



# Council Communication

Office of the City Manager

Date

October 9, 2006

Agenda Item No. 14  
Roll Call No. 06-  
Communication No. 06-634  
Submitted by: **Jeb E. Brewer, P.E.**  
City Engineer

## AGENDA HEADING:

Authorizing Submittal of STP and STP-TE Fund Applications to the Des Moines Metropolitan Planning Organization.

## SYNOPSIS:

The Des Moines Area Metropolitan Planning Organization (MPO) is soliciting project applications for Federal Surface Transportation Program (STP) funds and for Transportation Enhancement (TE) funds for Fiscal Years 2010 and 2011. It is recommended that the City submit applications for several projects, as listed below:

1. (STP) Major Construction Category: Indianola Avenue Widening – SE 14th Street to Army Post Road.
2. (STP) Major Construction Category: Park Avenue Widening – SW 56<sup>th</sup> Street to SW 63<sup>rd</sup> Street
3. (STP) Major Construction Category: Southeast Connector Improvement – SE 6<sup>th</sup> Street to SE 14<sup>th</sup> Street.
4. (STP) Minor Construction Category: Euclid Avenue and Cornell Street Intersection Improvement.
5. (STP) Minor Construction Category: SW 9<sup>th</sup> Street and MTA Lane Intersection Improvement.
6. (STP) Preservation Category: Thomas Beck Road Repair/Resurfacing – SW 9<sup>th</sup> Street to Fleur Drive.
7. (STP) Preservation Category: Evergreen Drive Bridge over the Easter Lake Spillway.
8. (STP) Preservation Category: Fleur Drive Viaduct over the Union Pacific Railroad
9. (STP-TE) Bicycle/Pedestrian Trails: Waveland Trail Phase 2.
10. (STP-TE) Bicycle/Pedestrian Trails: Southeast Connector Trail – Des Moines River Bridge to SE 14<sup>th</sup> Street.
11. (STP-TE) Bicycle/Pedestrian Trails: Indianola Avenue Trail Underpass at Ewing Park.
12. (STP-TE) Scenic/Environmental: Beaverdale Village Streetscape Project.

13. (STP-TE) Scenic/Environmental: Ingersoll Avenue Streetscape Project.

**FISCAL IMPACT:**

1. Indianola Avenue Widening – SE 14th Street to Army Post Road

Surface Transportation Program Funds Requested	\$ 2,000,000 (FY 2010)
	\$ 2,000,000 (FY 2011)
Total Project Cost	\$12,500,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

2. Park Avenue Widening – SW 56<sup>th</sup> Street to SW 63<sup>rd</sup> Street

Surface Transportation Program Funds Requested	\$1,500,000 (FY 2010)
	\$1,500,000 (FY 2011)
Total Project Cost	\$4,500,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

3. Southeast Connector Improvement – SE 6<sup>th</sup> Street to SE 14<sup>th</sup> Street.

Surface Transportation Program Funds Requested	\$ 2,000,000 (FY 2010)
	\$ 1,000,000 (FY 2011)
Total Project Cost	\$25,500,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

4. Euclid Avenue and Cornell Street Intersection Improvement

Surface Transportation Program Funds Requested	\$350,000 (FY 2010)
Total Project Cost	\$700,000

Local matching funds for these projects are not included in the 2006-07/2011-12 CIP, but will be included in future CIPs if the applications are successful.

5. SW 9<sup>th</sup> Street and MTA Lane Intersection Improvement

Surface Transportation Program Funds Requested	\$300,000 (FY 2011)
Total Project Cost	\$500,000

Local matching funds for these projects are not included in the 2006-07/2011-12 CIP, but will be included in future CIPs if the applications are successful.

6. Thomas Beck Road Repair/Resurfacing – SW 9<sup>th</sup> Street to Fleur Drive

Surface Transportation Program Funds Requested	\$ 500,000 (FY 2010)
Total Project Cost	\$1,000,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

7. Evergreen Drive Bridge over the Easter Lake Spillway

Surface Transportation Program Funds Requested	\$200,000 (FY 2010)
Total Project Cost	\$500,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

8. Fleur Drive Viaduct over the Union Pacific Railroad

Surface Transportation Program Funds Requested	\$300,000 (FY 2011)
Total Project Cost	\$550,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

9. Waveland Trail Phase 2

Surface Transportation Program Funds Requested	\$200,000 (FY 2010)
Total Project Cost	\$600,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

10. Southeast Connector Trail – Des Moines River Bridge to SE 14<sup>th</sup> Street

Surface Transportation Program Funds Requested	\$ 200,000 (FY 2010)
Total Project Cost	\$1,200,000

Local matching funds for these projects are included in the 2006-07/2011-12 CIP and will be included in future CIPs if the applications are successful.

11. Indianola Avenue Trail Underpass at Ewing Park

Surface Transportation Program Funds Requested	\$250,000 (FY 2011)
Total Project Cost	\$500,000

Local matching funds for these projects are not included in the 2006-07/2011-12 CIP, but will be included in future CIPs if the applications are successful.

12. Beaverdale Village Streetscape Project

Surface Transportation Program Funds Requested	\$ 280,000 (FY 2010)
	\$ 280,000 (FY 2011)
Total Project Cost	\$1,400,000

Local matching funds for these projects are not included in the 2006-07/2011-12 CIP but will be included in future CIPs if the applications are successful.

13. Ingersoll Avenue Streetscape Project

Surface Transportation Program Funds Requested	\$ 280,000 (FY 2010)
	\$ 280,000 (FY 2011)
Total Project Cost	\$1,400,000

Local matching funds for these projects are not included in the 2006-07/2011-12 CIP, but will be included in future CIPs if the applications are successful.

**ADDITIONAL INFORMATION:**

The MPO is soliciting project applications for Federal STP and STP-TE funds for FY 2010 and FY 2011. The applications must be submitted to the MPO by October 27, 2006. Funding is divided into two major categories, as further identified below:

STP PROJECT APPLICATIONS

STP project applications are requested for FY 2010 and FY 2011, with approximately \$4.5 million available in each fiscal year for the metro region. The MPO has previously established four categories of STP projects: Major Construction, Minor Construction, Preservation, and Alternative Transportation. Staff has reviewed a number of potential projects and recommends the following projects be submitted for STP funding:

Major Construction Category:

1. Indianola Avenue Widening – SE 14th Street to Army Post Road

This project would be the second phase of a widening/paving project on Indianola Avenue from SE 14th Street south to Army Post Road. A four-lane, divided roadway is being considered. A consultant study of this corridor is currently underway. The estimated project cost is \$12.5 million. The City is requesting \$2,000,000 of each of the FY 2010 and FY 2011 funds.

2. Park Avenue Widening – SW 56<sup>th</sup> Street to SW 63<sup>rd</sup> Street

This project would consist of widening Park Avenue between the Monarch Cement Railroad Tracks and SW 63<sup>rd</sup> Street. A four-lane divided roadway is proposed. The estimated project cost is \$4,500,000. The City is requesting \$1,500,000 of each of the FY 2010 and FY 2011 funds.

3. Southeast Connector Improvement – SE 6<sup>th</sup> Street to SE 14<sup>th</sup> Street

This project would construct a 4-6 lane divided roadway along a new alignment in the vicinity of Raccoon Street and Scott Avenue. Bike lanes are planned to be included in the roadway, and a multipurpose trail will be constructed along the south side of the roadway. The estimated project cost is \$25,500,000. The City is requesting \$2,000,000 of FY 2010 funds and \$1,000,000 of FY 2011 funds.

Minor Construction Category:

4. Euclid Avenue and Cornell Street Intersection Improvement

This project would consist of widening Euclid Avenue at Cornell Street in order to provide east-west left-turning lanes. New traffic signals would also be installed. The estimated project cost is \$700,000. The City is requesting \$350,000 of FY 2010 funds.

5. SW 9<sup>th</sup> Street and MTA Lane Intersection Improvement

This project would consist of modifications at the intersection of SW 9<sup>th</sup> Street and MTA Lane in order to provide north-south left-turning lanes. New traffic signals would also be installed. The estimated project cost is \$500,000. The City is requesting \$300,000 of FY 2011 funds.

Preservation Category:

6. Thomas Beck Road Repair / Resurfacing

This project consists of repair and resurfacing of Thomas Beck Road between Fleur Drive and SW 9<sup>th</sup> Street. The estimated project cost is \$1,000,000. The City is requesting \$500,000 of FY 2010 funds.

7. Evergreen Drive Bridge over Easter Lake Spillway

This project consists of bridge repair and bridge deck overlay on this structure, which is located on Evergreen Drive west of SE 34<sup>th</sup> Street. The estimated project cost is \$500,000. The City is requesting \$200,000 of FY 2010 funds.

8. Fleur Drive Viaduct over the U.P. Railroad

This project consists of bridge repairs to this structure, which is located on Fleur Drive just north of Bell Avenue. The estimated project cost is \$550,000. The City is requesting \$300,000 of FY 2011 funds.

STP-TE PROJECT APPLICATIONS

STP-TE project applications are requested for FY 2010 and FY 2011. The MPO has previously established three categories of TE projects: Scenic/Environmental, Bicycle/Pedestrian Facilities, and Historic Preservation. Total funds available are rather limited, with approximately \$450,000 per year for funding of all three categories. Engineering, Community Development, and Parks and Recreation staff have reviewed a number of potential projects, and recommend the following projects for submittal to the MPO for TE funding.

Bicycle/Pedestrian Trails:9. Waveland Trail – Phase 2

This project will start at the north side of the interchange of 56<sup>th</sup> Street with I-235, and will extend north along the west side of the Waveland Golf Course and the Glendale Cemetery to connect to the Northwest Community Center and the Franklin Avenue Library. The total project cost estimate is \$600,000. The City is requesting \$200,000 of FY 2010 funds.

10. Southeast Connector Trail – Des Moines River Bridge to SE 14<sup>th</sup> Street

This project is the first portion of a connector trail from downtown Des Moines to the Four-Mile Creek Greenway Trail System. This trail includes a bridge over the Des Moines River and a trail along the south side of the Southeast Connector. This trail will be a part of the downtown Des Moines trail system and will have links to the regional trail system. The trail will be 10 feet in width and be made of concrete. The trail over the Des Moines River will be 14 feet wide and be constructed as part of the vehicular bridge over the river (similar to the Martin Luther King Jr. Parkway Bridge over the Raccoon River). Total cost for this trail project is \$1,200,000. The City is requesting \$200,000 of FY 2010 funds.

11. Indianola Avenue Trail Underpass at Ewing Park

This project will involve construction of a pedestrian and bicycle underpass as part of the Indianola Avenue reconstruction project. This underpass will link two major regional parks: Ewing Park on the west side of Indianola Avenue and Easter Lake Park to the east of Indianola Avenue. Several trails are being planned or are currently under construction in the vicinity of the planned underpass, including a continuous trail along the west side of Indianola Avenue. Construction of the underpass, which would be done in conjunction with the proposed widening of Indianola Avenue, will provide for safer and more convenient pedestrian and bicycle crossing of this busy arterial roadway. The total estimated project cost is \$500,000. The City will be requesting \$250,000 of FY 2011 funds.

Scenic/Environmental:12. Beaverdale Village Streetscape Project

This project will focus on the Beaverdale Commercial District running along Beaver Avenue, which is bisected by the intersection of Beaver and Urbandale Avenues. This project will consist of entrance markers denoting the commercial area, new sidewalks, curbs/gutters, new street and pedestrian lights, pedestrian amenities and crosswalk bump-outs to provide a safer crossing for pedestrians. This project would extend from Beaver Crest Drive on the south to Adams Avenue on the north and would encompass the intersection of Beaver and Urbandale Avenues as improvements would turn the corner and run east and west along Urbandale Avenue for a short distance. The estimated cost of this project is \$1,400,000. The City is requesting \$280,000 of both the FY 2010 and FY 2011 funds.

13. Ingersoll Avenue Streetscape Project

The City of Des Moines has partnered with the Ingersoll Avenue community to create the Ingersoll Avenue Improvement Plan. This document includes recommendations for streetscape, parking, and traffic improvements, as well as recommendations for redevelopment projects and policy changes for the corridor from the 17<sup>th</sup> Street intersection to the 42<sup>nd</sup> Street intersection. The Ingersoll planning area is relatively large, so streetscape improvements must be done in phases.

The City received \$150,000 in FY 2008 STP-TE funds for Phase One of this project, from 28<sup>th</sup> Street to 31<sup>st</sup> Street. The Ingersoll Restoration Committee has raised over \$360,000 in donations and grants as well. This work is currently under design and is scheduled for the 2007 construction season. Phase Two of the project will implement the pedestrian safety, traffic calming, and streetlight components of the plan and the related streetscape improvements from 31<sup>st</sup> Street to 35<sup>th</sup> Street. The total budget for this phase of the work is \$1,400,000. The City is requesting \$280,000 of both the FY 2010 and FY 2011 funds.

Each MPO funding application (for STP or TE funds) must provide assurance that the sponsor will adequately maintain the completed project for its intended public use for a minimum of 20 years following completion.

#### **PREVIOUS COUNCIL ACTION(S):**

Date: October 24, 2005

Roll Call Number: 05-2534

Action: Authorizing submittal of STP and STP-TE Fund Applications to the Des Moines Metropolitan Planning Organization. (Authorizing submittal of STP and STP-TE Fund Applications to the Des Moines Metropolitan Planning Organization. ([Council Communication No. 05-593](#)) Moved by Vlassis to adopt. Motion Carried 7-0.)

Date: October 25, 2004

Roll Call Number: 04-2273

Action: Authorization to submit applications to Des Moines Metropolitan Planning Organization for Federal Surface Transportation Program (STP) and Transportation Enhancement (TE) funds for 2008 Fiscal Year. ([Council Communication No. 04-540](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: November 3, 2003

Roll Call Number: 03-2493

Action: Submitting applications to the Metropolitan Planning Organization for Federal Surface Transportation Program (STP) and Transportation Enhancement (TE) funds for the following projects: ([Council Communication No. 03-525](#)). Moved by Hensley to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Approval of project agreements with the Iowa Department of Transportation.