

**PROJECT SHOWING QUESTIONS AND ANSWER DETAILS**

Project Number	Project Subaccount Number	Bid Opening	Region
BRO M065 – 006	18888	2/2/17	5

Town Manager	Project Engineer	
Chris Lamay	Mike Coggins	
Others in Attendance:		
Steve Folk	Evan Montgomery	Tony Bemelen

It is the responsibility of the bidder to verify all information within this document. If bidders use the information in preparing a proposal, it is used at their own risk. Bidders are responsible for all conclusion, deductions, and inference drawn from such information.

**Q) After reading the Project Special Provisions, and Contract Documents, we are unable to determine if this Project is totally, or even partially, Tax Exempt or not. Although it is too late to ask a formal question, this is very important to all bidders, and we would appreciate you taking the time to answer this.**

**A) Owner is exempt from Colorado state sales and use taxes on materials and equipment to be incorporated in the Work. (Exemption No. 98-08531-0000). Said taxes shall not be included in the Bid. Contractor shall be responsible for acquiring exemption certificate for use only for the purpose of purchasing construction and building materials for the exempt project.**

1) PSP 622 Temporary Sewage Bypass System states that the contractor is to provide a bypass pumping plan and in addition provide 24/7 oversight while in operation. The plan general notes on sheet 13 state that the City is to provide the plan, oversight, pumps, and equipment, with the contractor essentially implementing the plan and equipment. Which one is correct?

A: See the general notes on plan sheet 13. The Town of Bayfield has completed some design work for the Temporary Sewer Bypass System. The Town will obtain electrical power to the vault at station 300+75 and will be responsible for making electrical connections. The Town will provide pumps and related accessories, including guide rails,

mounting bases, float switches and control panel. The Town will maintain the system for the duration of construction.

The Contractor will provide a plan to the Engineer to implement the Temporary Sewage Bypass System. The Contractor will be responsible for procuring all pipe, fittings, manhole (with hatch in lid), conduit, unistrut frame for mounting the control panel, and field route of bypass pumping. The Contractor will provide all equipment, materials and labor to install the temporary sewer line and bring the system up to operational for the duration of the project. The Contractor is responsible to procure the vault that will tie into the existing sewer line on the southwest side of the bridges near station 300+75. All work will be paid by Force Account.

2) Is there any update to the relocation schedules of the gas line, century link, utilities? Are there any utilities that could affect work in the parks?

A: There has not been an update on the schedule of the utility relocates for this project. CDOT utilities engineer is in communication with Century Link (phone) attempting to get the phone line relocated to the north side of the bridges prior to commencement of the project. Utilities have not been located in the parks or the wetland mitigation area. It is the responsibility of the Contractor to call in all necessary locates. There are 20 hours of potholing built into the project budget.

3) Is the City holding the SWMP permit, or is the contractor responsible for obtaining it?

A: Per Environmental Note 4, the Contractor is responsible for obtaining the Stormwater Construction Permit (CDPS-SCP). Expect 10 days to obtain from CDPHE.

4) Sheet 116 calls out reinforced foundation under MSE walls. I can't find the specifics to what materials or other details such as section thickness that are required. Also, how is the material to be paid for?

A: See sheet 122 titled Typical Section Reinforced Foundation shows 18 inches of Structure Backfill (Class 1) and Geogrid Reinforcement. Payment will be by appropriate bid items. PSP Revision of Section 504 Concrete Panel Facing MSE Wall section 504.19 addresses the excavation and backfill of the material under the leveling pad of the MSE Walls. The existing material will be compacted as required unless that material is determined to be unsuitable by the Project Engineer.

5) What type of geogrid reinforcement is required? Plans show 729 SY for the walls. Does this quantity include the Reinforced Foundation below the walls and the MSE Reinforcements behind the wall?

A: Geogrid reinforcement shall be in accordance with Section 504 of the PSP. Per revision of Section 504 Concrete Panel Facing MSE Wall, the Contractor shall submit shop drawings and certified material test reports for review. Section 504.12 shows the complete list of submittal requirements for the walls. Note that the Project Special Provision supersedes the Standard Special Provision.

6) Is total removal of the existing bridge foundations required? Or can it be assumed that removal of existing foundations needs will only need to be removed to a minimum of 2' below finished grade? Sheet 130 at station 307+35 shows the new caissons on top of the existing bridge's foundation. The location and depth of existing foundation and impact to new bridge construction could be a problem. How do we plan and construct?

A: Removal of bridge includes removal of substructure including piers. The removal of substructure will be taken down to at least one foot below the natural existing or future ground surface. (pg. 19,20 of PSP). Regarding station 307+35, the Contractor may 1) remove the existing foundation and backfill or 2) remove per plan and drill caissons through the footer of the existing. Any portion of the existing structure that interferes with the construction of the new bridge must be removed. Cost will be included in Item 202 Removal of Bridge.

7) Is stay in place decking allowed between the girders on structure BP-OF? Can it be precast panels or metal decking?

A: Precast panel deck forms may be used in lieu of a full cast-in-place deck. The Contractor shall be responsible for the following: panel design, ensuring that the concrete haunch can provide the required clear cover atop the reinforcement in the cast-in-place portion of the deck, and the connections to the pipe hangers. The Town of Bayfield will not approve the use of steel deck forms at their discretion. It should be noted that all steel and iron used on this project must be manufactured in America per the Buy America Requirement.

8) Are as built drawings of the existing bridges available?

A: As built drawings of the existing bridges has been included on the Bayfield website.

9) Are cross sections available or must they be obtained from Bechtolt Engineering?

A: Cross sections have been added to the Bayfield website for Contractor's to review.

10) Plans say that access must be maintained to the private property between the bridges on both sides of the road. Can the Contractor make other arrangements with this property owner?

A: Yes, provided that written confirmation is provided to the Engineer.

11) Do you have contact information for the Vallecito Dam operator?

A: Pine River Irrigation District phone number is 970-884-2558.

12) It appears that the fiber optic vault on the northwest corner of the overflow channel could get buried under fill material. Can we bury it or does access need to be maintained? Is there a detail for protecting it?

A: No detail has been provided. It appears to be outside of the toe of slope. Therefore, this will be a field fix once fill slopes get constructed. We might use timber or reinforced soils or a riser or steepen the slopes. There's also a water valve nearby. Neither can be buried.

13) Are there any utilities in Little Pine Park?

A: Contractor shall call for locates.

14) How is tree removal being handled?

A: See environmental note #16. Trees inside of slope stakes will be removed and shall be included in the cost of Item 202 Clearing and Grubbing. The Contractor may buck up the trees for free firewood to give citizens or dispose of off-site. Trees become the property of the Contractor to dispose of. Whether 2" or 2' diameter, it's included in the work. The Town has a disposal site at the sewer plant for disposal of brush and unsuitable soils.

15) What are the reinforcement lengths in the reinforcement zone?

A: See Table on Sheet 124 and build according to plan. The Engineer may direct additional reinforcement if unforeseen gaps exist due to different wall heights.

16) What's the ductile iron pipe for shown on sheet 68?

A: Revision under ad issued changing 12" Ductile Iron to 16" Welded Steel Pipe.

17) Is a field trailer and field lab required?

A: Rental of office space in Bayfield is an acceptable alternative to a field trailer. A field lab is required for concrete curing, aggregate and backfill testing, and nuclear density gauge storage.

18) Per plan sheets 109, 122, 123 and 127, there's a considerable amount of drainage requirements, including 6" perforated pipe underdrains, drains through the retained zone, geocomposite strip drains and MSE wall drains. How do these all come together to drain the area behind the walls?

A: The end result is insuring that water is captured and drains. The Contractors shop drawings shall detail how the drainage system will be designed and constructed. Core drilling is an option if determining the elevation of the drains is too difficult to confirm during wall design, details and fabrication.

19) Plan sheets 109 and 117 indicate that the width between walls is greater than the

width of the abutment by about 8 feet. What happens to the area outside of the abutment to keep material from getting contaminated, spilling or allowing moisture infiltration?

A: Sheets 4 and 122 show the area getting paved with 4" HMA. Substitution of concrete may be considered.

20) There is a bid item for 6" perforated pipe underdrain. Plan sheets 109 and 149 state that the 6" perf pipe is to be paid under Mechanical Reinforcement of Soil and Structure Backfill Class 1?

A: We have a bid item for 6" perf pipe. The note below the underdrain system detail on 109 and 149 says that 6" perf pipe includes geotextile drainage fabric and filter material. The Town will pay the installed quantity of the underdrain system under the bid item 605. This cost includes the subsurface drain outlet.

21) Plan sheets 95 and 134 call out Geotextile (Erosion Control)(Class 1) to be placed under the rip rap. Bid item and Summary of Quantities calls out Geotextile (Drainage)(Class 1). How do we bid this?

A: The same material may be used for under the riprap as well as perforated pipe underdrain system behind the walls. The Town will pay Geotextile (Drainage)(Class1) for the geotextile under the riprap. The fabric surrounding the 6" perf pipe and filter material will be included in the cost of the work.

22) Are all conduits on the bridge to be poured in concrete?

A: The 2", 3" and 4" conduits on the bridge will be poured in concrete as shown on sheets 105 and 144.

23) What is the engineered method of support of these conduits if submerged?

A: The Contractor shall submit a concrete rebar chair for approval. 2" minimum clearance

24) What are the wattages and voltage of the two lit Bollards?

A: Revision of Section 613 states "the fewest luminaires and lowest wattage possible to meet minimum safety standards..." 50 watts and 120 volts, depending on what's available from the Illuminated Bollard supplier.

25) Who is setting the two lit Bollards?

A: Contractor – See Item 613 Illuminated Bollard and Base – 2 each

26) Who is providing the lit Bollards?

A: Contractor – See Item 613 Illuminated Bollard and Base – 2 each

27) Who is connecting power to the two lit Bollards at the source?

A: Contractor – See Item 613 Wiring – 1 Lump Sum.

28) Is the end of the 2" UG PVC Sch. 40 to be dead ended in ground vault for future expansion? The detail just ends on the north side of the bridge at the lower end of the landscaping.

A: Yes, it terminates at station 200+36. All work shall be performed in accordance with National Electrical Code and Uniform Electrical Code

29) If the bridge conduit is not poured in concrete, what is the engineered method of support?

A: Sand or bed course material is acceptable. Conduits in bridge will be poured in concrete.

30) Are there additional runs of 2" conduit on the East bridge other than the two runs on the North side of the bridge at roughly 210' each?

A: No. This quantity may underrun by about 420 LF or we may decide to connect the conduit between the bridges.

31) Who is required to move the fiber optic lines?

A: If they are in conflict, Century Link will move the fiber optic lines.

32) After the fiber optic lines are moved, who is required to set the new traffic rated vault and what are its dimensions.

A: The fiber optic lines should not be in conflict. The Contractor shall raise the existing communication boxes at approximate station 304+00 left and 307+40 left to match the finished grade. Since the work is called out in the plans but no bid item exists, raising of the existing communication boxes will be included in the cost of the work. Site visit will

confirm dimensions.

33) Is the electrical contractor required to help the city move the existing sprinkler controller?

A: No, the Town will move it if there's a conflict. If the Contractor is required to assist, this will be considered extra work and compensated accordingly.

34) Who will coordinate with telecommunications for temporary relocation and permanent installation of these utilities.

A: The Town and the Engineer have discussed temporary relocation requirements with Century Link. The Contractor will coordinate with all utility companies once conflicts are identified and the construction schedule is established.

35) If the 2" and 3" conduits are not poured in concrete, what is the engineered method of support?

A: Sand or bed course material are acceptable.

36) If 4" conduits to be poured in the sidewalk, what is the engineered method of support for these conduits?

A: The Contractor shall submit a concrete rebar chair for approval. 2" minimum height

37) Specification Section 712 Revisions indicate New York DOT products list as the approved products for this project. Will this in fact be the requirements or will Colorado DOT requirements be used?

A: NY DOT APL will be used for geotextiles only. CDOT APL applies to all materials except geotextiles.

38) Will the 12" DIP Sewer and 8" Galvanized Drain Pipes require insulation? If so, please provide specs.

A: The 12" DIP is being deleted. 16" welded steel pipe is being added in its place. 16" welded steel pipe will include certified welder, hanger design underneath bridges, centralizers, pipe and all other incidental items associated with Item 619 – 16" Welded Steel Pipe. Insulation is not required.

39) For the 12 DIP that is proposed for the sewer under the bridges, will external bell harness restraints be required or integral bell restraints?

A: The 12” DIP is being deleted. 16” welded steel pipe is being added in its place. 16” welded steel pipe will include certified welder, hanger design underneath bridges, centralizers, pipe and all other incidental items associated with Item 619 – 16” Welded Steel Pipe. Insulation is not required.

40) Plan sheet 86 proposes 18” PVC Schedule 60 drain pipe. As Schedule 60 is not typical PVC pipe type, will schedule 40 or SDR 35 be acceptable?

A: No, since Schedule 60 is not available, Schedule 80 PVC pipe will be required and included in the cost of Item 603 – 18” Plastic Pipe.

41) Are stay in place metal deck forms allowed?

A: No.

42) What are the maximum flows that the Morrison Consolidated Ditch can take out of the River?

A: Typical flows are 100 to 110 CFS. They may increase to above 200 CFS during runoff and rain events. The Contractor shall provide up to 250 CFS of water for the duration of the irrigation season.

43) Are electronic bids acceptable?

A: Yes, they should be received no later than Noon on Thursday, February 2, 2017. They should be sent to 3 people listed below and followed up with a phone call to confirm receipt.

[clamay@bayfieldgov.org](mailto:clamay@bayfieldgov.org)

[Richard.bechtolt@bechtolt.com](mailto:Richard.bechtolt@bechtolt.com)

[mcoggins@bechtolt.com](mailto:mcoggins@bechtolt.com)

Phone: 970-884-9544

Phone: 970-259-7534

Phone: 970-764-8510

44) Can we get a quantifiable unit for the handling of the potential contaminated waste soil from the storage tanks?

A: There is no quantifiable volume of anticipated petroleum contaminated soils from the tanks that were supposedly removed from the park in 1989. There are four (4) bid items to cover all of the known hazardous materials items identified in the Environmental Site Inspection and Assessment: Item 250 Environmental Health and Safety Plan – 1 LS, Item 250 Monitoring Technician – 40 hours, Item 250 Health and Safety Officer – 8 hours, Item 250 Material Sampling and Delivery – 2 each. The Health and Safety Plan shall address all possible hazardous material issues identified in the environmental site assessment, including the lead paint on the bridges. If petroleum contaminated soils are

encountered, the Monitoring Technician will confirm the level and the Health and Safety Officer will determine the course of action and method of disposal to be approved by the Engineer. Payment for disposal will be by Force Account Environmental, Health and Safety Management Disposal Items.

45) We are interested to know what would you have for rent that would qualify as the field office. Who would use the office? Would it be CDOT personnel?

A: Field Office (Class 2) and Field Lab (Class 2) are required. The office would be for the use of the Consultant Project Engineer and any consultant staff. The lab would be for the use of the consultant project tester and must be furnished per CDOT requirements. An alternative office space in Bayfield may be approved by the Engineer provided that it has the items required in the M&S Standards. This would include power, phone, internet service, copier/fax/scanner, water and furniture acceptable by the Engineer. This is not a CDOT project. There will not be any CDOT personnel assigned to the project. CDOT specifications, M&S Standards, testing procedures and other requirements apply. Town of Bayfield requirements apply as described in the Bid Documents. All costs associated with planned or alternative Field Office (Class 2) and Field Lab (Class 2) facilities will be included in the cost of the appropriate bid item.

46) The main channel report seems to be missing the Appendices. The Overflow channel report has them. Were there 6 tests total or 6 for each bridge?

A: Assume that the results for the overflow bridge apply to the main channel bridge. The lead based paint levels are similar. The detection of asbestos was negative on both bridges. The missing appendices will be updated upon receipt.

47) Sheet 178 requires 5 signs in the middle of the page and 7 signs at the bottom. Which is it? 5 or 7? The quantity seems high. Are other signs required? Is plywood sheeting acceptable or is aluminum with zee brackets required?

A: 7 signs of 96" x 44" dimensions are required for BAYFIELD/PKWY/CLOSED/AT/LOS/PINOS/RIVER. They shall be mounted at the locations shown in the plans. 7 signs at 30 SF per sign is 210 SF. Planned quantity is 285 SF. Additional signs may be added if necessary. Plywood or aluminum signs are acceptable provided that they have the specified retroreflective sheeting and last the duration of the project. ROAD/CLOSED signs and barricades shall be shown on the MHT and shall comply with the MUTCD.

48) Is there a designated form liner to be used for the exposed face of the MSE Precast

walls on the Overflow Bridge? The plans reference a “rustic” appearance; however, we could not find any specified liner to be used.

A: There is not a designated form liner. The intention is to have a wall that resembles the detail on sheet 124, Section A. The thicknesses (depths) shall match those shown. The pattern of vertical spacing is random and not defined. The Contractor shall submit shop drawings for review and approval prior to fabrication. An architectural treatment beyond the vertical indentations and extrusions is not required.

49) Will precast panels 7.5’ and larger be acceptable. The plans reference having the shop drawings approved prior to installation and verification of all vertical joints however this could impact bidding prices should larger panels not be allowed.

A: Precast panels 7.5’ and larger are acceptable. Per PSP 504.07(f)1 the maximum width is 10 feet. Per PSP 504.11, panels may be longer than 5 feet provided their section strength can be shown to accommodate handling and erection without cracking.

50) What are the specification requirements for the geogrid underneath the walls and leveling pad?

A: Biaxial Geogrid that meets or exceeds Tensile Strength @ 5% strain of 1200 lb/ft is required.

51) Removal of Bridge on Page 18 of the Special Provisions indicates that Removal of Hazardous Materials is per Section 250 which indicates disposal costs are paid by Force Account, yet statements on page 21 & 32 seem to indicate that these costs are incidental. Please clarify.

A: It is not necessary to remove the lead paint from the bridges prior to their disposal. The majority of lead paint should stay on the bridges during removal. Some lead paint will flake off or will be intentionally removed to facilitate removal of bridge. All lead paint portions of the structure shall be captured and disposed of in accordance with Section 250. The force account item is for disposal of petroleum contaminated soils of unknown quantity. The force account item is not for lead paint disposal. All work associated with lead paint debris and disposal will be included in the cost of Item 202-Removal of Bridge (2 each).

52) Page 27 of the Specifications indicate that moving, stockpiling, and transplanting of “shrub root pads” are incidental to the Wetland Topsoil. Could you provide a quantity for this work?

A: The quantity is indeterminable. The quantity is the number of shrubs currently growing in the permanent wetlands impact locations. The Contractor shall excavate the wetlands topsoil, including the shrub root pad, haul, stockpile to the designated location, placed in holding beds, water, protect, and then plant as described in Revision of Section 215. The cost is incidental to the stockpiled wetlands topsoil (546 CY).

53) How wide is the diaphragm shown in Section A of sheet B112?

A: The diaphragm extends the entire width of the cap.

53) How long does the temporary sewer bypass need to stay in place and functioning.

A: It is desirable to get the new sewer line hanging on the bridge and to get it operating under gravity flow as soon as feasible so that the temporary bypass system can be abandoned, backfilled and pumps removed.

53) What is soil riprap?

A: See PSP Revision of Section 506 Soil Riprap.