

## South Midland Bid Questions – Received via Email:

- 1) Q: Can the Redi-Rock legacy system for the attachment of the Geogrid be used in place of the PC system shown in the plans?

*A: The Redi-Rock Legacy system utilizes the Type 1-AT connection. The Type 1-AT connection and legacy block system is an acceptable substitution, but it cannot be directly swapped for the PC system as the grid lengths and coverages will be different. The MSE portions of the design will need to be re-evaluated for the Type 1-AT connections and appropriate grid lengths and sizes specified. The Contractor will be required to provide an engineered design for the substitute system, including design calculations and plans stamped by a Colorado P.E. This additional engineering design work will not be paid for by the City. Any increases in quantities resulting from a substitute wall system will not be paid for by the City.*

- 2) Q: Will the city accept a [HMA] mix without lime?

*A: Yes, if a liquid anti-stripping additive is provided in the mix.*

- 3) Q: Can the project [hot mix asphalt] be tested by gradation & density only?

*A: CDOT provides the required testing protocol, including types of tests and frequency of sampling/testing. This is provided in the CDOT Form 250 and the City will be required to oversee the testing and ensure the Owner Acceptance (OA) testing meets the Form 250.*

- 4) Q: On sheet 25 below Fuel Cost Adjustments # 1. It states “ Bidding total amount for project as specified in the scope of work” : LUMP SUM. Please clarify “Lump sum” as this project is bid units completed in place.

*A: This should refer to the total bid amount. This will be revised and included in a future addendum.*

- 5) Q: The table provided on sheet 190 for the RL fabric shows a length. Is this length from back of concrete wall or face of wall. The reason being wall height of 3', the RL is 2.5', Block width is 2.33'.

*A: The reinforcement length (RL) is measured from the back of the block. Please refer to the dimension callout in the Retaining Wall Typical Section Detail on this sheet and similarly on sheet 188.*

- 6) Q: It appears the tabulation table for Block facing on sheet # 159 does not include 600 sf for 3 mile Road. I believe bid quantity should be 13,576 sf.

*A: This observation is correct – the 3 Mile subtotal of 600 sf is missing in the tabulation, and the total quantity should be 13,576 sf. The quantity in the bid schedule will be corrected. A revised bid schedule will be included in a future addendum.*

- 7) Q: By using waterline stationing, it appears that the bid quantity could be short by 49 LF for 18” C905.

*A: Bid quantity is correct and is calculated as the difference in stationing minus fittings.*

- 8) Q: On sheet 151 after the 18" Wye, the waterline is reduced to 8". However, it shows a 18" BFV which I believe should be a 8" Gate Valve and reduce the bid quantity by one. Please confirm quantity of 18" BFV.  
*A: This should be an 8" Gate Valve per the plan view. The 18" BFV quantity should be 24, not 25. The quantity in the bid schedule will be corrected. A revised bid scheduled will be included in a future addendum.*
- 9) Q: It appears the 18" 22.5 degree bend quantity has been undercounted by 1 each. Please confirm quantity.  
*A: 18" 22.5 degree bend quantity is correct. There is an 8" 22.5 degree bend called out at station 64+90.86 that will be included in the "CONNECT TO EXISTING WATERLINE" cost. (Detail K on sheet 153).*
- 10) Q: Per Glenwood Springs water and sewer standards, the water and sewer trench backfill shall be backfilled full depth with Class 6 roadbase. Please confirm this standard.  
*A: Yes, the water and sewer trenches are to be backfilled with CDOT Aggregate Base Course (Class 6) – aka "Class 6 roadbase". This is shown in detail T on sheet 155.*
- 11) Q: Sheet 126 shows 67.88 LF of 15" HDPE Drainage. Under which bid item is this to be included as there is not a 15" Bid item.  
*A: This section of pipe should be labeled as 18". The 18" quantity is correct in the drainage tabulation, SAQ and bid schedule.*
- 12) Q: The spec for the 18" butterfly valves is for standard 150# valves, in the past Glenwood has wanted the 250B MJ valve in their system, do you want those, or the ones that are specified for the project.  
*A: It is unclear where the 150 psig butterfly valve was specified for the project, but the maximum working pressure appears to have been omitted in the Butterfly Valve specification. The maximum working pressure for the butterfly valves shall be 250 psig.*
- 13) Q: There is no spec for the MJ T-bolts in your spec book we have recently had to supply the Cor-Blue coated bolts for added corrosion protection, is that what you want, or the standard Cor-ten uncoated bolts?  
*A: The Cor-Blue bolts are to be provided for this project*
- 14) Q: Is there a minimum percentage requirement for self-perform when bidding as a prime?  
*A: Yes, the minimum is 30%. Please refer to section VI in the FHWA-1273 document.*
- 15) Q: Will there be a separate bid item added for projected additional lane rental costs? I am going to assume that if any lane rental overages are incidental to the work you are going to get inflated estimates. This could result in overrunning the engineers estimates and we will all be ready for a rebid scenario. I understand that weekends are available, but I disagree with bidding a project of this duration for those circumstances.

*A: The goal of the lane rental fee and associated force account is to reduce the risk for the contractor and presumably reduce the potential for the inflated costs. Additionally, the phasing scenarios presented for information in the plans were developed to demonstrate much of the work can be performed under a condition where 2 lanes of traffic can be accommodated.*

16) Q: Will there be epoxy coating or galvanized reinforcing steel requirements for the soil nail walls? Soil nails, end hardware, mesh or rebar?

*A: Soil nails and end hardware shall be epoxy coated. Mesh and rebar can be non-coated (black).*

17) Q: Please provide a list of pre-bid attendance with approved General Contractors highlighted.

*A: The pre-bid attendance list will be provided with this addendum.*

18) Q: Any other pre-qualifications required than being CDOT prequalified?

*A: There are various experience qualifications for different work elements that are described in the specifications. The general contractor will be required to have a City of Glenwood Springs Contractor's License.*

19) Q: Will bids be accepted or rejected with exceptions, value engineering, and/or material substitutions? We would prefer that ALL contractors bid the required design plans/specifications as outlined and that any VE options to be negotiated by City/Contractor after an award.

*A: All bids should be based on the bid plans, specifications, and addenda. Award will be made to the lowest responsive bidder. Contractors shall refer to the standard specifications section 102.07 for further information regarding irregular proposals and to section 104.07 for Value Engineering Change Proposals.*

20) Q: What bid item is used for "river cobble"?

*A: Item 213-00005 MULCHING (DECORATIVE). The size of the river cobble shall be 3"-6" and a weed barrier (included in the cost) is to be placed under the river cobble. Notes will be added to the plans for clarification.*

21) Q: Please provide specification or schedule for light standard.

*A: Light Standard shall be per standard specification section 613 Lighting and Standard Plan S-613-1 Roadway Lighting.*

22) Q: Can bid items be added for; lowering or relocate existing utilities, concrete slope & ditch paving, removal of concrete wingwall top, irrigation structure headgate, remove/reset/adjust/plug water pipe, valves, valve boxes.

*A: Bid item will not be added for adjusting or relocating existing utilities. The concrete slope and ditch paving around the perimeter of the Type C inlets is included in the cost of the inlet per note 2 on sheet 96. Item 202-00495 REMOVAL OF PORTIONS OF PRESENT STRUCTURE (1 L S) will be added for the removal of concrete wingwall top. Irrigation structure headgate shall be included in item 615-65000 PRECAST IRRIGATION STRUCTURE. For waterline items, see notes 15 and 21 on sheet 131 and SECTION 02555 of the project special provisions.*

23) Q: Irrigation structure has no quantity.

*A: The correct quantity should be 2 EACH as shown in the drainage tabulation on sheet 93. The quantity in the bid schedule will be corrected. A revised bid scheduled will be included in a future addendum.*

24) Q: Please identify/clarify utilities, pipes, conduits, culverts that require full depth Class 6 and/or flow fill backfill and whether it is required only under road sections or all.

*A: All utilities, pipes, and conduits will require full depth Class 6 or flowfill backfill at all locations. Storm drain pipes (culverts) shall be backfilled per CDOT Standard Plans. Excavation and backfill for utilities, pipes, conduits and culverts will not be measured and paid for separately but shall be included in the cost of the items.*

25) Q: Should an acceptance of Asphalt Cost Adjustments be added to the bid form?

*A: Yes, per Standard Special Provision Revision of Section 109, the contractor shall specify whether the cost adjustment will apply to the Contract at time of bidding.*

26) Q: Can you verify that fiber will not be required in shotcrete mix? Primarily the sculpting.

*A: Fiber has not been specified for this project.*

27) Q: Is there a maximum shotcrete thickness allowed for the sculpted shotcrete? If 6-8 inches is exceeded in order to produce adequate shape will additional support steel be required? Can accelerator be used at the nozzle?

*A: The plans show the nominal thickness of 6". Minor variation in thickness is anticipated. Significant variations in thickness may require further evaluation by the Engineer and sculptor. If additional support steel is required, it shall be incidental to the shotcrete cost. If accelerator is used it needs to be included in the concrete mix design that is submitted to the Engineer.*

28) Q: What will be the required curing method for shotcrete, if any? i.e., blankets for a certain temperature range, water and poly sheeting over a given temperature.

*A: Refer to CDOT Standard Specifications subsection 641.05 for curing shotcrete requirements.*

29) Q: Where are the verification soil nail locations and quantities shown on the plans?

*A: Verification test nails shall be sacrificial nails and have a total length of 20 feet with 10 feet of bond and 10 feet of free length. Verification test nails shall be installed in the first or second lift of the soil nailing process. Test nails shall be located at least 100 feet apart for each wall. Verification test load (VTL) = 30,160 lbs. The number of tests required for each wall are:*

*Wall 1 – 1 test*

*Wall 4 – 3 tests*

*Wall 7 – 3 tests*

*Wall 2 – 3 tests*

*Wall 5 – 2 tests*

*3 Mile Wall – 1 test*

*Wall 3 – 3 tests*

*Wall 6 – 3 tests*

*Item 504-06410 Verification Testing – Quantity 19 EACH will be added to the bid schedule.*

## South Midland Bid Questions – Received at Pre-Bid Meeting:

- 1) Q: What about Buy America requirements for steel?  
*A: Buy America Requirements for this project shall be in accordance with CDOT Standard Specification 106.11.*
- 2) Q: Have the modular block walls been designed meeting the same FS for Global stability as the nail walls?  
*A: No.*
- 3) Q: What is the Engineers Estimate?  
*A: \$10M-\$15M*
- 4) Q: Buy America or Buy American?  
*A: Buy America*
- 5) Q: Can the wall profiles be adjusted to meet embedment requirements for AASTHO LRFD and FHWA?  
*A: The wall design is based on the embedments as shown in the details. If an alternate design is proposed, the embedment and wall profiles may be adjusted by the contractor's wall engineer to suit their design. However, the wall area quantity for payment will not be increased.*
- 6) Q: What is the Final date for questions?  
*A: October 23*
- 7) Q: Clarification on the HMA the last few projects in the city have utilized a 64-28 oil. this project is specifying 58-28.  
*A: 58-28 is specified for this project.*
- 8) Q: Page 13 of specs states one lane closures limited to 1500 feet. Will this apply for asphalt paving?  
*A: The 1500 ft maximum lane closure length is intended to minimize traffic impacts during extended duration lane closures. Lane closure lengths can be included in specific MHTs that will be evaluated by the City and Project Engineer on a case-by-case basis for weighing potential traffic impacts with work activity duration and productivity.*
- 9) Q: Precast Irrigation Structure Quantity in the bid tab is Zero? What does this imply?  
*A: The item total was not carried from the Drainage Tabulation (sheet 93) to the Summary of Approximate Quantities and Bid Schedule. A revised bid schedule will be included in a future addendum.*
- 10) Q: Is there access to the hillside for the installation mesh from the top side?  
*A: The rockfall mitigation areas are not accessible from the top. These rockfall areas are on private property. The city has secured temporary construction easements for the rockfall netting areas, but these do not extend above these areas for access. Any access outside these*

*temporary easements must be negotiated by the contractor with the property owner, and proof of the access agreement must be provided to the city.*

11) Q: Is lime required in the asphalt mix or is an approved liquid anti strip allowed?

*A: An approved liquid anti-stripping additive can be provided in lieu of lime.*

12) Q: Bid date?

*A: October 30. Please refer to the Invitation to Bid for more information.*

13) Q: What is the addendum deadline?

*A: Questions must be submitted by October 23.*

14) Q: Will materials/aggregates from the Mid-Continent Quarry north of town be accepted for use on this project? Road base and such?

*A: Refer to the Supplemental Conditions #8: Mid-Continent Quarry (RMI/RMR) is not in compliance with their Garfield County permit, so none of their materials will be accepted on the project.*

15) Q: Can the sidewalk placed over the top of wall be separated to allow for differential settlement at back of wall or is the reinforcement shown sufficient to prevent cracking?

*A: An alternate detail may be submitted by the successful contractor for review by the engineer.*

16) Q: From an aesthetic perspective and also to bid correctly, do you prefer Redi-Rock LedgeStone, Cobblestone, or Limestone texture?

*A: Refer to Figure 1 in the Revision of Section 504 Project Special Provision for an image of the desired texture and color.*

17) Q: Sht 194, Note 1; Top of wall (TW) is an ambiguous Point. Shouldn't to be predefined as y distance from Catch Line?

*A: The TW line is determined from the intersection between the Existing Ground surface and the Finished Grade surface. This was used in design to generate the wall profiles and quantities. The vertical distance between TW and Catch Line will vary depending on the existing ground slope.*

18) Q: There appears to be a duplicate pay item for inlet protect type 1 208-00051b and 208-00070 Qty 2.

*A: The bid quantity should be 1 for item 208-00051. The bid quantity will be updated.*

19) Q: Will night work be allowed on this project?

*A: Night work will be allowed, but reviewed on a case by case basis. Contractor will be required to complete a Noise Exemption Request which requires city manager approval.*

20) Q: Can CAD/MicroStation/etc files be made available for reference? Prior to the Bid?

*A: AutoCad files will be made available to the successful bidder for information during construction. The project information available for review by bidders is listed in Revision of Section 102 – Project Plans and Other Data (Project Special Provision)*

21) Q: Item 619-51290 18" pipe is show as each, can this changed to LF

*A: Yes, this will be changed to LF.*

22) Q: What are the noise ordinance hours for construction activities.

*A: Refer to Revision of Section 104 – Maintaining Traffic (Project Special Provision) for information.*

23) Q: Can you share your prebid presentation?

*A:Yes, this will be made available.*

A revised Bid Schedule will be provided with a future addendum after all questions are received. In the meantime, the following table summarizes the current revisions that will be incorporated into the revised Bid Schedule.

<b>CDOT REF. NO.</b>	<b>CONTRACT ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>COMMENT</b>
202-00495	REMOVAL OF PORTIONS OF PRESENT STRUCTURE	LS	1	Added item
203-01594	COMBINATION LOADER	HOUR	20	Added item from tabulation on sheet 208
208-00002	EROSION LOG TYPE 1 (12 INCH)	LF	4290	Revised qty from tabulation on sheet 208
208-00020	SILT FENCE	LF	2115	Added item from tabulation on sheet 208
208-00035	AGGREGATE BAG	LF	118	Revised qty from tabulation on sheet 208
208-00051	STORM DRAIN INLET PROTECTION (TYPE I)	EACH	1	Revised quantity
208-00052	STORM DRAIN INLET PROTECTION (TYPE II)	EACH	32	Revised qty from tabulation on sheet 208
208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)	HOUR	20	Added item from tabulation on sheet 208
208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)	HOUR	20	Added item from tabulation on sheet 208
208-00107	REMOVAL OF TRASH	HOUR	20	Added item from tabulation on sheet 208
213-00150	BONDED FIBER MATRIX	ACRE	1.0	Added item from tabulation on sheet 208
504-04410	BLOCK FACING	SF	13576	Revised quantity
504-06410	VERIFICATION TESTING	EACH	19	Added item
607-11525	FENCE (PLASTIC)	LF	75	Added item from tabulation on sheet 208
615-65000	PRECAST IRRIGATION STRUCTURE	EACH	2	Revised quantity
619-51290	18 INCH PLASTIC PIPE	LF	6778	Revised unit
619-76144	18 INCH BUTTERFLY VALVE	EACH	24	Revised quantity