



Council Communication

Office of the City Manager

Date:	April 25, 2011
Agenda Item No.	7B
Roll Call No.	<u>11-0742</u>
Communication No.	<u>11-242</u>
Submitted by:	Jeb E. Brewer, P.E., City Engineer

AGENDA HEADING:

Ordering construction of the following: Tonawanda Drive Ravine Improvements - Receiving bids, (5-10-11), and Setting date of hearing, (5-23-11). (Construction Estimate - \$2,400,000).

SYNOPSIS:

Recommend the City Council proceed with construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. This project will provide solutions for the ongoing erosion and stream degradation that is occurring along both the east-west and north-south reaches of the Tonawanda Drive ravines. Stabilizing these channels will prevent any further damage to sanitary sewer lines and the Tonawanda Drive roadway.

FISCAL IMPACT:

Amount: \$2,400,000 City Engineer's Estimate

Funding Source: 2011-2012 CIP, Tonawanda Ravines, STE082, Page STE-17, Being: \$1,441,310 Storm Water Utility Funds, \$700,000 in I-JOBS II Targeted Disaster Relief Grant funds (\$700,000 maximum), \$157,800 from STR217, Special City-wide Street Improvements, Page Street-40 for Tonawanda Drive resurfacing and \$100,890 from Des Moines Water Works (DMWW).

ADDITIONAL INFORMATION:

The Salisbury Oaks watershed is an 180-acre urban watershed located in the western part of Des Moines south of Interstate I-235, and is generally bounded by Ingersoll Avenue to the north, Foster Drive to the west, 37th Street to the east and John Lynde Road to the south. The area was developed in the early 1900's before the City of Des Moines expanded and annexed the area. The watershed consists of a mix of single-family residential properties, multi-family units and non-residential properties (churches, businesses, schools, etc.).

On December 22, 2008, by Roll Call No. 08-2178, the City Council approved a professional services agreement with HDR Engineering for the study to address erosion issues in the ravines located in the street right-of-way of Tonawanda Drive.

A report for the Tonawanda Ravine Improvement Study was provided to the City in June 2009. Meetings were held with the Tonawanda Ravine committee from the neighborhood throughout the study process to identify their concerns and present the final report recommendations. The report identified projects recommending improvements to address down cutting of the streambed, stabilization of the stream bank

and to convey street runoff to the stream in a more controlled manner. On July 12, 2010, by Roll Call No. 10-1119, the City Council approved a professional service agreement with HDR to provide the design services for all improvements identified in the June 2009 study, as well as storm sewer and stream bank repair downstream near 39th Street and Welker Avenue.

In 2010, the Iowa Legislature and Governor of Iowa appropriated \$30,900,000 for grants to certain disaster relief and mitigation renovation and construction projects. The City was awarded \$8,500,000 under this targeted, non-competitive I-JOBS fund for the Court Avenue/Water Street Storm Water Pump Station, Riverpoint Sewer Separation Project, Tonawanda Ravine Improvements, Fire Department Training and Logistics Facility, and WRA Equalization Basin Utilization. On December 6, 2010, by Roll Call No. 10-1979, the City Council approved execution of four Iowa Jobs Program Grant Award Agreements with the Iowa Jobs Board and The Iowa Finance Authority, of which \$700,000 was approved for the Tonawanda Ravine Improvements project.

The Engineering Department has prepared plans, specifications, form of contract documents and City Engineer's estimate for the construction of the Tonawanda Drive Ravine Improvements, 08-2011-002. The improvement includes the stabilization of stream banks, construction of storm sewer, intakes, manholes, water mains, curb and gutter, scarification and HMA overlay, seeding, sodding, and other incidental items; in accordance with the contract documents, including Plan File Nos. 531-028/104, located on Tonawanda Drive between 42nd Street and Grand Avenue, Des Moines, Iowa.

The estimated construction cost is \$2,400,000. The proposed plans, specifications and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

PREVIOUS COUNCIL ACTION(S):

Date: December 6, 2010

Roll Call Number: [10-1979](#)

Action: [Approving](#) execution of four Iowa Jobs Program Grant Award Agreements with the Iowa Jobs Board and the Iowa Finance Authority. ([Council Communication No. 10-726](#)) Moved by Mahaffey to adopt. Motion Carried 7-0.

Date: July 12, 2010

Roll Call Number: [10-1119](#)

Action: [Approving](#) Professional Services Agreement with HDR Engineering, Inc. for design services for the Tonawanda Ravine Improvements, not to exceed \$204,287. ([Council Communication No. 10-441](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: July 27, 2009

Roll Call Number: [09-1395](#)

Action: [Authorization](#) to submit a grant application to I-Jobs for flood related improvements, repair and mitigation and other public improvements and approval of City of Des Moines matching fund

commitment requirements. ([Council Communication No. 09-518](#)) Moved by Meyer to approve. Motion Carried 7-0.

Date: December 22, 2008

Roll Call Number: [08-2178](#)

Action: [Approving](#) Professional Services Agreement with HDR Engineering, Inc. for Tonawanda Ravines Improvement Study, not to exceed \$36,500. ([Council Communication No. 08-749](#)) Moved by Vlassis to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder and approve contract and bond; also, partial payments to the contractor and final acceptance of work.

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