Ohio Department of Transportation - Prebid Questions

Project No.  190253  
Sale Date - 6/20/2019  
LAW-104167 - US 52-11.75 Phase II OH15-01

Is railroad protective liability insurance required for this project?

No.  ODOT's State Rail Coordinator has determined that no railroad coordination or interface is necessary for this project.

Question Submitted:  5/17/2019 1:45:02 PM  Question Number - 0
Following up on the two previous questions asked regarding schedule, please reconsider the previous response.  With limitations in place on bat tree removal timeframes, the excavation timeline will be condensed to an unreasonable duration.  There is simply not enough time in 2020 to change phasing and complete the necessary roadway work in the time currently provided by the Department.  The Contractor cannot make assumptions on what the Department will approve outside of the provided phasing details to allow a chance to finish the work on time.  Respectfully, please review and revise the contract completion date to provide adequate time to finish the proposed scope of work.

This question will be answered by addendum.

Question Submitted:  5/9/2019 10:59:34 AM  Question Number - 0
There is no excavation pay item to remove the subbase "C" shown on the typical sections on sheet 3.  In addition there is no pay item for the excavation to install the single slope type D barrier from station 151+25 to station 176+38.84 also shown on sheet 3.  We are requesting a pay item be added to compensate the contractor for this work.

Please bid Item 202 Pavement Removed and Item 202 concrete median removed to include the removal of the subbase per CMS 202.05.  The excavation to install the single slope type D barrier from station 151+25 to station 176+38.84 is included in the 203 excavation quantities.  The quantities can be seen on sheets 58-70 in the cut volume column.  The excavation quantities for all the cross section sheets are then combined and carried to the general summary on sheet 15 in the office column.

Question Submitted:  5/9/2019 9:57:00 AM  Question Number - 0
Note 6 on sheet 162 indicates to pressure grout any voids between the mortar and sandstone or between each mortar pour.  We are requesting a unit price and quantity of pressure grouting be set up to compensate the contractor for this work.

It is our experience that the pressure grouting volumes will be minimal.  Please include the cost of the grouting with Item 613, low strength mortar, as per plan.

Question Submitted:  5/8/2019 11:53:27 AM  Question Number - 0
Who will be responsible for supplying the equipment and labor to off load the barrier and guard rail being delivered to the Lawrence County Highway Maintenance Facility?

Scheduled deliveries during regular work hours will be unloaded by ODOT staff and by ODOT equipment at ODOT's Lawrence County maintenance facility.

Question Submitted:  5/7/2019 9:25:08 AM  Question Number - 0
Due to the Indiana Bat issues we need to proceed with the Rock Slope Remediation activities beginning October 1, 2019.  This conflicts with the sequence of construction notes on sheet 8A.  We are requesting that the sequence of construction notes be revised to account for this.

As noted in a previous Prebid response, the Department has acknowledged the tree cutting date and the project completion date as correct.  The sequence of construction in the construction plans is suggested.  The actual schedule and sequence is to be submitted by the contractor per CMS 108.03 and approved by the Engineer.

Question Submitted:  5/3/2019 7:36:40 AM  Question Number - 0
On sheet 5, there is a note related to Airway / Highway Clearance for Airports and Heliports that is missing information related to height restrictions.  Please provide the missing information.

This question will be answered by addendum.
According to the cross sections the following pipes to structures in the median extend beyond the pavement removal limits: Sta  Str Depth
202+50  MH  1  14'220+50  CB-6  6' Please advise on how we are to construct these without removing the pavement. Also, the
following structures are approximately 10.5' deep and according to the cross sections the pipe extends to approximately 1' of
the pavement removal limits. Sta  Str 162+00 I3C1173+00 I3B1182+50 I3B1 Sheeting will be required for these inlets. Please advise on
how we are to compensated for the sheeting required.

This question will be answered by addendum.

Bid reference 98 is for 960 hours of Law Enforcement Officer with patrol car for assistance. This pay item is described on sheet 8 of the
plans. Does this pay item include the LEA required for the necessary stoppage of traffic for the blasting?

The majority of the 960 hours of the LEO pay item contained in bid reference 98 does include an estimated amount of hours for
stoppage of traffic for blasting operations.

Will the Department please make electronic design files available for the Contractor’s use?

Please see the following FTP site link. ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/LAW-104167/

It appears the trees that will need to be removed for the slope excavation to take place have not and will not be removed before the April
1st Deadline for the Indiana bat. This means that the majority of the work including the mass excavation cannot happen until October 1st.
This will put most of the work happening during the bad time of year. Is it possible to extend the completion date to allow a more
reasonable amount of time to complete the project?

The construction means and methods are the responsibility of the contractor with the engineer’s approval. The trees can be cut Oct
1 as noted and rock slope work can proceed through the winter. Please bid according to the current project completion date.

Can the sand stone that is excavated from the presplit area be sized and used for the Type A Rock Channel That is to be placed on the
bench between station 168+50 to 174+00? This would be the same as previously done on phase 1.

Presplit excavated sandstone may be used as Type A rock channel if the material conforms to CMS 703.19 B.

The completion date set in the proposal is July 31, 2020. Is there any interim completion required for any of the markings? Also, are there
detail sheets/location sheets available for the long line and auxiliary markings?

Project is being revised to provide additional details/location info to bidders. An Addendum is forthcoming.

Ref 0049 Controller Unit Type TS2/A2 with Cabinet Type TS2 as per plan. The plan note on page 4 specifies a NEMA Size 7 cabinet which is
to be pole mounted. The NEMA Size 7 which is 78"H x 44"W x 26"D is intended to be base mounted. An M36 stretch cabinet is available
which may be pole mounted and it will accommodate 3 shelves. Would the stretch M36 cabinet size be permissible?
There is no conduit crossing the street and no overhead power shown per plans. How is the system designed in order to supply power to the other three poles?

The Contractor has asked how the traffic signal system is designed in order to supply power to the other signal poles. The power service is to be supplied as defined in the "632 - Power Service, As Per Plan" note on sheet 4 of the plans, and as detailed on Standard Construction Drawing TC-83.10. The power service drop is shown on Sheet 6 of the plans. The signal cable will be carried along the messenger wire from pole to pole.

The pole bases I was not able to find when looking through the plans. Is there a specific size for the pole bases/anchor bolt requirements?

All strain pole details and requirements, including pole base dimensions, can be found on Standard Construction Drawing TC-81.10. For the pole foundation details, including the anchor bolt details, see Standard Construction Drawing TC-21.20.

-The ADA ramps on all four corners of the intersection. Are there to be ADA safety mats set in? If so is there a specific spec or size?

The ADA Curb Ramps shown in the plans are to be constructed with Detectable Warnings as shown on Standard Construction Drawing BP-7.1. As stated on sheet 3 of this Standard Construction Drawing, approved Detectable Warnings can be found on the Office of Roadway Engineering Service's Detectable Warnings Approved List. http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Approved-List/Pages/default.aspx

-I am inquiring about the catch basin that needs raised on SR170. Page 13 shows existing CB-3A adjust to grade in detail 3. It is also listed CB-3A in detail 1. The line items only list one catch basin to be raised. Are they both to be raised, or just one of them?

The existing CB-3A catch basin shown in Detail 3 on Sheet 13 is to be adjusted to grade, as shown. The existing CB-3A catch basin shown in Detail 1 on Sheet 13 is shown only for information purposes and is NOT to be adjusted. The quantity of one (1) Catch Basin Adjusted To Grade shown on the General Summary is correct.

Is the 6" stone base required under the 6" & 8" Concrete Drives paid under Ref 27 Aggregate Base 304?

Yes, the 304 base is paid for under Item 304 Aggregate Base. No addendum required.

Would an Econolite Cobalt controller be acceptable for pay item 78? Or is the Siemens M60 required for an existing system?

A Proprietary Product Request from the City of Bucyrus has been approved for the Siemens M-60. Econolite units are not acceptable. No Addendum required.

Should pay item 76, 11' pedestal be powder coated black to match the signal supports? If so can an addendum be issued?

Pay item 76, 11' pedestal be powder coated black to match the signal supports. An addendum will be prepared to revise the item description and General Summary.

Please change Ref.#72, Power Cable to 3/C #6 per plan sheet 50/52 in lieu of 3/C #14.

Plans and items will be revised in an upcoming addendum.

Please change Ref.#65 to read "Detector Loop, APP in lieu of Loop Detector Unit.

Plans and items will be revised in an upcoming addendum.

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## Ohio Department of Transportation - Prebid Questions

**Question Submitted:** 4/29/2019 3:03:39 PM  Question Number - 0

Please add a bid item for trench to accommodate the proposed signal conduits.

- **Trenching will not be permitted. The contractor will jack and bore, using Reference 0059, 625E25904, Conduit, Jacked or Drilled, 725.05. No Addendum needed.**

**Question Submitted:** 4/29/2019 8:54:40 AM  Question Number - 0

Please extend the completion date of subject project. The signal supports for this project would not be available until at least the first part of December 2019 with the current manufacturer lead times.

- **The completion date has been reviewed by District staff and agree the completion date is quite aggressive. Therefore, a forthcoming addendum will move the completion date several months into calendar year 2020.**

### Project No. 190308

**Sale Date - 5/23/2019**

- **D03-106419 - GR FY2019 NHS**

**Question Submitted:** 5/9/2019 6:18:38 AM  Question Number - 0

Concerning inlet no 3. Is the intent to only build the wall section over an existing inlet? If a new inlet is required do you have any information flow line, grate elevations, etc. If a new inlet is required will there be a need for some conduit to connect to existing, also there will be a need to add a inlet removal item. By standard drawings will end anchors be required on each side of the inlet? If so please increase pay item for end anchors and reduce footage for d wall.

- **The intent for the inlet is to bridge the existing inlet. There will be no inlet removal or replacement on this project. The District will investigate the need for anchors on each end of the inlet. If a need is presented, an addenda will be issued.**

### Project No. 190310

**Sale Date - 5/23/2019**

- **D12-98832 - GR FY2019**

**Question Submitted:** 5/10/2019 12:38:16 AM  Question Number - 0

The proposed guardrail in some locations is being placed in very close proximity to high voltage underground transmission lines. The utilities that own these lines should be exposing these underground lines to confirm their exact location. It is much too dangerous for the contractor and ODOT personnel for the guardrail contractor to attempt to locate these extremely high voltage power lines when the utilities don't have accurate information of the precise location, depth and number of lines that will be encountered.

- **An Addendum is forthcoming.**

### Project No. 190311

**Sale Date - 5/23/2019**

- **DAR-104009 - US 127-14.20**

**Question Submitted:** 5/16/2019 1:05:37 PM  Question Number - 0

REF. 58 - LIGHT POLE CONVENTIONAL AT30B40 it has been brought to our attention that a 30' bracket arm with a 40' support height exceeds the maximum allowable weight for the breakaway transformer base. Engineering advised that a 25' bracket arm (AT25B40) with a support height of 40' can be mounted on a breakaway t-base. Please revise this bid item accordingly. Thank you.

- **The pay item will be revised to utilize a 25' bracket arm in a forthcoming addendum.**

**Question Submitted:** 5/7/2019 3:07:42 PM  Question Number - 0

We've seen where the controlling % of work has been reduced to 40% on this project, while this is helpful, with DBE and the variety of items that is still difficult for any one bidder to achieve, a reduction to 30% would be extremely helpful.

- **The Work Type Percentage Performed by Prime is being reduced to 30% in an upcoming addendum.**

**Question Submitted:** 5/1/2019 3:07:42 PM  Question Number - 0

With the large variety of work types involved in this project, would the District consider reducing the percentage performed by the prime? We feel it would need to be reduced to 25% in order for any prime to control the project.

- **The Work Type Percentage Performed by Prime is being reduced from 50% to 40% in an upcoming addendum.**

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Saturday, May 25, 2019 4:56:00 PM  Page 4
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**Project No. 190312**

FUL-92126 - US 20A/SR 66-03.01/07.09 Resrf/Crvrt

**Question Submitted:** 5/21/2019 1:54:19 PM  Question Number - 0

General summary lists Guardrail, Type MGS as per plan and references Sheet 15. I find no plan note on sheet 15 that explains the as per plan guardrail?

**Bid as is. The APP note was supposed to change the posts from wood to steel.**

**Question Submitted:** 5/13/2019 1:21:22 PM  Question Number - 0

See Plan Sheet 16, "Pavement Restoration for Pipe Installations/Removals". This note indicates that pipes will be removed at Sta 348+48 and 519+00, as well as concrete pavement removed and 301 asphalt base to be installed. However, I find no plan sheets showing any of the described work. Please explain.

**This note is referencing areas of roadway where culvert’s were previously removed by ODOT forces and the trench for removal was filled with concrete to restore the roadway. The intention of this note is to provide materials for the removal of the top 12” of concrete and replace with 12” of Item 301- Asphalt concrete base prior to resurfacing.**

**Question Submitted:** 5/10/2019 9:28:31 AM  Question Number - 0

The plan note on Sheet 18 regarding the drainage structures mentions that the 2 structures may not be worked on concurrently. However, there are several county roads between the 2 structures that will provide ingress and egress to properties located between the structures. Also, a separate 60 day closure on each structure will extend the duration of the interruption to the traveling public.

**Still discussing the issue internally. Expect a final answer very shortly. See issued addendum.**

**Project No. 190313**

HAM-98769 - CR 251-00.64 Blue Ash Road

**Question Submitted:** 5/24/2019 9:19:44 AM  Question Number - 0

what size are the bumper blocks to be?

**The size of the parking blocks shall be per Standard Construction Drawing RM-6.1.**

**Question Submitted:** 5/7/2019 9:06:27 AM  Question Number - 0

Can you clarify the what is to be included or required in bid items #89-101 Lead service line replacement? It appears these water services are included in bid item #77. The City of Cincinnati website noted on plan page 85/115 does work.

**Bid Item #89-101 Lead service line replacement include replacement of the service line on private property if the owner chooses to replace the line. See note on Sheet 85A. The City of Cincinnati website of Sheet 85 is revised. See forthcoming addendum.**

**Question Submitted:** 5/3/2019 1:06:59 PM  Question Number - 0

Is filter Fabric required for item #37 6” Conduit Type B, Underdrain? Could an explanation be given for item #38 Drainage Connections?

The plans say to see sheet 8, sheet does not have the explanation.

**Filter fabric is not required for item #37 6" Conduit Type B, Underdrain. Item #38 - 6” Conduit, Type B, for Drainage Connection has been revised to 6" Non-Perforated Corrugated Plastic Pipe, Including Specials. Detail can be found on sheet 6. See forthcoming addendum.**

**Question Submitted:** 5/3/2019 10:00:57 AM  Question Number - 0

Shouldn’t item #12 Granular Material be the same quantity as item #11 Excavation of Subgrade? It appears that the quantity has been doubled.

**The granular material quantity will be revised to match the excavation of subgrade. See forthcoming addendum.**

**Question Submitted:** 5/1/2019 9:49:39 AM  Question Number - 0

On sheet 30 for item 301, Asphalt Concrete Base, PG64-22, a quantity of 430 CY comes from sheet 8; however, there is no note for this item on sheet 8. Where is this 430 CY coming from?

**The 430 CY quantity has been removed. See forthcoming addendum.**

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**Ohio Department of Transportation - Prebid Questions**

**Project No.  190314**  
JAC-91577 - SR 124-(23.02)(23.37)

**Question Submitted:** 5/22/2019 7:40:00 AM  
Are there plans available for the existing bridges?

**Question Submitted:** 5/20/2019 2:51:28 PM  
For Reference Item 32 PAVEMENT REPAIR would ODOT please provide a more complete description of "how deep & wide" the contractor will be repairing? This item is usually in Cubic Yards instead of Square Yards. And ODOT has a quantity of 50 CY of Type 1 Surface but no quantity for any base asphalt!

**Question Submitted:** 5/20/2019 11:04:53 AM  
Ref# 58 should be in CY not SY. I came up with 10cy.

**Question Submitted:** 5/20/2019 10:45:13 AM  
Ref#44 qty seems too high. I came up with 21cy.

**Question Submitted:** 5/6/2019 9:17:54 AM  
is the completion date of 8/31/19 correct for this project?  
**yes**

**Question Submitted:** 5/1/2019 10:38:10 AM  
After talking to two precast suppliers, The chance of having boxes delivered in time is slim. The completion date of 8/31 is not obtainable on this project. Please consider extending the completion date for this.

  **The department feels the completion date is attainable. Please bid as is.**

**Project No.  190316**  
LOR-102874 - SR 113-11.66

**Question Submitted:** 5/21/2019 2:52:00 PM  
On sheet 10, guardrail and barrier details, concrete median is shown being put back where ever it is removed. Where there is quantity for the barrier to be put in, that median is still included to also be put in. The typical sections show one or the other. Should that median quantity be adjusted?

**Question Submitted:** 5/17/2019 9:04:27 AM  
Bid Item 23 - Concrete Median is listed as a CY unit item. Is this supposed to be in SY?  
  **This item will change from CY to SY in the forthcoming addendum.**

**Project No.  190317**  
LOR-84829 - SR 301-26.67

**Question Submitted:** 5/20/2019 11:42:55 AM  
It appears that the pavement cannot be installed per 451.07 paragraph 6 as traffic will need to be maintained in the adjacent lane to the lane under construction. please advise how the contractor is to place its concrete with traffic next to the constructed lane.

  **Thru traffic is being detoured for this project and only local traffic is to be maintained for residents and a couple of possible businesses on the northern portion of the project. Limited, short-term closures for the concrete placement operation only will be permitted in the traffic maintained northbound lane at the discretion of the project engineer. No addendum required.**

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Ohio Department of Transportation - Prebid Questions

Question Submitted: 5/14/2019 8:41:54 AM  Question Number - 0

Please provide information on the kind of existing Type B pipe.

According to the previous set of construction plans from 1980, the Type B pipes ranging from 12-18" consisted of either material conforming to 706.01 (non-reinforced concrete pipe) or 706.02 (reinforced concrete pipe). Type B pipes ranging from 21-66" consist of material conforming to 706.02 (reinforced concrete pipe).

Question Submitted: 5/13/2019 10:43:29 AM  Question Number - 0

Sheet 9/75 Maintaining Traffic Residential Drives, Commercial Drives, & Avenues reference the use of existing/new pavement, or Item-410 Traffic Compacted Surface. Will the department create a line item for 410-Traffic Compacted Surface?

Two line items for Item 410 - Traffic Compacted Surface already exist in the plans, reference numbers 0059 and 0060. These two line items are to be used for maintaining the drives throughout the project during construction. The quantity of line item 0059, Item 410 - Traffic Compacted Surface, Type A or B will be increased via an upcoming Addendum from 275CY to 350CY.

Question Submitted: 5/8/2019 10:26:39 AM  Question Number - 0

Sheet 8/75 Item 203-Excavation states that 3,297 CY is provided is provided in the General Summary as carried from the cross section sheets for excavation. Does this quantity include the existing agg. base?

It appears that the existing aggregate base subgrade area is being accounted for under both Item 203 - Excavation and Item 204 - Excavation of Subgrade. The quantity of Item 203 - Excavation will be reduced due to the overlap in quantities. The quantity of Item 204 will remain unchanged, whereas, the quantity of Item 203 - Excavation will be reduced to a total of 961 CY. An addendum will be issued to correct the quantity of Item 203 - Excavation to remove the portion of the excavation that is being performed under Item 204 - Excavation of Subgrade.

Question Submitted: 5/8/2019 10:14:25 AM  Question Number - 0

Due to the Walker Rd. intersection having QC1 concrete (7-day cure time per 451), and Northbound traffic maintained on SR 301; Would the department consider extending the Walker Rd. closure past 14 Days? Or would the Department consider changing the QC1 concrete to QCMS?

The Construction and Material Specifications (CMS) 451 states that QC1 concrete can be opened to traffic after 5 days as long as the modulus of rupture has reached 600 psi. The District and City agrees that the 14 day closure for Walker Road, while maintaining one lane of northbound traffic on SR-301, is aggressive and will issue an addendum to allow for Walker Road to be closed one-time for a duration not to exceed 21 days. An addendum will be forthcoming to revise the one-time Walker Road closure duration from 14 days to 21 days.

Question Submitted: 5/7/2019 4:05:39 PM  Question Number - 0

Please provide additional detail on what the Department’s intent is for Item # 12 “Excavation of Subgrade”.

The intent of the Excavation of Subgrade item is to remove the existing aggregate base along the entire project as well as remove the unstable material (undercut 12") around the Walker Road intersection as shown in the typical sections on plan sheet 5/75. No addendum required.

Project No. 190320  Sale Date - 5/23/2019
MAR-103346 - S. Greenwood Street

Project No. 190323  Sale Date - 5/23/2019
ROS-97178 - US 50-21.91 Safety

Question Submitted: 5/10/2019 9:59:05 AM  Question Number - 0

Can the completion date be changed to Nov. 15th, 2019?

The Department has evaluated the work to be performed and the completion date will be revised to October 15th, 2019.

Question Submitted: 5/22/2019 3:24:04 PM  Question Number - 0

Please clarify if the contractor is to furnish and install the signal supports per the proposal, or install only per the plan note on sheet 96/126.

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Ohio Department of Transportation - Prebid Questions

**Question Submitted:** 5/22/2019 11:06:05 AM  Question Number - 0

Reference 253 Preemption Receiving Unit specifies a quantity of 2; however, the plan indicates a total of 4 2-way detectors, 2 per intersection. Please clarify. Reference 262 Preemption as per Plan (Opticom) is described in the plan note on page 99 as follows: The Preemption shall be Model #3100GPS antenna for intersection Equipment and #2100 for vehicle equipment. Please clarify the number of Opticom #2100 vehicle units that are to be provided with each Ref 262 pay item or the total number of vehicle units desired for the project. The City of Chillicothe has over 50% of the operational intersections equipped with Opticom. For continuity and consistency would the project qualify for sole source Opticom Brand Preemption equipment?

**QuestionSubmitted:** 5/22/2019 8:50:43 AM  Question Number - 0

Addendum No. 1 provides a 2020 start date of April 1 and completion of July 15. Plan note on sheet 12 requires that all existing lanes be open for both Memorial Day and Fourth of July. Are we meant to schedule operations to have all 4 lanes open for these dates with traffic maintenance items removed; temporary striping removed and permanent in place? Then at holiday completion putting all back in place?

**Question Submitted:** 5/20/2019 2:17:58 PM  Question Number - 0

Ref 0028, Can any additional details for the 1-1/2" two rail guardrail be provided? Such as post spacing, splice details, max. section length.

**Question Submitted:** 5/20/2019 1:52:28 PM  Question Number - 0

Please clarify the note for Ref.#239, Power Service, on sheet 97/126. The last paragraph states the contractor is responsible for all power company charges and fees to the power company to obtain power. This would be impossible for the contractor to price in their bid. Furthermore, ODOT Specification 632.24 states this cost shall be borne by the maintaining agency.

**Question Submitted:** 5/20/2019 11:11:32 AM  Question Number - 0

For the 444 LF, of 1.5" Galvanized Two Rail Guardrail, can you please provide more details? On page 10, the plans only show a cross section. How are the sections supposed to connect to each other? What kind of mounting plates are required? What is the material of the pipe? What is the spacing of the posts?

**Question Submitted:** 5/20/2019 10:19:04 AM  Question Number - 0

Luminaire, Conventional, As Per Plan, 250W HPS, 120V (Pg. 102/126) - The plan note calls for a GE M-400 with photometric distribution. GE doesn't supply those High Pressure Sodium fixtures anymore. Please advise if GE's ERLH LED Cobra Head fixture with 111 Watts / 12,500 Lumens - Type III distribution - 30K Color Temp - PE with Control - Internal Bubble Level - Tool-Less Entry - IP66 Optical and Enhanced Surge Protection would be considered an approved equal to what is specified in the plans.

**Question Submitted:** 5/17/2019 2:43:05 PM  Question Number - 0

The traffic signal quantities were not carried from plan sheet 102 to the proposal. Please revise.

**Question Submitted:** 5/9/2019 3:37:37 PM  Question Number - 0

the plans have a portion for signal work and there are no quantity's set up for any signal work. Also the ODOT number on some of the plans have a different odot number ROS-50-21.49 instead of ROS-50-21.91..Please advise

The signal quantities are shown on Sheet 102/126. The project is ROS-50-21.91. The consultant mislabeled the project description on some sheets.
Plan sheet 170 shows two drainage runs to be replaced off ramp F outside shoulder. Which phase is this work to be performed?

The work is not tied to any other work and so it has not been included with any particular phase. Bridge is 39’ and will accommodate 2 reduced ramp lanes and a zone for connecting the proposed pipe to the existing pipe.

Drawing 330/584, how long are the 4 additional X1401 bars at each tie back

The horizontal waler reinforcing shown in Section C on sheet 330/584 is continuous. The vertical Y603 bar is to be at 12” maximum spacing. Sheet 330/584 will be revised to clarify.

Please advise the weight per each of the four each, Ramp D, FWD Abutment Girder Anchorages.

The estimated steel weight of each bracket is 800 pounds (excluding the weight of anchor bolts/rods).

Please make the flow rates available for the existing 60” Sanitary Sewer so Bypass Pumping can be calculated for the Proposed 72” Sewer.

The sanitary line estimated flow calculations can be found in the Reference Calculations Part 1 folder found here: ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/STA-90973/Reference%20Files/

Can the Phase 3 causeway be removed prior to girder erection of Phase 3 STA-77-0936 right bridge?

No, the Phase 3 causeway shall remain in place until traffic is completely removed from the existing structure (i.e. when traffic is in the Phase 4 MOT phase). Notes on plan sheet 307/584 will be revised to add this clarification.

Reference 423 Item 615 class A temporary pavement is for only filling rumble strips as detailed on sheet 27. Should this be an APP item? Is the restoration of these rumble strips included with reference number 101 rumble strips or incidental to this sy temporary pavement item?

The restoration of these rumble strips is included in the traffic control quantities. These quantities are summarized in the “signing and pavement marking subsummary” (sheet 254) and the “temporary pavement marking replacement” note (sheet 252). Both of these quantities are forwarded to the General Summary and represent a comprehensive replacement of rumble strips affected by this project.

Page 37 shows a quantity of 3,412 sy for the temporary pavement from station 549+05 to 575+00. Please verify this quantity. Also, there are two structures within these station limits.

The temporary pavement quantity was reviewed and the quantity will be revised in a forthcoming addendum.

Is the temporary pavement shown on sheets 63 and 64 to be removed?

This is not part of the shoulder reconditioning and strengthening and needs to be removed at the completion of the project.

Page 36 has a quantity of 2,956 sy and 2,927 sy for the temporary pavement for IR-77 shoulders. Does this temporary pavement need to be removed?

Any temporary pavement that is part of reconditioning and strengthening existing shoulders can remain in place at the completion of the project.

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**Ohio Department of Transportation - Prebid Questions**

*Question Submitted:* 5/22/2019 11:29:33 AM  Question Number - 0

Page 38 shows a quantity of 1,045 sy of temporary pavement also detailed on sheet 74. Pages 151 to 152 indicates this work consists of asphalt planing and variable depth asphalt. Should this work be a separate reference number and an APP item?

  This question will be addressed in forthcoming addendum.

*Question Submitted:* 5/22/2019 11:22:05 AM  Question Number - 0

Page 29 Item 615 includes 856 sy of temporary pavement for reference number 424. Where is this pavement located? Does it need to be removed?

  The temporary pavement is for the crossover detailed on sheet 142, referenced in the note. The temporary pavement should be removed as stated in the note.

*Question Submitted:* 5/21/2019 4:06:44 PM  Question Number - 0

Where does the stay in place sheeting Sx=30 in3/ft for the RA Bridge 30-1487 get paid for? See drawing 528 & 530

  The stay in place sheeting for GRS installation are to be paid for with ITEM 503E11101, COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.

*Question Submitted:* 5/21/2019 1:47:37 PM  Question Number - 0

Please add LS bid items for the 10 foot beam ends painting on the 77-0936 and 30-1487 structures. It should not be incidental to the Steel items.

  Plans and items will be revised in an upcoming addendum.

*Question Submitted:* 5/21/2019 9:30:13 AM  Question Number - 0

Will the sign in sheet for the mandatory pre-bid meeting be posted on the website?

  The sign in sheet and transcript for the mandatory pre-bid meeting can be found here: http://www.dot.state.oh.us/Divisions/ContractAdmin/Contracts/Transcripts/Forms/PBTrans.aspx

*Question Submitted:* 5/20/2019 2:54:41 PM  Question Number - 0

Please post the 404/401 waterway permit.

  The waterway permit special provisions will be added by addendum prior to project sale.

*Question Submitted:* 5/20/2019 9:53:20 AM  Question Number - 0

Please reference sheet 331, plan, and sheets 334/335, cross sections L and K. Plan and sections show the Box Culverts for Phase 3 TAF "required causeway" are to be installed tight to the existing abutment. Currently the weep holes in the abutment are making water.

Please clarify the engineers intent for the existing weep hole drainage.

  The weep holes in the area of the causeway do not currently make much water; they are largely plugged. The causeway was sized assuming full potentiometric head behind the forward abutment (i.e. assumed the weep holes were closed). The existing weep holes need not be accessible or working during or after installation of the causeway. Ensuring contact between the culvert and the forward abutment wall is of importance; there are various methods that may be acceptable in ensuring the contact.

*Question Submitted:* 5/20/2019 9:44:45 AM  Question Number - 0

Reference sheet 331. Phase 3 Causeway-Required limits. There are no definitive limits indicated. Other than scaling, will the engineer define the desired limits for the "as shown" required causeway?

  The middle elevation view (of the forward abutment) on page 336/584 (sheet 38/57 of the shared bridge plans) indicates limits of the required causeway. An existing construction joint in the forward abutment (between the bearings of existing girders “X5” and “X6”) is used as a reference in the elevation view. Per this view, the causeway begins 60’ left (downstream) of the construction joint, and 110’ right (upstream) of this construction joint.
Ohio Department of Transportation - Prebid Questions

**Question Submitted:** 5/17/2019 11:46:50 AM  Question Number - 0
Reference files STAT-90973-Reference give calculations for part 1 "Shared Nimishillen Quantities". In particular, there are cross-section prefixes "NC-" for calculating volumes on bid items 207, 208, and 221-224. Plan sheets 230-236 include channel cross-sections which have alphabetic prefixes. Please provide a common stationing method so engineering calculations are matched up with channel sections so volumes can be verified.

The NC-# is in reference to a Nimishillen Creek CADD Basemap nomenclature. Section A-A in the plans equates to NC-25 in the basemap, Section Y-Y in the plans equates to NC-1 in the basemap. For each decreasing NC-##, one letter is added to the corresponding station. This pattern is consistent throughout.

**Question Submitted:** 5/16/2019 10:00:47 AM  Question Number - 0
The following existing bridge plans were not able to be located on the FTP site. Please make available electronic copies of the existing bridge drawings for the following bridges: STA-30-41443 (under Dueber Ave); STA-62-1882R (Ramp G over IR 77 to 77 NB); STA-77-0908R (77NB Ramp H over 15th Street to 30EB); STA-77-0917R (NB Ramp H over Market St. to 30 EB); and STA-77-0926R (NB Ramp H to 30EB and RR).

The existing plans can be found at ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/STA-90973/Reference%20Files/

**Question Submitted:** 5/16/2019 9:56:47 AM  Question Number - 0
A 45 day closure is mentioned on page 21 for Ramp D in Phase 1 – Step 1 and also for Phase 1 – Step 3. Is this for 45 days for each Step (90 days) or a total of 45 days?

The 45 day closure on page 21 for Ramp D is for each Step (90 days).

**Question Submitted:** 5/15/2019 9:50:29 AM  Question Number - 0
The sheet piling specifications on plan sheet 343/584 state that the section modulus shall be a minimum of 41 cubic inches and the moment of inertia be a minimum of 375 inches to the 4th power. Are both of these minimums per LF of wall? (41 cubic inches/LF of wall; 375 inches to the 4th power/LF of wall) This makes a difference in which sheet pile is used.

Both of the minimum values listed in the plans are per linear foot of wall.

**Question Submitted:** 5/15/2019 9:41:06 AM  Question Number - 0
No existing plans for structure STA-62-1909 were found on the FTP site. Please post.

The existing plans can be found at ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/STA-90973/Reference%20Files/

**Question Submitted:** 5/14/2019 8:05:17 AM  Question Number - 0
Will ODOT allow the use of Glare Screen on ref 433 50'' Portable Barrier?

Yes. The 32” with glare screen is acceptable in lieu of 50” portable barrier wall.

**Question Submitted:** 5/13/2019 12:27:53 PM  Question Number - 0
Can ODOT make the Special Clause information for the Norfolk Southern RR available? The W&LE Information is in the proposal but the NSRR information is not.

NSRR should not be involved with this project. The furthest structure to the north along I-77 with proposed work is STA-77-0949 over Navarre Rd.

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Pay items 15 is for two way signal heads that are being tethered. Note 10 of SCD TC-85.22 indicates that multi-way heads shall not be tethered. Can this be addressed to change these to one way heads or if not a drawing indicating the requirements for a two way tether attachment be provided including single or dual tether point attachments for a diagonal type span. Currently no standard exists to define this requirement.

On page 32 of the plans, there is a steel list that says it is typical for 90 LF of barrier, however the steel list only covers 20 LF according to the elevation view. Which is correct?

REF. 85 - RRFB - The 14' pedestal pole shown for the RRFB Sign Assembly calls for a 20" high hinged door breakaway transformer base. A 20" high aluminum breakaway base does not comply with current FHWA standards. We propose to supply this unit with a pole utilizing a 17" tall aluminum breakaway transformer base per current FHWA standards. Please confirm this change is acceptable to the project and adjust the detail as needed on sheet 50/62.

The cross sections show the existing shoulder beneath the proposed walk. It appears as if there is embankment to fill the area. However there isn’t a quantity to remove the shoulder material. Also the area of curb and beneath the curb doesn’t seem to be included in the excavation quantity. Would you please take a look at the excavation end areas?

REF. 69 - LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN. The plan note's specify an led fixture with 120-277V / 3,600 Lumens, 3000K Color Temp, and Type 3 distribution, and a gray finish. Please advise if GE Lighting's ERL1 Cobra Head fixture - 120-277V - 31 Watts / 3,900 Lumens - Type 3 Distribution - 3000K Color Temp - No PE - GRAY - Internal Bubble Level - IP66 Optical - Tool-Less Entry - Enhanced Surge Protection - ODOT Labeling (GE Part #ERL1-0-04-C3-30-1-GRAY-GILR-143 is considered an approved equal.

Will ODOT consider removing PN555 since the limits of asphalt repaving is very minimal on this job? Additionally for such a small job PN555 carries a hefty cost and will save ODOT money not requiring the use of PN555.

PN 555 shall remain. Please bid accordingly.
Ohio Department of Transportation - Prebid Questions

Question Submitted: 5/14/2019 9:42:59 AM  Question Number - 0
Please re-consider the substructure demolition note as listed on sheet 22/41. Since the existing abutment pile are being cut-off will ODOT allow the contractor to hoe-ram the existing abutments? This is a much more cost effective means of removal especially considering the tight closure time frame. This has been done in many occurrences where piling is to be cut below the existing footer and re-used and the pile has not been damaged in the areas where it is to be re-used.

Sawcuts will be permitted below the top of the existing footers. Even though the top of the existing abutment piling is being removed, there is potential of the hydraulic hoe-ram inadvertently coming into contact with the existing piling which could cause damage to the existing piling that is to be preserved below the cutline elevation specified in the plan. The restriction of no hydraulic hoe-ramtype hammers will remain. See forthcoming Addendum.

Question Submitted: 5/14/2019 9:42:59 AM  Question Number - 0
Project No. 190343  
OTT-102226 - SR 2-18.40 Slope Repair  
Sale Date - 6/6/2019

Sawcuts will be permitted below the top of the existing footers. Even though the top of the existing abutment piling is being removed, there is potential of the hydraulic hoe-ram inadvertently coming into contact with the existing piling which could cause damage to the existing piling that is to be preserved below the cutline elevation specified in the plan. The restriction of no hydraulic hoe-ramtype hammers will remain. See forthcoming Addendum.

Question Submitted: 5/16/2019 2:02:54 PM  Question Number - 0
Project No. 190345  
PER-103898 - MR 172-00.39 Pleasant Street  
Sale Date - 6/6/2019

Yes, we will get the report uploaded to the FTP server. The report also includes some inclinometer data.

Question Submitted: 5/24/2019 10:40:24 AM  Question Number - 0
Project No. 190354  
GRE-108961 - US 35-00.45  
Sale Date - 6/6/2019

Will ODOT provide a steel list for the approach slabs since they are as per plan, not standard.

Question Submitted: 5/24/2019 10:44:34 AM  Question Number - 0
Project No. 190354  
GRE-108961 - US 35-00.45  
Sale Date - 6/6/2019

Yes, we will get the report uploaded to the FTP server. The report also includes some inclinometer data.

Question Submitted: 5/24/2019 10:40:24 AM  Question Number - 0
Project No. 190367  
FRA-96121 - IR 670-00.31  
Sale Date - 6/20/2019

On sheet 9 of 11, refer to the pavement restoration, can the 441 and 301 asphalt pavement be replaced with 6-inches of QC1 concrete around the structure?

Question Submitted: 5/24/2019 10:44:34 AM  Question Number - 0
Project No. 190367  
FRA-96121 - IR 670-00.31  
Sale Date - 6/20/2019

Drawing 7/8 "Culvert Detail" shows a detail regarding a “West Bank of the Scioto River, As defined by FRA 70-7.60”. Can you provide the FRA 70-7.60 document for reference in addition to hydrographs for the Scioto river near the construction area?

Question Submitted: 5/24/2019 10:34:51 AM  Question Number - 0
Drawing 7/8 "Culvert Detail" shows a details regarding a “Dam to be constructed”. Can you include more details on this dam, including but not limited to materials of construction, purpose, dimensions and order in construction sequence.

Question Submitted: 5/24/2019 10:23:20 AM  Question Number - 0
Is there any pre-bid meeting for the project or do we have to contact anybody to schedule a job visit?

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Ohio Department of Transportation - Prebid Questions

**Question Submitted:** 5/24/2019 10:01:07 AM  
**Question Number - 0**

On the bid drawings, sheet 5/8 references boring B-001-0-17 but no boring data is included in the documents. Additionally, sheet 7/8 shows three dots representing top of rock, are those also borings? Can you provide available boring data for the construction area and its surroundings?

**Question Submitted:** 5/21/2019 8:57:59 AM  
**Question Number - 0**

Are performance tests required on production micropiles? If so, how many tests are to be performed? Are these test in compression or tension? How are these tests to be performed being so close to the existing structure?

- **Are performance tests required on production micropiles?** No performance test on production micropiles. Note 12 on sheet 8/8 states that the contractor shall install one sacrificial verification test micropile. The estimated quantities on sheet 4/8 provide a quantity of 1 each for the micropile sacrificial verification test pile and the micropile verification load test. If so, how many tests are to be performed? No performance test on production micropiles. Are these test in compression or tension? Micropile performance test shall be in compression. How are these tests to be performed being so close to the existing structure? Per note 12 on sheet 8/8, the location of the sacrificial test micropile shall be determined by the contractor and approved by the engineer. The location shall be outside the stress influence of the headwall, wingwalls, 60” RCP, and not impact these structures during loading.

**Question Submitted:** 5/21/2019 8:53:05 AM  
**Question Number - 0**

Is there a quantity specified for micropiles and ground anchors to be installed?

- Yes, micropiles and ground anchors are paid for under their respective Special 53000200 items, Lump Sum. See notes on Sheet 8/8 for the design requirements of the micropiles and ground anchors.

**Project No.  190372**  
GRE-107957 - US 35-11.94  
**Sale Date - 6/20/2019**

**Question Submitted:** 5/15/2019 1:21:29 PM  
**Question Number - 0**

Is the RPMs included in the "all work" interim completion date? Typically those are installed once the final pavement markings are complete.

- The RPMs are included in the "all work" interim completion date.

**Project No.  190374**  
JAC-98319 - SR 32-17.58  
**Sale Date - 6/20/2019**

**Question Submitted:** 5/15/2019 1:39:49 PM  
**Question Number - 0**

It appears you are suspending pave operations between the 18.65-19.19 EB & WB (Concrete section). In this area you are calling to remove and replace RPMs. Is this the intent or should this area be omitted from remove and replace qty's? If not how will the existing concrete be corrected from the removal process?

- This will take care of through an addendum.

**Project No.  190382**  
VIN-83779 - SR 93-00.00  
**Sale Date - 6/20/2019**

**Question Submitted:** 5/13/2019 1:10:57 PM  
**Question Number - 0**

This project is calling to place the microsurfacing coarse over the existing RPMs. Then remove old reflector and install a new one. This type of construction has been tried before on chip seal projects and the outcome isn’t the best. 1. The microsurfacing surface course will be around 1/2" thick. This will cause the angle of the reflector to reflect back to the traveling public be at the last minute. The vehicles traveling on this route will see the reflectors “pop” or reflect at the last minute. 2. This will create an area that will hold water during rain and will also prevent the reflector from working as designed. It is best to remove and replace in the new surface course. Please review.

- Please review the note on sheet 4. Item 421 – Microsurfacing, Surface Course, As Per Plan. This note describes the work. No microsurfacing material shall be placed over existing RPM castings.

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Please advise how the NB Entrance Ramp traffic is to be maintained while performing work on the JEF-7-2255 structure? There does not appear to be enough room to safely navigate ramp traffic into lane merges.

Ramp traffic is to be maintained per the pertinent Maintaining Traffic SCDs, which will be added to the plan in a forthcoming addendum.

The contractor has asked for a review of the deck area listed on plan sheet 8 for structure JEF-7-2252 (SFN 4101200). The contractor is correct that the area of 6707 SY is overstated. An addendum will be forthcoming to correct the appropriate bid items.

We will be supplying everything for the Stop Line Radar – Install Only item.

We will be supplying everything for the Advance Radar Detection - Install Only item.

We will be supplying everything for the Unmanaged Switch – Install Only item.

We will be supplying everything for the Ethernet Radio – Install Only item.

There is underground conduit from the median wall to the Park Rd site. There is conduit from the median wall to the Polaris camera; it is attached to the north side of the overpass. There is conduit in the barrier wall on the shoulder to the Gemini cabinet.

No, there will be no planned splices in the barrier wall.
Ohio Department of Transportation - Prebid Questions

**Question Submitted:** 5/14/2019 7:49:07 AM  
**Question Number - 0**

Please clarify where the splice locations are proposed at existing / new camera locations. Will splices occur in the manholes at camera locations?

**Splices will occur in the 32” pull boxes at the camera locations.**

**Question Submitted:** 5/14/2019 7:47:46 AM  
**Question Number - 0**

Is there pipe installed from the barrier wall to proposed camera locations currently in place OR planned to be in place by the camera contractor?

**There is pipe from the barrier wall to the camera locations at the I-71 at I-270 camera, Polaris camera, and Gemini camera. All other devices will need pipe installed on this project.**

**Question Submitted:** 5/14/2019 7:44:45 AM  
**Question Number - 0**

The Level 1 Ecological Survey Report study area between Gemini Pkwy and Bale Kenyon is on the northbound side yet the preliminary fiber optic alignment is on the southbound side within these limits. Please clarify how the alignment through these limits is going to be cleared environmentally.

**These limits were not included in the SME ESR Study however District 6 Environmental Staff reviewed available information in this area and did not find any environmentally sensitive resources besides trees in this segment. If the DBT encounters a sensitive resource (i.e. wetland, stream, etc..) they would need to avoid impacting it during construction. If avoidance is not feasible then the DBT would have to retain a pre-qualified ecological consultant to delineate resources and secure permits as per section 10.6 of Design Build Scope.**

**Question Submitted:** 5/13/2019 10:39:09 AM  
**Question Number - 0**

Please confirm that tie-ins (use of mechanical couplers) in break of pipe along the route are approved per manufacturer guidelines.

**The Department will not allow mechanical connectors at pipe breaks (i.e. continuous runs of conduit required between pullboxes). DB Scope has been revised accordingly via addendum.**

**Question Submitted:** 5/9/2019 3:36:05 PM  
**Question Number - 0**

Are there adder prices for drilling / installing pipe in rock?

**There will be no additional compensation for drilling/installing pipe in rock. The Design Build Scope will be revised via addendum to indicate that Bidders assume upto 5% of Conduit length installation to be in rocky conditions. Any conduit installation in rock that exceeds 5% of the total length of conduit installed would be compensated via a project change order. Perspective Bidders are encouraged to review existing soil boring information along the corridor available thru the ODOT TIMS system at https://gis.dot.state.oh.us/tims**

**Question Submitted:** 5/9/2019 3:34:56 PM  
**Question Number - 0**

Can you please provide roadway plans along all locations where new installation will take place?

**Roadway plans will be added to existing plan files located in Attachment A on the Attachment FTP site. See the following link ftp://ftp.dot.state.oh.us/pub/Districts/D06/Downloads/FRA_DEL_71_Fiber_Install/Attachment_A/**

**Question Submitted:** 5/9/2019 3:33:48 PM  
**Question Number - 0**

I would like to request the GIS files for the existing wetlands, suitable wooded habitat, jurisdictional ditches, and streams.

**GIS files will be added to Ecological Survey Report information in Attachment E on the Attachment FTP site. See the following link. ftp://ftp.dot.state.oh.us/pub/Districts/D06/Downloads/FRA_DEL_71_Fiber_Install/Attachment_E/**

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**Project No. 193002**  
**HAM-106104 - FWW Pump Station**  
**Sale Date - 6/20/2019**

**Question Submitted:** 4/25/2019 1:44:52 PM  
**Question Number - 0**

Part 15.5.1.3.d of the Scope of Services states the pump room is a confined space. Part 5.3 of the Feasibility Study states "the existing air quality sensors are either broken or not calibrated correctly." Will ODOT be supplying the necessary confined space entry equipment for both Site Visit 1 and 2?

**The Contractor/bidder is responsible for providing their own equipment for entry to the combined space.**

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Ohio Department of Transportation - Prebid Questions

Question Submitted: 4/17/2019 11:09:00 AM Question Number - 0
Page 2/35 of the Design Build Scope of Services states the pre-bid meeting date and time is "TBD". Will a pre-bid meeting be scheduled or will there be an opportunity to see the facility?

See forthcoming addendum. No prebid meeting will be held. All bidders are required to visit the site during one of the two dates and times listed below. To be eligible to bid on this project a representative of the prime contractor must visit the site during one of the times listed below and sign in with the ODOT representative. Site Visit 1: Location: On site (Second Street between Vine and Walnut) Date: May 16, 2019 Time: 11am-3pm
Site Visit 2: Location: On site (Second Street between Vine and Walnut) Date: May 30, 2019 Time: 8am-12pm (noon)

Project No. 194020
D12-99996 - BH FY2019 Deck Sealing

Sale Date - 6/20/2019

Question Submitted: 5/22/2019 2:00:10 PM Question Number - 0
Is a second shadow vehicle required, per note 14C, as detailed in MT-95.30 (4/19/19) if the crews' work area is 2 closed lanes wide or is single shadow vehicle allowable as the graphic shows?

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