



Request for City Council Committee Action From the Departments of Public Works

Date: May 12, 2009
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Referral To: Honorable Paul Ostrow, Chair Ways and Means/Budget Committee
Subject: **2009 SAFETEA_LU Submission (2013-2014)**

Recommendation:

Authorization to:

1. Submit a series of applications for Federal Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA_LU) funds passed through the state;
2. Commit local funds per federal requirement to support the approved SAFETEA_LU projects.

Previous Directives:

None

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Approved by:

Steven A. Kotke, P.E., City Engineer, Director of Public Works

Presenters: Jenifer Loritz, P.E., Project Manager, Transportation Planning & Engineering

Reviews:

Permanent Review Committee (PRC):	Not Applicable
Civil Rights Affirmative Action Plan:	Not Applicable
Policy review Group (PRG):	Not Applicable

Financial Impact (Check those that apply)

- No financial impact - or - Action is within current department budget (If checked, go directly to Background/Supporting Information)
- Business Plan: ___ Action is within the plan.
- Other financial impact (Explain): Future funding for operation and maintenance is required.

Community Impact

Neighborhood Notification: Not Applicable
Neighborhood Meetings: Not Applicable
City Goals: Maintain the physical infrastructure to ensure a healthy, vital and safe City
Comprehensive Plan: Not Applicable
Zoning Code: Not Applicable

Background/Supporting Information

The City will prepare a series of applications for 2009 federal SAFETEA_LU funds in response to the current Metropolitan Council solicitation and the Minnesota Department of Transportation (MnDOT) solicitation for 2013 and 2014 funds. This request includes a summary of the eligible project areas, a brief description of city projects, estimated costs, and the SAFETEA_LU submission amounts. Each project requires a local match for construction plus the costs for design and engineering. These applications will maximize the use of federal funding.

The City is recommending the submittal of the following applications in the SAFETEA_LU program areas.

Project Name	Agency	Program	SAFETEA_LU Requested Amount
5 th Street LRT Corridor Streetscape	CPED	TE	\$1,000,000
West Broadway Avenue	CPED	TE	\$1,000,000
44 th / Penn Avenue / Osseo Road	CPED	TE	\$1,000,000
Street Light Intelligent Management	PW-TPS	TE	\$1,000,000
Parkway Street Light Replacement	PW-TPS	TE	\$1,000,000
Bridge 9 Over the Mississippi River	PW-TPE	STP	\$7,000,000
Bridge 9 Over the Mississippi River	PW-TPE	TE	\$1,000,000
10 th Ave SE Bridge Arch Rehab.	PW-TPE	BIR	\$3,400,000
10 th Ave SE Bridge Arch Rehab.	PW_TPE	TE	\$1,000,000
Granary Road (25 th Ave SE to 17 th Ave SE)	PW-TPE	STP	\$7,000,000
Hiawatha LRT Trail Lighting	PW_TPE	TE	\$1,000,000
Total Federal Amount Requested			\$25,400,000
Estimated Minimum Local Match Required (20%)			\$5,080,000
Additional Local Responsibility for Engineering, Non-Federal Participating, etc.			\$15,420,000

CPED = Community Planning and Economic Development

PW-TPS = Public Works – Traffic and Parking Services

PW-TPE = Public Works – Transportation Planning and Engineering

TE = Transportation Enhancement Program

BIR = Bridge Improvement or Replacement Program

STP = Surface Transportation Program

Of the \$5,080,000 in required local match dollars, approximately \$2,680,000 has been programmed in the current CIP. Bridge 9 Over the Mississippi River, should this project move forward in the SAFETEA_LU program, would require a local match of \$1,600,000. The CIP can be adjusted in future years to accommodate this amount if necessary. The three CPED initiated projects are not currently in the Capital Improvement Program and therefore do not have matching funds identified. If CPED is unsuccessful in securing the necessary funding prior to the application deadline, applications will not be submitted.

Surface Transportation Program (STP) – Total available \$93 million

Through this solicitation, the region will program approximately \$93 million (subject to adjustment depending on amounts authorized) in STP Urban Guarantee funds in Federal Fiscal Years 2013 and 2014.

STP funds are a source of flexible federal funds to state and local governments to build highways, bridges, and pedestrian and bicycle facilities, improve transit systems and construct intermodal projects.

Granary Road (25th Ave SE to 17th Ave SE) (\$7,000,000) – This project will construct the second phase of Granary Road intended to relieve University Ave SE and Interstate 94 of local trips between Minneapolis and St Paul which will experience a significant increase in traffic due to the closure of Washington Ave for the Central Corridor LRT Transit Mall. The project will include roadway grading, paving, storm sewer, drainage improvements, signals, lighting, striping, sidewalks and a bike path.

Bridge 9 Over the Mississippi River (\$7,000,000) – Bridge 9 over the Mississippi River substructure rehabilitation (Bridge #94246) is a historic 1922 Pratt Steel Deck Truss Bridge that carries two pedestrian lanes, two bicycle lanes and the U of M utility steam line. It provides an integral pedestrian and bicycle connection between downtown Minneapolis to the University of Minnesota.

The project proposes to rehabilitate the 925 foot long pedestrian and bicycle commuter bridge over the Mississippi river stretching from the East Bank to the West Bank of the University of Minnesota.

Total City STP Request \$14,000,000

Bridge Improvement or Replacement Program (BIR)

10th Ave SE Bridge Arch Rehabilitation (\$3,400,000) – The 10th Avenue SE Bridge is a concrete arch bridge over the Mississippi River between West River Parkway and 2nd Street Southeast; it is located about 300 feet east of Interstate 35W.

This historic Bridge accommodates pedestrians, bicyclists and bus traffic which results in relief for I-35W. It also carries steam, electrical and communication utilities tied to the substructure.

Total City BIR Request \$3,400,000

Transportation Enhancement Program (TE) – Total available \$17 million

Through this solicitation, approximately \$17 million (subject to adjustment depending on amounts authorized) in TE funds will be programmed in Federal Fiscal Years 2013 and 2014.

TE funds are directed toward projects that preserve historic, archaeological, scenic and environmental resources related to surface transportation and to facilitate bicycle and pedestrian use.

5th Street LRT Corridor Streetscape (\$1,000,000) – This project includes the length of 5th Street in Downtown from the Downtown East transit station at Chicago Avenue to the location of the proposed multimodal station at 5th Avenue North. The construction of new rail transit infrastructure in Downtown Minneapolis offers the opportunity to reshape the public realm and encourage the economic potential of downtown neighborhoods. 5th Street already is being transformed from a typical downtown street to one that has a new function – the central spine of downtown rail transit. Perhaps the best opportunity – one that offers maximum potential for a relatively small investment – is to establish a clear pedestrian link that enhances the character of the LRT corridor through the installation of a consistent streetscape along the length of 5th Street. Desired improvements include street lighting, pedestrian lighting, sidewalk treatments, intersection and crosswalk treatments, street furnishings, landscaping, and public art.

West Broadway Avenue (\$1,000,000) – This project is on West Broadway between Bryant and Emerson Avenues. This is a street reconstruction and streetscaping project for a challenged commercial district. Potential components of the project include pedestrian improvements through wider sidewalks, curb extensions, signal countdown timers and enhanced crosswalks.

A well-vetted design concept was developed as part of the West Broadway Alive plan. The proposed improvements have the potential of yielding significant measurable improvements at the commercial heart of North Minneapolis.

44th / Penn Avenue / Osseo Road (\$1,000,000) – This intersection was the subject of a traffic analysis paid for by the neighborhood through a Great Streets grant. The focus of the analysis was how to support pedestrian circulation through the district. Sidewalks are inadequate. Signals only permit street crossing at one location. The study recommended a set of modifications to lanes and signaling that yielded some additional sidewalk width and an additional pedestrian crossing location. Streetscaping would also be beneficial.

Street Light Intelligent Management (\$1,000,000) – The proposed project would allow control of the City's street lighting system's consumption rates by implementing a new network technology. The annual estimated energy savings are 20%. Street lighting energy consumption currently costs the City \$4 million annually.

This project will allow a user, or program, control of the City's street lighting system from anywhere, delivering light intelligently based upon real-time conditions. Through a wireless network and existing power lines, the user can efficiently and effectively control the operation of all street lights maintained by the City of Minneapolis from one central location, mobile or stationary. There are significant cost savings realized in conjunction with this type of control. The City of Minneapolis maintains and operates approximately 20,000 street lights. The City relies on public call-ins to identify street lights that are not operational. Scheduling maintenance crews to address these calls is challenging for maximizing maintenance crew efficiency. The project/technology proposed would allow maintenance staff to assess and program "lights out" in a more efficient manner by identifying the outages through the network prior to a public call-in. This would allow maintenance staff to schedule the actual day in which the street light will be repaired. There will also be savings realized in crew efficiency by programming maintenance activities to a specific geographical area.

Parkway Street Light Replacement (\$1,000,000) – This project consists of the replacement of poles, fixtures, and electrical wiring associated with the lighting systems in place along the many scenic parkways in the City. The existing facilities are approaching the end of their useful life and are becoming costly to operate and maintain. Current maintenance funding is unable to keep base with the current need. The total cost to replace the existing lighting system, underground wiring, fixtures and poles is estimated at over \$14 million.

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Hiawatha LRT Trail Lighting (\$1,000,000) – The Hiawatha LRT Lighting Project entails the addition of 90 low level pedestrian lighting fixtures along the Hiawatha LRT Trail from 11th Ave S to 28th Street South. This is a partnership project between the City of Minneapolis and Metro Transit. The project will enhance personal safety and will result in higher numbers of trail users, especially during winter months. Over 2,000 bicycles and pedestrians currently use this facility. If successful in receiving Enhancement funding, the project will be constructed in 2013.

Total City TE Request \$8,000,000

Total Minneapolis Request for Proposed 2009 SAFETEA_LU Projects: \$25,400,000

CC: Mayor Rybak
City Council