



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

**TO:** MICHAEL LEWIS, EXECUTIVE DIRECTOR  
**FROM:** MARKOS ATAMO PE, CMA BRANCH MANAGER  
**CC:** JOSHUA LAIPPLY, PE, CHIEF ENGINEER  
**DATE:** 4/6/2018  
**SUBJECT:** AWARD TO LOW RESPONSIBLE BIDDER C.R.S. 43-1-113 (16)  
**PROJECT:** NHPP 1602-164 (21744) WOLF CREEK PASS SIGN STRUCTURES

Pursuant to C.R.S. 43-1-113(16), it has been determined that it's in the best financial and economic interest of the State to award Region 5's project NHPP 1602-164 (21744) to the low bidder Structures, Inc. ("Structures").

**Project Description:** This R5 project is located on US 160 at Wolf Creek pass and consists of sign structures, signs, striping and barrier construction in Mineral County.

**Financial Impact:** Structures' proposal totaled \$1,666,197.47 and the CDOT engineer's estimate is \$1,263,019.25. The project risks rejection by statute since there were only two bidders and their proposals are 131.9% and 162.2% of the engineer's estimate. Region 5 has the additional funds for the project award.

**Cost Analysis:** An analysis of the bid schedule shows the three line items were significantly higher than the project estimate. First, for a solar collection system CDOT used an average price for this type of work at \$15,000 for a quantity of two. Structures proposed \$52,000 and reports that only two subcontractor quotes were available and cited a high mobilization cost for the location of the work. The only other bidder quoted this item at \$74,000. Second, HMA (Patch)(Ashpalt) item was estimated with a cost based analysis considering recent projects at \$120 per ton for 855 tons. Structures quoted \$198 per ton and this was based on the sole subcontractor's quote. Second low bidder priced this item at \$198.01/ton. Third, Guardrail Type 7 (CA)(Special) was estimated using a cost based analysis factoring recent projects at \$250/LF with a quantity of 430. Structures proposed \$395.68/LF and factored their overhead and general expense costs into this line item rather than factoring those into mobilization. Structures mobilization quote is lower than the engineers estimate proving out this explanation. Considering these justifications, Structures' proposed price for these items are reasonable.

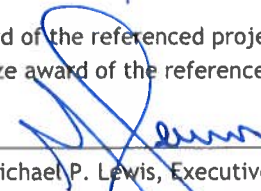
After further consideration, EEMA and Region 5 consider these items acceptably priced as proposed by Structures.

**Other Considerations:** Given this analysis, re-advertisement is unlikely to result in more competition or lower prices for this project. Based upon the justification of the proposal costs, it is recommended that the project's award be authorized.

- I recommend award
- I do not recommend award

  
 \_\_\_\_\_ Date 4/9/18  
 Markos Atamo, PE, CMA Branch Manager

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

  
 \_\_\_\_\_ Date 4/10/18  
 Michael P. Lewis, Executive Director