



CITY of NOVI CITY COUNCIL

Agenda Item D
May 8, 2017

SUBJECT: Approval to award an amendment to the engineering services agreement with AECOM (URS Corporation – Great Lakes) for construction engineering services for the Christina Lane Culverts Replacement project in the amount of \$17,164.90.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division GDM

CITY MANAGER APPROVAL: 

| | |
|-----------------------------|---|
| EXPENDITURE REQUIRED | \$ 17,164.90 |
| AMOUNT BUDGETED | \$ 206,383.00 |
| LINE ITEM NUMBER | 210-211.00-865.136 (Drainage Fund) |

BACKGROUND INFORMATION:

There is an existing storm culvert underneath Christina Lane that bridges the different Cedar Springs phased developments between 10 Mile and 11 Mile Road. The culvert handles the storm water runoff for Cedar Spring and Jamestown neighborhoods. The existing culverts have been deteriorating over the years and the proposed Christina Lane Culvert Replacement Project consists of replacing four (4) existing 49"x 33" culverts. The culverts will be replaced with four (4) Corrugated Metal Pipes and two (2) Corrugated Multiple-Inlet End Sections.

The construction phase engineering fees are determined using two components: 1) the contract administration fee, which is determined using the fee percentage in Exhibit B of the Agreement for Professional Engineering Services for Public Projects, and 2) the construction inspection fee determined using a cost per inspection (crew) day from Exhibit B of the consultant's agreement that is then multiplied by the number of days of inspection specified by the contractor. The construction phase engineering fees for this project includes a contract administration fee of \$10,764.90 (7.50% of the \$143,532.00 construction bid) and an inspection fee of \$6,400 (\$640 per crew day, multiplied by the 10 days provided in the contractor's bid) for a total fee of \$17,164.90.

The construction contract award was proposed and approved by City Council at their meeting on the April 24, 2017. It is anticipated that this project will be substantially complete this summer with final completion scheduled for late summer of 2017.

RECOMMENDED ACTION: Approval to award an amendment to the engineering services agreement with AECOM (URS Corporation – Great Lakes) for construction engineering services for the Christina Lane Culverts Replacement project in the amount of \$17,164.90.

CHRISTINA LANE CULVERT REPLACEMENT

Location Map



Map Author: Croy
Date: 10/31/14
Project: Christina Culvert Replacement
Version #: v3.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



1 inch = 140 feet



City of Novi

Engineering Division
Department of Public Services
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org

**FIRST AMENDMENT TO THE
SUPPLEMENTAL PROFESSIONAL ENGINEERING SERVICES AGREEMENT**

CHRISTINA LANE CULVERT REPLACEMENT

First Amended Agreement between the City of Novi, 45175 W. Ten Mile Road, Novi, MI 48375-3024, hereafter, "City," and URS Corporation – Great Lakes., whose address is 27777 Franklin Road, Suite 2000, Southfield, MI 48034, hereafter, "Consultant." relating to modifications of the fee basis for engineering services. The following sections of the Supplemental Professional Engineering Services Agreement, as made and entered into on December 17, 2014 shall be amended as follows:

Section 2. Payment for Professional Engineering Services, The following Paragraphs shall be amended as follows:

1. Basic Fee.

a. *Unchanged*

b. *Unchanged*

c. Delete 1.c. in its entirety and replace with the following language:
Construction Phase Services: The Consultant shall complete the construction phase services as described herein according to the fee schedule as described below:

i. Contract Administration: The Consultant shall complete Contract Administration services for a lump sum fee of \$17,164.90, which is 7.50% of the awarded construction cost (\$143,532.00) as indicated on the Design and Construction Engineering Fee Curve.

ii. Construction Inspection: The Consultant shall complete Construction Inspection services for \$640 per crew day as described in the request for proposals. "Crew days" shall be defined by the construction contract documents as an 8 hour day. Crew days shall be billed in 4 hour increments rounded to the next half day, therefore a 10 hour day shall be 1.5 crew days, a 3 hour day is 0.5 crew days, a 6 hour day shall be 1.0 crew days. The minimum crew day charged for a no-show by the contractor shall be 2 hours (0.25 crew days) which is reflective of the actual cost to the Consultant for traveling to the site and traveling back to the office. There will be no payment to the consultant for extra crew days that were not charged to the contractor. The Consultant acknowledges that intent of using crew days for inspection services is to provide a method for the consultant to recoup costs associated with slow progress by the contractor.

2. *Unchanged*

Except as specifically set forth in this First Amendment, the Supplemental Professional Engineering Services Agreement remains in full force and effect.

WITNESSES

URS Corporation—Great Lakes

By:
Its:

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of _____.

Notary Public
_____ County, Michigan
My Commission Expires: _____

WITNESSES

CITY OF NOVI

By: Robert J. Gatt
Its: Mayor

The foregoing _____ was acknowledged before me this ____ day of _____,
20____, by _____ on behalf of the City of Novi.

Notary Public
Oakland County, Michigan
My Commission Expires: _____