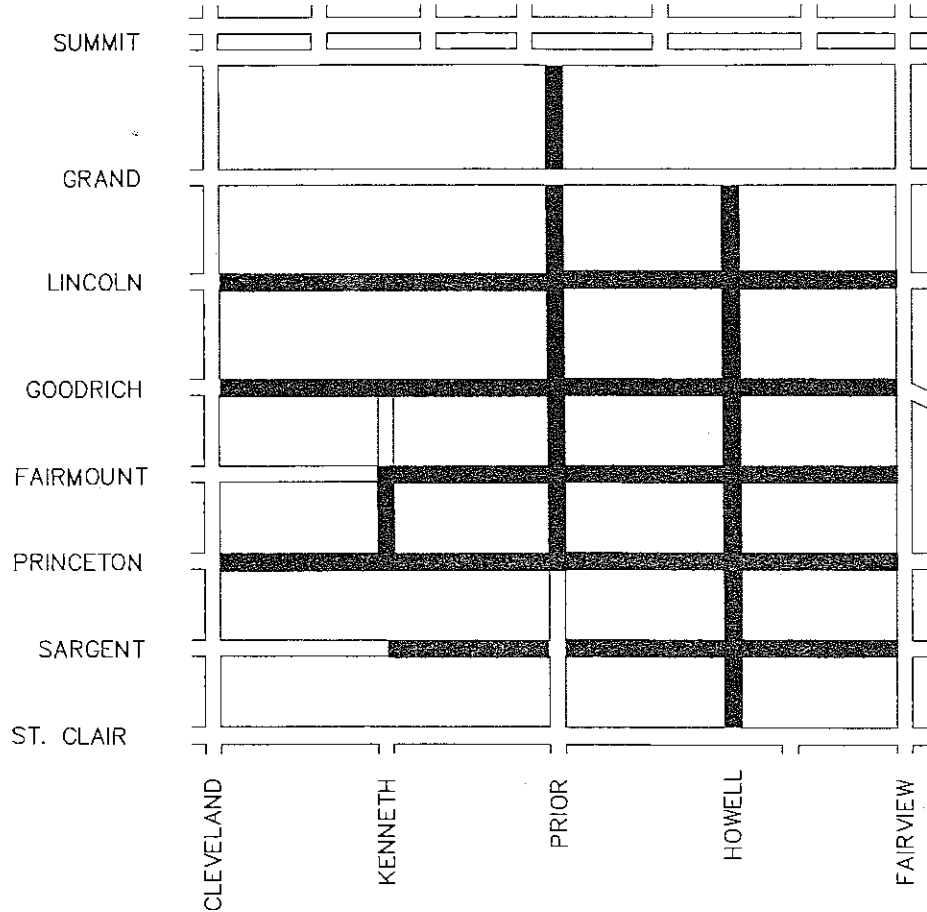
The Department of Public Works feels that this is a necessary and worthwhile project, and the Engineering Recommendation is for approval of the project and financing.


Respectfully submitted,

Lisa Falk-Thompson
Public Works



City of Saint Paul
Department of Public Works
Street Engineering and Construction Division



 = STREETS TO BE RECONSTRUCTED IN 2012

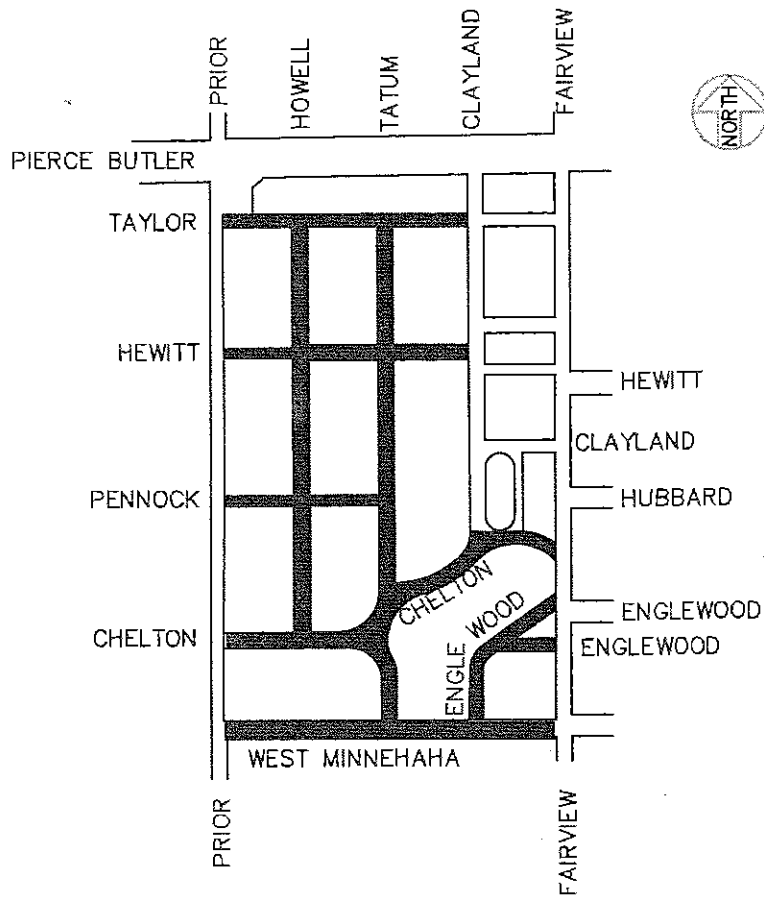
2012
PRIOR/GOODRICH RSVP
12-P-8155

Project Area 72

9/23/11



City of Saint Paul
Department of Public Works
Street Engineering and Construction Division

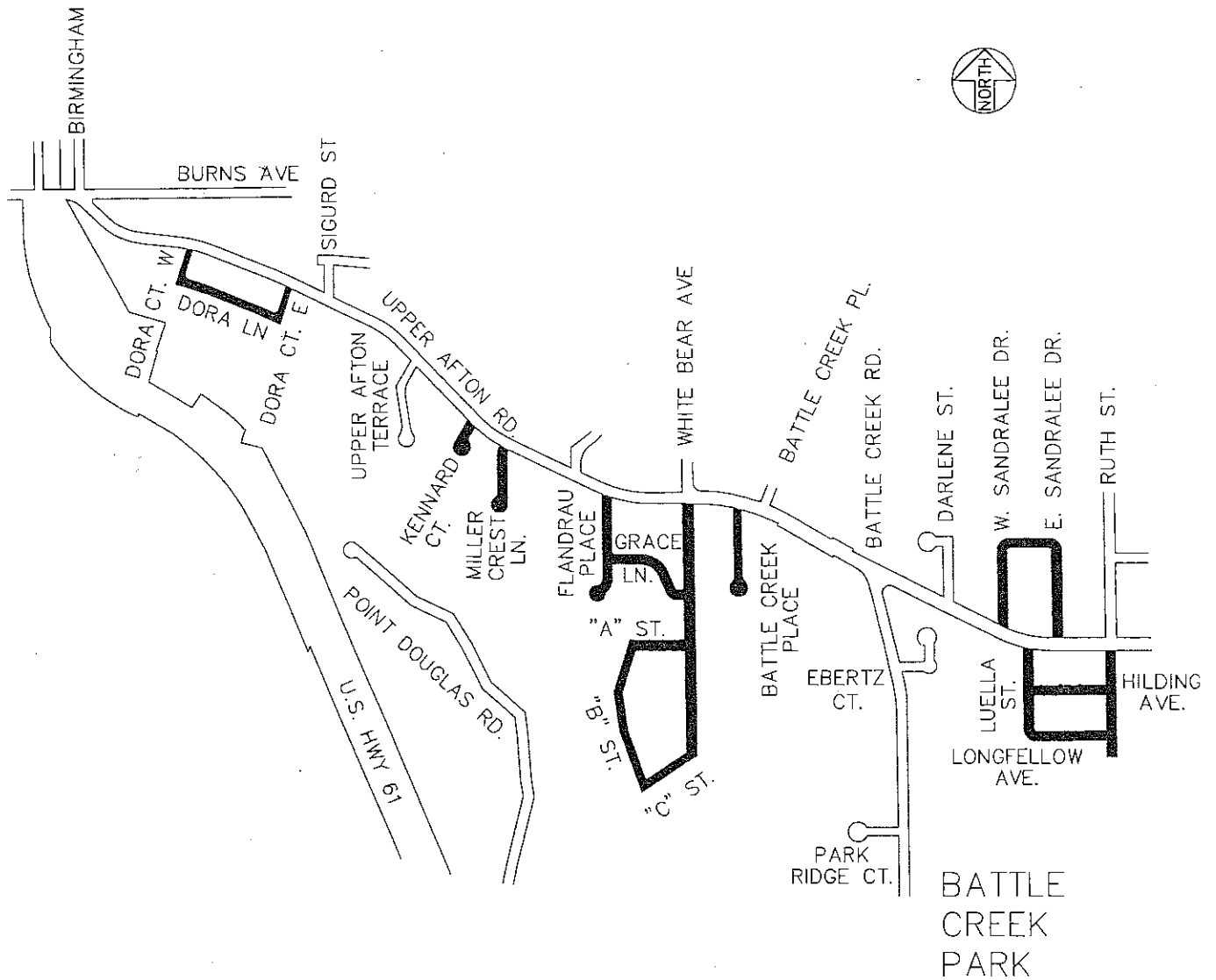


 = STREETS TO BE RECONSTRUCTED

2012
HEWITT/TATUM RSVP
12-P-8153
10-13-10
Project Area 57



City of Saint Paul
Department of Public Works
Street Engineering and Construction Division



————— = STREETS TO BE RECONSTRUCTED IN 2012

2012
BATTLE CREEK/UPPER AFTON RSVP
12-P-8154

Project Area 3
10/13/11