

Recommendation to Award Contract for Construction Management and Inspection Services for the Tower Road Widening Project, Project No. PW-03-2014

Contractor: HDR, Inc.

Contract Amount: \$1,126,040.00

Project Description

This project will widen Tower Road from two lanes to four lanes with acceleration and deceleration lanes as needed at the intersections and left turn lanes as needed. Curb and gutter will be installed on the outer edge of the lanes as well as on the median. Multi-modal facilities will be provided through on-street bike lanes, a detached six-foot wide concrete sidewalk and a 10-foot wide bike path. A raised, irrigated and landscaped median will be constructed.

The existing overhead electrical transmission line, on the west side of the existing road, will be relocated and buried underground. All other existing utilities will be relocated, as needed. New traffic signals will be installed at 96th Avenue, 88th Avenue and 81st Avenue. New LED street lights will be installed along the length of the project. New crossings for Second Creek and Gramma Gulch drainage ways will also be constructed.

Project Goals

This project is intended to fulfill the following goals:

- Increased capacity
- Improved safety
- Improved level of service
- Water quality and conveyance improvements

Bidding & Selection Process

- A Request for Proposals (RFP) was posted on the City's website and on the Rocky Mountain E-Purchasing System on October 27, 2015.
- Nine (9) proposals were received.
- Two City staff members and two consultant staff member reviewed the proposals and scored them using a quantitative scoring worksheet.
- The four top-scoring firms were interviewed by the review team. Interviews were held on Tuesday, November 24, 2015.
- Following the interviews, the Selection Committee discussed the merits of each team and came to consensus that HDR would best deliver this project for the City.

The Selection Committee consisted of:

- Maria D'Andrea, Director of Public Works
- Larry Halweg, City Engineer
- Scott Reed, Core Civil Project Manager
- Bob Schenk, CH2MHill Project Manager (Proposal Evaluation only)

Construction Management and Inspection Services

This contract would provide construction management and inspection services for the Tower Road Widening project. The size and complexity of this project requires hiring an external construction management and inspection team to oversee the construction and to ensure adherence to the plans and specifications. Also included in this contract is support to the design team with construction phasing, constructability review and cost analysis prior to bidding the project as well

as analysis of the bids once received with the goal of verifying that the low bid is a responsive bid by a responsible, qualified, bidder.

The Project Engineer for HDR will be Jake Koenig, PE, who has significant experience with CDOT as a resident engineer and was in charge of numerous CDOT projects in the north metro Denver area. During his tenure at CDOT, Jake gained considerable experience in the design and construction of highway projects, including widening projects very similar to this one, and complex projects in the I-25 corridor. Most recently, Jake served as the assistant project engineer on the I-70 Veterans Memorial Tunnel projects, each of which was completed on-schedule and within budget.

Two primary inspectors will be utilized who both have extensive field experience. Brian Foredyce will serve as the Utility Inspector/Coordinator. Brian is an experienced inspector with a strong understanding of water and wastewater operations, and also is experienced in surveying and supervising numerous field crews. He assisted with Aurora's Prairie Waters Project and was the lead inspector on the South Platte Interceptor and a South Adams County Lift Station and force main project. Tim Hurley will serve as the primary Civil Inspector. He has a significant background in construction inspection and materials testing and is recognized for working well with contractors. His recent project was as an inspector and technician on CDOT's I-70 Tower to Colfax project.

HDR will also provide a former CDOT Region 1 signal supervisor, Bruce Hill, who is a master electrician and will assist in the inspection of the traffic signal work.

Schedule:

A twenty-month schedule for construction is currently anticipated which would bid the project in February 2016, initiate construction in March 2016 and be completed in October/November of 2017.

Financial Impact:

The overall project budget is \$51,171,000 and includes adequate funding to fund this contract. This is a time-and-materials contract with a not to exceed contract maximum.

Construction Management and Inspection Services:	\$1,026,040
Contingency:	<u>\$100,000</u>
Total	\$1,126,040

Staff Recommendation:

Staff recommends accepting all proposals and awarding a contract to HDR, Inc. in the amount of \$1,126,040.00 for this work.