

**Recommendation to Award Contract for Preliminary & Final Design and Right-of-Way Services for the Highway 2 Widening Project, Project No. PW-02-2014**

Contractor: HDR, Inc.

Contract Amount: \$1,802,967.00

Project Description:

The Project consists of the preliminary and final design services for roadway and drainage improvements on Highway 2 between 72<sup>nd</sup> Avenue and the bridge over the BNSF railroad approximately 660 feet southeast of the northbound I-76 ramps. The entire project length is approximately 7.35 miles.

Several of the intersections of Highway 2 with major cross streets have already been reconstructed and widened by the City; therefore this project will widen the remainder of Highway 2 between 72<sup>nd</sup> Avenue and I-76 to provide two through lanes in each direction and dedicated turn lanes or two-way center turn lanes as needed. A painted or raised median may be provided in certain locations. It is anticipated that different cross sections will be needed for different sections of the roadway based on the adjacent uses and the availability of right-of-way. These different sections are:

- Derby (72<sup>nd</sup> Avenue to Magnolia Street)
- Oneida (Magnolia Street to Quebec Street)
- Refuge (Quebec Street to Quebec Parkway and Quebec Parkway to 96<sup>th</sup> Avenue)
- Eagle Creek (96<sup>th</sup> Avenue to First Creek crossing under Highway 2)
- Turnberry (First Creek to BNSF railroad bridge)

The sections have unique characteristics in terms of their adjacent land uses and the ultimate design needs to be considerate of this and reflect the needs and impacts on the adjacent land. Multi-modal facilities will be provided where feasible and in context with the surrounding uses.

It is anticipated that additional right-of-way will be acquired, including the likelihood of Burlington Northern-Santa Fe (BNSF) railroad land.

The existing asphalt surface will be utilized to the extent possible as it is assumed that the roadway will be paved in asphalt. Improved drainage will be provided throughout the corridor including provisions to convey storm water from the Rocky Mountain Arsenal Wildlife Refuge under Highway 2.

It is anticipated that the majority of medians will be painted due to right-of-way limitations. Any raised medians will be primarily “hardscaped” but irrigated and landscaped “nodes” in the median may be considered at key locations. A separate RFP for landscaping & streetscaping in the Derby area of the project, as well as along E. 72<sup>nd</sup> Avenue, is being considered by staff.

The anticipated construction delivery method is Design-Bid-Build.

### Project Goals and Priorities

The Project is intended to produce the following improvements:

- Increased vehicle capacity & improved level of service
- Improved safety
- Reduced flooding and improved water quality
- Environmental & contextual sensitivity
- Multi-modal, *i.e.*, accommodate pedestrians, bicyclists and vehicles

### Bidding & Selection Process:

- A Request for Proposals (RFP) was posted on the City's website and on the Rocky Mountain E-Purchasing System on August 29, 2014.
- Ten (10) proposals were received.
- Four City staff members and one member from the Program Management Team reviewed the proposals and scored them using a quantitative scoring worksheet.
- The three top-scoring firms were interviewed by the review team.
- After discussion, the review team selected HDR, Inc. as the team that would best deliver this project for the City.

Proposals were scored on several criteria including cost. All but one of the proposals costs were within industry standards. While not the lowest, staff felt that HDR adequately addressed all of the critical issues and included fees to cover these items including coordination with the BNSF for right-of-way, a boundary survey to allow conveyance of the roadway to the City, and an iterative design process. As this is a time-and-materials contract, not a lump sum fee, staff will manage the contract to ensure that efforts are reasonable and focused on delivering the project at or below the contract amount.

Firm	Total
Michael Baker	\$1,944,111.00
URS	\$1,927,879.00
Wilson	\$1,815,786.00
BLN	\$1,812,404.00
PB	\$1,769,338.00
<b>HDR</b>	<b>\$1,702,967.00</b>
EST	\$1,675,641.00
Calibre	\$1,600,331.00
Bowman	\$1,536,947.00
Atkins	\$1,047,482.00

### Schedule:

A fifteen-month schedule is proposed which would have the design completed in January/February of 2016. The project would then be advertised for bids for construction work to begin in March/April of 2016 and be completed by the end of 2017.

Financial Impact:

The overall project budget is \$20,100,000 and includes adequate funding to fund this contract. This is a time-and-materials contract with a not to exceed contract maximum.

Design Services:	\$1,702,967
Force Account:	\$100,000
Total	\$1,802,967

Staff Recommendation:

Staff recommends accepting all proposals and awarding a contract to HDR, Inc. in the amount of \$1,802,967.00 for this work.