



CITY COUNCIL ACTION REPORT

November 5, 2012

TO: The Honorable Mayor and City Council

FROM: Michael W. Culpepper, Acting City Manager
Mark Miller, Director of Economic & Community Development
Steven J. Vandette, City Engineer

SUBJECT: Agenda Item – Contract Amendment for Testing Services for the Troy Multi-Modal Transit Facility

Recommendation:

Staff recommends approval of Contract Amendment No. 1 in the amount of \$64,841.28 for Construction Testing Services in support of the Troy Multi-Modal Transit Facility. Approval of this Amendment increases the Architectural/Engineering contract with Hubbell, Roth and Clark, Inc. (HRC) to \$713,490.04, but still keeps the project within the \$6,272,500 project cost limit previously set by City Council.

Background:

On January 17, 2012 City Council approved Resolution No. 2012-01-008 that awarded a contract for Architectural/Engineering (A/E) services in the amount of \$648,648.76 to HRC for the Troy Multi-Modal Transit Facility. Pursuant to the A/E contract, final design and bid documents were completed in August and bids were received in September. City Council approved the guaranteed maximum price for construction, based on bids received on the final design documents by our Construction Manager at Risk (CMR), at the regular meeting of October 22, 2012.

The A/E contract as awarded included a preliminary budget of \$8,000 for testing services as a place holder, knowing that the scope of the testing work would be defined and quantified by the final design. HRC has submitted a testing proposal, which is now based on the Transit Center's final design. Since sufficient money was reserved in the project budget on the owner's (City's) side for testing services, the amended contract amount with the A/E does not exceed the total not to exceed project cost of \$6,272,500 set by City Council on January 17, 2012.

Financial Considerations:

The cost of testing services is part of the total project cost of \$6,272,500 and continues to be fully funded, 100% with federal ARRA funds. No city funding is needed for the construction of the Transit Center.



HUBBELL, ROTH & CLARK, INC

Consulting Engineers

Principals

George E. Hubbell
Thomas E. Biehl
Walter H. Alix
Peter T. Roth
Michael D. Waring
Keith D. McCormack
Nancy M.D. Faught
Daniel W. Mitchell

Senior Associates

Gary J. Tressel
Kenneth A. Melchior
Randal L. Ford
David P. Wilcox
Timothy H. Sullivan

Associates

Jonathan E. Booth
Michael C. MacDonald
Marvin A. Olane
William R. Davis
Jesse B. VanDeCreek
Robert F. DeFrain
Marshall J. Grazicli
Thomas D. LaCross
Dennis J. Benoit
James F. Burton
Jane M. Graham
Donna M. Martin
Charles E. Hart

November 2, 2012

City of Troy
500 West Big Beaver
Troy, Michigan 48084

Attention: Mr. Steven Vandette, P.E., City Engineer

Re: Troy Multi-Modal Transit Facility
Proposal for Special Inspection Services

HRC Job No. 20110519

Dear Mr. Vandette:

Hubbell, Roth & Clark, Inc. is pleased to provide a special inspection services proposal for the Troy Multi-Modal Transit Facility. This proposal is based on the requirements outlined in the Contract Documents (as required by Michigan Building Code), as well as our discussions with the Tooles/Clark (Construction Manager at Risk) and the City regarding the project scope.

The scope of work for the special inspection services shall consist of the following items:

- Structural Steel Shop Fabrication, including non-destructive weld testing
- Structural Steel Site Fabrication and Erection, including non-destructive weld testing
- Masonry for Load Bearing Walls, including masonry prism testing
- Precast Concrete Wall Panel Shop Fabrication, including concrete testing
- Precast Concrete Wall Panel Erection, including non-destructive weld testing if required
- Soil Bearing Capacity Verification for Foundations
- Soil Compaction Testing of Structural Engineered Fill
- Cast-in-Place Concrete for Foundations, including re-steel inspection
- Laboratory Testing of Aggregate, Soil, and Concrete Materials
- Distribution of reports as required

HRC proposes to use Soil and Materials Engineers, Inc. as a subconsultant to perform the structural steel special inspections and non-destructive weld testing, as well as special inspection of structural masonry and pre-cast concrete wall panel erection. Based on the scope of work details identified above, the attached Staff Hour Projections and Estimated Design Fee spreadsheets have been prepared. The work has been broken into various tasks to be completed by HRC and our subconsultant. In accordance with our estimate of HRC and our subconsultant staff hours to complete these tasks, the total estimated cost for undertaking the special inspection services work as described above is \$64,841.28, which includes \$38,491.28 for work performed by HRC and \$26,350.00 for work performed by our subconsultant. The fee was determined in accordance with our current Engineering Services Contract.

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555 Hulet Drive, PO Box 824
Bloomfield Hills, Michigan 48303-0824
Telephone 248 454 6300 Fax 248 454 6312
www.hrc-engr.com

Engineering. Environment. Excellence.



If this proposal is deemed acceptable to the City, please sign and return one copy to this office and retain one for your files. Thank you for the opportunity to serve the City on this project.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

A handwritten signature in cursive script that reads "Walter H. Alix".

Walter H. Alix, P.E., P.S.
Vice President/Principal

JJS/jjs
pc: HRC: M. MacDonald, F. Schreiber, J. Surhigh, File

Accepted:

CITY OF TROY

Signature: _____

Printed Name: _____

Title: _____

Dated: _____