

Vrooman Road Improvement Project PID 5669 and PID 85131 Contractor Questions & Answers

- 1) Will the owner make the office calculations available to the Bidders?

It is not the intention of the Lake County Engineer's Office to provide these calculations to the Bidders.

- 2) Please verify that the quantities of excavation and embankment for River Road have been included in the bid items. They are not referenced on pages 43 and 44 of the drawings.

The General Summary, Earthwork Sub-Summary and River Road Cross-Sections have been updated to include the embankment, excavation and seeding quantities along River Road. The Proposal Sheet will be revised to reflect the change in quantity.

- 3) Bid reference # 12 calls for excavation of subgrade. Where will the replacement of this material be paid under and where is it quantified?

The replacement materials were omitted. The description of work and quantities will be added to the General Notes, and the quantities carried to the General Summary. Pay Items 204 Granular Material Type C and 204 Geotextile Fabric will be added to the Proposal Sheet.

- 4) In Addendum #1 can you include the CAD file for the graphics on the piers? Our Form liner suppliers would like to use it to help generate their quote to us.

The requested CAD file will be included with Addendum 1.

- 5) In reference to the plan note on sheet 9/321 regarding permits and temporary construction fill: Have the 401/404 permits been attained for this project? What quantities and surface area or temporary fill were requested for the new bridge construction?

The 401 and 404 permits have not yet been attained. Both permit applications have been submitted to the responsible reviewing agencies (the Ohio EPA and USACE, respectively). The "Completeness Review" of the 401 Permit Application was completed on November 13, 2014, and a Public Hearing is scheduled for January 8, 2015. Public notice of the 404 Permit Application was made on October 29, 2014, and the public comment period is complete. We anticipate receipt of the approved 401 Permit in mid-March, 2015, and the approved 404 Permit shortly thereafter.

Temporary fills will not be allowed in the Grand River for purposes of constructing the Vrooman Road Bridge. This is one of the Environmental Commitments contained in the FONSI. These commitments are listed in the Proposal.

Temporary fills will be allowed in Borden's Ditch for purposes of constructing and maintaining the Northern Haul Road. The following quantities were included in the 404 Permit Application for this work:

*Length of Channel Disturbed = 22 LF
Excavation/Fill Below OHW = 32 CY of clean, non-erodible fill
Excavation/Fill Below OHW = 0.01 Ac. of clean, non-erodible fill*

Temporary fills will not be allowed in the Grand River for purposes of constructing the Temporary Vrooman Road Bridge.

Temporary fills will be allowed in the Grand River for purposes of removing the existing Vrooman Road Bridge and constructing the proposed Mason's Landing Park Pedestrian Bridge. The following quantities were included in the 404 Permit Application for this work:

*Length of Channel Disturbed = 90 LF
Excavation/Fill Below OHW = 1389 CY of clean, non-erodible fill
Excavation/Fill Below OHW = 0.086 Ac. of clean, non-erodible fill*

- 6) The plan note on sheet 9/321 titled "ODNR Scenic Rivers" states that work within the Grand River will be constructed from August 1 to September 15. The plan note on sheet 308/321 titled "Environmental Constraints" states that the contractor's work within the Grand River will be conducted from September 15 to October 31.

The dates in the plan note on sheet 308/321 titled "Environmental Constraints" were incorrectly changed in Addendum #1. The notes on sheet 9/321 and 308/321 will be corrected. Work within the Grand River will be conducted during the low-flow period of the Grand River. The Contractor's work will be conducted from August 1 to September 15. This revision will be included in Addendum #2.

- 7) Reference 229 Pavement for Maintaining Traffic Class B shows a quantity of 7,206 sy. My Takeoff of Temporary Pavement per the plans is approximately 1300 sy. Please forward the calculations for the bid quantity.

The Reference 229 quantity is incorrect, and a revised quantity will be included in Addendum #1. (892 SY).

- 8) Please add a Lump Sum Roads for Maintaining Traffic Item for the earthwork required for the Temporary Pavement per 615.10.

The Item requested is used when a complete Temporary Road or Temporary Crossover is included. Per the MOT notes, "PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN". This item will not be added to the Proposal.

- 9) This question involves the use of "optional" splices for the erection of the HPS girders, as shown on plan sheets 247 thru 249 of 321 in Part 1. Can the contractor select a combination of "field" splices and "optional" splices, or if the contractor selects "optional" splices, is he still required to use ALL "field" splices? For example starting from the rear abutment, at pick 2, if the contractor or fabricator elects not to use the 160 ft pick (from "field" splice 1 to "field" splice 2) and uses pick 2 as 110 ft, (from "field" splice 1 to "optional" splice 1), can he then select pick 3 as 90 ft (from "optional" splice 1 to "optional" splice2, without using "field" splice 2), or is he required to use "field" splice 2 therefore having two picks (one at 50 ft and one at 40 ft).

The Contractor is required to use all "Field Splices" shown in the plan, and the Contractor's bid for Reference Item 182 shall be based upon including the "Field Splice" weight in their estimated quantities and unit price. The Contractor may use any number of "Optional Field Splices" based upon their proposed means and methods. The Contractor's bid for Reference Item 182 shall be based upon including the weight of any "Optional Field Splices" they choose to use in their estimated quantities and unit price.

- 10) We have been looking at the erection of the structural steel for the new bridge including the suggested sequence shown on the plans.

So far two erection subcontractors have asked us if there is a possibility of placing a temporary stone causeway partially across the Grand River at the new bridge location (Probably on the downstream side)?

As shown on the plans the reach & lifting radius for the cranes to set the final drop in girder pieces at span 4 (Stage 9 on plan page 206/321) is so great that a huge special crane must be brought to the site to set just these four pieces of steel.

The cost to bring in this huge crane & the additional access area preparation it requires is quite substantial.

If a stone causeway say 50' wide and about 1/3 to 1/2 of the way across the Grand River from the south bank could be placed the need for this special crane could be eliminated and the cranes utilized to erect the remainder of the structure could complete this span.

We realize that there would be a need to submit a request for a new/revised environmental & Corp of Engineers permit for this temporary causeway.

We also realize this causeway would have to be installed in the river in the period 8/1 to 9/15 2015 & it would remain in the river until it could be removed during the same time frame in 2016.

Do you think it will be possible to obtain the required new permits for this temporary causeway? The cost saving in doing the project using the additional causeway will be substantial.

No causeway will be allowed in the Grand River for purposes of constructing the proposed replacement bridge. This is one of the environmental constraints documented in the Environmental Assessment (EA) and the subsequent Finding of No Significant Impact (FONSI) documents.

- 11) On part 1 plan pages 304 to 306 of 321 dealing with the various form liner patterns – on each page there is a plan note that states CAD files for the various patterns are available. Can you provide these files or direct us to where they can be copied? We have form liner vendors who are requesting the files so they can better prepare their quotations.

The requested CAD file will be included with Addendum 1.

- 12) There has been mention that a temporary roadway bridge to replace the current structure on Vrooman Road over the Grand River in the existing location is going to be added to the scope of work on the project. Can you say when the information for this structure will be available?

Specifications for the temporary structure will be included with Addendum 1.

- 13) Does the proposed temporary bridge have to be built on the same alignment as the current bridge or can it be shifted up or down river which would require some additional temporary easement property from the Park?

Yes. The temporary structure will be located on existing alignment using the existing substructure units.

- 14) Will the proposed temporary bridge be open to the public during the construction period or restricted to the use of the contractor, and/or emergency vehicles and local residents?

Yes. The temporary structure will be open to the general public for use during the construction period.

- 15) Can the temporary bridge cross the river within the right of way acquired for the new bridge instead of at the current location?

No. The temporary structure will be located on existing alignment using the existing substructure units.

- 16) Where do we get paid for Subgrade Compaction referred to on page 7/121 Subgrade Compaction and Proof Rolling?

The note for "ITEM 204 – SUBGRADE COMPACTION AND PROOF ROLLING" on sheet 7 should be disregarded by bidders. Subgrade stabilization is to be performed over the entire project as shown in the Typical Sections and subgrade compaction not utilized as a result. A quantity of 8.5 hours is shown in the General Summary on Sheet 27 for the Item 204 Proof Rolling that pertains to the subgrade stabilization operations per CMS 206 and ODOT Geotechnical Bulletin GB-1.

- 17) Is reference 10 Rock for excavation of rock or for placement of rock? The detail on page 69 shows both.

Item 203 - Rock refers to the placement of rock on the Northern Haul Road.

- 18) When will the 404/401 Permit or Permit Application be available?

The 404/401 permit application information is on the epa website. www.epa.ohio.gov/dsw

- 19) Will Contractors be allowed to place a temporary Causeway or temporary Supports for steel girder erection in the River?

A temporary Causeway or other "in stream" work other than for removal of the existing pier for construction of the pedestrian bridge will not be permitted.

20) Where can I find an updated plan holders list?

A current list of plan holders can be found on our website www.lakecountyohio.gov/Engineer under Legal Notices/Vrooman Road.

21) The DBE goals are 10% and 8% respectively for each part. Can the DBE goal be modified so that the total amount of DBE participation would equate to cover the total of both instead of having a goal for each part?

No, although both PID's will be awarded to one Contractor, the accounting for each is required to be kept separate.

22) The first item under Mason's Landing starts at 209. This should be 211 and all remaining items in Part 1 should be increased by two. Also, the unit on item 56 should be changed to "FT". Anything on if you will provide the engineer's quantity calculations? I see that all of the bridge concrete quantities have changed along with some other items. We had also asked about providing the CADD drawings for the project. Addendum No. 1 included the aesthetic details only.

The proposal will be corrected. Engineer's Quantity Calculations will not be provided. We do not intend to provide CADD drawings other than for the aesthetic concrete details included in Addendum No. 1.

23) The bid items for bridge concrete do not have "With QC/QA" in the description. Is Lake County going to provide all concrete testing or do they want the Contractor to provide QC/QA testing for concrete? If QC/QA is required, please change the bid item descriptions to reflect this.

We will be adding "with QA/QC" to the Vrooman Road Bridge over the Grand River 511 items.

24) The minimum dimensions for rear and forward abutment beams seats on the proposed Vrooman Rd. Bridge are approximately 6.7' and 3.7' respectively. The quantity for Bid item 181 Class QC4 Concrete Mass Concrete includes both the rear and Forward abutments. The fwd abutment beam seat is not considered mass concrete per ODOT 511.04A since the minimum dimension is less than 5'. Should Bid item 181 quantity be reduced to just include the Rear abutment concrete quantity and a new non Mass Concrete bid item be setup for the forward abutment?

The Forward Abutment is technically not Mass Concrete; however, it will be treated as such. No new item will be added.

25) Proposal Reference 12 Rock calls for Rock to be placed for the Northern Haul Road and Access under the Bridge. Please indicate the depth of the Rock placement and the type of material to be used.

Per the typical section on sheet 69, 8" of Rock will be placed. The type of material will be per Item 203 Roadway Excavation and Embankment.

26) Plan note No. 1 on sheet 273/321 says that the deck concrete quantity includes concrete in the fully filled SIPMF form ribs. What depth of SIP forms did the County assume to arrive at the Bid Quantity? The bid quantity appears to be overstated.

An average additional depth was added over the entire deck area to account for filling the flutes. The actual additional volume will be dependent upon the actual SIPMF chosen for use by the Contractor.