



**COLORADO**  
Department of Transportation  
Division of Engineering Support

Contracts & Market Analysis Branch  
4201 East Arkansas Avenue  
Denver, Colorado 80222

TO: MICHAEL P. LEWIS, EXECUTIVE DIRECTOR STR 0091-043  
FROM: MARKOS ATAMO PE, CMA BRANCH MANAGER SH 9 RESURFACING, CURB RAMP & CAMERAS  
CC: JOSHUA LAIPPLY, PE, CHIEF ENGINEER 20759  
DATE: 1/31/2018 REGION 3  
SUBJECT: AWARD TO LOW RESPONSIBLE BIDDER C.R.S. 43-1-113 (16)

Pursuant to C.R.S. 43-1-113(16) as amended, it has been determined that it's in the best financial and economic interest of the State to award Region 3's project STR 0091-043 (20759), to the low responsible bidder, A&S Construction Co. ("A&S").

**Project Description:** This R3 project is located on SH 9 from Mile Post 96.1 to 97.2, and consists of resurfacing, ramp upgrades and signal cameras in Summit County.

**Financial Impact:** A&S's proposal totaled \$3,317,399.50 and the CDOT engineer's estimate is \$2,363,538.90. The project would normally be rejected by statute since there were only two bidders and their proposals are 140% and 153% of the engineer's estimate. The region will request additional funds for the project from the Transportation Commission.

**Cost Analysis:** An analysis of the bid schedule shows the two line items were significantly higher than the project estimate. First, the Hot Mix Asphalt ("HMA") (Grading SX) (75) CDOT used price from cost-based analysis with a quantity of 7,331 tons. A&S reports they plan to alternate using a milling crew and paving crew every other day to meet project time requirements for surface coverage, resulting in higher costs. CDOT has generated a new cost-based estimate with the alternate crew approach for an estimate of \$109/ton, comparable to A&S's proposal of \$112/ton. The second item that was significantly higher than the CDOT estimate is HMA (Patching) (Asphalt). CDOT used historical averages for this item in the area with similar quantities. A&S proposed a higher cost based on the small amount of work under limited time constraints. Generally, A&S had difficulty obtaining subcontractor quotes for this project. Considering these justifications, A&S' proposed price for these items are reasonable.

After further consideration, EEMA and Region 3 consider these items acceptably priced as proposed by A&S.

**Other Considerations:** This project's paving/milling demands phasing due to night work and existing pavement being shallow depth so adding additional time to the project would not likely result in cost savings. Due to the paving constraints at this elevation (e.g. plants don't open until the end of May), re-advertising so we can extend the project start/end dates will have little impact on the project costs. There's a very small quantity of HMA in the project. As shown by EEMA HMA analysis, the urban nature of the work is creating the higher unit prices. Separating the ADA and paving work into two projects will add significant costs to the department for design phase, re-ad with contracts advertisement unit, and additional construction management. The cost to separate and manage two projects versus bid savings is viewed as minimal.

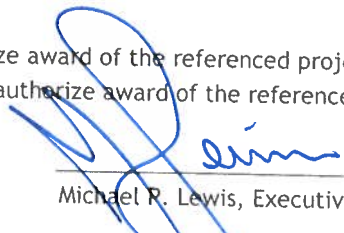
Based on all the above, it is recommended that the project's award be authorized.

- I recommend award
- I do not recommend award

  
\_\_\_\_\_  
Markos Atamb, PE, CMA Branch Manager

Date 11/31/18

- I authorize award of the referenced project
- I do not authorize award of the referenced project

  
\_\_\_\_\_  
Michael R. Lewis, Executive Director

Date 11/31/18

cc: Jerad Esquibel, Director, Division of Project Support  
Marci Gray, Engineering Contracts  
Central Files