

# Ohio Department of Transportation Prebid Questions

Project No. 078023

Sale Date - 11/30/2007

Question Submitted: 12/14/2007

Question Number: 1

[2.1.3] It is difficult to find an automated monitoring system. Is contractor required to monitor structures when not in production, i.e. nights and weekends.[2.1.6] Does the Department require 28 day testing of grout mix designs before grouting can begin?When is the planned "Start" date for this project and will it allow enough time for submittal preparation and review?

[3.1.10] Volumetric grout mixing plants do not qualify as batch plants [CMS499.06] or provide batch tickets [CMS499.08], However they are the industry standard and least inexpensive method of on-site manufacture and pumping of grout utilized in mine subsidence abatement contracts. Note: Volumetric grout mixing has been used very successfully on 2 Guernsey, 1 Stark, and 1 Mahoning County ODOT projects.[3.0] [5.2] (Table 3-1) Is there a mix design required for each of the 3 required Barrier and Production Grout Mix slumps and if so, does a ground surface test need to be performed for each mix? There is a time constraint in obtaining materials and completing 28 day destructive testing of "Barrier Grout" and "Production Grout Samples" and completion of project by 01/31/08 . [5.3.2 / 5.8.13] How does one remove the top 3 feet of casing if the annular space between the 8 inch overburden drilled hole and 6 inch surface casing is grouted? [5.7] Can pumped mine water required for pump step test and mine dewatering [pressure relief] be placed in the I-70 storm water drainage system?[5.8.1.1] How do you keep the "gob" found on the floor of the mine from caving-in after completing drilled hole to required depth and extract drill rods?How do you keep the grout from being washed off the sounding weight in a flooded hole?

[5.8.6] "The maximum quantity of grout placed per bore hole will be directed by the Engineer" (1, 2, 3, 4) "The void consumes 25, 50, or 4 cubic yards more than expected" . What is that expected quantity?[5.8.11] How do you maintain an elevation of grout 2 feet above the roof rock when the amount of grout in the tremie pipe will almost completely fill the overburden casing when the tremie is extracted? [5.8.7] Given the 21 calendar day window for road closure, can the contractor work on both sides of the structure simultaneously?

**A1)The plan note addresses that the measurements be taken for 24 hours /7days with shots every 10 minutes during grouting and every 60 minutes when grouting is not being performed for at least 7 days after finish grouting.Please refer to qualified surveying company for the system.A2) Yes. If it is a rush job we could allow a mix design that has been used on past projects and has testing data available for review. They may elect to conduct additional testing between 7 day and 28 day to identify when 100% of strength has been reached. Once strength requirements are proven, grouting can begin. A3) Planned Start Date is set by the contractor based on the plan notes for interim and final completion dates.A4) We do not have a problem with the usage of a volumetric grout mixing plant for large quantity jobs. The anticipated volume of grout to be placed on this job is relatively small in comparison to the referenced jobs. For this project bid as per current documents. A5) Contractor must submit a mix design for each mix and a ground test needs to be performed for each mix design.A6) This is a contractors means and methods, but we would recommend for plastic casing breaking of the pipe and grout in the upper three feet, for steel casing provide a cold joint or grease the upper three feet of the casing cut the casing off at three feet and pull.A7) As long as the discharge meets NDPES required levels (may require treatment prior to discharge)A8) This is a means and methods questions, but we would suggest let it fall in and then clean out prior to grouting.A9) If sounding rod is "wet" (water or grout) assume that grouting is still required.A10)Use boring logs, video info, and any other info available to estimate the theoretical volume of the void.A11) Two (2) feet is a minimum height (greater than 2 feet is allowable).A12) Yes. Both sides of the structure can be worked on at the same time.**

Question Submitted: 12/14/2007

Question Number: 2

Item 30 calls for 50" Portable Concrete Barrier Wall. Will 32" Portable Concrete Barrier Wall with glare screen be permitted?

**The District respectfully declines.**

All prospective bidders, subcontractors, suppliers, materialmen and all others who have an interest in these prebid questions and answers are advised that these items are being provided for informational purposes only and are not part of the bidding documents. If a question warrants a clarification, the Department will issue an addenda addressing the request for clarification to all plan holders. If the Department believes that the bidding documents adequately address the request, the contractor will be advised accordingly.