



COLORADO
Department of Transportation
Office of the Chief Engineer

TO: SHOSHANA M. LEW, EXECUTIVE DIRECTOR
FROM: MARKOS ATAMO, PE, CES BRANCH MANAGER
CC: STEPHEN HARELSON, PE, CHIEF ENGINEER *SH*
STEPHEN BOKROS, PE, CES UNIT MANAGER *SB*
DATE: 04/29/2021
SUBJECT: AWARD TO LOW RESPONSIVE BIDDER C.R.S. 43-1-113 (16)
PROJECT: C 5502-106 (22810) REGION 5 US 550 9TH & 12TH STREET SAFETY IMPROVEMENTS

Pursuant to C.R.S. 43-1-113(16), it has been determined that it is in the best financial and economic interest of the State to award Region 5's project C 5502-106 (22810) to the low bidder Morton Electric, Inc.

Project Description: This Region 5 project is located in the La Plata County for completing roadway safety improvements in Durango on US 550 consisting of signal replacements, ADA ramps, concrete pavement, HMA widening, and median construction. The project was solicited under a design bid build (low bid) project delivery method where only one bid was received with Morton Electric, Inc. (Morton) being the lowest responsive bidder.

Financial Impact: Morton's low bid proposal totaled \$3,289,092.32 compared to the CDOT engineer's estimate of \$2,900,000.00. The project risks rejection by Statute since there was only one bidder and their proposal was 113.42% of the engineer's estimate. Region 5 has verified they have funding available for the award of the project to Morton.

Cost Analysis: An analysis of the bid schedule revealed that the bid line items identified below resulted in the overall bid from Morton being more than 10% over CDOT's engineer's estimate for the project.

Bid Item Description	QTY	Unit	Unit Price Eng. Est. & Low Bid		Total Cost Difference	% Over Eng. Estimate
MOBILIZATION	1	LS	\$297,942.00	\$610,000.00	\$312,058.00	10.76%
PCCP 10" (FAST TRACK)	1,561	SY	\$135.00	\$265.10	\$203,086.00	7.0%

The engineer's estimate for the above bid items was based on historical data from similar projects with comparable quantities. In verifying Morton's bid offer, they mentioned that their main office is in Pueblo in Region 2 being far from the project job site contributed to their overall higher mobilization bid pricing. The PCCP 10" (FAST TRACK) material consisting of a small quantity along with a more complex installation effort resulted in higher than normal costs for this bid item.

The project will improve needed roadway safety in this area. It is imperative that this project be awarded as soon as possible. Re-advertisement would risk delaying these important safety improvements.

Based on the cost analysis, CES and Region 5 consider Morton's overall proposed bid pricing to be fair and reasonable.

Staff Review & Recommendation: Given the overall project dynamics mentioned above, re-advertisement of the project is unlikely to result in more competition or reduced pricing. The Region 5 Project Management Team's analysis

and recommendation to award the project is provided in the attached memorandum to this request. As a result, staff recommends proceeding with the award of the project to Morton Electric, Inc.

I authorize award 
Markos Atamo (May 4, 2021 09:33 MDT) Date 05/04/21

Markos Atamo, PE, CES Branch Manager

I authorize award of the referenced project

I do not authorize award of the referenced project

 Date 05/07/21
Shoshana M. Lew, Executive Director

cc: Stephen Bokros, Cost Estimating Services
Markos Atamo, Construction Engineering Services
Jerad Esquibel, Project Support Services
RB Simmons, Construction Contract Services
Records Center



COLORADO

Department of Transportation

Region 5
R5 Traffic & Safety
3803 N. Main Avenue, Suite 100
Durango, CO 81301-4034

MEMORANDUM

TO: RB Simmons, Construction Contracts Manager
FROM: Jennifer Allison, Region 5 Traffic & Safety Resident Engineer (Acting Program Engineer)
DATE: April 29, 2021
SUBJECT: 22810 Project Award to Low Responsive Bidder, C.R.S. 43-1-113 (16)

This memorandum provides the Region 5 project teams request to award project C 5502-106 (22810) along with the rationale on why it is in the best interest of the State to award the project. The elements for the project include upgrade of signal assets, infrastructure for fiber, safety improvements, improved/added pedestrian and bike access, and ADA improvements at two intersections. The project is located in La Plata County in the City of Durango.

The project consists of:

- 0.5 mile of raised center median and conduit for fiber
- Replacement of signal asset in sever condition (9th & 550)
- Upgrade to the span wire HAWK, installation of poles and mast arms
- Pedestrian and ADA improvements at 9th & Hwy 550 and 12th & Hwy 550
- 96 working days
-

This project is a combination safety, asset upgrade, communication and pedestrian and bike connectivity. In addition, this project is addressing access control plan improvements, therefore is not only a top priority for CDOT but the City of Durango.

The 9th & HWY 550 signal rated as severe condition for structural components and communication components will be upgraded with this project. The intersection of 9th & 550 and 12th & 550 provide improved pedestrian access and flow between downtown Durango and the river trail; both locations are two of the most used bike and pedestrian intersections in Durango. This project will improve pedestrian and bike safety at 9th & 550 by upgrading/adding ADA ramps and providing bike boxes. It will upgrade the span wire HAWK at 12th with pole and mast arms. The installation of medians is a safety improvement that will help with traffic calming, access control and accidents along this corridor. It will continue the work CDOT already started with previous median installation on HWY 550 in an earlier project.

This project is challenging mostly due to the coordination that occurred during the design phase of this project and the coordination required during construction. Each component is both a CDOT and City of Durango priority. The improvements follow an existing access control plan with the install of medians and upgrade of pedestrian connectivity. It required multiple landowner conversations and public outreach in preparation for the project. In addition, this location is known for tailings under the highway therefore during construction there was added cost for proper environmental testing and trucking for possible hazardous materials. The intersection of 9th & HWY 550 will require the contractor to coordinate with utilities to underground power and install conduit in shared trenches.

The RTD has been informed of the bid results and concurs with moving forward to award the project.

Please feel free to contact me at (970) 880-0549 if you have any questions or would like to discuss this request.

Jennifer Allison, PE
Region 5 Traffic and Safety Resident Engineer.





4/15/2021

George Demos

Colorado Department of Transportation

George,

Per our conversation, below is our response and justification of pricing:

- 412-01020 PCCP 10" (FAST TRACK) – pricing for this line item was determined by quantity, complexity, and supplier/material cost.
- 626-00000 MOBILIZATION – Pricing for this line item reflects our office location in relation to the job location as well our subcontractors. Also, this work is to be performed in a tourist location and peak seasons. This will play big factor in the production and cost of crew per diem and hotel rates.

Should you have any additional questions or concerns, please feel free to contact me.

Best Regards,

Joe Morton Jr

719-252-9343

Project Manager / Estimator