OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION

ADDENDUM NO. 2
ISSUED MAY 13, 2020

PROJECT NO. 58-20-01

NEW MAINLINE TOLL PLAZA FACILITY
UTILITY BUILDINGS, TOLL BOOTHS & CANOPIES
MILEPOST 49
LUCAS COUNTY, OHIO

ATTENTION OF BIDDERS IS DIRECTED TO:
ANSWERS TO QUESTIONS RECEIVED THROUGH 2:00 P.M. ON MAY 13, 2020

MODIFICATIONS TO THE CONTRACT DOCUMENTS

Plan Sheets:
G000, G001, C103, C104, C105, C106, C107, C108, C109, C110, C120, C121, A410, E101, E102, E103, E104, E106, E107, E110, E111, E114, E116, E117, E122, E123, E124, E125, E126, E131, I101, I102, I103, I104, I105, I106, I107, I108, I109, I111, I112, I113, I114, I115, I116, I117, I118, I119, I120 and I121
-AND-
Plan Sheets Added:
I122, I123, I124, I125, I126, I127, I128, I129, I130, I131, I132, I133, I134, I135, I136, I137, I138, I139 and I140
-AND-
ODOT Standard Drawings:
HL-10.13
-AND-
ODOT Standard Drawings Added:
TC-21.21, TC-81.11, HL-10.11, and HL-60.11
-AND-
Specifications:
107500 and 111235

Issued by the Ohio Turnpike and Infrastructure Commission through Jennifer L. Stueber, Esq., General Counsel.

Jennifer L. Stueber, Esq.,
General Counsel

May 13, 2020
Date

<u>ANSWERS TO QUESTIONS RECEIVED THROUGH 2:00 P.M. ON MAY 13, 2020</u>:

Q#23 Drawing E110 – keynote 2 indicates that fixtures K and the LED signs are circuited to the toll booth panels. The northern canopy lighting plan shows these as being circuited to panel CP1. Which is correct?

A#23 This Addendum No. 2 revises Plan Sheet E110 to change the circuit callout for the K fixtures to the correct booth. The LED signs are circuited to CP1.

Q#25 Is there an electrical lane drawing? I don't see any details of gate controllers, axle lights, flashing pylon lights, etc.

A#25 This Addendum No. 2 replaces Plan Sheets I118 and I121 in their entirety and adds Plan Sheet I122 to show all the devices in the toll lanes. The axle lights were removed with this Addendum No. 2.

Q#26 Drawings I118 and I119 seems to show typical control wiring possibilities for the booths and lanes. Which are applicable to this project?

A#26 This Addendum No. 2 replaces Plan Sheets I118 and I119 in their entirety and adds Plan Sheets I122, I127 and I130 to show the typical lane equipment and the wiring schedules.

Q#27 Is drawing I117 applicable to this project? It conflicts with E102/E103.

A#27 This Addendum No. 2 replaces Plan Sheet I117 in its entirety. Plan Sheets E102 and E103 are correct.

Q#28 Does Transcope mount the LED signs, or do we do that and they provide terminations?

A#28 This Addendum No. 2 replaces Plan Sheets I118 and I121 in their entirety and adds Plan Sheets I127 and I130 to clarify the LED Sign scope. The Toll Collection System (TCS) Integrator will furnish, install, terminate and re-test the wiring for the LED Signs.

Q#29 Please provide detail on the "conduit support bridges" described in notes 4 and 5 on E110. They sound simple enough but they are a steel connection between two freestanding units.

A#29 This Addendum No. 2 has removed the conduit support bridge that is referenced on Plan Sheet E110.

Q#31 Drawing E116 shows a meter socket coming off the transformer. Please confirm that this is what will be required. I would typically expect to see a CT cabinet required. If it is, please indicate where you want that located. Either on a rack by the transformer, or on the side of the building behind MCB1.

A#31 This Addendum No. 2 revises Plan Sheets E102 and E116 to locate the CT cabinet and meter socket on the building.

Q#34 Drawing I102 points at cameras 51/52 and indicates "10' on roof of pedestrian bridge". Is this supposed to be some type of structure that is elevated 10' above the bridge, or are these cameras going to be installed in an accessible location on the side? If it is a structure, is it coming with the prefabricated bridge? Is the camera system supplier providing it, or is the 53-12-01 contract supplying it?

A#34 This Addendum No. 2 added a structural detail on Plan Sheets I111 for the camera support on the pedestrian bridge and removed the "10' on roof of pedestrian bridge" callout from Plan Sheet I102. This Addendum No. 2 added a 4' camera support mount on the pedestrian bridge roof on Plan Sheet I103.

Q#36 Drawings I102/I103 – Gate G-3 shows a card reader, Gate G-1 does not. Is this correct or will access to these be via the antenna system?

A#36 This Addendum No. 2 removed the card reader at Gate G-3 as shown on Plan Sheet I103. The gates are controlled by the E-ZPass antennas.

Q#37 The schedule on I108 indicates cameras 20, 21, 22, 23 to view the gates. These do not show up on I102/I103. Where are these and are they on their own poles?

A#37 This Addendum No. 2 removed the cameras 20, 21, 22, and 23 from the Camera Table on Plan Sheet I108.

Q#38 I114 makes reference to the signing plan for some conduits running to the entry trusses. I115 appears to provide details associated with the signing. I116 shows truss mounted LED signs. G009 doesn't show any truss mounted signs. I'm having a hard time figuring out what details are project specific and what are generic. There are a lot of contradictions relating to the signing. Is there a drawing we should be referencing that takes precedence, or will these be updated with project specific details?

A#38 See the response to Q#28. There are no LED signs on any of the four mainline gantries.

Q#39 I116 shows leaving canopy LED signs. Are these part of the project? They're not shown anywhere else. This drawing doesn't show any entering canopy LED signs that are shown elsewhere.

A#39 See the response to Q#28.

Q#40 Are there canopy mounted scanners on this project? If so, is there a conduit riser?

A#40 This Addendum No. 2 replaces Plan Sheet I118 in its entirety, which adds new lane equipment details, and revises Plan Sheet I114, adding a conduit riser detail.

Q#41 Are there any responsibilities beyond stubbing conduits into the (3) above grade com enclosures shown on E102/E103? Is all conduit and wire from those enclosures to the trusses by the TCS vendor?

A#41 This Addendum No. 2 added new details on Plan Sheets I121 and I126 that clarifies the scope. All the conduit and cabling, unless otherwise noted, is included in the 58-20-01 Contract. All enclosures are provided by the TCS Integrator and installed by the 58-02-01 Contractor.

Q#43 Plan sheet 9/202 shows LED Signs on top of toll booths with cross-hatching defining these as "Toll System Integrator" Contract items. Will OTIC provide additional information as to what is covered under the separate "Toll System Integrator" Contract as well as what the timeframe of that contract will be and its coordination with this contract?

A#43 All tolling equipment, including the LED signs, will be furnished and installed by the TCS Integrator. The Commission anticipates having a TCS Integrator under Contract in June 2020. The TCS Integrator will participate in Construction Coordination activities for this Contract as directed by the Commission. The TCS Integrator will supply the Contractor with all the enclosures, brackets, supports, hardware and wiring as called out in the plans when these items are required for installation by the 58-20-01 Contractor. The bulk of the TCS Integrator work will not occur until the latter part of the 58-20-01 Contract.

Q#45 Drawing C104 indicates a single 30' flagpole (Station 27+09.56, 103.84' L), however specification 107500 section 2.02.B.1 states that the center pole shall be 33' tall and poles on either side should be 30' tall. Is a single 30' flagpole required per plan sheet C104 or 3 flagpoles at various heights as indicated in the specifications?

A#45 This Addendum No. 2 revises Specification Section 107500 to provide only one 30' tall flag pole. Plan Sheet C104 is correct. The revised Specification Section 107500 is included as part of this Addendum No. 2.

Q#46 Plan sheet C110 Storm Sewer Profiles show the following as part of contract 39-20-02 work: DR-13, DR-14, DR-5, DR-5A. Upon checking the 39-20-02 Part B plans (sheets 20/59 and 22/59), none of already-mentioned drainage structures appear to be part of that other project. Please review these and verify if these structures are part of this contract.

A#46 This Addendum No. 2 revises Plan Sheet C110 and requires drainage structures DR-13, DR-14, DR-5, and DR-5A to be constructed as part of Contract 58-20-01. This Addendum No. 2 also revises the drainage structures on Plan Sheet C110 from a CB NO 3A to a CB NO 6.

Q#47 Drawing P403 shows the propane storage tank, vaporizer and piping. What is the scope for the propane tank supplier as shown on the drawing? Will the vaporizer be supplied by the tank supplier also? Is the Commission responsible for the tank etc. costs?

A#47 This Addendum No. 2 removes the vaporizer from this Contract. The Contractor is responsible for providing the supply line from the building to the tank enclosure. The Commission's Propane Vendor will supply the tank and make the final connection to the building supply line. The Commission will further clarify and revise the necessary Plan Sheets in Addendum No. 3.

Q#48 Is it acceptable to construct the toll booths in place on site, in lieu of having them prefabricated and shipped to the jobsite?

A#48 Yes, the toll booths may be constructed on site as long as they meet the intent of the drawings and specifications.

Q#49 I have attached a substitution request form for the Ohio Turnpike Milepost 49 construction project. Control Systems of Ohio is a building automation vendor for the HVAC systems.

A#49 The proposed approved equals have been reviewed and the approval/disapproval action is included in the APPROVED EQUALS CHART below.

Q#50 Plan sheet C102 has notes on Erosion Control/SWPPP calling for this contractor to install, maintain, and remove erosion/sediment controls. Sheets C120 and C121 give SWPPP plans for each side. Each sheet calls out items A-D for catch basin protection, concrete washout area, fuel storage and dumpster, and construction entrance drive as well as notes on temporary seeding. Upon review of 39-20-02 plans, the owner has bid items for some of these requirements paid for under 39-20-02 contract but not all of these requirements. Please identify exactly which of these mentioned items are considered incidental to this project as opposed to 39-20-02.

A#50 All items identified on the SWPPP Plan for Contract 58-20-01 are to be included in the construction of this project. These items have been selected and located specifically for this site and are to be independent of the SWPPP items from the 39-20-02 Contract.

Q#51 Please see attached the information for a substitution request for the above referenced project.

A#51 See the response to Q#8, which notes "As long as the fabricator is certified by an approved manufacturer, they may fabricate the panels. Fabricator qualifications have been clarified. Refer to revised Section 074213.23 – METAL COMPOSITE MATERIAL WALL PANELS."

Q#52 Plan sheet B103 contains a note regarding prefabricated bridge erection that the bridge is to be installed complete over the mainline turnpike to include the concrete deck and architectural details. Plan sheet A204 shows continuous glass window units throughout the pedestrian bridge which brings concerns about including the windows in the bridge erection over the existing turnpike mainline. Please consider allowing the contractor to install window sections after the bridge is in place.

A#52 Because the windows are an inside glazed system, the windows may be installed after the Pedestrian bridge is set in place.

Q#53 Plan sheets C115 and C116 show lane gates in toll islands. Plan sheet A410 shows toll booth gate details, which appear to be the same gate shown on C115 and C116. Are "lane gates" and "toll booth gates" the same item here? Are there also automated vertical lifting gates for the toll booth lanes and if so, where are they called out on the plans?

A#53 This Addendum No. 2 removes Plan Sheet A410 and Specification Section 111235 from the Contract Documents. The TCS Integrator shall furnish and install all the Lift Gates and the Toll Booth Gates. The Contract 58-20-01 scope includes installing the bolts (supplied by TCS Integrator) and furnishing and installing conduits and wiring for both the Lift Gates and the Toll Booth Gates.

Q#54 What diameter and type of pipe is to be used to connect canopy roof drains to catch basins at both EB and WB toll booths?

A#54 The size of the canopy roof drain is shown on Plan Sheet P206 and the type of pipe is specified in Specification Section 221413.

Q#55 There are Fire alarm drawings but no specifications. What manufactures are specified for this project? Is the electrical contractor responsible for the pathways and cabling with the devices furnished and installed by others?

A#55 The Commission will respond to this question in Addendum No. 3.

Q#56 Sheets E102, E103, I102 and I103 appear to be the incorrect scale of 1"=40', they appear to be half scale. Please advise.

A#56 The Commission will respond to this question in Addendum No. 3.

Q#57 Plan sheets C103 and C119 show plan and detail for site 6" sanitary service and 2" water service. Please specify the types of pipe and fitting materials to be used for each.

A#57 The Commission will respond to this question in Addendum No. 3.

Q#58 Regarding 2" Water Service- plan sheet C103 gives a dimension of 300' +/- to a well from the R/W line while sheet C106 shows 298' to stub. Assuming that the 298' to the stub is from the building, this distance is much different than the footage called out on sheet C103. Please clarify the correct footage of new 2" Water Service and where this distance begins and ends.

A#58 The Commission will respond to this question in Addendum No. 3.

Q#59 Sheets C115 and C116 show a single 8" bollard on the same corner of the Toll Booth as a 6" Pipe Guard shown in Detail 1 on Sheet A405. Should the 8" bollard or the 6" pipe guard be installed at this location?

A#59 The Commission will respond to this question in Addendum No. 3.

Q#60 Sheet A405 shows a single 8" Pipe Guard (Reversible Lane Only) to the left of the Toll Booth in Detail 3, however this is not shown on the civil drawings. Which lanes are considered "Reversible Lanes"? Should these be installed per the 8" Bollard details shown on sheet C113 or is there another detail?

A#60 The Commission will respond to this question in Addendum No. 3.

Q#61 Sheet A405 shows a single 6" Pipe Guard at the corner of the ATPM, but no details of the guard are provided. Please provide installation details for this 6" Pipe Guard.

A#61 The Commission will respond to this question in Addendum No. 3.

Q#62 Detail 1 on Sheet A405 shows a single 6" Pipe Guard at the corner of the Toll Booth and references Detail 6. Detail 6 appears to show two vertical pipe guards connected at the top with a horizontal pipe creating a guard around the DATIM. Detail 2 indicates that the DATIM is located in the same position as the ATPM, however the ATPM has an opening of 3' 1-1/2" and the DATIM has an opening of 2' 0- ½". Please clarify the locations of the DATIM, ATPM, and the Pipe Guards.

A#62 The Commission will respond to this question in Addendum No. 3.

APPROVED EQUALS CHART:

The following are modifications to the Approved Equals Chart for this Project with the issuance of Addendum No. 2:

COMPANY NAME	PRODUCT	SPECIFICATION	APPROVAL	Addendum
Scranton Products	Hiney Hiders Partitions	102113.17	Approved	1
Scranton Products	Duralife Lockers	105113	Not Approved	1
Stanley Commercial Hardware	Door Closer	087100	Approved	1
Stanley Commercial Hardware	Locks	087100	Approved	1
Control Systems of Ohio	Direct Digital Control System	230923	Not Approved	2

In addition to the Plan Sheets that required revisions or were added to the Contract Documents due to the questions answered in Addendum No. 2, the remaining Plan Sheets not identified within the answers to Addendum No. 2, whether revised or added, are included with this Addendum No. 2 and incorporated into this Contract.

Changes to the Specifications: Deletions are shown with ~~strikethrough~~ text.
Changes / Additions are shown with ***bold italicized*** text.

Changes to the Drawings: Additions and deletions are indicated with a cloud and revision triangle thus:

Receipt of Addendum No. 2
Project No. 58-20-01 is hereby acknowledged:

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 2 WITH THEIR BID.