

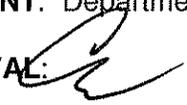
cityofnovi.org

# CITY of NOVI CITY COUNCIL

Agenda Item **E**  
April 27, 2009

**SUBJECT:** Approval of an engineering contract amendment to URS Michigan, Inc. to provide additional construction engineering services for the Beck Road and Ten Mile Road Intersection Reconstruction project in the amount of \$16,180.

**SUBMITTING DEPARTMENT:** Department of Public Services/Engineering Division *BTC*

**CITY MANAGER APPROVAL:** 

|                               |   |
|-------------------------------|---|
| <b>EXPENDITURE REQUIRED</b>   | <b>\$16,180</b>   |
| <b>AMOUNT BUDGETED</b>        | <b>\$34,500</b>   |
| <b>APPROPRIATION REQUIRED</b> | <b>\$35,180 (see 4<sup>th</sup> quarter budget amendment)</b> |
| <b>LINE ITEM NUMBER</b>       | <b>202-202.00-805.235</b>                                     |

**BACKGROUND INFORMATION:**

The reconstruction of the Ten Mile Road and Beck Road intersection was originally budgeted as a city funded project with an estimated construction value of \$276,000. The City received a federal grant to cover a portion of the construction costs for the project. As such, the project was administered by the Michigan Department of Transportation (MDOT). The actual construction bid for the project was \$524,925.32, which included additional scope such as sidewalks on all four corners of the intersection, some additional repaving of the intersection and added costs associated with meeting federal wage requirements and construction methods since a federal grant was used toward construction costs.

The construction engineering fee was determined by applying the percentage of 6.5% (as provided in URS' proposal) to the estimated construction costs of \$276,000 for an estimated fee of \$17,940. Applying the percentage to the actual construction cost would provide the consultant with a fee of \$34,120, for a difference of \$16,180. The total paid to date is \$56,082, with the grand total recommended in the amount of \$69,680.

The final punchlist for the project has been developed and final restoration is underway.

**RECOMMENDED ACTION:** Approval of an engineering contract amendment to URS Michigan, Inc. to provide additional construction engineering services for the Beck Road and Ten Mile Road Intersection Reconstruction project in the amount of \$16,180.

|                                | <b>1</b> | <b>2</b> | <b>Y</b> | <b>N</b> |
|--------------------------------|----------|----------|----------|----------|
| <b>Mayor Landry</b>            |          |          |          |          |
| <b>Mayor Pro Tem Gatt</b>      |          |          |          |          |
| <b>Council Member Burke</b>    |          |          |          |          |
| <b>Council Member Crawford</b> |          |          |          |          |

|                                | <b>1</b> | <b>2</b> | <b>Y</b> | <b>N</b> |
|--------------------------------|----------|----------|----------|----------|
| <b>Council Member Margolis</b> |          |          |          |          |
| <b>Council Member Mutch</b>    |          |          |          |          |
| <b>Council Member Staudt</b>   |          |          |          |          |



December 5, 2008

Mr. Brian T. Coburn, PE  
City of Novi  
45175 W. Ten Mile Road  
Novi, MI 48375-3024

**Reference: Proposal for Additional Engineering Services for  
Beck Road/Ten Mile Road Intersection Improvement Project**

Dear Brian:

As previously discussed and outlined in our July 10, 2007 letter, we are submitting this letter proposal for additional construction engineering services on the **Beck/Ten Mile Road Intersection Improvement Project**. These services include the following:

- **Adjustment for Final Design Construction Cost.** At the time that the proposal was submitted, the estimated construction cost for the Beck/Ten Mile Road Intersection was \$276,000. Per the proposal submitted by URS, the estimated fee (based on a percentage of construction of 6.5%) was \$17,940. However, the actual construction bid for the project was \$524,925.32. This increase in construction cost was largely due to additional improvements included with the intersection project. Given this increased construction cost, the additional Construction Engineering Fee based on 6.5% of the construction cost is **\$16,180**.
- **Additional Construction Engineering Services for administering project through the MDOT Local Agency Program.** Because the project was able to qualify for federal funding, it had to follow MDOT Local Agency and Federal Highway Administration Program Requirements. This includes the following:
  - FieldManager and tracking of all construction materials.
  - Certified payroll verification by the office tech and wage rate interviews by Field Personnel.
  - Material testing requirements are greater. This includes concrete testing / cylinders, HMA testing, density and lab work.
  - MDOT certified personnel required for all material testing.
  - Testing of anchor bolts for strain poles.
  - File audit by MDOT at the end of project.
  - NPDES - Soil erosion and storm water inspections and record keeping have additional paperwork.

The fee for this additional construction engineering work is **\$12,000**.

URS Corporation  
3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
Tel: 616.574.8500  
Fax: 616.574.8542



This results in a revised maximum fee for the construction engineering phase of **\$46,120**, and a total revised maximum fee of **\$69,680**.

If you have any questions or comments, please feel free to call.

Sincerely,

**URS Corporation**

A handwritten signature in black ink that reads "Theresa S. Petko".

Theresa S. Petko, AICP  
Vice President

A handwritten signature in black ink that reads "Sean N. Kelsch".

Sean N. Kelsch, PE  
Project Manager

SNK/snk