



**Council
Communication**
Office of the City Manager

Date	August 6, 2007
Agenda Item No.	8A
Roll Call No.	07-
Communication No.	07-480
Submitted by: Jeb E. Brewer, P.E., City Engineer and William G. Stowe, Assistant City Manager/Public Works/Engineering	

AGENDA HEADING:

Approving and authorizing the execution of an Iowa Department of Transportation agreement for E. 14th Street (U.S. 69) from E. University Avenue to E. Aurora Avenue.

SYNOPSIS:

Recommend approval of Iowa Department of Transportation (Iowa DOT) Agreement No. 2007-5-145 for E. 14th Street (U.S. 69), which includes a widening project between E. Sheridan Avenue and E. Tiffin Avenue and a resurfacing project from E. University Avenue to E. Aurora Avenue. The widening project provides for the installation of a continuous left-turn lane on E. 14th Street within the widening limits, including a left-turning lane at the signalized intersections with Hull Avenue and with Morton Avenue. The widening project is being done in conjunction with a separate Iowa DOT resurfacing project on E. 14th Street between E. University Avenue and E. Aurora Avenue.

FISCAL IMPACT:

Amount: \$4,944,000

Funding Source:

Resurfacing Project

- \$390,000 MPO Federal STP Funds (preservation) STP-69-4(71)--2C-77
- \$604,000 Iowa DOT 3R Primary Road Funds STP-69-4(71)--2C-77
- \$994,000 Subtotal

Widening Project

- \$750,000 ICAAP STP-A-1945(732)--86-77
- \$400,000 Iowa DOT U-STEP UST-69-4(85)--4A-77
- \$500,000 MPO Federal STP Funds (widening) STP-U-1945(702)--70-77
- \$1,000,000 Federal HES Funds HES-69-4(78)--2H-77
- \$500,000 Iowa DOT TSF Funds CS-TSF-1945(700)--85-77
- \$800,000 City G.O. Bonds, 2007-08 CIP, Page Street-14, East 14th Street Widening – East Sheridan Avenue to East Tiffin Avenue, STR223
- \$3,950,000 Subtotal

\$4,944,000 TOTAL

ADDITIONAL INFORMATION:

The E. 14th Street widening project initially began as an improvement for the intersection of E. 14th Street and Hull Avenue. This signalized location has been identified for a number of years on the Iowa DOT's "Top 200 Safety Improvement Candidate Locations." It was ranked as high as No. 28 on this statewide list for the 5-year period between 1994-1998, with a total of 87 crashes involving 70 injuries.

In June 2001, the Iowa DOT prepared a Project Concept Statement for this location, which also studied a larger corridor improvement along E. 14th Street between E. Sheridan Avenue and E. Oak Park Avenue. During the same 5-year analysis time period (1994-1998), there were a total of 236 crashes involving 181 injuries within these limits.

The 2001 Iowa DOT study recommended that the intersection improvement be incorporated into a larger corridor widening improvement between E. Sheridan Avenue and E. Tiffin Avenue. This would provide a continuous left-turn lane on E. 14th Street within these limits, which includes the traffic signalized intersections with Hull Avenue and Grandview Avenue.

On September 12, 2005, by Roll Call No. 05-2167, the City Council approved a Pre-design Agreement with the Iowa DOT for this project. That agreement authorized the City to perform the design and right-of-way acquisition phases of the project. During the design phase, several alternatives for the widening were reviewed, including a symmetric and non-symmetric widening. Constructing all of the widening on the west side of E. 14th Street was determined to be the most cost effective and least disruptive method of widening the corridor. A public meeting was held on September 27, 2006, to present this design to the affected property owners. Right-of-way acquisition to allow for the widening is currently underway.

During the design of this project, several meetings were held with Grandview College. Grandview College has expressed an interest in acquiring Grandview Avenue west of E. 14th Street and converting the street into a pedestrian plaza. Grandview College is currently moving ahead with this plan as well as relocating their driveway on the east side of E. 14th Street. This will allow the signalized intersection to be moved from Grandview Avenue to Morton Avenue for vehicular traffic. Pedestrian signals will be installed at the location of the former Grandview Avenue due to the large number of students crossing E. 14th Street at that location.

The total project cost for the widening is estimated to be \$3,950,000. Of this amount, \$3,150,000 has been committed from a number of State and Federal funding sources. The remaining \$800,000 has been programmed in the Capital Improvement Program.

Also included in the project agreement is the incorporation of an Iowa DOT resurfacing project on E. 14th Street between E. University Avenue and E. Aurora Avenue. The Iowa DOT will design, contract, and inspect the resurfacing project, which will be constructed in conjunction with the City's proposed widening project. The total cost of this resurfacing project is funded 100% by the Iowa DOT and will include resurfacing E. 14th Street through the widening project. The City will be responsible to repair any damaged curbs and intakes on the resurfacing segment before construction.

PREVIOUS COUNCIL ACTION(S):

Date: September 11, 2006

Roll Call Number: [06-1743](#)

Action: Ratifying and confirming submission of Iowa Clean Air Attainment Program (ICAAP) Fund Applications to the Iowa Department of Transportation for the E. 14th Street Widening at Hull Avenue, (\$750,000) and the Merle Hay Road Traffic Signal Interconnect Upgrading, (\$440,000). ([Council Communication No. 06-560](#)) Moved by Vlassis to adopt. Motion Carried 6-0.

Date: September 12, 2005

Roll Call Number: [05-2167](#)

Action: Approving and authorizing the Iowa Department of Transportation Predesign Agreement for E. 14th Street (U.S. 69) from E. University Avenue to E. Aurora Avenue. ([Council Communication No. 05-512](#)) Moved by Vlassis to adopt. Motion Carried 7-0.

Date: August 8, 2005

Roll Call Number: 05-1885

Action: Approving applications to the Iowa Department of Transportation for Congestion Mitigation and Air Quality Improvement (CMAQ) funds for the following projects: ([Council Communication No. 05-439](#)) Moved by Brooks to adopt. Motion Carried 7-0.

- (A) East University Avenue Traffic Signal Interconnect Upgrade.
- (B) East 14th Street Widening Project at Hull/Grandview Avenue.

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: August 9, 2004

Roll Call Number: 04-1703

Action: Applications to the Iowa Department of Transportation for traffic safety funds to cover a portion of construction costs for the following projects: ([Council Communication No. 04-399](#)). Moved by Mahaffey to adopt. Motion Carried 7-0.

- (A) E. 14th Street and Hull Avenue Widening and Signalization.
- (B) SW 9th Street at Park and Bell Avenues – Traffic Signal Visibility Improvements.
- (C) 2nd Avenue and Madison Avenue Intersection Traffic Signal Upgrade

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Normal Council actions on construction contracts.