OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION

ADDENDUM NO. 2
ISSUED JANUARY 16, 2020

PROJECT NO. 39-20-02 (PART A)
MAINLINE PAVEMENT RECONSTRUCTION
MILEPOST 46.50 TO MILEPOST 50.92
FULTON & LUCAS COUNTIES, OHIO
ISSUED DECEMBER 30, 2019

PROJECT NO. 39-20-02 (PART B)
TOLL PLAZA 49 SITE CONSTRUCTION
MILEPOST 48.8 TO MILEPOST 49.1
LUCAS COUNTY, OHIO
ISSUED DECEMBER 30, 2019

OPENING DATE ***EXTENDED TO***: 2:00 P.M. (EASTERN TIME), ~~JANUARY 27~~ **FEBRUARY 4**, 2020

ATTENTION OF BIDDERS IS DIRECTED TO:
ANSWERS TO QUESTIONS RECEIVED THROUGH 2:00 PM ON JANUARY 16, 2020

MODIFICATIONS TO THE CONTRACT DOCUMENTS

Plan Sheets:
39-18-02A – 24, 42, 78, 109,126, 169, 171, 174, 177, 178, 180, 181, 208, 320, 321, 472 and 474 of 505
39-18-02B – 3, 7, 13, 14, 15, 16, 17, 18 and 30 through 53 of 59 Dated 1-15-2020
-AND-
Bid Schedule of Items and Estimated Quantities Worksheet
Ref. Nos. 7, 11, 20, 105, 114, 267, 268, 271, 272 and 290 of 315
-AND-
EXTENSION OF THE BID OPENING TO 2:00 PM ON FEBRUARY 4, 2020
-AND-
"Subgrade/Base Improvement Report", Rii Project No. N-14-020(11) February 2019,
"Geohazard Exploration Report", Rii Project No. N-14-020(11) July 2019,
58-20-01 Draft Report of Structure Foundation Exploration TP 49 by DLZ 5-22-19,
Environmental Documentation

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

1-16-2020

Jennifer L. Stueber, Esq., Date
General Counsel

ANSWERS TO QUESTIONS RECEIVED THROUGH 2:00 P.M. ON JANUARY 16, 2020:

Q#6 Please see Plan Sheet 18 of 59 Subsummary, Pavement Calculations. Please review the quantity given for CAD Generated Surface Area for the Eastbound Shoulders/Parking Areas. The area of 36,155 sq ft seems to be overstated.

A#6 The CAD generated surface area of 36,155 sq. ft for the Eastbound Shoulders/Parking Areas is confirmed.

Q#11 Bid item 102- there are two runs on the WB side (sheet 208, runs D-41 and D-42) which are to be core-drill connected to an existing 30" concrete pipe. Given the size of cores needed to accommodate the 15" RCP connections, these will most likely damage or destroy the existing 30" pipe. Please consider adding a new manhole at this junction of the new and existing pipes.

A#11 This Addendum No. 2 revises General Summary Sheet Nos. 169 and 171 of 505, Drainage Sub Summary Sheet Nos. 177 and 178 of 505, Plan and Profile Sheet No. 208 of 505 and Cross Section Sheet Nos. 320 and 321 of 505, and revises Reference Nos. 7, 105 and 114 on the Bid Schedule of Items and the Estimated Quantities Worksheet. The quantity for Pipe Removed, Over 24" was revised on Plan Sheet Nos. 169, 177, and 178 of 505. The quantities for 30" Conduit, Type B, 706.02 and Manhole, No. 3 were revised on Plan Sheet Nos. 171, 177, and 178 of 505. Plan Sheet Nos. 208, 320 and 321 of 505 added a manhole, removed and added 30" Conduit, Type B and eliminated the core drilled holes in the existing 30" storm sewer.

Q#12 Please identify and indicate the existing pavement type and pavement thickness for Ramps A, B, C, and D at the old service plazas.

A#12 The existing pavement type for Ramps A, B, C, and D (Part A) at the old service plazas is believed to be similar to the composition of the existing mainline pavement with 10"+/- concrete and 5"+/- asphalt and shoulders with 9"+/- asphalt as shown in the existing typical sections.

Q#13 Please identify and indicate the existing pavement type and pavement thickness for the 2 drive aprons at the Maintenance Building on the WB side of the Turnpike @ stations 1379 and 1382.

A#13 The existing pavement type for the two drive aprons at the Maintenance Building on the WB side of the Turnpike at STA 1379 and STA 1382 is believed to be full depth asphalt. The depth is assumed to be 8" +/-.

Q#14 Please verify that the excavation required for the 2 drive aprons at the Maintenance Building on the WB side of the Turnpike @ stations 1379 and 1382 has been accounted for as it appears that 21.25" inches of pavement is to be placed in this area.

A#14 This Addendum No. 2 revises the Pavement Removed, As Per Plan and Excavation quantities on the General Summary Sheet No. 169 of 505, the Pavement Sub Summary Sheet Nos. 180 and 181 of 505, and Reference Nos. 11 and 20 on the Bid Schedule of Items and the Estimated Quantities Worksheet. An excavation quantity was added to account for the 13.25"+/- under the pavement removed area for the driveway areas. The Pavement Removed, As Per Plan area was shown incorrectly and has also been revised.

Q#15 Please identify and indicate the existing pavement type and pavement thickness for the drive apron EB side of the Turnpike @ station 1383.

A#15 The existing pavement type for the drive apron EB side of the Turnpike at STA 1383 is believed to be full depth asphalt. The depth is assumed to be 8" +/-.

Q#16 Please verify that the excavation required for the 2 drive aprons at the Maintenance Building on the EB side of the Turnpike @ station 1383 82 has been accounted for as it appears that 21.25" inches of pavement is to be placed in this area.

A#16 This Addendum No. 2 revises the Pavement Removed, As Per Plan and Excavation quantities on the General Summary Sheet No. 169 of 505, the Pavement Sub Summary Sheet No. 181 of 505, and revises Reference Nos. 11 and 20 on the Bid Schedule of Items and the Estimated Quantities Worksheet. An excavation quantity was added to account for the 13.25"+/- under the pavement removed area for the driveway areas. The Pavement Removed, As Per Plan area was incorrectly shown and has also been revised.

Q#17 Please consider delaying the bid 1 day to avoid submitting the bid on a Monday. This will allow additional time for material suppliers and subcontractors to provide quotes to Prime bidders on Monday afternoon and evening as opposed to a Sunday. This will tremendously aid Prime bidders in preparing and submitting their best and lowest bids.

A#17 This Addendum No. 2 extends the Bid Opening Date to 2:00 P.M. (Eastern Time), Tuesday, February 4, 2020.

Q#18 Will the contractor be allowed to utilize the drives at MP 48.36 and 48.41 on the north side of the turnpike, and the drive at MP 48.43 on the south side of the turnpike as a means of ingress and/or egress for construction traffic? If the answer is yes where is this to be factored into the bid? Would this be factored in the base bid, in the temporary access deduct alternate, or a new alternate would be established?

A#18 No.

Q#19 Bid item 17- Removal Misc.: Temporary Sheeting Removed - Plan sheet 397 notes that there are a total of 26 panels of PZC-18 sheeting which are to be removed. Please clarify if the sheets need to be removed full depth and if so, how deep the sheets are.

A#19 The General Note on Sheet 22 of 505 states that the PZC-18 sheeting shall be removed, not partially removed. The note further states that the maximum length of each panel is 32 feet.

Q#20 Has the commission conducted a sub-surface geotechnical investigation on the site? If so, could that be provided to the contractors for review of the sub-surface conditions?

A#20 A copy of "Subgrade/Base Improvement Report", Rii Project No. N-14-020(11) prepared by Resource International, Inc., February 2019 has been included in this Addendum No. 2.

Q#22 Will the commission allow the contractor to place and utilize a Portable Asphalt Batch plant within the Commission Right-of Way. If so, please provide the location.

A#22 Yes, this Addendum No. 2 provides the requirements and the location in the General Notes on Sheet No. 24 of 505.

Q#23 Is the use of an MTD (Material Transfer Device) required for paving the lanes into & out of the toll plaza (PART B ONLY, Sta 118+70 to 133+70)?

A#23 Yes.

Q#24 SP103, Paragraph F states that all westbound asphalt paving shall be complete by 10/16/20. Does this exclude the asphalt paving within 39-20-02B Westbound Toll Plaza with the exception of the Pedestrian Bridge Staging Area, Laydown Areas, Parking Areas and Drives as depicted on Plan Sheet 9 of 59?

A#24 Yes, it is anticipated that the 39-20-02B asphalt paving up to the toll plaza concrete and the toll plaza curbs will be performed during the summer of the 2021 Construction Season. This asphalt paving work shall be coordinated with Project 58-20-01, Building and Site Work.

Q#25 SP400.III.E.3.(h) states that the SP404 shall be placed either full width or in 2 parallel lanes. Please describe how you would like the SP404 to be placed in the areas into & out of the toll booths where the pavement is up to 92' wide.

A#25 In addition to the requirements of SP 400, the Contractor shall propose and submit for approval a method by which the number of longitudinal and transverse joints are minimized in all lifts.

Longitudinal joints are to be spaced such that they are not in the wheel path of traffic from the asphalt tapered area to the toll plaza concrete pavement.

Q#26 Our 2018 audited financial statement is dated in 2019. We have an unaudited 2019 financial statement. Will the Ohio Turnpike Commission accept both the 2018 audited and 2019 non audited in lieu of the Contractor's Financial Statement?

A#26 Yes.

Q#27 Ref. Item #58, CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE B-50, AS PER PLAN, defines a bid quantity of 4 each. Reviewing plan sheet 174 of 505, Roadway Sub-summary, defines a quantity of 2 each on plan sheet 207 and reflects a total of 4 each for the sub-summary, which is carried forward to the general summary. The bid quantity appears to be overstated, will OTC please confirm the bid quantity for item #58?

A#27 This Addendum No. 2 revises Roadway Sub Summary Sheet No. 174 of 505 to change the quantity of CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE B-50, AS PER PLAN for Plan Reference BR-9 to 4 each. There is no change in total quantity for this item of work as a result of this Addendum No. 2.

Q#28 Bid item 24- Borrow: by specification 203.02 this is to be material obtained from approved sources outside the construction limits. Will the contractor be able to use onsite excess material from roadway, toll plaza, and detention pond excavation or does this have to be more costly material obtained from outside OTIC right of way?

A#28 Yes, the Contractor is expected to use material from within the Ohio Turnpike Property, such as onsite excess material from the roadway, proposed toll plaza area, the detention pond excavation or below the waste areas as defined on Waste Site Detail Sheets 495 thru 497 of 505.

Q#29 Plan sheet PIS-1 on the slope repair typical says that geotechnical report is available for review in Berea. Can this geotechnical report be made available to contractors online through an addendum?

A#29 A copy of "Geohazard Exploration Report", Rii Project No. N-14-020(11) prepared by Resource International, Inc., July 2019 has been included in this Addendum No. 2.

Q#30 Bid Item 266- Pump Station Removed- can OTIC please provide a detail of the existing pump station?

A#30 This Addendum No. 2 revises the General Note for ITEM 202 – PUMP STATION DEMOLISHED on Sheet No. 7 of 59 to include dimensions of existing concrete structure, 14.3' deep by 6' diameter. The minimum removal limits have also been revised to a minimum of 4' below proposed ditch and break up bottom of structure prior to backfill with clean fill in accordance with ODOT 203.

Q#31 Part B, sheet 13 shows EB toll plaza pavement work to be performed being built up through the SP302 prior to September 30, 2020. Assuming that these limits are from 118+69 through 133+70 (Part B- sheets 19 and 20), then there is a conflict with the Part A maintenance of traffic plan sheet 78 which shows the portable barrier in phase 1 starting at 21+70. Should this PCB taper in phase 1 be extended to the west so that pavement construction on the EB plaza can begin accordingly? Please review the part A MOT plan as it relates to EB part B construction and revise the MOT sheets as required in an addendum.

A#31 This Addendum No. 2 revises Part A Maintenance of Traffic Sub Summary Sheet No. 42 and Maintenance of Traffic Plan Sheet Nos. 78, 109 and 126 of 505 to extend the portable barrier to STA 20+20, 67' RT to avoid conflict with the Contract 58-20-01 staging areas to be constructed in this Contract prior to September 1, 2020 as shown on Part B Sheet 9 of 59 . A note was modified on the Contract Coordination Plans, Sheet 13 of 59 to further describe what portion of SP 302 is to be performed on the Eastbound Toll Plaza prior to the September 1, 2020.

Q#32 Bid item 268- Pavement Removed, As Per Plan- where is the as per plan note?

A#32 This Addendum No. 2 removes "As per plan" from Item Description for Pavement Removed on the Demolition Plan South Site Sheet No. 14 of 59, the Demolition Plan North Site Sheet No. 15 of 59, the General Summary Sheet No. 16 of 59, and Reference No. 268 on the Bid Schedule of Items and the Estimated Quantities Worksheet.

Q#33 Bid item 271- Excavation- please verify that asphalt removal in part B is incidental to this item (sheets 14 and 15) and not bid item 268. Part A has asphalt removal incidental to pavement removed and we wanted to verify this is how part B will be handled.

A#33 Ref. No. 271 for Item No. 203 – Excavation includes all asphalt pavement excavation as incidental in Part B. The quantity for excavation on Sheet No.'s 14 and 15 of 59 were derived from 3D models of existing ground and proposed grade outside of cross section coverage. The quantity shown on Sheet No. 7 of 59 under General Note "Item 203 – Asphalt Pavement Removed" of 8,163 CY is additional excavation of pavement below the limit of proposed grading from 3D models and is included in Ref. No. 271 for Item 203 - Excavation. There is no change in total quantity for this item of Work as a result of this Addendum No. 2.

Q#34 Bid item 290 - 15" Conduit, Type B, 706.02: plan quantity is 24', cross-sectional sheet 48 calls this out at 32'. Which is correct?

A#34 This Addendum No. 2 revises the quantity for SP611 – 15" CONDUIT, TYPE B, 706.02 to 32' on the General Summary Sheet No. 16 of 59, the Sub Summary Sheet No. 17 of 59, and Reference No. 290 on the Bid Schedule of Items and the Estimated Quantities Worksheet. The conduit call-out for SP611 – 15" CONDUIT, TYPE B, 706.02 was revised to add "706.02" on the Cross-Section Sheet No. 48 of 59.

Q#35 On plan sheet 20/505 there are notes pertaining to Item 203 Embankment, As Per Plan, and Item 203 Roadway Excavation and Embankment in the first two columns relating to Sulfate content in the In-Situ soils and specifically excludes A-7-6 and A-7-5 soils from use within the project limits. Without a subsurface geotechnical report, which identifies these soils it is impossible for the contractors to determine if and where these soils are present. Will the Commission provide the geotechnical report for the project? If a Geotechnical report is not available, how are the contractors to proceed with pricing these items?

A#35 A copy of the Draft Report of Structure Foundation Exploration TP 49 by DLZ dated 5-22-19 for of Project 58-20-01 has been included in this Addendum No. 2. Four soil borings were drilled on the existing Service Plaza Properties, two on the north side and two on the south side. The Contractor should assume that the Soils are representative of the entire Service Plaza Properties. Also refer to Responses Q#20 and Q#29.

Q#36 Bid item 267- Concrete Curb Removed: subsummary in Part B calls out 235' in north lot. North lot plan demolition plan sheet shows much more than 235' being removed. Please review and revise quantity as necessary.

A#36 This Addendum No. 2 revises the length of Item 202 - CONCRETE CURB REMOVED on General Summary Sheet No. 16 of 59 and revises Reference No. 267 on the Bid Schedule of Items and the Estimated Quantities Worksheet.

Q#37 On Plan Sheet 3 of 59 in Part B, the Item Legend calls out items #31 thru #36 for various thicknesses of asphalt paving and pavement planing. These items do not appear in any of the provided typicals. What are they for?

A#37 This Addendum No. 2 revises Typical Section Legend Nos. 31 thru 36 on Toll Plaza Sheet No. 3 of 59 to read "Not Used".

Q#38 Bid Ref No 17 "Removal Misc., Temporary Sheeting Removed" what is the approximate depth the sheeting is below grade?

A#38 See Response to Q#19.

Q#39 Has the OTC performed a Jurisdictional Determination to identify any jurisdictional streams and or wetlands on or adjacent to the referenced project? If so, will the Commission identify all jurisdictional streams and or wetlands on or adjacent to this project? Additionally, has the Commission obtained any 401/404 Water Quality Certification / Permits associated with this project? If so, can these be provided to the Bidders?

A#39 Yes, the Environmental Documentation is provided with this Addendum No. 2. The two streams that there identified as waters of the US were Murbach and Beecher Ditches. The Nationwide Permit was obtained for the impacts to Beecher Ditch.

Q#40 Part B Bid Items 271 (Excavation) and 272 (Embankment): the subsummary references quantities on sheet 54, which in turn summarizes cross-sectional volumes from plan sheets 30-54. There are numerous mistakes in the cross-section plan sheets 30-36, most in the omission of volumes between stations from consecutive plan sheets and a one in the calculating of end areas into volumes. Please review these plan sheets and revise excavation and embankment items accordingly.

A#40 This Addendum No. 2 revises the Excavation and Embankment quantities on the Cross-Section Sheet Nos. 30 through 53 of 59 and the General Summary Sheet No. 16 of 59, and revises Reference Nos. 271 and 272 on the Bid Schedule of Items and the Estimated Quantities Worksheet. An Excavation and Embankment Sub Summary Table totaling the quantities by sheet was added to Sub Summary Sheet No. 18 of 59.

Q#41 On plan sheet 472/505, MP 48.95 diagram states 22' Min from top of pavement to bottom of overhead sign support, but the MP 48.96 diagram on same sheet states 17' Min, which is also noted as 17' Min on plan sheet 474/505. Which is correct?

A#41 This Addendum No. 2 revises Plan Sheets 472 and 474 of 505 to clarify 22' Minimum is required.

Q#42 Bid item 280- Seeding and Mulching, 73433 sy: Please provide a breakdown of how this quantity was derived as the cross-sections per Part B plan sheets 29-54 show only part of the quantity, and also verify if the seeding in waste areas in each lot as well as affected shoulders outside of reclamation-constructed roadways (sheet 6) get paid under this bid item.

A#42 In addition to the seeding areas that are provided on the Cross Sections, the remaining seeding quantities were calculated using AutoCAD. The additional seeding quantities extend from the edge of the cross sections to the Construction limits shown on the side and backside of the property. The Construction limits for both sites are shown on Plan Sheets 27 and 28 of 59. These quantities also include 8 feet outside of the pavement reclamation work. If the Contractor elects to use the waste sites as provided in the Part A plans, all requirement of Sheets 495

through 497 of 505 apply. Therefore, all earthwork and seeding quantities will not be paid under the final footprint of the waste areas.

Q#43 Bid item 298- Linear Grading: there are no plan notes in part B for this bid item. Do the same plan notes as the part A Linear Grading, APP item (bid item 41) apply to the part B bid item such as incidental seeding and mulching?

A#43 No, this pay item is not "as per plan". This work item is to follow the CMS 209.

Q#44 Part B plan sheet 9 has notes calling for the contractor to place temporary asphalt wedges over the SP302 at the staging areas adjacent to the staging area. There is no Asphalt for Maintaining Traffic bid item in part B. Will the temporary wedges be paid for under bid item 138 in Part A Asphalt for Maintaining Traffic or will there be similar item added to part B?

A#44 The Commission will respond to this question in Addendum No. 3.

Receipt of Addendum No. 2
Project No. 39-20-02 (Part A & B) is hereby acknowledged:

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

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

DRAINAGE (CONTINUED)

ITEM SPECIAL - PIPE CLEANOUT, SIZE

THIS ITEM SHALL CONSIST OF REMOVING ALL SEDIMENTS, DEBRIS, AND OTHER FOREIGN MATERIALS FROM INSIDE EXISTING CULVERT. THE REMOVAL OPERATION SHALL NOT BE DESTRUCTIVE TO THE INTEGRITY OF THE PIPE OR CULVERT. THE CONTRACTOR SHALL REVIEW HIS CLEANOUT PROCEDURE WITH THE CHIEF ENGINEER AND OBTAIN THE CHIEF ENGINEER'S APPROVAL PRIOR TO PERFORMING THE WORK. ALL REMOVAL MATERIALS SHALL BE REMOVED OFFSITE IN ACCORDANCE WITH ITEM SP 105. ANY DEWATERING WORK REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED UNDER THIS PAY ITEM.

CULVERT OR PIPE CLEANOUT WILL BE MEASURED ON A LINEAR FOOT BASIS. PAYMENT WILL BE MADE AT THE CONTRACT PRICE PER LINEAR FOOT FOR ITEM SPECIAL - PIPE CLEANOUT, SIZE.

THE FOLLOWING LIST IS THE LOCATION, CONDUIT SIZE AND DEBRIS OBSERVED IN THE SPRING OF 2018.

D-3	M.P. 46.45 WB - 48" RCP CULVERT UNDER BRAILEY ROAD NORTH EMBANKMENT, 8" TO 14" DEEP SILT
D-4	M.P. 46.45 EB - 24" RCP CULVERT UNDER BRAILEY ROAD SOUTH EMBANKMENT, 6" TO 9" DEEP SILT
D-24	M.P. 48.3 WB - 48" RCP CULVERT UNDER WEST MAINTENANCE BUILDING DRIVE, 1" TO 6" DEEP SILT
D-25	M.P. 48.4 WB - 48" RCP CULVERT UNDER EAST MAINTENANCE BUILDING DRIVE, 4" DEEP SILT
D-26	M.P. 48.45 WB - 48" RCP CULVERT UNDER FULTON/LUCAS ROAD NORTH EMBANKMENT, 1" TO 4" DEEP SILT.
D-27	M.P. 48.4 EB - 30" RCP CULVERT UNDER ACCESS DRIVE, SILT DEPTH UNKNOWN
D-28	M.P. 48.45 WB - 30" RCP CULVERT UNDER FULTON/LUCAS ROAD SOUTH EMBANKMENT, SILT DEPTH UNKNOWN
M.P.	48.7 - 12' (SPAN) X 6'-3" (RISE) CONCRETE BOX CULVERT, 6" TO 12" DEEP SILT

EXCAVATION IN CHANNEL / DITCH AREAS

MATERIAL WHICH IS EXCAVATED FROM THE CHANNEL / DITCH AREA TO INSTALL NEW CULVERT PIPES AND PRECAST FLARED END SECTIONS, AND WHICH IS NOT SUITABLE FOR USE AS BEDDING, BACKFILL OR EMBANKMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH SP 105 OR IN A WASTE SITES AREA, IF BEING UTILIZED BY THE CONTRACTOR. EXCESS MATERIAL SHALL NOT BE DUMPED INTO OR ADJACENT TO THE CHANNEL / DITCH AREAS.

EXTENDED DETENTION BASIN

THIS PLAN UTILIZES EXTENDED DETENTION BASINS FOR POST CONSTRUCTION STORM WATER TREATMENT. DETENTION BASINS MAY BE USED AS SEDIMENT CONTROL DEVICES DURING CONSTRUCTION. FOLLOWING STABILIZATION OF THE TRIBUTARY AREA, FINAL GRADING OF THE DETENTION BASIN MUST MATCH THE PLANS. THE DETENTION BASIN OUTLET STRUCTURE FOR CONSTRUCTION SEDIMENT CONTROL MUST BE REMOVED AND THE OUTLET STRUCTURE MUST BE MADE TO MATCH THE DESIGN SHOWN IN THE PLANS.

PAVEMENT

SP 302 - BITUMINOUS AGGREGATE BASE, PG 64-22 (2 EQUAL LIFTS)

THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT SP 302 ITEM IN TWO (2) EQUAL LIFTS WHEN SPECIFIED. THE CONTRACTOR SHALL ALSO BE REQUIRED TO APPLY ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.075 GAL./SQ.YD.) PRIOR TO CONSTRUCTING THE SECOND LIFT.

ITEM 252 - FULL DEPTH PAVEMENT SAWING

THE FOLLOWING ITEM HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE BY THE CHIEF ENGINEER TO MAKE TRANSVERSE SAW CUTS WHERE PROPOSED FULL DEPTH PAVEMENT WILL MEET EXISTING PAVEMENT AT THE PROJECT LIMITS, RAMPS AND EXISTING BRIDGES.

ITEM 252 - FULL DEPTH PAVEMENT SAWING	1,000 FT

RESURFACING AT LIMITS OF FULL WIDTH REPLACEMENT

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO MAKE MINOR GRADE ADJUSTMENTS IN THE EXISTING PAVEMENT AT THE FULL WIDTH PAVEMENT REPLACEMENT LIMITS AS DIRECTED BY THE CHIEF ENGINEER.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH)	530 SY
SP 404 - ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 76-22 (FR) (T=1-1/2")	16 CY
SP 404 - ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22 (T=1-1/2")	6 CY
ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.075 GAL /SY)	40 GAL

PAVEMENT PLANING FOR INSTALLATION OF CONCRETE BARRIER, SINGLE SLOPE, TYPE B-50, AS PER PLAN AND CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR VARIABLE DEPTH PLANING FOR THE INSTALLATION OF CONCRETE BARRIER, SINGLE SLOPE, TYPE B-50, AS PER PLAN AND CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATIONS IN THE MEDIAN FROM STA 24+86.7 TO STA 27+53.3. THE PLANING DEPTH WILL VARY FROM 3-1/4" TO 9" AND THE PLANING WIDTH WILL VARY FROM 2'-7" TO 5'-7". THIS WORK SHALL BE PERFORMED AS DIRECTED BY THE CHIEF ENGINEER.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH)	140 SY

ITEM 452 - NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 452, CONSTRUCT THE NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT FOR THE ORT SLABS IN ACCORDANCE WITH THE DETAILS SHOWN ON SHEETS 395 & 396.

PORTABLE ASPHALT BATCH PLANT

IN ACCORDANCE WITH ALL APPLICABLE PORTIONS OF ODOT CMS 107.11, THE USE OF PORTABLE ASPHALT PLANTS WITHIN COMMISSION RIGHT-OF-WAY WILL BE PERMITTED.

THE COMMISSION WILL MAKE AVAILABLE THE INFIELD AREA AT INTERCHANGE 39 OR AT THE EXISTING NORTH OR SOUTH SERVICE PLAZAS (MP 49) AS POSSIBLE LOCATIONS FOR A PORTABLE ASPHALT PLANT. CONTRACTOR IS RESPONSIBLE FOR ANY UTILITIES NEED TO OPERATE THE PORTABLE ASPHALT BATCH PLANT. IN ACCORDANCE WITH ODOT CMS 107.11.C, THE CONTRACTOR IS TO SUBMIT A TRAFFIC CONTROL PLAN TO THE CHIEF ENGINEER FOR APPROVAL WHICH INDICATES THE METHOD OF INGRESS AND EGRESS FROM THE PORTABLE PLANT SITE. ALL INGRESS AND EGRESS POINTS WILL REQUIRE FLAGGERS, WHEN THE SITE IS ACTIVE, TO ENSURE THE SAFETY OF THE TRAVELING PUBLIC AND ENSURE THE SAFE FLOW OF CONSTRUCTION TRAFFIC TO AND FROM THE SITE. ALL PROVISIONS OF SP614 SHALL APPLY.

1

SHEET NO.	REFERENCE ITEM	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4" WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (8" WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW)	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW)	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (8" YELLOW)	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8" WHITE)	SP 614B WORK ZONE WHITE LANE LINE, 4 INCH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH	SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH	SP 614C REMOVAL OF PAVEMENT MARKING	SP 622 32" PORTABLE BARRIER (WITH GLARE SCREEN) (FOR INFORMATION ONLY)	SP 622 32" PORTABLE BARRIER (WITHOUT GLARE SCREEN) (FOR INFORMATION ONLY)	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW	SPECIAL EXISTING CROSSOVER TO BE CLOSED / RE-OPENED
						EACH	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	LUMP
		PHASE 1																						
		EASTBOUND																						
66 - 71	REL	I-80/90	1250+45	1315+50	RT														6,505					
66 - 71	REL	I-80/90	1251+45	1315+50	RT														6,405					
66 - 71	*RLL	I-80/90	1251+45	1315+50	RT														6,405					
66	ELY6	I-80/90	1250+45	1251+45	RT							100							100					
		EB LANE SHIFT #1																						
66 - 67	ELY8	I-80/90	1251+45	1260+00	RT								855						855					
66 - 67	CZMY	I-80/90	1251+45	1260+00	RT																	86		
66 - 67	CHW	I-80/90	1251+45	1260+00	RT									855					855					
66 - 67	CZMW	I-80/90	1251+45	1260+00	RT																	172		
66 - 67	ELW8	I-80/90	1251+45	1260+00	RT					855									855					
66 - 67	CZMW	I-80/90	1251+45	1260+00	RT																	86		
		EASTBOUND																						
67 - 68	PB	I-80/90	1264+50	1268+50	RT	1															400			
67 - 87	PB	I-80/90	1266+50	138+20	RT															25,557				
67 - 71	ELY6	I-80/90	1260+00	1306+95	RT							4,695							4,695					
67 - 71	LLW	I-80/90	1260+00	1306+95	RT		4,695												4,695					
67 - 71	ELW	I-80/90	1260+00	1306+95	RT			4,695											4,695					
68 - 71	ELW	I-80/90	1272+06	1306+90	RT			3,484											3,484					
68 - 71	ELY	I-80/90	1272+06	1306+90	RT						3,484								3,484					
		EB LANE SHIFT #2																						
71	ELY8	I-80/90	1306+95	1315+50	RT								855						855					
71	CZMY	I-80/90	1306+95	1315+50	RT																	86		
71	CHW	I-80/90	1306+95	1315+50	RT									855					855					
71	CZMW	I-80/90	1306+95	1315+50	RT																	172		
71	ELW8	I-80/90	1306+95	1315+50	RT					855									855					
71	CZMW	I-80/90	1306+95	1315+50	RT																	86		
71	ELW8	I-80/90	1306+90	1316+50	RT					960									960					
71	CZMW	I-80/90	1306+90	1316+50	RT																	96		
71	ELY8	I-80/90	1306+90	1316+50	RT								960						960					
71	CZMY	I-80/90	1306+90	1316+50	RT																	96		
		EASTBOUND																						
71 - 72	ELW	I-80/90	1316+50	1328+51	RT			1,201											1,201					
71 - 72	ELY	I-80/90	1316+50	1328+57	RT						1,207								1,207					
72	*ELW	I-80/90 - AI CREEK	1328+51	1330+51	RT											200								
72	*ELY	I-80/90 - AI CREEK	1328+57	1330+57	RT												200							
72 - 73	ELW	I-80/90	1330+51	1335+50	RT			499											499					
72 - 73	ELY	I-80/90	1330+57	1335+58	RT						501								501					
73	*ELW	I-80/90 - SR 64	1335+50	1337+50	RT											200								
73	*ELY	I-80/90 - SR 64	1335+58	1337+58	RT												200							
73 - 86	ELW	I-80/90	1337+50	121+06	RT			16,743											16,743					
73 - 86	ELY	I-80/90	1337+58	121+06	RT						16,735								16,735					
78 - 80	PB	I-80/90	20+20 (1)	43+60	RT	1														2,340 (1)				
SHEET SUB-TOTALS						2	4,695	26,622		2,670	21,927	4,795	2,670	1,710		400	400		84,404	25,557	2,740 (1)	612	268	
TOTALS CARRIED TO MAINTENANCE OF TRAFFIC GENERAL SUMMARY						2	0.89 MI	5.05 MI		0.51 MI	4.16 MI	0.91 MI	0.51 MI	1,710		0.08 MI	0.08 MI		15.99 MI			612	268	

(1) 2,740 = 2,340 + 400

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - MOT SUMMARIES-5 MILES.DWG - MTQ02 - 1/14/2020 2:12:18 PM - JIM COBB

DESIGN AGENCY: Transportation Consultants

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED W.D.B. | DRAWN J.D.C. | CHECKED T.J.H. | IN CHARGE W.D.B.

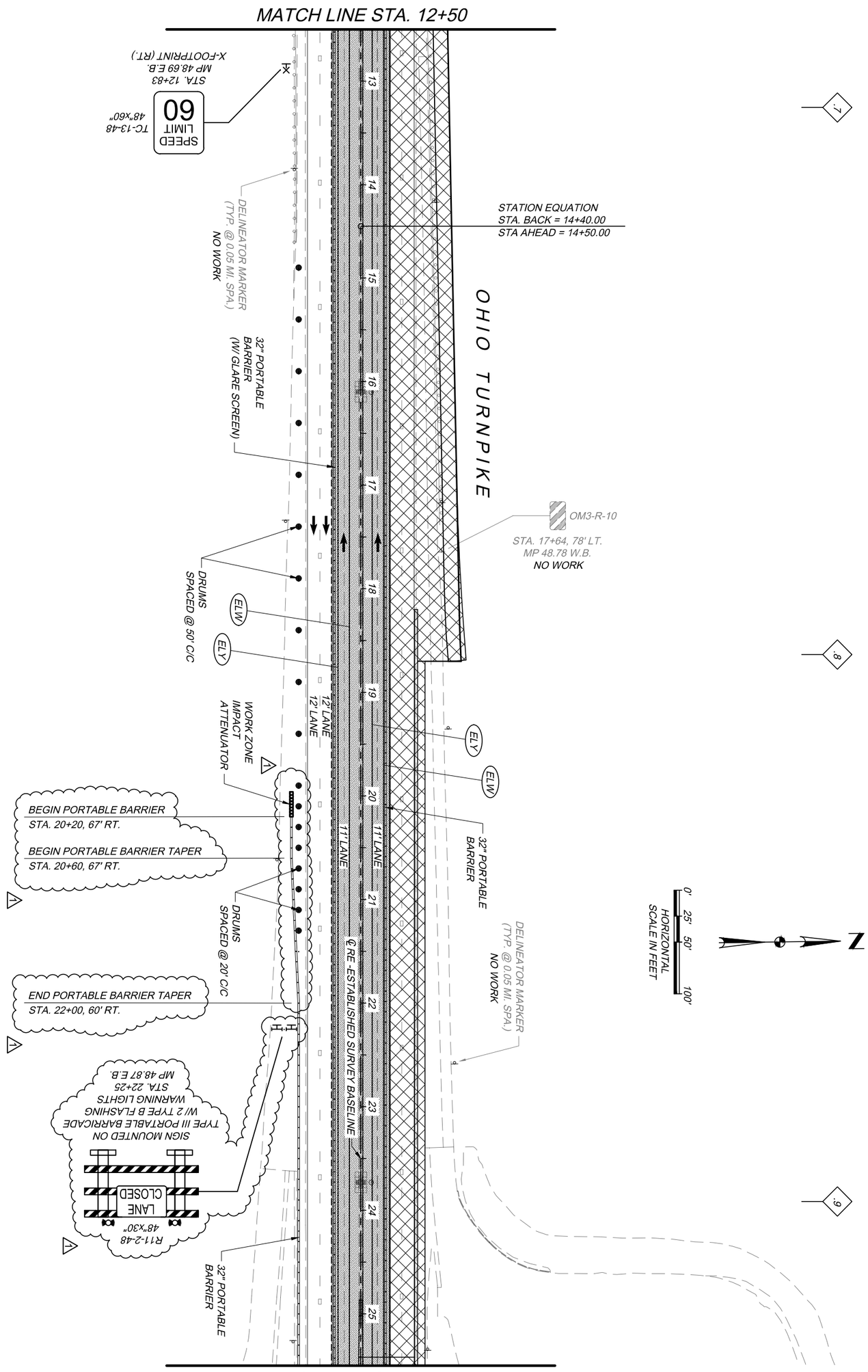
MAINTENANCE OF TRAFFIC
SUB SUMMARY

PROJECT 39-20-02A
DATE: 12/3/19

2 / 10

42
505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION



FOR ADDITIONAL NOTES, EXISTING AND PROPOSED LEGEND, SEE SHEET 51.

MP 48

505 / 78	17 / 37	PROJECT 39-20-02A DATE: 12/3/19	MAINTENANCE OF TRAFFIC PLAN - PHASE 1 STA. 12+50 TO STA. 25+50	DESIGNED W.D.B.	CHECKED T.J.H.	NO.	REVISIONS	BY	DATE
				DRAWN J.D.C.	IN CHARGE W.D.B.	1	ADDENDUM NO. 2	JMP	1/15/2020

DESIGN AGENCY

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

MP 49

.9

49

N

0' 25' 50' 100'

HORIZONTAL SCALE IN FEET

MATCH LINE STA. 19+50

MATCH LINE STA. 32+50

WORK ZONE IMPACT ATTENUATOR (PLACED IN PHASE 1)

DELINEATOR MARKER (TYP. @ 0.05 MI. SPA.) NO WORK

OHIO TURNPIKE

MILE 49 D10-2-12

STA. 30+74. 6 MP 49.03 VI NO WOR

12' LANE
11' LANE

12' LANE
12' LANE

20 21 22 23 24 25 26 27 28 29 30 31 32

℄ RE -ESTABLISHED SURVEY BASELINE

A C B

DRUMS SPACED @ 20' C/C (PLACED IN PHASE 1)

BEGIN PORTABLE BARRIER STA. 20+20, 67' RT.

BEGIN PORTABLE BARRIER TAPER STA. 20+60, 67' RT.

END PORTABLE BARRIER TAPER STA. 22+00, 60' RT.

SIGN MOUNTED ON TYPE III PORTABLE BARRICADE W/ 2 TYPE B FLASHING WARNING LIGHTS STA. 22+25 MP 48.87 E.B.

LANE CLOSED

R11-2-48 48"x30"

DELINEATOR MARKER (TYP. @ 0.05 MI. SPA.) NO WORK

32" PORTABLE BARRIER (PLACED IN PHASE 1)

DRUMS SPACED @ 100' C/C

STA. 30+72. 65' RT. MP 49.03 E.B. NO WORK

MILE 49 D10-2-12

FOR ADDITIONAL MOT NOTES, EXISTING AND PROPOSED MOT LEGEND, SEE SHEET 51.

FOR ADDITIONAL TC NOTES, EXISTING AND PROPOSED TC LEGEND, SEE SHEET 421.

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED W.D.B.
DRAWN J.D.C.
CHECKED T.J.H.
IN CHARGE W.D.B.

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

MAINTENANCE OF TRAFFIC PLAN
WINTER SHUTDOWN PHASE
STA. 19+50 TO STA. 32+50

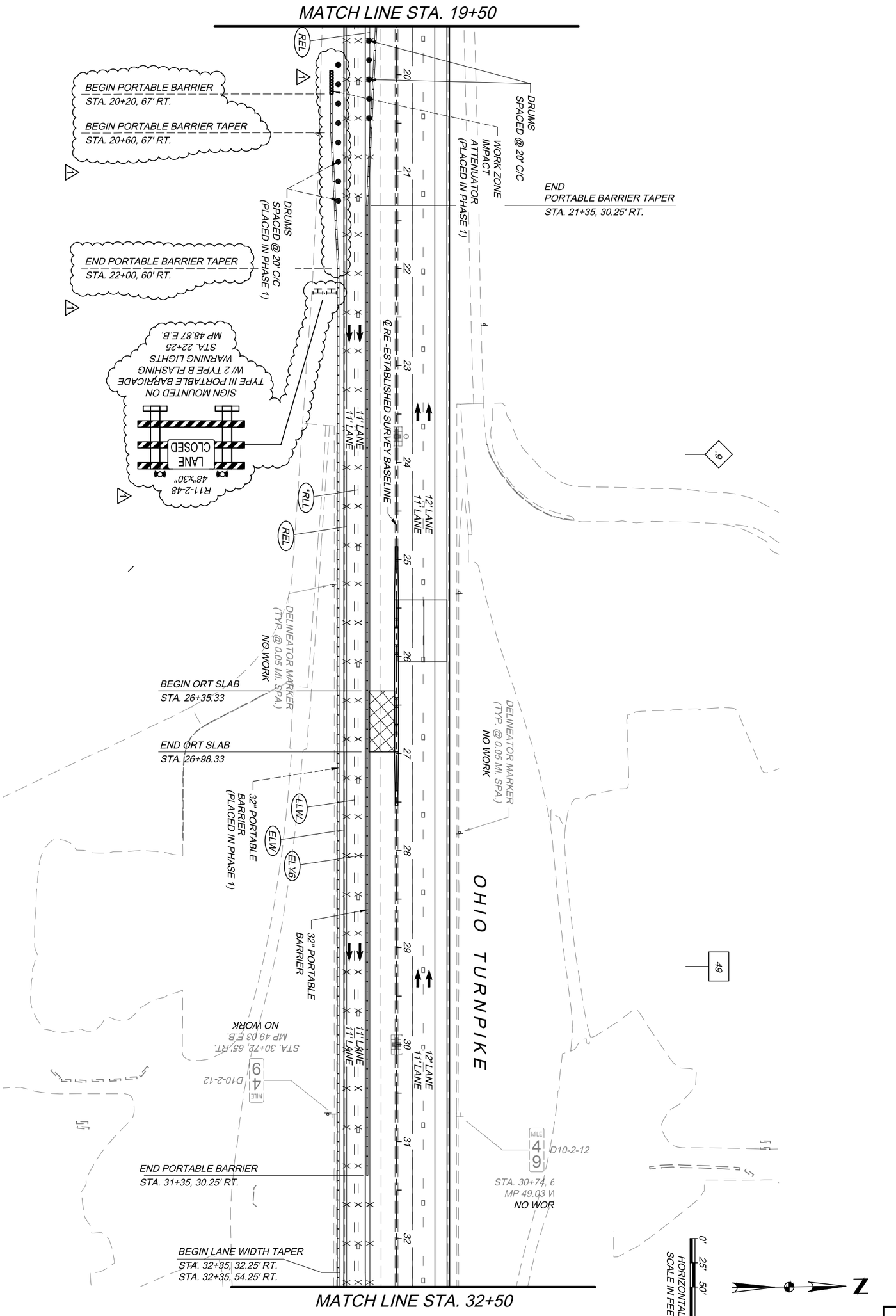
PROJECT 39-20-02A
DATE: 12/3/19

11 / 21

109 / 505

OHIO TURNPIKE

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - MOT PHWS-5 MILES.DWG - MT-P23 - 1/14/2020 2:55:46 PM - JIM COBB



FOR ADDITIONAL MOT NOTES, EXISTING AND PROPOSED MOT LEGEND, SEE SHEET 51.
FOR ADDITIONAL TC NOTES, EXISTING AND PROPOSED TC LEGEND, SEE SHEET 421.

126 / 505	7 / 9	PROJECT 39-20-02A DATE: 12/3/19	MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 2 STA. 19+50 TO STA. 32+50	DESIGNED W.D.B.	CHECKED T.J.H.	NO.	REVISIONS	BY	DATE
				DRAWN J.D.C.	IN CHARGE W.D.B.	1	ADDENDUM NO. 2	JMP	1/15/2020
						-			
						-			

DESIGN AGENCY

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

SHEET NUMBER																	ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
19	20	22	173	174	175	176	178	181	183	396	397	PIS-1									
																				ROADWAY	
1																	201	1	LS	CLEARING AND GRUBBING, AS PER PLAN	19
	119																201	119	EACH	TREE REMOVED, 18" SIZE	
	58																201	58	EACH	TREE REMOVED, 30" SIZE	
	6																201	6	EACH	TREE REMOVED, 48" SIZE	
							44										202	44	EACH	HEADWALL REMOVED	
							2,104										202	2,104	FT	PIPE REMOVED, 24" AND UNDER	
							(135) 1				145						202	(280) 1	FT	PIPE REMOVED, OVER 24"	
							26										202	26	EACH	CATCH BASIN OR INLET REMOVED	
					49,266												202	49,266	FT	FENCE REMOVED	
			13,057														202	13,057	FT	GUARDRAIL REMOVED, AS PER PLAN	20
								1													
								(176,957)		752							202	(177,709) 1	SY	PAVEMENT REMOVED, AS PER PLAN	20
			386														202	386	FT	CONCRETE BARRIER REMOVED	
											2						202	2	EACH	STRUCTURE REMOVED	
	10																202	10	CY	PORTIONS OF STRUCTURES REMOVED, AS PER PLAN	20
			200														202	200	SY	REMOVAL MISC.: CONCRETE CHANNEL REMOVED	22
							1										202	1	EACH	REMOVAL MISC.: STEEL PLATE REMOVED	22
											1						202	1	LS	REMOVAL MISC.: TEMPORARY SHEETING REMOVED	22
							124										SPECIAL	124	FT	PIPE CLEANOUT, 24" DIA AND UNDER	24
							662										SPECIAL	662	FT	PIPE CLEANOUT, 27" TO 48"	24
						83,967		(141) 1									203	(84,108) 1	CY	EXCAVATION	
						16,539											203	16,539	CY	EMBANKMENT, AS PER PLAN	20
		1,800															203	1,800	CY	ROADWAY EXCAVATION AND EMBANKMENT	20
												19,812					203	19,812	CY	EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN	PIS-1
												9,906					203	9,906	CY	BORROW	
												145					203	145	CY	GRANULAR MATERIAL, TYPE C	
												1,873					203	1,873	CY	GRANULAR EMBANKMENT, AS PER PLAN (SHEAR KEY)	PIS-1
												60					203	60	CY	GRANULAR EMBANKMENT, AS PER PLAN (NO. 8 AGGREGATE)	PIS-1
		227															204	227	SY	SUBGRADE COMPACTION	
		178															204	178	CY	EXCAVATION	
												600					204	600	SY	GEOTEXTILE FABRIC, 712.09, TYPE A	
												4,795					204	4,795	SY	GEOTEXTILE FABRIC, TYPE B	
		227															204	227	SY	GEOTEXTILE FABRIC, 712.09, TYPE D	
		216,545															206	216,545	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN	21
		12,000															206	12,000	SY	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP	
		10,280															206	10,280	TON	CEMENT	
		13,470															206	13,470	GAL	CURING COAT, AS PER PLAN	21
		140															206	140	HOUR	TEST ROLLING	
		6,785															206	6,785	SY	PRE-PULVERIZATION, 10 INCHES DEEP, AS PER PLAN	21
		6,785															206	6,785	SY	FULL-DEPTH RECLAMATION, 12 INCHES, AS PER PLAN	21
		2,040															206	2,040	GAL	FULL DEPTH RECLAMATION CURING COAT, AS PER PLAN	21
									42,608								209	42,608	FT	LINER GRADING, AS PER PLAN	20
	2,000																209	2,000	FT	DITCH CLEANOUT, AS PER PLAN	20
		178															SP 304	178	CY	GRANULAR MATERIAL	
				10,135													606	10,135	FT	GUARDRAIL, TYPE MGS, WITH LONG STEEL POSTS	
				15													606	15	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				1													606	1	EACH	ANCHOR ASSEMBLY, MGS TYPE A	
				11													606	11	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, WITH LONG STEEL POSTS	
				7													606	7	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
				15													SP 606A	15	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
				2													SP 606B	2	EACH	IMPACT ATTENUATOR, TYPE 2 (BI-DIRECTIONAL)	

DESIGN AGENCY: Transportation Consultants

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED: J.M.P. | DRAWN: K.P.A. | CHECKED: W.D.B. | IN CHARGE: W.D.B.

PROJECT 39-20-02A

DATE: 12/3/19

GENERAL SUMMARY

1 / 4

169
505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - GENERAL SUMMARY-5 MILES.DWG - 1 - 1/14/2020 8:57:05 AM - KEVIN ABRAMS

SHEET NUMBER																	ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
23	24	178	179	181	183	396	397	PIS-1													
																				DRAINAGE	
		3.4															602	3.4	CY	CONCRETE MASONRY	
			42,536														SP 605	42,536	FT	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")	
			1,707														SP 605	1,707	FT	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (24")	
			48,269														SP 605	48,269	FT	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (30")	
			2,425														SP 605	2,425	FT	6" UNDERDRAIN OUTLET PIPE	
200																	SP 605	200	FT	AGGREGATE DRAIN, TYPE 1, WITH FABRIC WRAP	
200																	SP 605	200	FT	AGGREGATE DRAIN, TYPE 2, WITH FABRIC WRAP	
								255									SP 611	255	FT	4" CONDUIT, TYPE E, 707.31 (TYPE CP)	
								120									SP 611	120	FT	4" CONDUIT, TYPE F, 707.33	
		1,112															SP 611	1,112	FT	12" CONDUIT, TYPE F, 707.33	
		523															SP 611	523	FT	15" CONDUIT, TYPE B, 706.02	
		80															SP 611	80	FT	18" CONDUIT, TYPE B, 706.02	
		126															SP 611	126	FT	24" CONDUIT, TYPE B, 706.02	
		217 (2)															SP 611	217 (2)	FT	30" CONDUIT, TYPE B, 706.02	
							136										SP 611	136	FT	48" CONDUIT, TYPE A, 706.02, AS PER PLAN	22
			75					6									SP 611	81	EACH	PRECAST REINFORCED CONCRETE OUTLET	
		7															SP 611	7	EACH	CATCH BASIN, NO. CB-1	22
		17															SP 611	17	EACH	CATCH BASIN, NO. CB-1, AS PER PLAN	22
		2															SP 611	2	EACH	CATCH BASIN, NO. 6 (1)	
		1															SP 611	1	EACH	CATCH BASIN, AS PER PLAN	22
		4															SP 611	4	EACH	INLET, NO. I-3C (ODOT)	
		2															SP 611	2	EACH	WATER QUALITY BASIN	
		(2) 2															SP 611	(2) 2	EACH	MANHOLE, NO. 3	
		25															SPECIAL	25	EACH	12" PRECAST CONCRETE END SECTION	22
		18															SPECIAL	18	EACH	15" PRECAST CONCRETE END SECTION	22
		8															SPECIAL	8	EACH	18" PRECAST CONCRETE END SECTION	22
		3															SPECIAL	3	EACH	30" PRECAST CONCRETE END SECTION	22
							2										SPECIAL	2	EACH	48" PRECAST CONCRETE END SECTION	22
																				PAVEMENT	
	1,000			45,932		468											252	47,400	FT	FULL DEPTH PAVEMENT SAWING	
	670																254	670	SY	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH)	
				9,975	364												SP 302	10,339	CY	ASPHALT CONCRETE BASE, PG64-22 (SHOULDER)	
				46,100													SP 302	46,100	CY	ASPHALT CONCRETE BASE, PG64-22	
				12,460	4,453												SP 304	16,913	CY	AGGREGATE BASE (SHOULDER)	
				23,883		126											SP 304	24,009	CY	AGGREGATE BASE	
					2,439												SP 304	2,439	CY	AGGREGATE BASE (VARIABLE THICKNESS)	
				2,797	14												SP 402	2,811	CY	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22	
				6,064													SP 402	6,064	CY	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG76-22 (FR)	
	6			2,403	12												SP 404	2,421	CY	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	
	16			5,201													SP 404	5,217	CY	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG76-22 (FR)	
				112,944													SP 404A	112,944	FT	JOINT SEALER	
	40			36,217	313												407	36,570	GAL	NON -TRACKING TACK COAT	
						752											452	752	SY	15-1/4" NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CLASS QC 1, AS PER PLAN	24
					356												SP 627	356	CY	STONE SHOULDER PROTECTION	
					18.35												SPECIAL	18.35	MILE	SONIC NAP ALERT PATTERN	

DESIGN AGENCY: Transportation Consultants

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	JMP	1/9/2020
2	ADDENDUM NO. 2	JMP	1/15/2020
-			

DESIGNED: J.M.P. | DRAWN: K.P.A. | CHECKED: W.D.B. | IN CHARGE: W.D.B.

GENERAL SUMMARY

PROJECT 39-20-02A

DATE: 12/3/19

3 / 4

171 / 505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - GENERAL SUMMARY-5 MILES.DWG - 3 - 1/14/2020 8:57:06 AM - KEVIN ABRAMS

REF NO.	SHEET NO.	STATION TO STATION		SIDE	OUTSIDE/INSIDE	TOTAL LENGTH	606 GUARDRAIL, TYPE MGS, WITH LONG STEEL POSTS	606 ANCHOR ASSEMBLY, MGS TYPE T	606 ANCHOR ASSEMBLY, MGS TYPE A	606 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, WITH LONG STEEL POSTS	606 MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	SP 606A ANCHOR ASSEMBLY, MGS TYPE E	SP 606B IMPACT ATTENUATOR, TYPE 2 (BIDEIRECTIONAL)	608 ASPHALT CONCRETE CURB, TYPE 1, PG64-22	608 CURB, TYPE 4-C	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B-50, AS PER PLAN	622 CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE B-50, AS PER PLAN	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C	622 CONCRETE BARRIER, END SECTION, TYPE C	622 CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE C	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	622 CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN	622 CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE D, AS PER PLAN	SP 626 BARRIER REFLECTOR, TYPE A	SP 626 BARRIER REFLECTOR, TYPE B
		FROM	TO			FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH
GR-1	196	1278+65.3	1282+52.8	L		387.5	312.5			1		1												5	
GR-2	196	1286+62.5	1289+12.5	R		250.0	187.5	1				1												4	
GR-3	200	1322+96.0	1328+96.0	R		600.0	525.0			1		1												7	
GR-4	200	1323+91.1	1328+28.6	L		437.5	425.0	1			1													6	
GR-5	201	1336+78.3	1351+37.5	L		1459.2	537.5			1		1												16	
GR-6	201	1337+64.4	1347+50.0	R		985.6	187.5	1			1													11	
GR-7	203	1362+07.5	1364+95.0	R		287.5	225.0	1				1												4	
GR-8	204	1377+88.8	1378+99.5	L		137.50	112.5	2																3	
GR-9	204	1378+33.0	1382+45.5	R		412.5	350.0	1				1												6	
GR-10	204	1379+63.4	1381+74.1	L		237.50	212.5	2																4	
GR-11	204	1382+39.6	1383+85.5	L		145.9	133.4	1			1													3	
GR-12	205	1383+00.0	1383+82.6	R		137.50	87.5		1	1														3	
GR-13	205	00+64.3	04+01.7	L		337.5	262.5			1		1												5	
GR-14	205	04+29.7	13+16.7	R		887.5	825.0	1				1												10	
GR-15	206	16+20.0	16+50.0	R		30.0							1									1		4	
GR-16	207	33+70.0	37+70.0	L		400.0	350.0					1												5	
GR-17	207	33+70.0	35+45.5	R		175.0	162.5	1																3	
GR-18	208	35+90.0	36+20.0	L		30.0							1											4	
GR-19	208	43+89.3	51+39.1	R		750.0	675.0			1		1												9	
GR-20	208	45+02.2	51+39.5	L		637.3	625.0				1													8	
GR-21	209	51+94.9	56+07.4	L		412.5	337.5			1		1												6	
GR-22	210	67+62.5	74+50.0	R		687.5	625.0	1				1												8	
GR-23	210	70+50.0	77+37.5	L		687.5	625.0	1				1												8	
GR-24	213	100+32.1	103+94.6	R		362.5	287.5			1		1												5	
GR-25	213	104+62.4	112+12.4	L		750.0	675.0			1		1												9	
GR-26	213	104+50.0	108+50.0	R		400.0	375.0	1			1													5	
GR-27	200	1329+92.0	1335+18.5	L		526.5	497.7			1	1													7	
GR-28	200	1330+59.4	1336+04.6	R		545.2	516.4			1	1													7	
BR-1	205	1383+83.5	00+64.9	L		68.00															40	2			2
BR-2	205	1383+82.0	00+49.4	R		54.00															40	1	1		2
BR-3	207	16+50.0	34+20.0	R		1770.0												1628	1	3		2			38
BR-4	207	18+20.0	35+90.0	L		1770.0												1620	1	3		2			38
BR-5	209	51+38.5	51+82.5	R		44.0															30	1	1		2
BR-6	209	51+37.5	51+95.5	L		58.0															30	2			2
BR-7	213	103+94.0	104+52.0	R		58.0															30	2			2
BR-8	213	104+19.0	104+63.0	L		44.0															30	1	1		2
BR-9	207	24+86.7	27+53.3	C		266.7										227	4 (2) (1)								2
C-1	196	1278+67.4	1278+85.5	L		18.1									18.1										
C-2	200	1324+00.0	1328+10.5	L		410.5								410.5											
C-3	200	1326+00.0	1328+77.6	R		277.6								277.6											
C-4	200	1328+77.6	1328+79.9	R		2.3									2.3										
C-5	201	1336+98.6	1349+00.0	L		1201.4								1201.4											
C-6	201	1337+85.8	1347+00.0	R		914.2								914.2											
C-7	205	1383+63.9	1383+82.0	R		18.1									18.1										
C-8	205	00+64.9	00+83.0	L		18.1									18.1										
C-9	209	51+20.4	51+38.5	R		18.1									18.1										
C-10	209	51+95.5	52+13.6	L		18.1									18.1										
C-11	213	103+75.9	103+94.0	R		18.1									18.1										
C-12	213	104+63.0	104+81.1	L		18.1									18.1										
C-13	200	1330+09.9	1330+12.3	L		2.4									2.4										
C-14	200	1330+12.3	1334+97.5	L		485.2								485.2											
C-15	200	1330+79.3	1335+84.3	R		505.0								505.0											
C-16	201	1335+84.3	1335+86.0	R		1.7									1.7										
C-17	201	1336+97.3	1336+98.6	L		1.3									1.3										
TOTALS CARRIED TO GENERAL SUMMARY							10,135	15	1	11	7	15	2	3,795	135	227	4	3248	2	6	200	14	3	175	88

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED J.M.P. | DRAWN K.P.A. | CHECKED W.D.B. | IN CHARGE W.D.B.

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

ROADWAY SUB SUMMARY

PROJECT 39-20-02A

DATE: 12/3/19

2 / 11

174 / 505

OHIO TURNPIKE

H:\2019\180192\DWG\SHEETS-5 MILES\C_180192 - ROADWAY SUBSUMMARY-5 MILES.DWG - ROADWAY - 1/14/2020 8:57:15 AM - KEVIN ABRAMS

REF NO.	SHEET NO.	STATION TO STATION		SIDE	202 HEADWALL REMOVED	202 PIPE REMOVED, 24" AND UNDER	202 PIPE REMOVED, OVER 24"	202 CATCH BASIN OR INLET REMOVED	202 REMOVAL MISC.: STEEL PLATE REMOVED	SPECIAL PIPE CLEANOUT, 24" AND UNDER	SPECIAL PIPE CLEANOUT, 27" TO 48"		601 ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	602 CONCRETE MASONRY	SP 611 12" CONDUIT, TYPE F, 707.33	SP 611 15" CONDUIT, TYPE B, 706.02	SP 611 18" CONDUIT, TYPE B, 706.02	SP 611 24" CONDUIT, TYPE B, 706.02	SP 611 30" CONDUIT, TYPE B, 706.02	SP 611 CATCH BASIN, N0. CB-1	SP 611 CATCH BASIN, N0. CB-1, AS PER PLAN	SP 611 CATCH BASIN, N0. 6	SP 611 INLET, NO. I-3C (ODOT)	SP 611 WATER QUALITY BASIN	SP 611 CATCH BASIN, AS PER PLAN	SP 611 MANHOLE, NO. 3		SPECIAL 12" PRECAST CONCRETE END SECTION	SPECIAL 15" PRECAST CONCRETE END SECTION	SPECIAL 18" PRECAST CONCRETE END SECTION	SPECIAL 30" PRECAST CONCRETE END SECTION
					EACH	FT	FT	EACH	EACH	FT	FT		CY	CY	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH		EACH	EACH	EACH	EACH
D-1	195	1263+98.8		R		34		1								4															
D-2	195	1268+99.3		R					1																						
D-3	196	1277+83.0	1279+07.0	L							124																				
D-4	196	1277+78.0	1279+02.0	R						124																					
D-5	196	1281+90.0		R	1	12							1.33			8													1		
D-6	197	1287+60.0		R	1	8							1.33			8													1		
D-7	197	1293+19.0		R	1	8							1.33			8													1		
D-8	198	1303+19.0		R	1	12							1.33			8													1		
D-9	199	1313+18.0		R	1	8							1.33				8													1	
D-10	199	1321+03.0		R	1	9							1.33				8													1	
D-11	200	1324+00.0		R	1	14							1.33			8													1		
D-12	200	1324+10.0		L	1	41		1					1.33		36					1									1		
D-13	200	1326+08.0		L	1	56		1					1.33		48					1									1		
D-14	200	1326+08.0		R	1	43		1					1.33		38					1									1		
D-15	200	1328+54.0		R	1	80		1					1.33		46					1									1		
D-16	201	1346+90.0		R	1	52		1					1.33		46					1									1		
D-17	201	1346+98.0		L	1	40		1					1.33		34					1									1		
D-18	202	1348+89.0		L	1	46		1					1.33		40					1									1		
D-19	202	1352+02.0		R	1	14							1.33			8													1		
D-20	202	1357+42.0		R	1	12							1.33			8													1		
D-21	203	1364+00.0		R	1	12							1.33			8													1		
D-22	203	1370+59.0		R	1	9							1.33			8													1		
D-23	204	1377+17.0		R	1	9							1.33			8													1		
D-24	204	1378+91.0	1379+41.0	L							50																				
D-25	204	1381+55.0	1382+29.0	L							74																				
D-26	204	1382+61.0	1383+11.0	R							50																				
D-27	205	1383+54.0	0+92.0	L							124																				
D-28	205	1383+56.0	0+90.0	R	1		8				120								4												1
D-29	205	6+50.0	6+50.0	R	1	8																									
D-30	207	25+85.0		R												36							1								
D-31	207	25+74.1	26+40.6	L/R	1	124																									
D-32	207	27+00.0		L												18							1								
D-33	207	33+45.0		R									1.33			82							1					1			
D-34	207	33+45.0	34+50.0	R												105						1									
D-35	207	34+91.0	35+00.9	R			4	1						1.64					68					1							
D-36	207	31+94.0		L									3.33						24											1	
D-37	207	34+13.6	35+34.5	L										1.70				126						1			2				
D-38	208	35+23.7 2	35+36.5	L	1		24 2												77 2								1				
D-39	208	35+36.5	35+81.4	L									3.33						44								1			1	
D-40	208	35+26.9	35+81.4	L	1		99	1																							
D-41	208	35+00.0	35+23.5	L												24							1								
D-42	208	35+23.5	36+50.0	L												126						1									
D-43	209	57+87.0		R		10							1.33			8													1		
D-44	210	68+29.0		R		9							1.33				8													1	
D-45	211	75+21.0		L		8							1.33			8													1		
D-46	211	78+64.0		L		8							1.33				8													1	
D-47	212	85+47.5		L		8							1.33				8													1	
D-48	212	92+29.0		L		24							1.33				24													1	
D-49	213	99+11.0		L		8							1.33				8													1	
D-50	213	103+80.3	104+99.5	L							120		1.33																		
D-51	213	105+93.0		R		8							1.33				8													1	
D-52	214	112+74.5		R		8							1.33			8													1		
D-53	215	120+25.0		L		8							1.33			8													1		
D-54	215	126+95.0		R		11							1.33			8													1		
SUBTOTALS CARRIED TO SHEET 178					24	761	135 2	10	1	124	662		50	3.4	288	515	80	126	217 2	7		2	4	2	1	2 2		8	15	8	3

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	JMP	1/9/2020
2	ADDENDUM NO. 2	JMP	1/15/2020
-			

DESIGNED J.M.P. | CHECKED W.D.B. | IN CHARGE W.D.B. | DRAWN K.P.A.

DRAINAGE SUB SUMMARY

PROJECT 39-20-02A

DATE: 12/3/19

5 / 11

177 / 505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - ROADWAY SUBSUMMARY-5 MILES.DWG - DR-1 - 1/14/2020 8:57:17 AM - KEVIN ABRAMS

REF NO.	SHEET NO.	STATION TO STATION		SIDE	202 HEADWALL REMOVED	202 PIPE REMOVED, 24" AND UNDER	202 PIPE REMOVED, OVER 24"	202 CATCH BASIN OR INLET REMOVED	202 REMOVAL MISC.: STEEL PLATE REMOVED	SPECIAL PIPE CLEANOUT, 24" AND UNDER	SPECIAL PIPE CLEANOUT, 27" TO 48"		601 ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	602 CONCRETE MASONRY	SP 611 12" CONDUIT, TYPE F, 707.33	SP 611 15" CONDUIT, TYPE B, 706.02	SP 611 18" CONDUIT, TYPE B, 706.02	SP 611 24" CONDUIT, TYPE B, 706.02	SP 611 30" CONDUIT, TYPE B, 706.02	SP 611 CATCH BASIN, N0. CB-1	SP 611 CATCH BASIN, N0. CB-1, AS PER PLAN	SP 611 CATCH BASIN, N0. 6 (1)	SP 611 INLET, NO. I-3B (ODOT)	SP 611 WATER QUALITY BASIN	SP 611 CATCH BASIN, AS PER PLAN	SP 611 MANHOLE, NO. 3		SPECIAL 12" PRECAST CONCRETE END SECTION	SPECIAL 15" PRECAST CONCRETE END SECTION	SPECIAL 18" PRECAST CONCRETE END SECTION	SPECIAL 30" PRECAST CONCRETE END SECTION
					EACH	FT	FT	EACH	EACH	FT	FT		CY	CY	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH		EACH	EACH	EACH	EACH
D-55	204	1381+75.0		R	1	8							1.33			8															
D-56	200	1330+35.0		L	1	60		1					1.33		63						1								2			
D-57	200	1331+00.0		R	1	4																								1		
D-58	200	1330+84.0		R	1	70		1					1.33		66						1								1			
D-59	200	1331+25.0		R	1	45																										
D-60	200	1333+00.0		L	1	57		1					1.33		57						1								1			
D-61	200	1333+28.0		R	1	70		1					1.33		64						1								1			
D-62	200	1334+93.0		L	1	92		1							54						1								1			
D-63	201	1335+53.0		R	1	100		1					1.33		58						1								1			
D-64	201	1337+28.0		L	1	90		1					1.33		52						1								1			
D-65	201	1337+91.0		R	1	92		1					1.33		52						1								1			
D-66	201	1339+00.0		L	1	49		1					1.33		49						1								1			
D-67	201	1340+27.0		R	1	50		1					1.33		50						1								1			
D-68	201	1341+00.0		L	1	45		1					1.33		41						1								1			
D-69	201	1342+20.0		R	1	4							1.33																	1		
D-70	201	1342+51.0		R	1	45		1					1.33		47						1								1			
D-71	201	1342+98.0		L	1	45		1					1.33		40						1								1			
D-72	201	1345+17.0		L	1	38		1													1								1			
D-73	201	1345+40.0		L									1.33		34						1								1			
D-74	201	1345+40.0		R									1.33		44						1								1			
D-75	201	1346+90.0		R	1	54		1																								
D-76	200	1328+00.0		L									1.33		53						1								1			
D-77	200	1328+09.0		L	1	65		1																								
D-78	398	131+60.0		L		130																										
D-79	398	132+10.0		L		130																										
SUBTOTALS THIS SHEET					20	1,343		16					23		824	8					17								17	3		
SUBTOTALS FROM SHEET 177					24	761	135 (2)	10	1	124	662		50	3.4	288	515	80	126	217 (2)	7		2	4	2	1	2 (2)		8	15	8	3
TOTALS CARRIED TO GENERAL SUMMARY					44	2,104	135	26	1	124	662		73	3.4	1,112	523	80	126	217	7	17	2	4	2	1	2		25	18	8	3

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 1	JMP	1/9/2020
2	ADDENDUM NO. 2	JMP	1/15/2020
-			

DESIGNED J.M.P. | DRAWN K.P.A. | CHECKED W.D.B. | IN CHARGE W.D.B.

DRAINAGE SUB SUMMARY

PROJECT 39-20-02A

DATE: 12/3/19

6 / 11

178 / 505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - ROADWAY SUBSUMMARY-5 MILES.DWG -- DR-2 - 1/14/2020 8:57:18 AM - KEVIN ABRAMS

MAINLINE STATION TO STATION		SIDE	LENGTH	PAVEMENT WIDTH (AVG)	SHOULDER WIDTH (AVG)	SURFACE AREA	APPROACH SLAB AREA	AREA BY COMPUTER	202	203		252		SP 302	SP 302		SP 304	SP 304			SP 402	SP 402		SP 404	SP 404	SP 404A	407	
									PAVEMENT REMOVED, AS PER PLAN	EXCAVATION		FULL DEPTH PAVEMENT SAWING		ASPHALT CONCRETE BASE, PG64-22 (8") (SHOULDER)	ASPHALT CONCRETE BASE, PG64-22 (12")		AGGREGATE BASE (10") (SHOULDER)	AGGREGATE BASE (6")			ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22 (1-3/4")	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG76-22 (FR) (1-3/4")		ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22 (1-1/2")	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG76-22 (FR) (1-1/2")	JOINT SEALER	NON-TRACKING TACK COAT (APPLIED @ 0.060 GAL /SY)	NON -TRACKING TACK COAT (APPLIED @ 0.075 GAL /SY)
LEFT SIDE (WESTBOUND)			FT	FT	FT	SF	SF	SF	SY	CY		FT		CY	CY		CY	CY			CY	CY		CY	CY	FT	GAL	GAL
1281+00.00	1312+50.00	L	3150.00	19.00		59850			6,650	1		3,150			2,246			1,167				324			278	3,150	399	998
1281+00.00	1312+50.00	L	3150.00		9.00	28350			3,150					700			875				154			132		3,150	189	473
1312+50.00	1328+22.81	L	1572.81	24.75		38928			4,326			1,573			1,457			751				211			181	1,573	260	649
1312+50.00	1328+22.81	L	1572.81		9.00	14156			1,573					350			437				77			66		1,573	95	236
Ai CREEK BRIDGE																												
1330+22.17	1335+13.22	L	491.05	24.75		12154			1,351			492			455			235				66			57	492	82	203
1330+22.17	1335+13.22	L	491.05		9.00	4420			492					110			137				24			21		492	30	74
SR 64 BRIDGE																												
1337+13.01	1373+25.00	L	3611.99	24.75		89397			9,933			3,612			3,345			1,723				483			414	3,612	596	1,490
1337+13.01	1373+25.00	L	3611.99		9.00	32508			3,612					803			1,004				176			151		3,612	217	542
1373+25.00	1374+25.00	L	100.00	24.75		2475			275			100			93			48				14			12	100	17	42
1373+25.00	1374+25.00	L	100.00		9.50	950			106					24			30				6			5		100	7	16
1374+25.00	1383+25.00	L	900.00	24.75		22275			2,475			900			834			430				121			104	900	149	372
1374+25.00	1383+25.00	L	900.00		10.00	9000			1,000					223			278				49			42		900	60	150
1383+25.00	1383+75.00	L	50.00	24.75		1238			138			50			47			24				7			6	50	9	21
1383+25.00	1383+75.00	L	50.00		9.50	475			53					12			15				3			3		50	4	8
1383+75.00	1384+16.60	L	41.60	24.75		1030			115			42			39			20				6			5	42	7	18
1383+75.00	1384+16.60	L	41.60		9.00	375			42					10			12				3			2		42	3	7
STATION EQATION																												
00+30.00	03+60.00	L	330.00	24.75		8168			908			330			306			158				45			38	330	55	137
00+30.00	01+60.00	L	130.00		9.00	1170			130					29			37				7			6		130	8	20
01+60.00	03+60.00	L	200.00		11.00	2200			245					55			68				12			11		200	15	37
03+60.00	05+59.88	L	199.88	41.68				8331	1,125			200			311			158				45			39	200	56	139
05+59.88	14+40.00	L	880.12	12.75		11222			1,247			881			424			225				61			52	881	75	188
STATION EQATION																												
14+50.00	18+20.00	L	370.00	12.75		4718			525			370			179			95				26			22	370	32	79
18+20.00	35+90.00	L	1770.00	12.75		22568			2,508			1,770			853			451				122			105	7,080	151	377
18+20.00	35+90.00	L	1770.00		14.00	24780			2,754						935			492			134			115		1,770	166	413
35+90.00	45+31.51	L	941.51	12.75		12005			1,334			942			454			240				65			56	942	81	201
45+31.51	51+30.00	L	598.49	31.86				19070	2,521			599			712			365				104			89	599	128	318
51+30.00	118+40.00	L	6710.00	24.75		166073			18,453			6,710			6,213			3,200				897			769	6,710	1,108	2,768
51+30.00	118+40.00	L	6710.00		9.00	60390			6,710					1,492			1,864				327			280		6,710	403	1,007
STATION EQATION																												
119+00.00	125+00.00	L	600.00	24.75		14850			1,650			600			556			287				81			69	600	99	248
119+00.00	125+00.00	L	600.00		9.00	5400			600					134			167				30			25		600	36	90
125+00.00	130+96.93	L	596.93	19.00		11342			1,261			597			426			222				62			53	597	76	190
125+00.00	130+96.93	L	596.93		9.00	5373			597					133			166				30			25		597	36	90
RAMP A																												
03+60.00	18+10.29	L	1450.29		13.00	18854								466			582				102			88		1,451	126	315
05+59.88	18+10.29	L	1250.41	18.00		22508			3,175						846			440				122			105	1,251		
05+59.88	18+10.29	L	1250.41	10.57				13221							502			268			72			62		1,251		
118+20.00	118+70.00	L	50.00	18.00		900			211						34			18				5			5	50	6	15
118+20.00	118+70.00	L	50.00	9.00		450									18			10			3			3		50	3	8
118+20.00	118+70.00	L	50.00		13.00	650								17			21				4			4		50	5	11
RAMP B																												
133+70.00	136+29.75	L	259.75	26.00		6754			3,060						253			130				37			32	260	46	113
133+70.00	136+29.75	L	259.75	12.00		3117									118			63			17			15		260	21	52
133+70.00	136+29.75	L	259.75		9.00	2338								58			73				13			11		260	16	39
36+29.15	45+31.51	L	902.36	26.00		23462			1,029						878			452				127			109	903	157	392
36+29.15	51+30.00	L	1500.85		9.00	13508								334			417				73			63		1,501	91	226
36+29.15	45+31.51	L	902.36	15.17				13693							516			271				74			64		903	92	229
DRIVE APRON																												
1378+74.5	1379+59.5	L	85.00		25.00			1144	128	47		35		29			36				7			6		85	8	20
1381+49.1	1382+39.6	L	90.50		25.00			1281	143	53	1	41		32			40				7			6		91	9	22
ADDITIONAL PAVEMENT REMOVED																												
1263+61.00	1269+54.00	C	593.00					11814	1,313																			
134+02.00	140+14.00	C	593.00					11814	1,313																			
SUBTOTALS CARRIED TO SHEET 181									88,231	100	1	22,994		5,011	23,050		6,259	11,943			1,404	3,031		1,206	2,600	56,520	5,229	13,043

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - ROADWAY SUBSUMMARY-5 MILES.DWG - PC-A1 - 1/14/2020 8:57:20 AM - KEVIN ABRAMS

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED	CHECKED
J.M.P.	W.D.B.
DRAWN	IN CHARGE
K.P.A.	W.D.B.

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

PAVEMENT SUB SUMMARY

PROJECT 39-20-02A

DATE: 12/3/19

8 / 11

180 / 505

OHIO TURNPIKE

MAINLINE STATION TO STATION		SIDE	LENGTH	PAVEMENT WIDTH (AVG)	SHOULDER WIDTH (AVG)	SURFACE AREA	APPROACH SLAB AREA	AREA BY COMPUTER	202 PAVEMENT REMOVED, AS PER PLAN	203 EXCAVATION		252 FULL DEPTH PAVEMENT SAWING		SP 302 ASPHALT CONCRETE BASE, PG64-22 (8") (SHOULDER)	SP 302 ASPHALT CONCRETE BASE, PG64-22 (12")		SP 304 AGGREGATE BASE (10") (SHOULDER)	SP 304 AGGREGATE BASE (6")			SP 402 ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22 (1-3/4")	SP 402 ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG76-22 (FR) (1-3/4")		SP 404 ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22 (1-1/2")	SP 404 ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG76-22 (FR) (1-1/2")	SP 404A JOINT SEALER	407 NON-TRACKING TACK COAT (APPLIED @ 0.060 GAL /SY)	407 NON -TRACKING TACK COAT (APPLIED @ 0.075 GAL /SY)
RIGHT SIDE (EASTBOUND)			FT	FT	FT	SF	SF	SF	SY	CY		FT		CY	CY		CY	CY			CY	CY		CY	CY	FT	GAL	GAL
1281+00.00	1312+50.00	R	3150.00	19.00		59850			6,650	1		3,150			2,246			1,167				324				278	3,150	399	998
1281+00.00	1312+50.00	R	3150.00		9.00	28350			3,150					700			875				154			132		3,150	189	473
1312+50.00	1328+67.61	R	1617.61	24.75		40036			4,449			1,618			1,498			772				217			186	1,618	267	668
1312+50.00	1328+67.61	R	1617.61		9.00	14559			1,618					360			450				79			68		1,618	98	243
Ai CREEK BRIDGE																												
1330+67.97	1335+70.29	R	502.32	24.75		12433			1,382			503			466			240				68			58	503	83	
1330+67.97	1335+70.29	R	502.32		9.00	4521			503					112			140				25			21		503	31	
SR 64 BRIDGE																												
1337+70.07	1377+50.00	R	3979.93	24.75		98504			10,945			3,980			3,686			1,898				533			457	3,980	657	1,642
1337+70.07	1377+50.00	R	3979.93		9.00	35820			3,980					885			1,106				194			166		3,980	239	597
1377+50.00	1378+00.00	R	50.00	24.75		1238			138			50			47			24				7			6	50	9	21
1377+50.00	1378+00.00	R	50.00		9.50	475			53					12			15				3			3		50	4	8
1378+00.00	1383+27.50	R	527.50	24.75		13056			1,451			528			489			252				71			61	528	88	218
1378+00.00	1383+27.50	R	527.50		10.00	5275			587					131			163				29			25		528	36	88
1383+27.50	1383+82.00	R	54.50	24.75		1349			150			55			51			26				8			7	55	9	23
1383+27.50	1383+82.00	R	54.50		9.50	518			58					13			16				3			3		55	4	9
1383+82.00	1384+16.60	R	34.60	24.75		857			96			35			33			17				5			4	35	6	15
1383+82.00	1384+16.60	R	34.60		9.00	312			35					8			10				2			2		35	3	6
STATION EQATION																												
00+30.00	01+00.00	R	70.00	24.75		1733			193			70			65			34				10			9	70	12	29
00+30.00	01+00.00	R	70.00		9.00	630			70					16			20				4			3		70	5	11
01+00.00	06+98.49	R	598.49	31.86				19070	2,392			599			712			365				104			89	599	128	318
06+98.49	14+40.00	R	741.51	12.75		9455			1,051			742			358			189				52			44	742	64	158
STATION EQATION																												
14+50.00	16+50.00	R	200.00	12.75		2550			284			200			97			51				14			12	200	17	43
16+50.00	34+20.00	R	1770.00	12.75		22568			2,508			1,770			853			451				122			105	7,080	151	377
16+50.00	34+20.00	R	1770.00		14.00	24780			2,754						935			492			134			115		1,770	166	413
34+20.00	46+70.12	R	1250.12	12.75		15940			1,772			1,251			602			319				87			74	1,251	107	266
46+70.12	48+70.00	R	199.88	41.68				8331	1,357			200			311			158				45			39	200	56	139
48+70.00	118+40.00	R	6970.00	24.75		172508			19,168			6,970			6,454			3,324				932			799	6,970	1,151	2,876
48+70.00	50+70.00	R	200.00		11.00	2200			245					55			68				12			11		200	15	37
50+70.00	118+40.00	R	6770.00		9.00	60930			6,770					1,505			1,881				330			283		6,770	407	1,016
STATION EQATION																												
119+00.00	125+00.00	R	600.00	24.75		14850			1,650			600			556			287				81			69	600	99	248
119+00.00	125+00.00	R	600.00		9.00	5400			600					134			167				30			25		600	36	90
125+00.00	130+96.93	R	596.93	19.00		11342			1,261			597			426			222				62			53	597	76	190
125+00.00	130+96.93	R	596.93		9.00	5373			597					133			166				30			25		597	36	90
RAMP D																												
01+00.00	16+00.85	R	1500.85		9.00	13508								334			417				73			63		1,501	91	226
06+98.49	16+00.85	R	902.36	26.00		23462			2,095						878			452				127			109	903	157	392
06+98.49	16+00.85	R	902.36	15.17				13693							516			271			74			64		903	92	229
116+10.25	118+70.00	R	259.75	26.00		6754			734						253			130				37			32	260	46	113
116+10.25	118+70.00	R	259.75	12.00		3117									118			63			17			15		260	21	52
116+10.25	118+70.00	R	259.75		9.00	2338								58			73				13			11		260	16	39
RAMP C																												
133+70.00	134+20.00	R	50.00	18.00		900			70						34			18				5			5	50	6	15
133+70.00	134+20.00	R	50.00	9.00		450									18			10			3			3		50	3	8
133+70.00	134+20.00	R	50.00		13.00	650								17			21				4			4		50	5	11
34+19.71	46+70.12	R	1250.41	18.00		22508			7,800						846			440				122			105	1,251		
34+19.71	46+70.12	R	1250.41	10.57				13221							502			268			72			62		1,251		
34+19.71	48+70.00	R	1450.29		13.00	18854								466			582				102			88		1,451	126	315
DRIVE APRON										1																		
1382+45.5	1383+25.5	R	80.00		30.00			987	110	41		20		25			31				6			5		80	7	17
SUBTOTALS THIS SHEET									88,726	41		22,938		4,964	23,050		6,201	11,940			1,393	3,033		1,197	2,601	56,424	5,218	12,727
SUBTOTALS FROM SHEET 180									88,231	100		22,994		5,011	23,050		6,259	11,943			1,404	3,031		1,206	2,600	56,520	5,229	13,043
TOTALS CARRIED TO GENERAL SUMMARY									176,957	141		45,932		9,975	46,100		12,460	23,883			2,797	6,064		2,403	5,201	112,944	36,217	

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - ROADWAY SUBSUMMARY-5 MILES.DWG - PC-A2 - 1/14/2020 8:57:22 AM - KEVIN ABRAMS

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

CHECKED W.D.B. | IN CHARGE W.D.B.

DESIGNED J.M.P. | DRAWN K.P.A.

PAVEMENT SUB SUMMARY

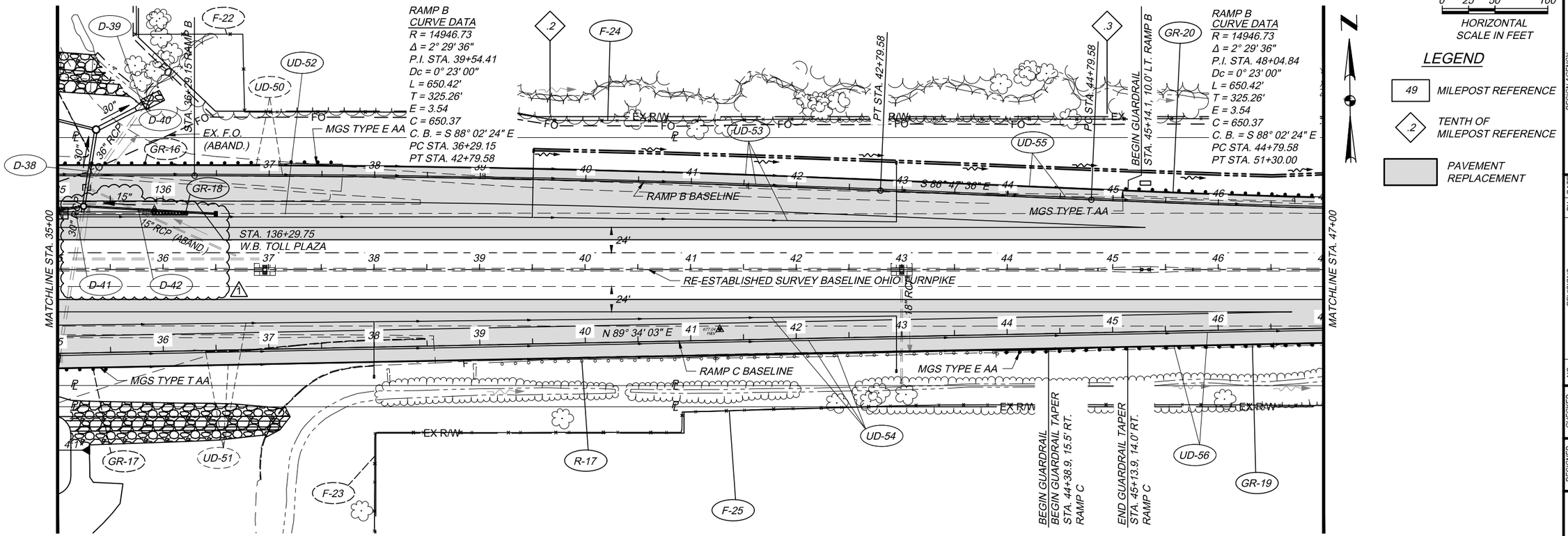
PROJECT 39-20-02A

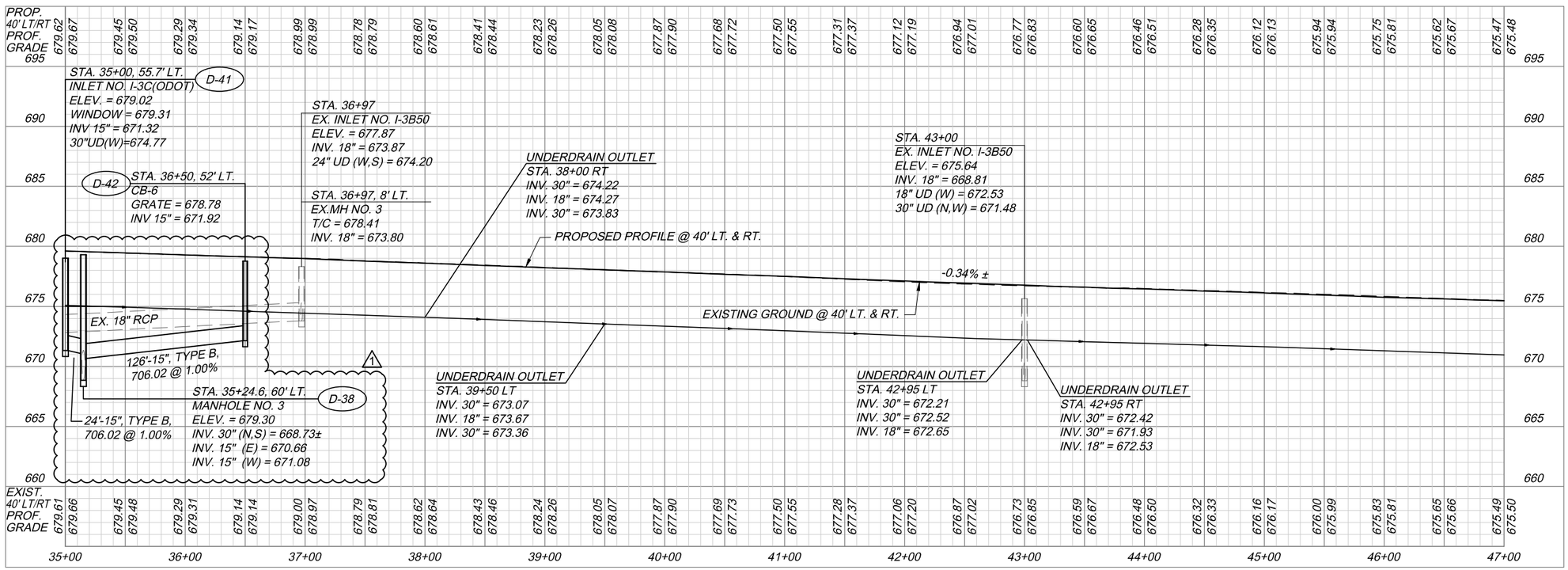
DATE: 12/3/19

9 / 11

181 / 505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION





DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED	DRAWN	CHECKED	IN CHARGE
J.M.P.	K.P.A.	W.D.B.	W.D.B.

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

PLAN AND PROFILE
STA. 35+00 TO STA. 47+00

PROJECT 39-20-02A

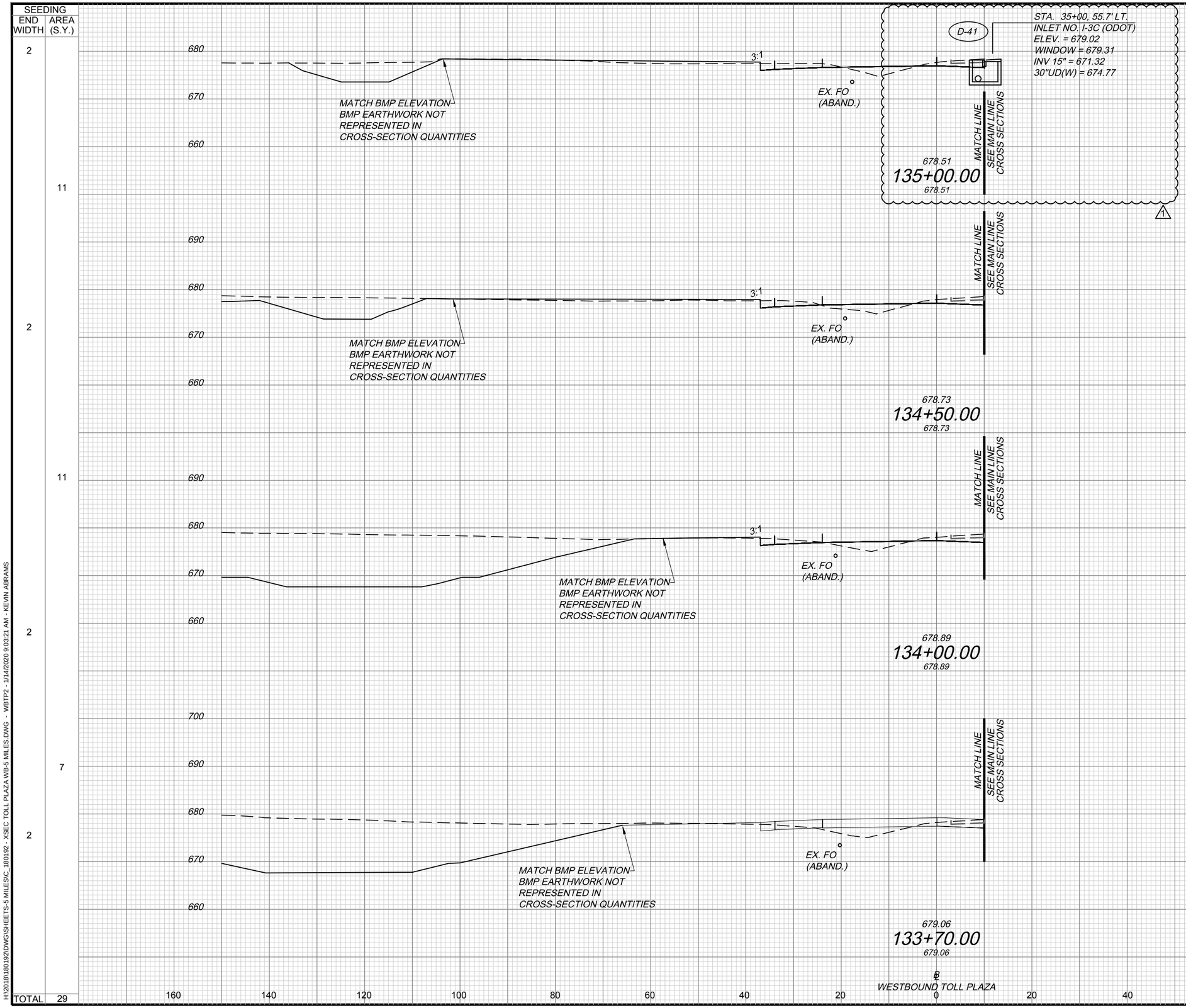
DATE: 12/3/19

14 / 22

208 / 505

H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - PNP-5 MILES.DWG - 13 - 1/14/2020 8:58:40 AM - KEVIN.ABRAMS

SEEDING END WIDTH	SEEDING AREA (S.Y.)
2	11
2	11
2	7
TOTAL	29



EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
23	18		
		56	37
38	22		
		51	40
17	21		
		19	23
18	20		
TOTAL		126	100

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED	DRAWN	CHECKED	IN CHARGE
J.M.P.	K.P.A.	W.D.B.	W.D.B.

CROSS SECTIONS - WESTBOUND TOLL PLAZA
134+00 TO 135+00

PROJECT 39-20-02A
DATE: 12/3/19

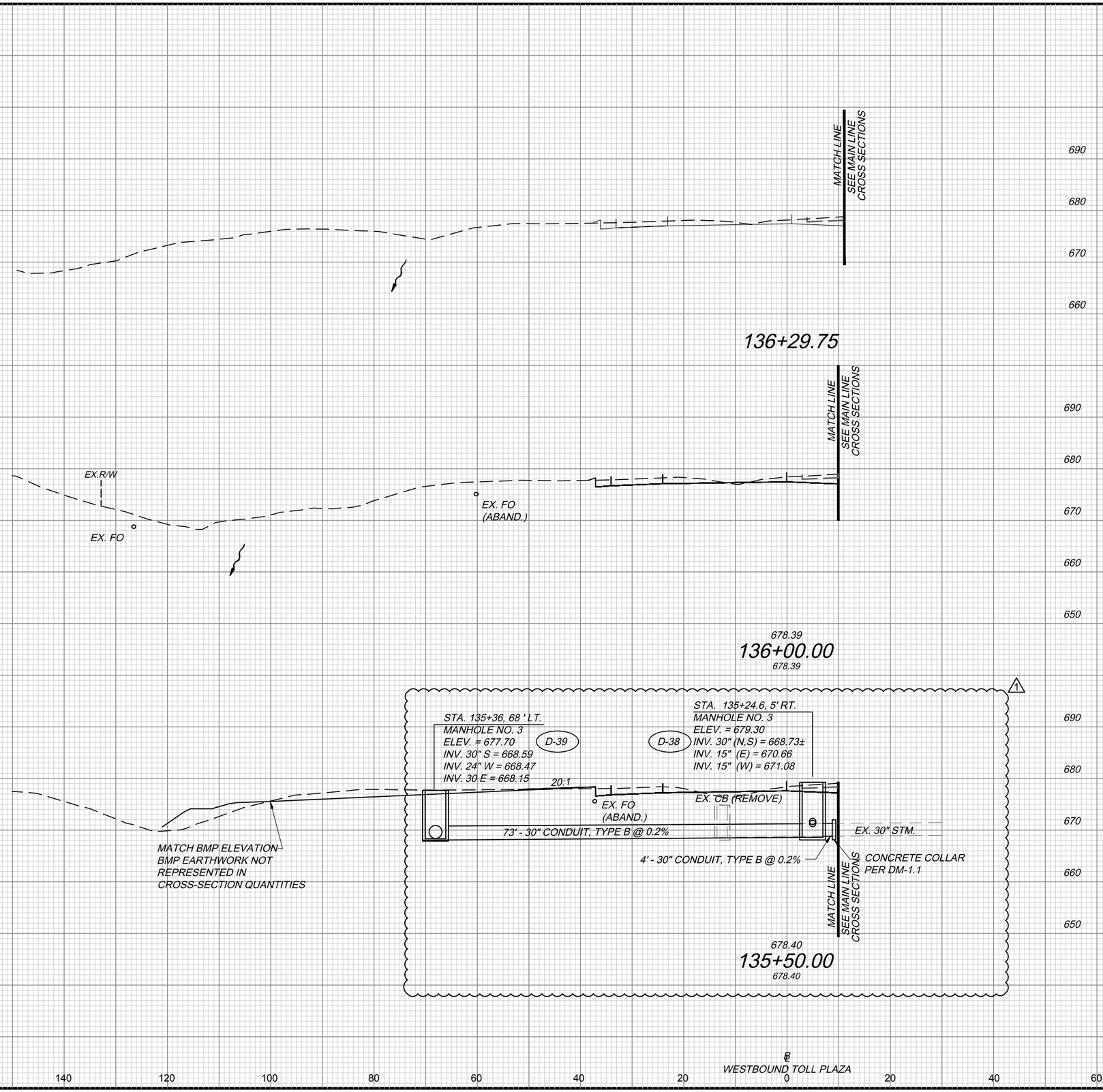
2 / 3

320
505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

H:\2018\180192\DWG\SHEETS-5 MILESIC_180192 - XSEC TOLL PLAZA WB-5 MILES.DWG - WBTP2 - 1/14/2020 9:03:21 AM - KEVIN ABRAMS

SEEDING		EARTHWORK			
END WIDTH	AREA (S.Y.)	END AREA (S.F.) CUT	END AREA (S.F.) FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) FILL
2	7	26	3	30	7
2		28	9		
11				59	12
2		36	4		
11				55	20
TOTAL	29	TOTAL		144	39



H:\2018\180192\DWG\SHEETS-5 MILES\C_180192 - XSEC TOLL PLAZA WB-5 MILES.DWG - WBTP3 - 1/14/2020 9:07:48 AM - KEVIN ABRAMS

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED	CHECKED
J.M.P.	W.D.B.
DRAWN	IN CHARGE
K.P.A.	W.D.B.

CROSS SECTIONS - WESTBOUND TOLL PLAZA
135+50 TO 136+00

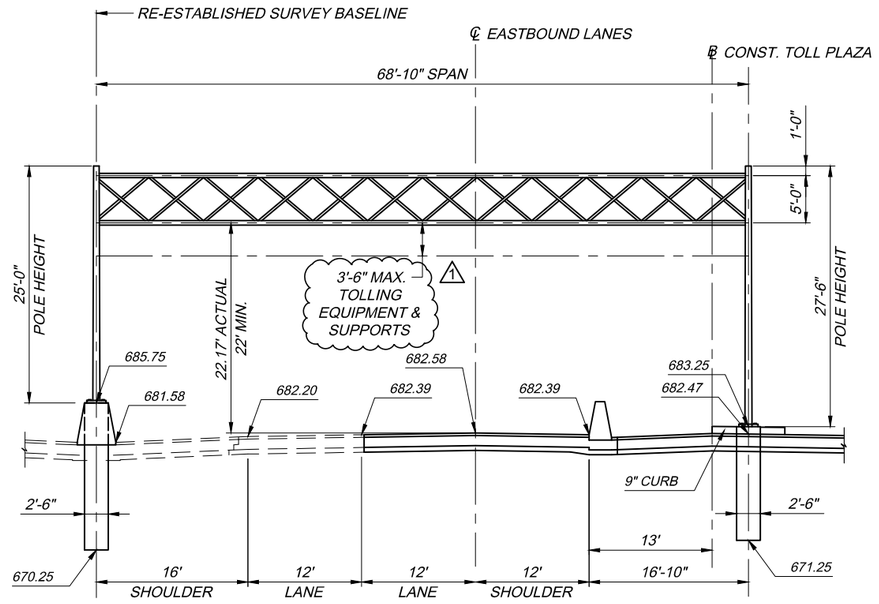
PROJECT 39-20-02A
DATE: 12/3/19

3 / 3

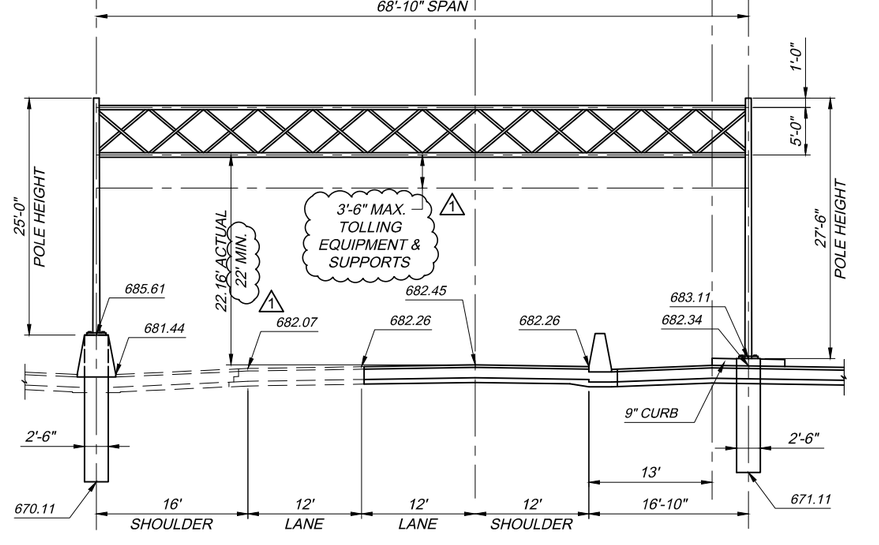
321
505

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION



STA. 26+47.33, CL.
STA. 26+47.33, 68'-10" RT.
MP 48.95, I-80/90 E.B.
OVERHEAD SIGN SUPPORT
TC-7.65, DESIGN 8



STA. 26+74.58, CL.
STA. 26+74.58, 68'-10" RT.
MP 48.96, I-80/90 E.B.
OVERHEAD SIGN SUPPORT
TC-7.65, DESIGN 8

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED	CHECKED
W.D.B.	T.J.H.
DRAWN	IN CHARGE
J.D.C.	W.D.B.

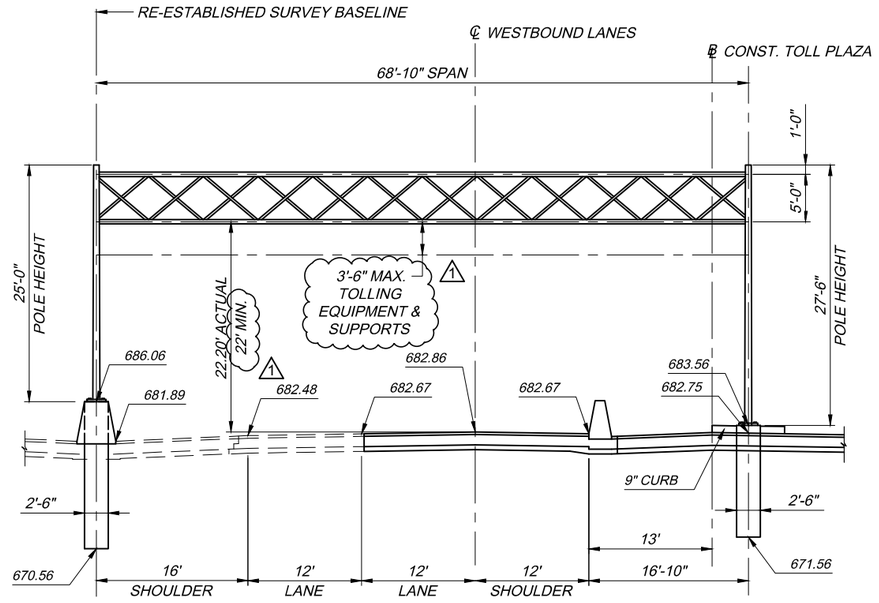
TRAFFIC CONTROL
OVERHEAD TOLL EQUIPMENT - ELEVATION VIEWS

PROJECT 39-20-02A
DATE: 12/3/19

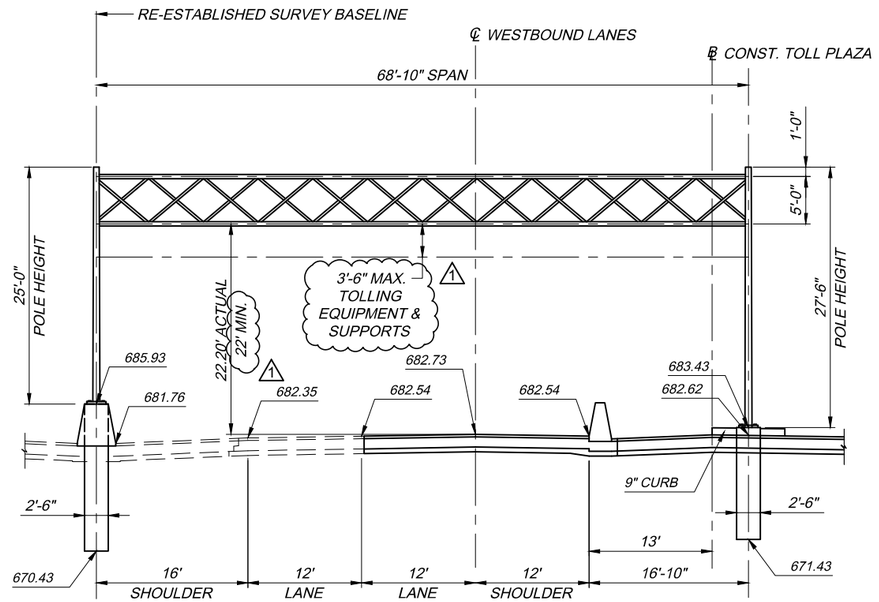
51 / 55

472 / 505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION



STA. 25+65.42, CL.
STA. 25+65.42, 68'-10" LT.
MP 48.93, I-80/90 W.B.
OVERHEAD SIGN SUPPORT
TC-7.65, DESIGN 8



STA. 25+92.67, CL.
STA. 25+92.67, 68'-10" LT.
MP 48.94, I-80/90 W.B.
OVERHEAD SIGN SUPPORT
TC-7.65, DESIGN 8

DESIGN AGENCY

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	JMP	1/15/2020
-			
-			

DESIGNED	CHECKED
W.D.B.	T.J.H.
DRAWN	IN CHARGE
J.D.C.	W.D.B.

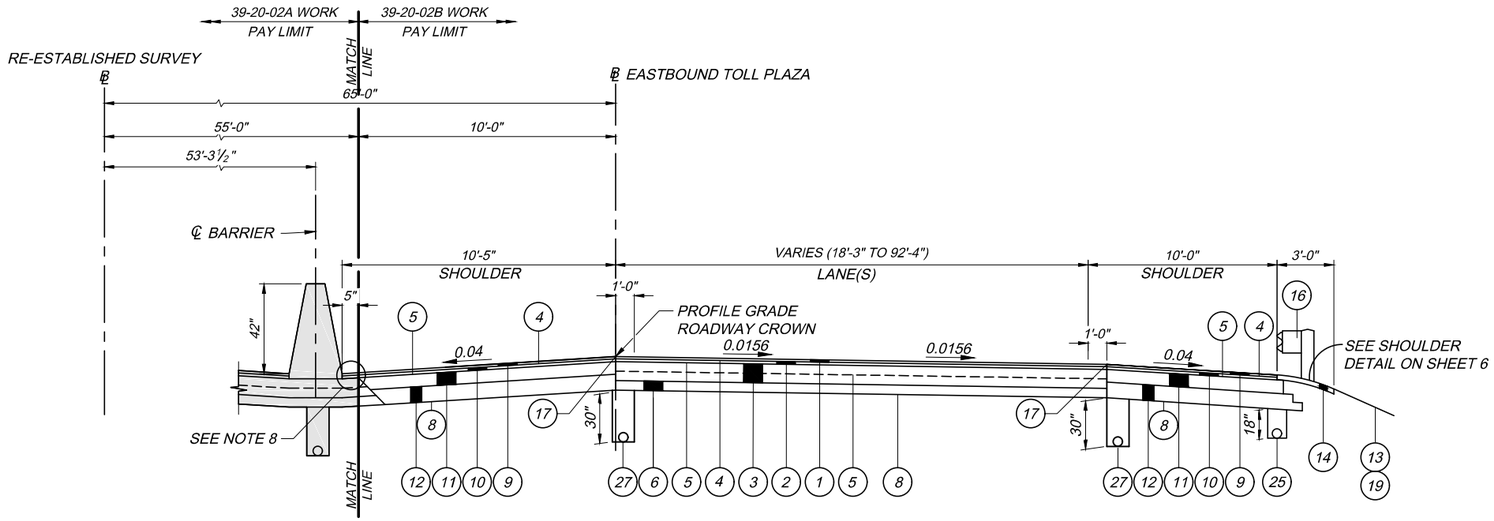
TRAFFIC CONTROL
OVERHEAD TOLL EQUIPMENT - ELEVATION VIEWS

PROJECT 39-20-02A
DATE: 12/3/19

52 / 55

474
505

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION



TOLL PLAZA APPROACH & DEPARTURE-NORMAL SECTION

EASTBOUND SHOWN. WESTBOUND SYMMETRICAL ABOUT RE-ESTABLISHED SURVEY BASELINE

WESTBOUND	EASTBOUND
STA. 118+70.00 TO STA. 123+70.00 = 500.00 LF	STA. 118+70.00 TO STA. 123+70.00 = 500.00 LF
STA. 128+70.00 TO STA. 133+70.00 = 500.00 LF	STA. 128+70.00 TO STA. 133+70.00 = 500.00 LF

ITEM LEGEND

1	ITEM SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 76-22 (FR) (T=1-1/2")
2	ITEM SP 402	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 76-22 (FR) (T=1-3/4")
3	ITEM SP 302	ASPHALT CONCRETE BASE, PG 64-22 (T=12") (2 EQUAL LIFTS) (SEE NOTE 1)
4	ITEM 407	NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL./S.Y.)
5	ITEM 407	NON-TRACKING TACK COAT (APPLIED @ 0.075 GAL./S.Y.)
6	ITEM SP 304	AGGREGATE BASE (T=6")
7	ITEM 302	ASPHALT CONCRETE BASE, PG 64-22 (T=4")
8	ITEM 206	CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN (SEE NOTE 7)
9	ITEM SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22 (T=1-1/2")
10	ITEM SP 402	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG 64-22 (T=1-3/4")
11	ITEM SP 302	ASPHALT CONCRETE BASE, PG 64-22 (SHOULDER) (T=8")
12	ITEM SP 304	AGGREGATE BASE (SHOULDER) (T=10") (2 EQUAL LIFTS)
13	ITEM 659	SEEDING AND MULCHING
14	ITEM SP 627	STONE SHOULDER PROTECTION (WITH GUARDRAIL) (T=3")
15	ITEM SPECIAL	SONIC NAP ALERT PATTERN (SNAP)
16	ITEM 606	GUARDRAIL, TYPE MGS WITH LONG STEEL POSTS
17	ITEM SP 404A	JOINT SEALER (APPLIED TO VERTICAL FACE, SP 402 AND SP 404) (SEE NOTE 6)
18	ITEM SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22 (T=2")
19	ITEM 659	TOPSOIL (T=3")
++ 20	ITEM 206	FULL DEPTH RECLAMATION, 12" (SEE NOTE 7)
21	ITEM SP 304	AGGREGATE BASE (VARIABLE THICKNESS) (WITHOUT GUARDRAIL)
22	NOT USED	
23	ITEM 204	SUBGRADE COMPACTION
24	ITEM 209	LINEAR GRADING
25	ITEM SP 605	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")
26	NOT USED	
27	ITEM SP 605	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (30")
++ 28	ITEM 609	CONCRETE CURB, TYPE 6, AS PER PLAN
++ 29	ITEM 608	CONCRETE WALK WITH INTEGRAL CURB, AS PER PLAN
++ 30	ITEM 608	CONCRETE WALK, AS PER PLAN
31	ITEM SP 404	NOT USED
32	ITEM SP 403	NOT USED
33	ITEM 254	NOT USED △1
34	ITEM SP 404	NOT USED
35	ITEM 254	NOT USED
36	ITEM SP 404	NOT USED

COMMON NOTES

NOTE 1: ITEM 407 - NON-TRACKING TACK COAT SHALL BE PLACED ON SURFACE OF SP 302 AND SHALL BE PLACED BETWEEN THE LIFTS OF SP 302.

NOTE 2: THE TRAVELED LANE PAVEMENT COMPOSITION WILL EXTEND 1 FOOT INTO THE SHOULDER.

NOTE 3: ASPHALT OR CONCRETE CURB SHALL BE SEALED PER THE REQUIREMENTS OF SP 400.

NOTE 4: ALL EXPOSED SUBGRADE WILL HAVE SUBGRADE STABILIZATION PERFORMED USING ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN, PAID UNDER CONTRACT 39-20-02A.

NOTE 5: FOR PAVEMENT AND SHOULDER WIDTHS AND CROSS SLOPES, SEE PAVEMENT DETAILS ON SHEETS 55 - 58.

NOTE 6: JOINT SEALER APPLIED TO ALL CONSTRUCTION JOINTS.

NOTE 7: THIS ITEM OF WORK IS DEFINED AND PAID FOR UNDER CONTRACT 39-20-02A.

NOTE 8: THE 5" WIDTH OF SP 404 AND SP 402 SHALL BE PAID FOR UNDER CONTRACT 39-20-02B.

* SLOPE VARIES. SEE PAVEMENT DETAILS ON SHEETS 55 - 58 FOR SLOPES. (7% MAXIMUM ROLLOVER FOR SHOULDERS)

** MATCH RATE OF SUPER IF GREATER THAN 0.04

*** ROUNDING OCCURS IF PAVEMENT CROSS SLOPE EXCEED 0.06

++ NOT FOR PAYMENT IN CONTRACT 39-20-02B, SEE CONTRACT 58-20-01 FOR PAYMENT.

CHECKING PRINT
CORRECTED: DATE:
APPROVED: DATE:
CHECKED: DATE:
BACKCHECKED: DATE:

nnnnnGY001.dwg; 1/14/20 - 5:47pm

DESIGN AGENCY
JACOBS
120 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE 617-242-9222

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	CSM	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS | CHECKED JRB
DRAWN AMS | IN CHARGE CSM

LUCAS COUNTY

TYPICAL SECTIONS-TOLL PLAZA
NORMAL SECTION

PROJECT 39-20-02B
DATE: 12/20/2019
TP 49

1 / 4

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59

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

CONSTRUCTION SPECIFICATIONS :
THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, DATED JANUARY 1, 2016, WITH LATEST REVISIONS AND THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION (OTIC) SPECIAL PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS SHALL GOVERN THIS PROJECT.

ODOT ITEM REFERENCES :
ALL REFERENCES TO ODOT ITEMS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, 2016 EDITION. ALL SPECIFICATIONS NOTED IN THESE PLANS SHALL REFER TO THE ODOT CMS UNLESS NOTED OTHERWISE OR THE SPECIFICATION IS PREFIXED BY 'SP' WHICH SHALL REFER TO OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION SPECIAL PROVISIONS.

WORK LIMITS :
THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY AND SHALL BE RESTRICTED TO WITHIN THE OTIC PROPERTY AND THE CONTRACTOR SHALL MINIMIZE ALL DISTURBANCES TO THE SPECIFIC CONSTRUCTION OF THE ITEMS DESCRIBED IN THESE PLANS. WITH APPROVAL OF THE CHIEF ENGINEER, THE CONTRACTOR SHALL DESIGNATE SITE STORAGE AND EQUIPMENT AREAS AND THE OTIC ENGINEERING AND MAINTENANCE DEPARTMENTS. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

COOPERATION BETWEEN CONTRACTORS :
THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS/HER OPERATION WITH THE CONTRACTORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THE CONTRACT. NO WAIVER OF ANY PROVISIONS OF SP 107 IS INTENDED.

ORIGINAL CONSTRUCTION PLANS :
THE ORIGINAL CONSTRUCTION PLANS, SHOWING THE ORIGINAL ALIGNMENT, PROFILE, AND DETAILS OF THE SERVICE PLAZA ARE AVAILABLE ON BID EXPRESS, WITH THE OTHER CONTRACT DOCUMENTS.

CONTINGENCY QUANTITIES :
THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

ROUNDING :
THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTION APPLY TO ALL CROSS-SECTIONS UNLESS OTHERWISE SHOWN.

PROJECT CONTROL/OTIC PERMANENT MONUMENT POSITIONAL PARAMETERS :
PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON THIS PROJECT. SEE SHEET 2 FOR PROJECT CONTROL INFORMATION. COORDINATES SHOWN ARE GRID COORDINATES.

POINT: PERMON 49.43 SECTION 71-18-02 MILEPOST: 49.43
SURVEY DATE: 05/08/18

VERTICAL POSITIONING:
ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 2012B

HORIZONTAL POSITIONING:
REFERENCE FRAME: NAD 83 (CORS2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO NORTH ZONE (3401)
COMBINED SCALE FACTOR: 0.99995577
ORIGIN OF SCALE (X,Y) - EASTING (X): 0 , NORTHING (Y): 0

UNITS:
FURNISHED UNITS ARE IN U.S. SURVEY FEET. FOR METRIC USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.28083333333 U.S. SURVEY FEET.

CONTRACTOR STAGING AREA :
THE EXISTING SERVICE PLAZA SP - 2 (MILEPOST 49), NORTH AND SOUTH, IS AVAILABLE FOR A CONTRACTOR STAGING AREA. CURRENTLY, THERE IS ELECTRIC SERVICE ON BOTH THE NORTH AND SOUTH SIDE. IF A CONTRACTOR CHOOSES A STAGING AREA WITHIN THE TURNPIKE RIGHT OF WAY OTHER THAN WHAT IS INDICATED IN THE PLANS, IT MUST BE SUBMITTED TO THE CHIEF ENGINEER FOR APPROVAL PRIOR TO USE. AN EXISTING OFFICE TRAILER AREA IS PROVIDED ON THE NORTH SIDE AS SHOWN ON THE CONTRACT COORDINATION DRAWINGS (39-20-02B).

THE STAGING AREA SHALL BE MAINTAINED BY THE CONTRACTOR AND RESTORED TO ITS ORIGINAL CONDITION AND APPROVED BY THE CHIEF ENGINEER PRIOR TO COMPLETION OF ALL WORK.

ENDANGERED SPECIES - INDIANA BAT :
THIS PROJECT IS WITHIN THE RANGE OF THE FEDERALLY OF THE FEDERALLY ENDANGERED INDIANA BAT (MYOTIS SODALIS). THE ROOSTING HABITAT FOR THE INDIANA BAT CONSISTS OF LIVING OR DEAD TREES OR SNAGS WITH EXFOLIATING, PEELING OR LOOSE BARK, SPLIT TRUNKS AND/OR BRANCHES OR CAVITIES. THEREFORE, ANY UNAVOIDABLE CUTTING OF SUCH TREES OR SNAGS WILL BE PERFORMED ONLY AFTER SEPTEMBER 30 AND BEFORE APRIL 1. PRIOR TO ANY REHABILITATION/REMOVAL, THE UNDERSIDE OF THE EXISTING BRIDGE SHALL BE CAREFULLY EXAMINED FOR THE PRESENCE OF BATS, ESPECIALLY FROM APRIL 1 TO SEPTEMBER 30. IF ANY BATS ARE FOUND ROOSTING, ON THE UNDERSIDE OF A BRIDGE, THE UNITED STATES FISH AND WILDLIFE SERVICE, ECOLOGICAL SERVICES DIVISION, THE ODOT OFFICE OF ENVIRONMENTAL SERVICES AND ODOT DISTRICT 3 ENVIRONMENTAL SECTION SHALL BE CONTACTED OR PROVIDED WITH INFORMATION.

ITEM 201 - CLEARING AND GRUBBING :
ALL TREES, BRUSH AND STUMPS SHALL BE REMOVED WITHIN THE CONSTRUCTION LIMITS AS SHOWN IN THE CONSTRUCTION PLANS OR AS SHOWN IN THE TABLE BELOW. THIS WORK SHALL BE COMPLETED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. TREES WILL BE REMOVED BY OTHERS, EXCEPT THOSE OTHERWISE DESIGNATED BY THE CHIEF ENGINEER SHALL NOT BE REMOVED.

UTILITIES
LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS.

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
682 PROSPECT STREET
BEREA, OH 44017
MAIN OFFICE: (440) 234-2081
WESTERN TRADES SUPERVISOR, MP 0 - MP 126.4
MOBILE: (440) 821-3359
EASTERN TRADES SUPERVISOR, MP 126.4 - MP 241.26
MOBILE: (440) 821-3368

TOLEDO EDISON
6099 ANGOLA RD.
HOLLAND, OH 43528
RANDALL SWOPE: (419) 249-5218
RRSWOPE@FIRSTENERGYCORP.COM

CENTURY LINK (LCI FIBER OPTIC CABLE)
DOUG HOLLOWAY;
OFFICE: (216) 426-6010
MOBILE: (216) 906-6284
DOUG.HOLLOWAY@CENTURYLINK.COM

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE AND THE OWNERS OF ANY UNDERGROUND UTILITY FACILITY IN THE AREA FOR APPROPRIATE MARKING. THE CONTRACTOR SHALL BE AWARE THAT WITHIN THE PROJECT LIMITS, CENTURYLINK AND THE OHIO TURNPIKE HAVE FIBER OPTIC CABLES RUNNING ALONG THE NORTH FENCE LINE OF THE TURNPIKE.

CENTURY LINK FIBER OPTIC CABLE (LCI), OTIC FIBER OPTIC CABLE AND/OR MCI FIBER OPTIC CABLE
THE CONTRACTOR SHALL HAVE THE FIBER OPTIC CABLE MARKED IN THE FIELD PRIOR TO ANY CONSTRUCTION ACTIVITIES.

EXTREME CARE MUST BE TAKEN BY THE CONTRACTOR TO PRESERVE AND PROTECT THE FIBER OPTIC CABLE DURING EXISTING STRUCTURE REMOVAL, NEW STRUCTURE CONSTRUCTION, WHEN EXCAVATING FOR DRAINAGE OUTLETS, EXCAVATING TO FORM THE PROPOSED OUTSIDE ROADWAY DITCHES, CLEANING OUT EXISTING DITCHES AND STREAMS, PERFORMING SLOPE EROSION REPAIRS, REPLACING THE EXISTING FENCE, ETC. THE GENERAL LOCATION OF THE FIBER OPTIC CABLE IS DEPICTED ON THE PLAN AND PROFILE SHEETS. ANY EXCAVATION ADJACENT TO THE CABLE FOR ANY REASON SHALL NOT BE PERFORMED WITHOUT THE FIBER OPTIC UTILITY COMPANY FIRST LOCATING AND VERIFYING THE DEPTH OF THE CABLE. AFTER THE CABLE HAS BEEN LOCATED BY THE FIBER OPTIC UTILITY COMPANY, THE CONTRACTOR SHALL EXCAVATE TO WITHIN 12" OF THE CABLE DEPTH AS PROVIDED. FIBER OPTIC COPMANY REPRESENTATIVE WILL THEN HAND DIG TO EXPOSE THE CABLE.

THE CONTRACTOR SHALL CONTACT THE FIBER OPTIC UTILITY COMPANY FOR LOCATION AND DEPTH VERIFICATION PRIOR TO ANY EXCAVATION WORK, ESPECIALLY IN NON-ANTICIPATED WORK AREAS. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR TIME DELAY WAITING FOR DEPTH VERIFICATION FROM FIBER OPTIC UTILITY COMPANIES.

EXISTING / AS-BUILT PLANS
THE EXISTING / AS-BUILT PLANS FROM THE ORIGINAL 1953 CONSTRUCTION, 3RD LANE WIDENING, DECK REPLACEMENT AND OTHER MODIFICATIONS, INCLUDING CROSS-SECTIONS, STANDARD DRAWINGS AND TURNPIKE SPECIFIC STANDARD DRAWINGS MAY BE INSPECTED AT THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION ADDMINISTRATION OFFICE LOCATED AT 682 PROSPECT STREET, BEREA, OHIO 44017, TELEPHONE (440) 234-2081.

EXISTING UTILITIES TO BE ABANDONED
ALL EXISTING CABLES, CONDUIT OR OTHER EXISTING UTILITIES WHICH ARE NOT A PIPE SHOWN TO BE ABANDONED ON THE PLANS SHALL BE LEFT IN PLACE AND PROPERLY ABANDONED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. PAYMENT FOR THIS SHALL BE INCIDENTAL TO THE PROPOSED ITEM OF WORK.

EXISTING FIBER OPTIC CABLE NOTE
ALL EXISTING FIBER OPTIC CABLES SHALL BE PROTECTED DURING CONSTRUCTION UNLESS THEY ARE MARKED "ABANDONED" OR SPECIFICALLY INDICATED TO BE REMOVED IN THIS WORK. PRIOR TO STARTING THE SITE WORK, THE CONTRACTOR SHALL NOTIFY OHIO TURNPIKE COMMISSION OF THE PROPOSED CONSTRUCTION ACTIVITIES AND COORDINATE THESE ACTIVITIES WITH OHIO TURNPIKE COMMISSION TO INSURE THAT THE EXISTING COMMUNICATION CABLE IS UNDISTURBED BY THE CONTRACTOR'S WORK.

THE FOLLOWING ESTIMATED QUANTITIES FOR ABANDONED FIBER OPTIC REMOVAL HAVE BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 202 - PIPE REMOVED, 4" AND UNDER, AS PER PLAN 1,480 FT

ITEM 202 - PUMP STATION DEMOLISHED
THE CONTRACTOR SHALL DEMOLISH AND DISPOSE OF ALL DEBRIS RESULTING FROM THE DEMOLITION OF THE EXISTING PUMP STATION AND ALL APPURTENANCES LOCATED WITHIN THE EXISTING CONCRETE STRUCTURE AS SHOWN ON SHEET 14 OF 59 IN ACCORDANCE WITH SP105 AND ALL FEDERAL, STATE AND LOCAL LAWS. THIS WORK SHALL INCLUDE BUT IS NOT LIMITED TO THE REMOVAL OF THE 14.3' X 6' DIAMETER CONCRETE STRUCTURE TO A MINIMUM OF 2' BELOW PROPOSED DITCH AND BREAK UP BOTTOM OF STRUCTURE, ALL ASSOCIATED ELECTRICAL AND SEWAGE. ALL SANITARY LINES SHALL BE PLUGED. THE ENTIRE EXCAVATION SHALL BE BACKFILLED WITH CLEAN FILL IN ACCORDANCE WITH ODOT 203. THIS ITEM WILL INCLUDE ALL NECESSARY LABOR, MATERIAL AND EQUIPMENT TO REMOVE THE PUMP STATION AND ALL APPURTENANCES AND BACKFILL. THIS ITEM SHALL BE PAID ON A LUMP SUM BASIS. /1

ITEM 202 - REMOVAL MISCELLANEOUS
REMOVAL OF ALL ITEMS NOT INCLUDED ON GENERAL SUMMARY SHEET AND NOTED ON DEMOLITION PLANS FOR REMOVAL SHALL BE INCLUDED IN THIS LUMP SUM ITEM.

ITEM 203 - ASPHALT PAVEMENT REMOVED
THE TOTAL AREA OF ASPHALT TO BE REMOVED IS 46,030 SY (21,580 SY ON WESTBOUND (NORTH SIDE) AND 24,450 SY ON EASTBOUND (SOUTH SIDE). AREA OF EXISTING PAVEMENT SHOWN AS EXCAVATION IN CROSS SECTIONS IS INCLUDED IN ITEM 203 - EXCAVATION IN CROSS SECTION EARTHWORK QUANTITIES. THE FOLLOWING ESTIMATED QUANTITIES FOR ADDITIONAL ASPHALT PAVEMENT EXCAVATION OUTSIDE OF CROSS SECTIONS IS NOTED BELOW:

EASTBOUND (SOUTH) SITE: 5,675 CU. YD. (AREA = 19,187 SY)
WESTBOUND (NORTH) SITE: 2,488 CU. YD. (AREA = 10,116 SY)

ITEM 203 - EXCAVATION 8,163 CU. YD.

EMBANKMENT REQUIRED TO REPLACE PAVEMENT EXCAVATED ABOVE:

ITEM 203 - EMBANKMENT 8,163 CU. YD.

CONTRACTOR COORDINATION
EACH PRIME CONTRACTOR FOR CONTRACTS 39-20-02 AND 58-20-01 AND THEIR SUBCONTRACTORS SHALL PERFORM THEIR WORK CONCURRENTLY AND IN COORDINATION WITH OTHER CONSTRUCTION ACTIVITIES PERFORMED ON THIS PROJECT WITH THE INTENT OF DELIVERING A COMPLETE AND OPERATIONAL FACILITY AND ROADWAY BY THE CONTRACT COMPLETION DATES. PRIME CONTRACTORS SHALL COORDINATE THEIR ACTIVITIES IN ACCORDANCE WITH THE 39-20-02B "CONTRACT COORDINATION PLANS" AS SHOWN ON SHEETS 9-13 OF 59 AND THE APPROVED PROJECT SCHEDULES.

FARM DRAINS
ALL FARM DRAINS, WHICH ARE ENCOUNTERED DURING CONSTRUCTION, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS. EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY, SHALL BE REPLACED WITHIN THE (RIGHT OF WAY) (CONSTRUCTION) LIMITS BY ITEM SP 611 CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT. EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES, SHALL BE OUTLETTED INTO THE ROADWAY DITCH BY SP 611 TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION SHALL BE ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. LATERAL FIELD TILES WHICH CROSS THE ROADWAY SHALL BE INTERCEPTED BY SP 611, TYPE E CONDUIT, AND CARRIED IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING. THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS SHALL BE DETERMINED BY THE ENGINEER AND PAYMENT SHALL BE MADE ON FINAL MEASUREMENTS. EROSION CONTROL PADS AND ANIMAL GUARDS SHALL BE PROVIDED AT THE OUTLET END OF ALL FARM DRAINS AS PER ODOT STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE. PAYMENT FOR THE EROSION CONTROL PADS AND ANIMAL GUARDS AND ANY NECESSARY BENDS OR BRANCHES SHALL BE INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

SP 611 - 6" CONDUIT, TYPE B 200 FT
SP 611 - 6" CONDUIT, TYPE E 200 FT
SP 611 - 6" CONDUIT, TYPE F 200 FT
ITEM 601 - ROCK CHANNEL PROTECTION TYPE C WITH FILTER 10 CU. YD

CHECKING PRINT
CORRECTED: DATE:
APPROVED: DATE:
CHECKED: DATE:
BACKCHECKED: DATE:

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DESIGN AGENCY
JACOBS
120 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-241-5201

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	CSM	1/15/20
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LUCAS COUNTY

GENERAL NOTES

PROJECT 39-20-02B DATE: 12/20/2019 TP 49

1 / 2

7 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

CHECKING PRINT

CORRECTED: DATE:

APPROVED: DATE:

CHECKED: DATE:

BACKCHECKED: DATE:

MATCH LINE C-C

601 602 603 604 605 606 607 608 609 610

MATCH LINE C-C

600

58-20-01 CONTRACT INCLUDES ALL CONCRETE CURBS AROUND BUILDING, CASH LANE ISLANDS AND CASH LANE CONCRETE PAVEMENT. THE 39-20-02 AND 58-20-01 CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THIS WORK AND INCORPORATING INTO EACH RESPECTIVE BASELINE CONSTRUCTION SCHEDULES.

120 125 130

CONTRACT 39-20-02A - ORT SLAB CONCRETE PAVEMENT
MEDIAN SHOULDER AND THIRD LANE ORT SLAB CONCRETE SHALL BE PLACED PRIOR TO IMPLEMENTATION OF THE CONTRA FLOW TRAFFIC PATTERN FOR EACH RESPECTIVE DIRECTION, AS DETAILED IN THE MOT PHASING NARRATIVES. REMAINING RIGHT, CENTER LANES AND OUTSIDE SHOULDER WILL BE PLACED DURING EACH RESPECTIVE MAINLINE PAVEMENT REPLACEMENT DIRECTION/ PHASE.

20 25

ADJACENT PLAZA SHOULDER (ASPHALT PAVEMENT)
SHALL BE PERFORMED BY THE 39-20-02 CONTRACTOR AS DETAILED IN THE PART B PLANS. SOIL STABILIZATION, SUBBASE AND ASPHALT PAVEMENT ARE TO BE COORDINATED WITH THE 58-20-01 CONTRACTOR WHICH WILL BE REQUIRED TO COMPLETE ALL CONCRETE PLAZA ISLAND CURB WORK PRIOR TO ASPHALT PAVEMENT BEING PLACED.

120 125 130

APPROACH & DEPARTURE RAMPS (ASPHALT PAVEMENT)
TO BE PERFORMED BY THE 39-20-02 CONTRACTOR AS DETAILED THE PLANS. AT A MINIMUM, THE FIRST LIFT OF SP 302 ASPHALT CONCRETE BASE COURSE FOR THE CONTRACT 58-20-01 STAGING AREA, AS DEFINED ON SHEET 9 OF 59, SHALL BE INSTALLED PRIOR TO SEPTEMBER 1, 2020. 39-20-02 CONTRACTOR SHALL PAVE THROUGH THE TRANSITION POINT OF THE CASH LANE CONCRETE PAVEMENT AND THE 58-20-01 CONTRACTOR SHALL SAW CUT AND REMOVE TO FORM CONCRETE PAVEMENT. SP 404 AND SP 402 ASPHALT COURSES WILL BE COMPLETED BY THE CONTRACTOR ONLY AFTER THE 58-20-01 CONTRACTOR COMPLETES THE CASH LANE CONCRETE PAVEMENT, WHICH IS EXPECTED TO BE COMPLETED DURING THE SUMMER OF 2021.

600

39-20-02B SP 302 ASPHALT PAVING TO EXTEND INTO CONVENTIONAL LANE CONCRETE PAVEMENT AREA. THIS EDGE WILL BE ESTABLISHED BY THE 58-20-01 CONTRACTOR BY SAW CUTTING AND REMOVING EXCESS ASPHALT BASE COURSE TO FORM CONCRETE PAVEMENT.

501 502 503 504 505

MATCH LINE A-A

EMPLOYEE PARKING AREAS (ASPHALT PAVEMENT)
SHALL BE PERFORMED BY THE 39-20-02 CONTRACTOR AS DETAILED IN THE PART B AND 58-20-01 PLANS. ASPHALT PAVEMENT TO BE INSTALLED AFTER THE EMPLOYEE PARKING CONCRETE PAVEMENT AND ASSOCIATED CURBS HAVE BEEN COMPLETED DURING THE 2021 CONSTRUCTION SEASON.

EMPLOYEE PARKING STALLS (CONCRETE PAVEMENT)
SHALL BE PERFORMED BY THE 58-20-01 CONTRACTOR AS DETAILED IN THE PART B PLANS. CONCRETE PAVEMENT TO BE INSTALLED AFTER 58-20-01 CONTRACTOR INSTALLS ASSOCIATED CURBS DURING THE 2021 CONSTRUCTION SEASON.

ACCESS ROADS (ASPHALT PAVEMENT)
SHALL BE PERFORMED BY THE 39-20-02 CONTRACTOR AS DETAILED IN THE PART B PLANS. SOIL STABILIZATION, SUBBASE AND ASPHALT PAVEMENT ARE TO BE INSTALLED LAST AFTER THE 58-20-01 CONTRACTOR HAS COMPLETED IN AUGUST OF 2021.

NOTES:
INTERIM COMPLETION MILESTONES ARE DETAILED IN SP 103 FOR EACH RESPECTIVE CONTRACT AND MOT PHASING IS DETAILED IN PART A OF THE 39-20-02 MOT NOTES FOR EACH RESPECTIVE CONTRACT.

MATCH LINE B-B

520 521 522 523 524 525 526 527

MATCH LINE A-A

506 507 508 509 510 511 512 513 514 515 516 517 518 519

MATCH LINE B-B

nnnnnGM003.dwg; 1/15/20 - 8:50am

DESIGN AGENCY
JACOBS
120 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE 617-242-9222

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1-15-20
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DESIGNED AMS | CHECKED CSM | IN CHARGE CSM | DRAWN AMS

LUCAS COUNTY

CONTRACT COORDINATION PLANS
SITE PAVEMENT PLAN

TP 49

PROJECT 39-20-02B

DATE: 12/20/2019

5 / 5

13 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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CORRECTED: DATE:

APPROVED: DATE:

CHECKED: DATE:

BACKCHECKED: DATE:

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REMOVE 52 LF CONCRETE CURB

CONCRETE PAVEMENT REMOVAL PAID AS ITEM 202 PAVEMENT REMOVED (PAID FOR IN 39-20-02B CONTRACT) ⚠1

REMOVE

(UM)

REMOVE ABANDONED FIBER OPTIC

REMOVE 6' WIDE PAVED ASPHALT GUTTER

REMOVE CONCRETE GUTTER

ABAN FO

END OF FIBER OPTIC REMOVAL

REMOVE 220 LF CONCRETE CURB

REMOVE 6' WIDE PAVED ASPHALT GUTTER

RIP-RAP

REMOVE 172 LF CONCRETE CURB

REMOVE PUMP STATION INCLUDING CONCRETE PAD

REMOVE 6' WIDE PAVED ASPHALT GUTTER

REMOVE 240 LF CONCRETE CURB

PAVEMENT BORING 9" THICKNESS N 707022.000 E 1593269.713

PAVEMENT BORING 12" THICKNESS N 707012.447 E 1593877.447

CONCRETE PAVEMENT REMOVAL PAID AS ITEM 202 PAVEMENT REMOVED (PAID FOR IN 39-20-02B CONTRACT) ⚠1

EASTBOUND ACCESS ROAD

REMOVE FIVE SECTIONS OF PORTABLE CONCRETE BARRIER

REMOVE CONCRETE

REMOVE ALL EXISTING PAVEMENT WITHIN CONSTRUCTION LIMITS. ASPHALT REMOVAL IS PAID AS ITEM 203 - EXCAVATION. FOR ESTIMATING PURPOSES, REMOVAL OF ASPHALT ON THE SOUTH SITE IS APPROXIMATELY 24,450 SY. TWO PAVEMENT BORINGS PROVIDE THE THICKNESS OF PAVEMENT.

REMOVE 30 LF OF 12" CONCRETE PIPE

REMOVE 250 LF INTEGRAL CONCRETE WALK AND CURB

REMOVE CONCRETE GUTTER

APPROXIMATE LIMIT OF CONSTRUCTION (TYP.)

REMOVE 600 LF CONCRETE CURB

REMOVE 3' WIDE CONCRETE WALK

RIP-RAP

APPROXIMATE LIMIT OF CONSTRUCTION (TYP.)

(UM)

RETAIN

RETAIN AND ADJUST CATCH BASIN

RIP-RAP

RIP-RAP

RETAIN AND ADJUST CATCH BASIN

REMOVE CONCRETE FOUNDATION

REMOVE BOLLARDS AND FENCE POST

REMOVE 2'X2' CONCRETE PAD

49

1

⚠1 CONCRETE PAVEMENT REMOVED

ASPHALT PAVEMENT REMOVED (ITEM 203)

ASPHALT PAVEMENT FULL DEPTH RECLAMATION

LEGEND:

49 MILEPOST REF.

.7 TENTH OF MILEPOST REF.

0 50 100

HORIZONTAL SCALE IN FEET

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
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DESIGNED AMS | CHECKED CSM

DRAWN AMS | IN CHARGE CSM

LUCAS COUNTY

DESIGN AGENCY

JACOBS

139 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

DEMOLITION PLAN
SOUTH SITE

PROJECT 39-20-02B

DATE: 12/20/2019

TP 49

1 / 2

14 / 59

OHIO TURNPIKE

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DATE: ____ CHECKED: ____ DATE: ____
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EXISTING CELL TOWER ACCESS ROAD TO REMAIN

EXISTING PAVEMENT TO REMAIN

APPROXIMATE LIMIT OF CONSTRUCTION (TYP.)

EXISTING PAVEMENT AND DRAINAGE TO REMAIN

REMOVE 500 LF CONCRETE CURB

REMOVE 40 LF OF 15" CONCRETE PIPE TO LIMITS OF CONSTRUCTION, PAVED DRIVE TO REMAIN

APPROXIMATE LIMIT OF CONSTRUCTION (TYP.)

REMOVE ALL EXISTING PAVEMENT WITHIN CONSTRUCTION LIMITS. ASPHALT REMOVAL IS PAID AS ITEM 203 - EXCAVATION. FOR ESTIMATING PURPOSES, REMOVAL OF ASPHALT ON THE NORTH SITE IS APPROXIMATELY 21,580 SY. TWO PAVEMENT BORINGS PROVIDE THE THICKNESS OF PAVEMENT.

WESTBOUND ACCESS ROAD

PAVEMENT BORING
10.5" THICKNESS
N 707532.895
E 1592973.814

PAVEMENT BORING
8" THICKNESS
N 707623.254
E 1593659.090

REMOVE MONUMENT WITH CONCRETE APRON

REMOVE 152 LF CONCRETE CURB

REMOVE ABANDONED FIBER OPTIC

REMOVE (UM)

REMOVE 6' WIDE PAVED ASPHALT GUTTER

REMOVE CONCRETE GUTTER

REMOVE 52 LF CONCRETE CURB

CONCRETE PAVEMENT REMOVAL PAID AS ITEM 202 PAVEMENT REMOVED (PAID FOR IN 39-20-02B CONTRACT)

BEGIN OF FIBER OPTIC REMOVAL STA. 20+50

END OF FIBER OPTIC REMOVAL

REMOVE 6' WIDE PAVED ASPHALT GUTTER

FO ABAN FO W SAN

⚠1 CONCRETE PAVEMENT REMOVED
ASPHALT PAVEMENT REMOVED (ITEM 203)
ASPHALT PAVEMENT FULL DEPTH RECLAMATION

LEGEND:
49 MILEPOST REF.
.7 TENTH OF MILEPOST REF.

0 50 100
HORIZONTAL SCALE IN FEET

DESIGN AGENCY
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135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
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DESIGNED AMS | CHECKED CSM | IN CHARGE CSM
DRAWN AMS

LUCAS COUNTY

DEMOLITION PLAN
NORTH SITE

TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

2 / 2

15 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

nnnnnRE01.dwg; 1/15/20 - 12:05pm

SHEET NUMBER								ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	13	14	17	18	27						
											ROADWAY	
1								201	1	LUMP	CLEARING AND GRUBBING	
			1					202	1	EACH	HEADWALL REMOVED	
1480								202	1480	FOOT	PIPE REMOVED, 4" AND UNDER, AS PER PLAN	
		30	40					202	70	FOOT	PIPE REMOVED, 24" AND UNDER	
1								202	1	LUMP	PUMP STATION DEMOLISHED	
		1232	704					202	1936	FOOT	CONCRETE CURB REMOVED	
		1145	1031					202	2176	SY	PAVEMENT REMOVED	
		60	50					202	110	SY	REMOVAL MISC. CONCRETE CHANNEL REMOVED	
1								202	1	LUMP	REMOVAL MISC.	
8163					32634			203	40797	CU. YD.	EXCAVATION	7
8163					15956			203	24119	CU. YD.	EMBANKMENT	
				1313.25				606	1313.25	FOOT	GUARDRAIL, TYPE MGS, WITH LONG STEEL POSTS	
				2				606	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
				491				607	491	FOOT	FENCE, TYPE 47, AS PER PLAN	
				16				SP 626	16	EACH	BARRIER REFLECTOR, TYPE A	
				38				SP 627	38	CU. YD.	STONE SHOULDER PROTECTION (T=3")	
											EROSION CONTROL	
	4663							651	4663	CU. YD.	TOPSOIL STOCKPILED	
	4256							652	4256	CU. YD.	PLACING STOCKPILED TOPSOIL	
					73433			659	73433	SQ. YD.	SEEDING AND MULCHING	
	3672							659	3672	SQ. YD.	REPAIR SEEDING AND MULCHING	
	5000							659	5000	SQ. YD.	INTER SEEDING	
	6.6							659	6.6	TON	COMMERCIAL FERTILIZER	
	15.2							659	15.2	ACRE	LIME	
	398							659	398	M. GAL.	WATER	
											DRAINAGE	
10								601	10	CU. YD.	ROCK CHANNEL PROTECTION TYPE C WITH FILTER	
				3127				SP 605	3127	FOOT	6" BASE PIPE UNDERDRAIN WITH FABRIC WRAP (18")	
				5804				SP 605	5804	FOOT	6" SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP (30")	
				6				SP 611	6	EACH	PRECAST REINFORCED CONCRETE OUTLET, AS PER PLAN	8
				32				SP 611	32	FOOT	15" CONDUIT, TYPE B, 706.02	
				145				SP 611	145	FOOT	12" CONDUIT, TYPE C, 707.33	
200								SP 611	200	FOOT	6" CONDUIT, TYPE B	
200								SP 611	200	FOOT	6" CONDUIT, TYPE E	
200								SP 611	200	FOOT	6" CONDUIT, TYPE F	
						2		611	2	EACH	MANHOLE, CATCH BASIN OR INLET ADJUST TO GRADE	
				1				SPECIAL	1	EACH	12" PRECAST CONCRETE END SECTION	7,8
				2				SPECIAL	2	EACH	15" PRECAST CONCRETE END SECTION	7,8
											PAVEMENT	
					5981			209	5981	FOOT	LINEAR GRADING	
					787			SP 302	787	CU. YD.	ASPHALT CONCRETE BASE, PG 44-22	
					5100			SP 302	5100	CU. YD.	ASPHALT CONCRETE BASE, PG 64-22	
					1955			SP 302	1955	CU. YD.	ASPHALT CONCRETE BASE, PG 64-22 (SHOULDER)	
					2550			SP 304	2550	CU. YD.	AGGREGATE BASE	
					2674			SP 304	2674	CU. YD.	AGGREGATE BASE (SHOULDER)	
					744			SP 402	744	CU. YD.	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE IN INTERMEDIATE COURSE, PG 76-22 (FR)	
					423			SP 402	423	CU. YD.	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE IN INTERMEDIATE COURSE, PG 64-22	
					637			SP 404	637	CU. YD.	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 76-22 (FR)	
					658			SP 404	658	CU. YD.	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22	
					5026			SP 404A	5026	FOOT	JOINT SEALER	
					4813			407	4813	GAL.	NON-TRACKING TACK COAT	
											TRAFFIC CONTROL	
				1.12				SP 642	1.12	MILE	6" EDGE LINE, TYPE 1	

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DESIGN AGENCY
JACOBS
120 ST. JAMES AVENUE, 5TH FLOOR
BOSTON, MA 02116
OFFICE 617-242-9222

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	CSM	1/15/20
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-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED JRB | IN CHARGE CSM

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

GENERAL SUMMARY

LUCAS COUNTY TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

1 / 1

16
59

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BACKCHECKED: _____ DATE: _____ APPROVED: _____ DATE: _____

ROADWAY

REFERENCE	SHEET	STATION TO STATION FROM	STATION TO STATION TO	SIDE	OFFSET	LENGTH	606 GUARDRAIL, TYPE MGS, WITH LONG POSTS	606 ANCHOR ASSEMBLY, MGS TYPE T	607 FENCE, TYPE 47, AS PER PLAN	SP 626 BARRIER REFLECTOR, TYPE A	SP 627 STONE SHOULDER PROTECTION (T=3")
		FROM	TO		FEET	FEET	FOOT	EACH	FOOT	EACH	CU. YD.
		GUARDRAIL									
G-1	20	27+93.5	33+70	EB	VARIES	725	700	1		8	20
G-2	22	26+74.3	33+70	WB	VARIES	631.25	613.25	1		8	18
		TYPE 47 FENCE									
F-1	19-20	24+00	26+55.5	EB	VARIES	270			270		
F-2	21-22	23+50	25+50	WB	VARIES	221			221		
F-3	22	25+75	28+14	WB	VARIES	246			246		
TOTALS CARRIED TO GENERAL SUMMARY							1313.25	2	491	16	38

DRAINAGE

REFERENCE	SHEET	STATION TO STATION FROM	STATION TO STATION TO OR AT	SIDE	OFFSET	SP 611 12" CONDUIT, TYPE C, 707.33	SP 611 15" CONDUIT, TYPE B, 706.02	SPECIAL 12" PRECAST CONCRETE END SECTION	SPECIAL 15" PRECAST CONCRETE END SECTION
		FROM	TO OR AT		FEET	FOOT	FOOT	EACH	EACH
DR-1	20	25+85	25+52.7	RT	191.5	145		1	
DR-2	22		600+23	LT & RT	12		32		2
TOTALS CARRIED TO GENERAL SUMMARY						145	32	1	2

1

UNDERDRAIN

REFERENCE	SHEET	STATION TO STATION FROM	STATION TO STATION TO	SIDE	NUMBER OF PARALLEL UNDERDRAIN RUNS	LENGTH	SP 605 6" SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP (30")	SP 605 6" BASE PIPE UNDERDRAIN WITH FABRIC WRAP (18")	INFO. ONLY CROSSES, BENDS, TEES & ELBOWS	SP 605 PRECAST REINFORCED CONCRETE OUTLET, AS PER PLAN
		FROM	TO			FEET	FOOT	FOOT	EACH	EACH
UD-1	19	18+70	23+35	EB-LT	N/A	540	540		2	1
UD-2	19	18+70	23+35	EB-RT	N/A	466	466			
UD-3	19	18+70	23+35	EB-RT	N/A	466		466		
UD-4	20	23+35	28+50	EB-LT	N/A	600	600		2	1
UD-5	20	23+35	28+50	EB-RT	N/A	545		545		
UD-6	20	23+35	28+50	EB-RT	N/A	82	82			
UD-7	20	28+50	33+70	EB-LT	N/A	572	572		2	1
UD-8	20	28+50	33+70	EB-RT	N/A	522	522			
UD-9	20	28+50	33+70	EB-RT	N/A	522		522		
UD-10	21	18+70	22+50	WB-RT	N/A	474	474		2	1
UD-11	21	18+70	22+50	WB-LT	N/A	384	384			
UD-12	21	18+70	22+50	WB-LT	N/A	384		384		
UD-13	22	22+50	29+00	WB-RT	N/A	765	765		2	1
UD-14	22	22+50	29+00	WB-LT	N/A	276	276			
UD-15	22	22+50	29+00	WB-LT	N/A	736		736		
UD-16	22	28+00	29+00	WB-LT	N/A	100	100			
UD-17	22	29+00	33+70	WB-RT	N/A	549	549		2	1
UD-18	22	29+00	33+70	WB-LT	N/A	474	474			
UD-19	22	29+00	33+70	WB-LT	N/A	474		474		
TOTALS CARRIED TO GENERAL SUMMARY							5804	3127	12	6

TRAFFIC CONTROL

STATION TO STATION			SIDE	LENGTH	SP 642 6" EDGE LINE, TYPE 1 (WHITE)	SP 642 6" EDGE LINE, TYPE 1 (YELLOW)
				FEET	MILE	MILE
PERMANENT TRAFFIC CONTROL						
GENERAL QUANTITIES						
18+70	TO	33+70	EB	1500	0.28	
18+70	TO	33+70	EB	1500		0.28
18+70	TO	33+70	WB	1500	0.28	
18+70	TO	33+70	WB	1500		0.28
TOTALS CARRIED TO GENERAL SUMMARY					0.56	0.56
COMBINED TOTALS CARRIED TO GENERAL SUMMARY					1.12	

DESIGN AGENCY
JACOBS
120 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE 617.426.6622

NO.	REVISIONS	BY	DATE
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-	-	-	-
-	-	-	-

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DRAWN AMS

LUCAS COUNTY
SUBSUMMARY
ESTIMATED QUANTITIES
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019
1 / 1
17 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
OHIO TURNPIKE

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STATION TO STATION			SIDE	LENGTH L	AVERAGE WIDTH W	SURFACE AREA, A A = L x W (NOT USED IN CALCS)	CAD GENERATED SURFACE AREA	209	SP 302	SP 302	SP 302	SP 304	SP 304	SP 402	SP 402	SP 404	SP 404	SP 407	SP 407	SP 404A
								LINEAR GRADING	ASPHALT CONCRETE BASE, PG 44-22 (T=4")	ASPHALT CONCRETE BASE, PG 64-22 (T=12")	ASPHALT CONCRETE BASE, PG 64-22 (SHOULDER) (T=8")	AGGREGATE BASE (T=6")	AGGREGATE BASE (SHOULDER) (T=10")	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE IN INTERMEDIATE COURSE, PG 76-22 (FR) (T=1-3/4")	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE IN INTERMEDIATE COURSE, PG 64-22 (T=1-3/4")	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 76-22 (FR) (T=1-1/2")	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG 64-22 (T=1-1/2")	NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE (APPLIED @ 0.06 GAL./S.Y.)	NON-TRACKING TACK COAT (APPLIED @ 0.075 GAL./S.Y.)	JOINT SEALER
				FEET	FEET	SQ. FT.	SQ. FT.	FOOT	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	GAL.	FOOT
FULL DEPTH PAVEMENT																				
18+70	TO	24+32	EB	562	-	-	24370			903		451		132		113		162	406	1124
27+23	TO	33+70	EB	647	-	-	27561			1021		510		149		128		184	459	1294
18+70	TO	25+27	WB	657	-	-	42482			1573		787		229		197		283	708	1314
27+23	TO	33+70	WB	647	-	-	43280			1603		801		234		200		289	721	1294
SHOULDERS/PARKING AREAS																				
18+70	TO	33+70	EB	-	-	-	36155				902		1234		195		167	241	301	
18+70	TO	33+70	WB	-	-	-	42220				1053		1440		228		195	281	352	
ACCESS ROADS																				
500+00	TO	502+96	EB	296	-	-	4877		60								23	33		
502+96	TO	527+65.59	EB	2469.59	-	-	40251	4939	497								186	268		
600+00	TO	604+92	WB	492	-	-	8528		105								39	57		
604+92	TO	610+11.73	WB	520.8	-	-	10089	1042	125								47	67		
TOTALS CARRIED TO GENERAL SUMMARY								5981	787	5100	1955	2550	2674	744	423	637	658	1865	2948	5026

EARTHWORK

SHEET	DESCRIPTION	203 EXCAVATION CU. YD.	203 EMBANKMENT CU. YD.	659 SEEDING AND MULCHING SQ. YD.
27	GRADING PLAN - SOUTH SITE	4508	4787	33124
28	GRADING PLAN - NORTH SITE	2878	3165	24045
30	EASTBOUND TOLL PLAZA SECTIONS	561	1003	801
31	EASTBOUND TOLL PLAZA SECTIONS	926	963	894
32	EASTBOUND TOLL PLAZA SECTIONS	984	475	560
33	EASTBOUND TOLL PLAZA SECTIONS	1068	1432	740
34	EASTBOUND TOLL PLAZA SECTIONS	782	943	1086
35	EASTBOUND TOLL PLAZA SECTIONS	650	647	1000
36	EASTBOUND TOLL PLAZA SECTIONS	38	156	87
37	WESTBOUND TOLL PLAZA SECTIONS	629	547	784
38	WESTBOUND TOLL PLAZA SECTIONS	1030	508	828
39	WESTBOUND TOLL PLAZA SECTIONS	4095	92	1166
40	WESTBOUND TOLL PLAZA SECTIONS	6874	311	1658
41	WESTBOUND TOLL PLAZA SECTIONS	4040	337	2239
42	WESTBOUND TOLL PLAZA SECTIONS	1471	312	1300
43	WESTBOUND TOLL PLAZA SECTIONS	56	74	31
44	EASTBOUND ACCESS ROAD SECTIONS	79	44	231
45	EASTBOUND ACCESS ROAD SECTIONS	102	6	254
46	EASTBOUND ACCESS ROAD SECTIONS	103	3	243
47	EASTBOUND ACCESS ROAD SECTIONS	91	3	210
48	WESTBOUND ACCESS ROAD SECTIONS	282	75	302
49	WESTBOUND ACCESS ROAD SECTIONS	470	15	448
50	WESTBOUND ACCESS ROAD SECTIONS	279	15	393
51	WESTBOUND ACCESS ROAD SECTIONS	364	15	438
52	WESTBOUND ACCESS ROAD SECTIONS	201	14	352
53	WESTBOUND ACCESS ROAD SECTIONS	63	10	187
54	WESTBOUND ACCESS ROAD SECTIONS	10	4	32
TOTALS CARRIED TO GENERAL SUMMARY		32634	15956	73433

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NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-

DESIGN AGENCY
JACOBS
120 ST. JAMES AVENUE, 5TH FLOOR
BOSTON, MA 02116
OFFICE 617-242-9222

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

SUBSUMMARY
PAVEMENT CALCULATIONS

PROJECT 39-20-02B
DATE: 12/20/2019

LUCAS COUNTY
TP 49

1 / 1

18
59

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SEEDING END WIDTH	SEEDING AREA (S.Y.)
39	219
40	222
40	222
40	138
43	0
TOTAL	801

39-20-02A WORK AREA | 39-20-02B WORK AREA

EB TOLL PLAZA ℄

EX. R/W

PROP. R/W

3:1

684.56
EB TOLL PLAZA 120+50.00
684.18
20+50.00
677.28

684.73
EB TOLL PLAZA 120+00.00
684.32
20+00.00
677.00

684.90
EB TOLL PLAZA 119+50.00
684.53
19+50.00
676.73

685.07
EB TOLL PLAZA 119+00.00
684.67
19+00.00
676.44

685.17
EB TOLL PLAZA 118+70.00
684.73
18+70.00
BEGIN EARTHWORK
676.27

690 / 680 / 670 / 660

60 80 100 120 140 160 180 200 220 240 260 280

EARTHWORK END AREA (S.F.) CUT	END AREA (S.F.) FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) FILL
106	151		
90	157	181	285
83	149	(160)	283
68	142	140	269
76	156	80	166
TOTAL		561	1003

DESIGN AGENCY
JACOBS®
135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED AMS | IN CHARGE CSM

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

EASTBOUND TOLL PLAZA CROSS SECTIONS
STA. 18+70 TO STA. 20+50
LUCAS COUNTY
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

1 / 7

30 / 59

OHIO TURNPIKE

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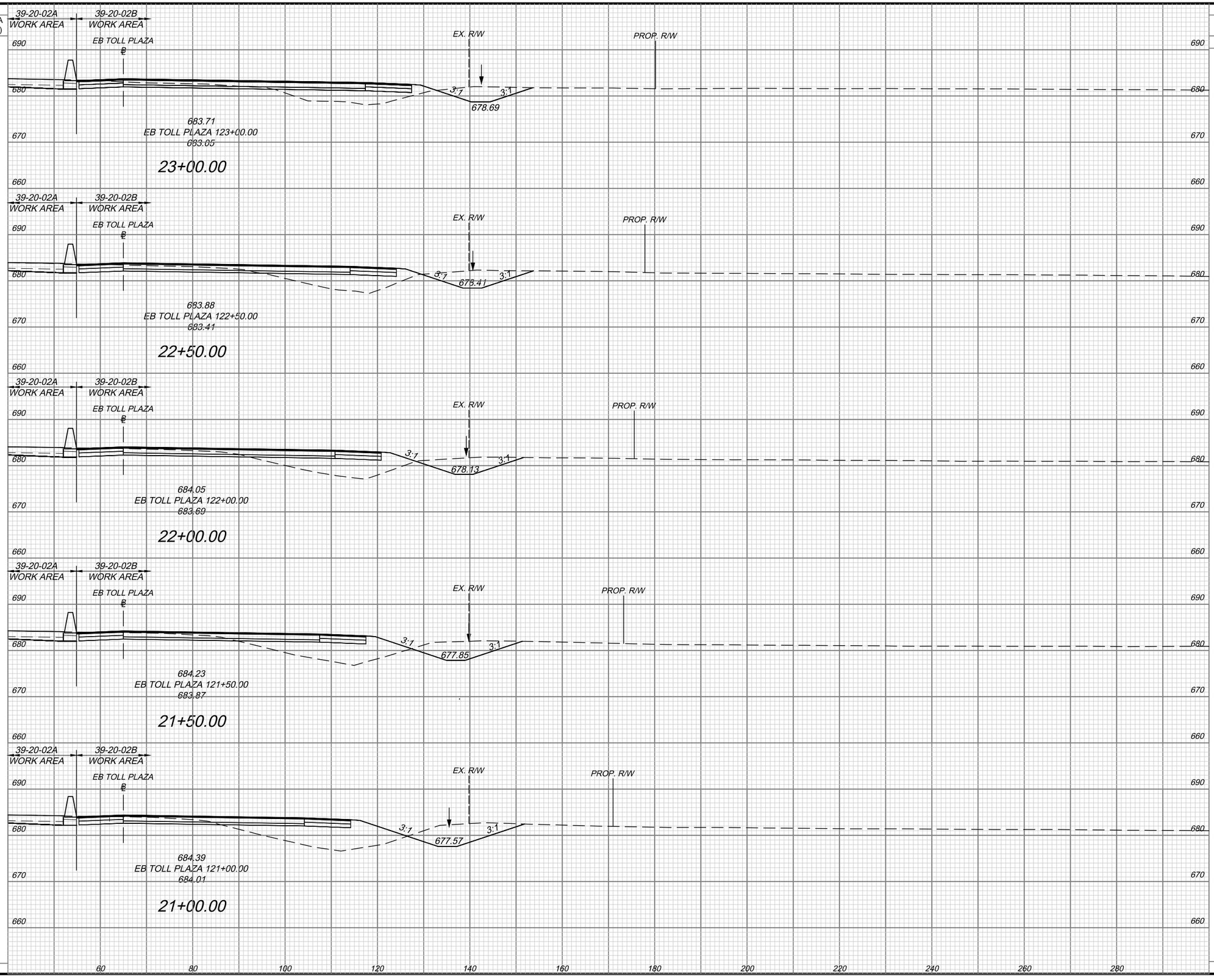
SEEDING END WIDTH	SEEDING AREA (S.Y.)
25	150
29	164
30	175
33	194
37	211
TOTAL	894



EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
80	68	166	135
99	78	180	159
95	94	183	187
103	108	197	221
110	131	200	261
TOTAL		926	963

DESIGN AGENCY
JACOBS
135 S.T. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-

DESIGNED	CHECKED
AMS	AMS
DRAWN	IN CHARGE
AMS	CSM

EASTBOUND TOLL PLAZA CROSS SECTIONS
STA. 21+00 TO STA. 23+00
LUCAS COUNTY TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

2 / 7

31 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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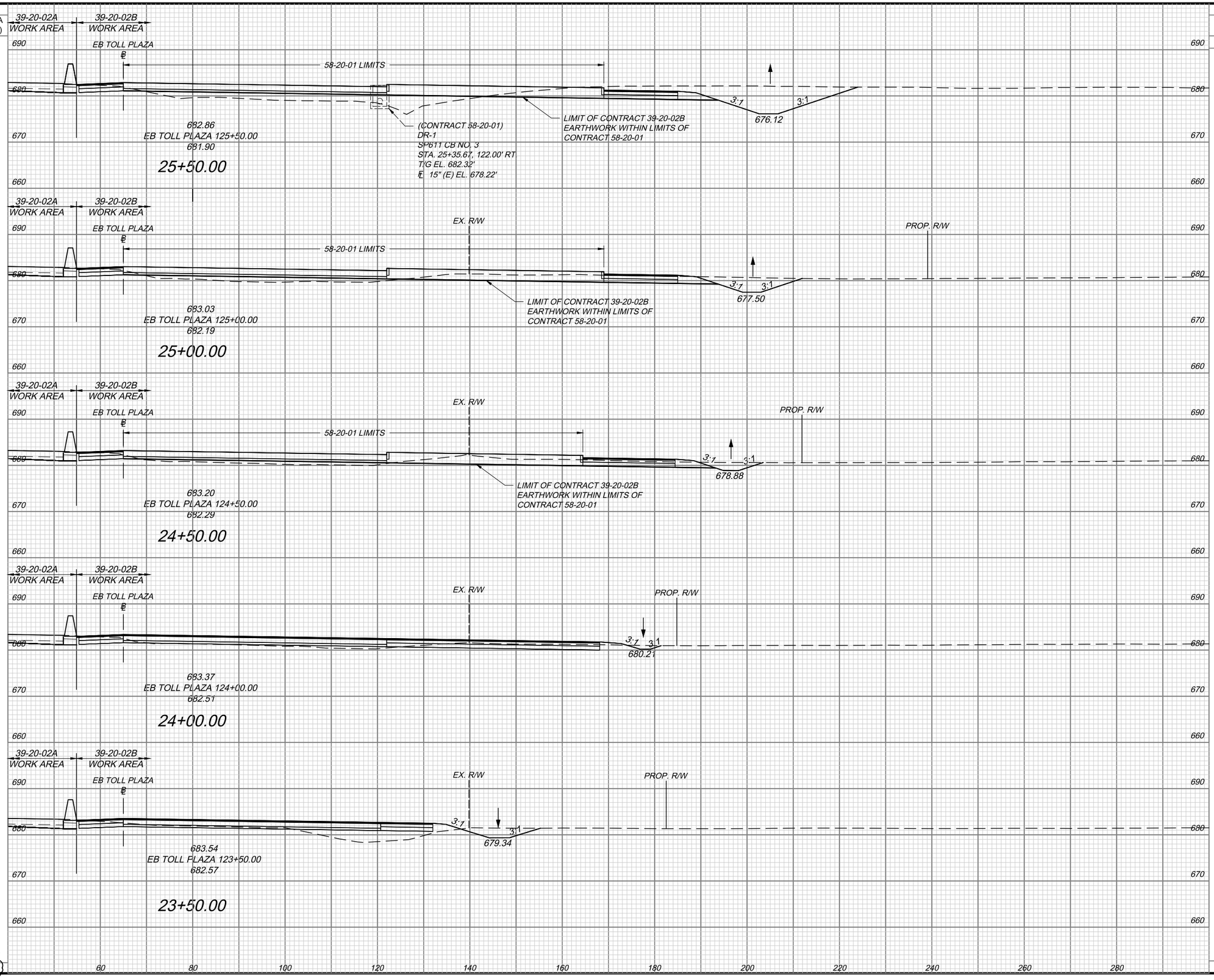
SEEDING END WIDTH	SEEDING AREA (S.Y.)
37	169
24	111
16	69
9	83
21	128
TOTAL	560



EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
241	119	358	160
146	54	243	85
116	38	163	48
60	14	101	66
49	57	119	116
TOTAL		984	475

DESIGN AGENCY
JACOBS
135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS
DRAWN AMS
CHECKED AMS
IN CHARGE CSM

EASTBOUND TOLL PLAZA CROSS SECTIONS
STA. 23+50 TO STA. 25+50
LUCAS COUNTY
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

3 / 7

32 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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CHECKED: DATE:
BACKCHECKED: DATE:

SEEDING END WIDTH	SEEDING AREA (S.Y.)
35	178
29	156
27	75
0	114
41	217
TOTAL	740

39-20-02A WORK AREA | 39-20-02B WORK AREA

EB TOLL PLAZA

682.01
EB TOLL PLAZA 128+00.00
680.75

28+00.00

PROPOSED SITE GRADING

4:1 676.36 4:1

(CONTRACT 58-20-01)
18" RCP OUTLET
STA. 27+95.75, 178.00' RT.
℄ 18" EL. 676.57'

682.18
EB TOLL PLAZA 127+50.00
681.00

27+50.00

58-20-01 LIMITS

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

95'-18" TYPE B, 706.02@0.5% (58-20-01)

PROPOSED SITE GRADING

4:1 4:1 676.55

682.35
EB TOLL PLAZA 127+00.00
681.16

27+00.00

58-20-01 LIMITS

(CONTRACT 58-20-01)
DR-5
SP611 CB NO. 3
STA. 27+25.00, 122.00' RT
T/G EL. 681.68'
℄ 18" (W) EL. 677.05'
℄ 18" (E) EL. 677.05'

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

4:1 676.72 4:1

682.52
EB TOLL PLAZA 126+50.00
681.35

26+50.00

58-20-01 LIMITS

BUILDING

SEE ACCESS ROAD PROFILE

137'-18" TYPE B, 706.02@0.5% (58-20-01)

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

(CONTRACT 58-20-01)
DR-2
SP611 CB NO. 3
STA. 25+84.67, 86.67' RT.
T/G EL. 682.70'
℄ 15" (N) EL. 677.96'
℄ 15" (S) EL. 677.96'

36'-15" TYPE B, 706.02@0.5% (58-20-01)

15'-15" TYPE B, 706.02@0.5% (58-20-01)

58-20-01 LIMITS

BUILDING

3:1 3:1 674.74

15'-15" TYPE B, 706.02@1.0% (58-20-01)

(CONTRACT 39-20-02A)
INLET NO.1-3B
STA. 25+85, 50.75' RT.
T/G EL. 682.14'
℄ 15" EL. 678.14'
24" UND. EL. 678.54'

682.69
EB TOLL PLAZA 126+00.00
681.60

26+00.00

(CONTRACT 58-20-01)
DR-3, SP611 CB NO. 3
STA. 25+84.67, 104.33' RT.
T/G EL. 682.42'
℄ 15" (N) EL. 677.81'
℄ 15" (S) EL. 677.81'

(CONTRACT 58-20-01)
DR-4, SP611 CB NO. 3
STA. 25+84.67, 122.00' RT.
T/G EL. 682.15'
℄ 15" (N) EL. 677.73'
℄ 15" (W) EL. 678.00'
℄ 18" (E) EL. 677.73'

TEMPORARY
142'-12" TYPE C , 707.33@0.5%

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

EARTHWORK END AREA (S.F.) CUT	END AREA (S.F.) FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) FILL
156	107	294	201
161	110	234	201
92	107	133	228
52	139	116	410
73	304	291	392
TOTAL		1068	1432

60 80 100 120 140 160 180 200 220 240 260 280

nnnnnXS01.dwg; 1/16/20 - 2:30pm

DESIGN AGENCY
JACOBS
135 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-241-5201

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED AMS | IN CHARGE CSM

EASTBOUND TOLL PLAZA CROSS SECTIONS
STA. 26+00 TO STA. 28+00
LUCAS COUNTY TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

4 / 7

33 / 59

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
OHIO TURNPIKE

CHECKING PRINT

CHECKED: _____ DATE: _____

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APPROVED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

nnnnnXS01.dwg; 1/16/20 - 2:30pm

SEEDING END WIDTH	SEEDING AREA (S.Y.)
36	194
34	197
37	217
41	247
48	231
TOTAL	1086

39-20-02A WORK AREA | 39-20-02B WORK AREA

EB TOLL PLAZA

PROPOSED SITE GRADING

4:1 | 675.47 | 4:1

681.16
EB TOLL PLAZA 130+50.00
679.87
30+50.00

4:1 | 675.63 | 4:1

681.33
EB TOLL PLAZA 130+00.00
680.03
30+00.00

4:1 | 675.79 | 4:1

681.50
EB TOLL PLAZA 129+50.00
680.31
29+50.00

4:1 | 675.95 | 4:4

681.67
EB TOLL PLAZA 129+00.00
680.52
29+00.00

4:1 | 676.11 | 4:1

681.84
EB TOLL PLAZA 128+50.00
680.59
28+50.00

690 / 680 / 670 / 660

60 80 100 120 140 160 180 200 220 240 260 280

EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
62	83	105	163
51	93	100	179
57	100	130	189
83	104	190	205
122	117	257	207
TOTAL		782	943

DESIGN AGENCY
JACOBS
139 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.5825

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED AMS | IN CHARGE CSM

EASTBOUND TOLL PLAZA CROSS SECTIONS
STA. 28+50 TO STA. 30+50
LUCAS COUNTY
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

5 / 7

34 / 59

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

CHECKING PRINT

CORRECTED: _____ DATE: _____

APPROVED: _____ DATE: _____

CHECKED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

nnnnnXS01.dwg; 1/16/20 - 2:30pm

SEEDING END WIDTH	SEEDING AREA (S.Y.)
10	147
43	231
40	219
39	206
35	197
TOTAL	1000

39-20-02A WORK AREA | 39-20-02B WORK AREA

EB TOLL PLAZA ℄

680.31
EB TOLL PLAZA 133+00.00
679.37
33+00.00

680.48
EB TOLL PLAZA 132+50.00
679.44
32+50.00

680.65
EB TOLL PLAZA 132+00.00
679.50
32+00.00

680.82
EB TOLL PLAZA 131+50.00
679.36
31+50.00

680.99
EB TOLL PLAZA 131+00.00
679.72
31+00.00

SEE CONTRACT 39-20-02A FOR PROPOSED BMP

PROPOSED SITE GRADING

4:1

674.83

674.99

675.15

675.31

690 / 680 / 670 / 660

60 80 100 120 140 160 180 200 220 240 260 280

EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
14	62		
		103	107
97	54		
		170	112
87	67		
		143	128
67	71		
		119	144
62	85		
		115	156
TOTAL		650	647

DESIGN AGENCY
JACOBS
135 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED AMS | IN CHARGE CSM

EASTBOUND TOLL PLAZA CROSS SECTIONS
STA. 31+00 TO STA. 33+00
LUCAS COUNTY TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

6 / 7

35 / 59

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

CHECKING PRINT

CHECKED:_____ DATE: _____ CORRECTED:_____ DATE: _____

BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

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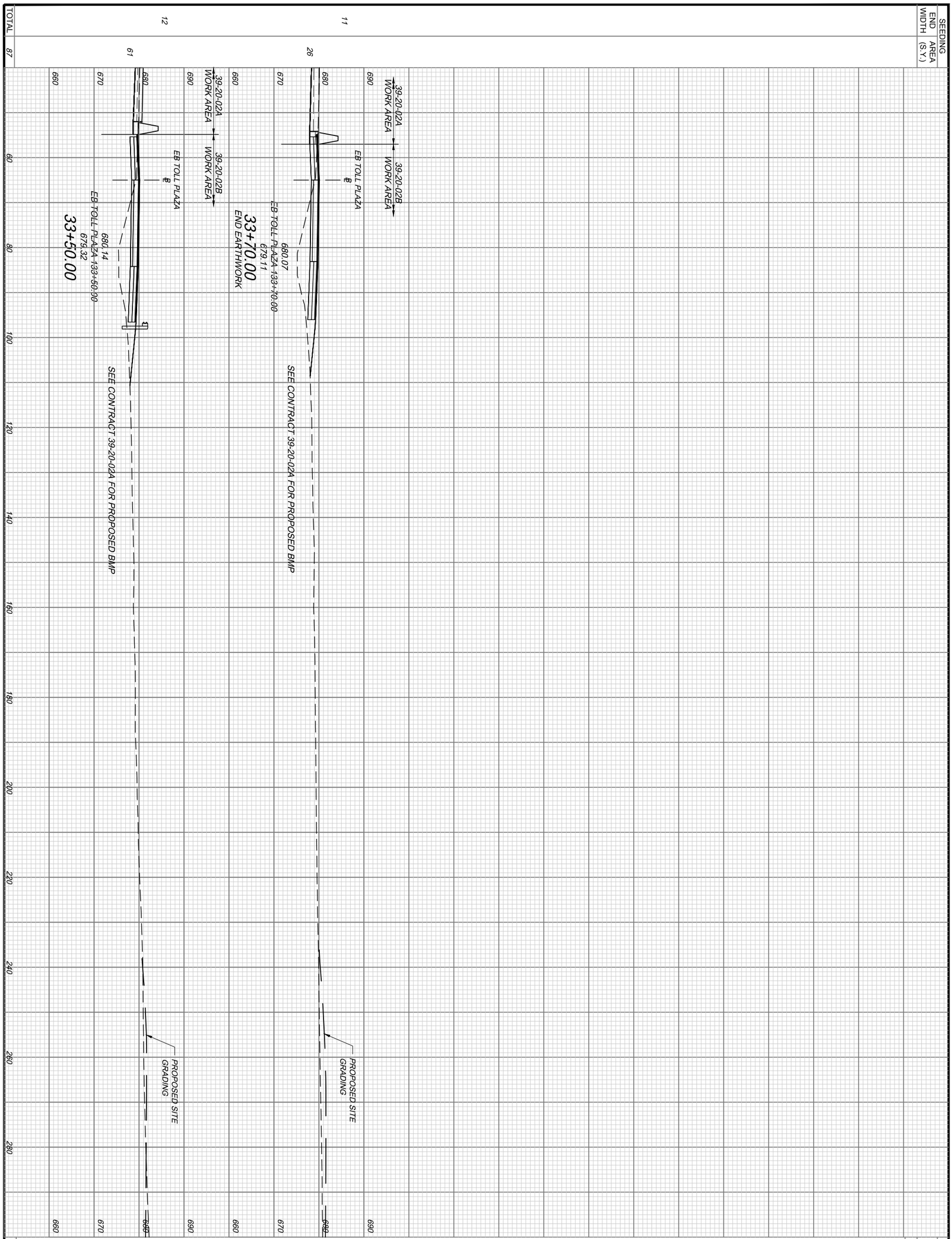


7	7	PROJECT 39-20-02B	EASTBOUND TOLL PLAZA CROSS SECTIONS	DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
36	59	DATE: 12/20/2019	STA. 33+50 TO STA. 33+70	AMS	AMS	1	ADDENDUM NO. 2	AMS	1/15/20
		TP 49	LUCAS COUNTY	DRAWN	IN CHARGE	-	-	-	-
				AMS	CSM	-	-	-	-

DESIGN AGENCY

JACOBS

120 ST JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

CHECKING PRINT

CHECKED: _____ DATE: _____

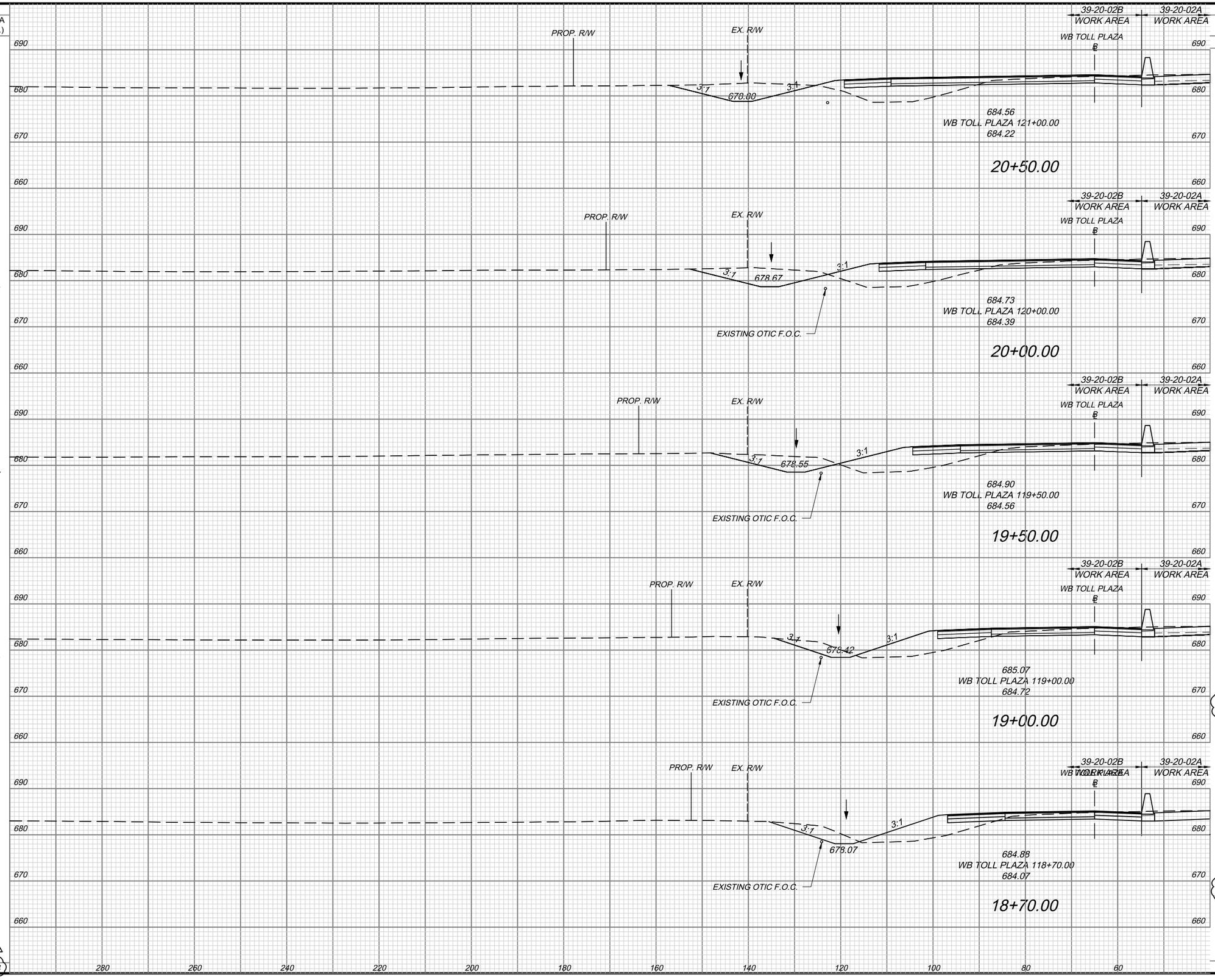
CORRECTED: _____ DATE: _____

APPROVED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

nnnnnXS02.dwg; 1/16/20 - 1:35pm

SEEDING		EARTHWORK			
END WIDTH	AREA (S.Y.)	END AREA (S.F.) CUT	END AREA (S.F.) FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) FILL
37	214	116	76		
40	231	113	87	212	151
43	217	98	91	195	165
35	122	67	73	153	152
38	0	57	70	69	79
TOTAL	784	TOTAL		629	547



DESIGN AGENCY
JACOBS
135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED AMS | IN CHARGE CSM

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

WESTBOUND TOLL PLAZA CROSS SECTIONS
STA. 18+70 TO STA. 20+50
LUCAS COUNTY
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

1 / 7

37 / 59

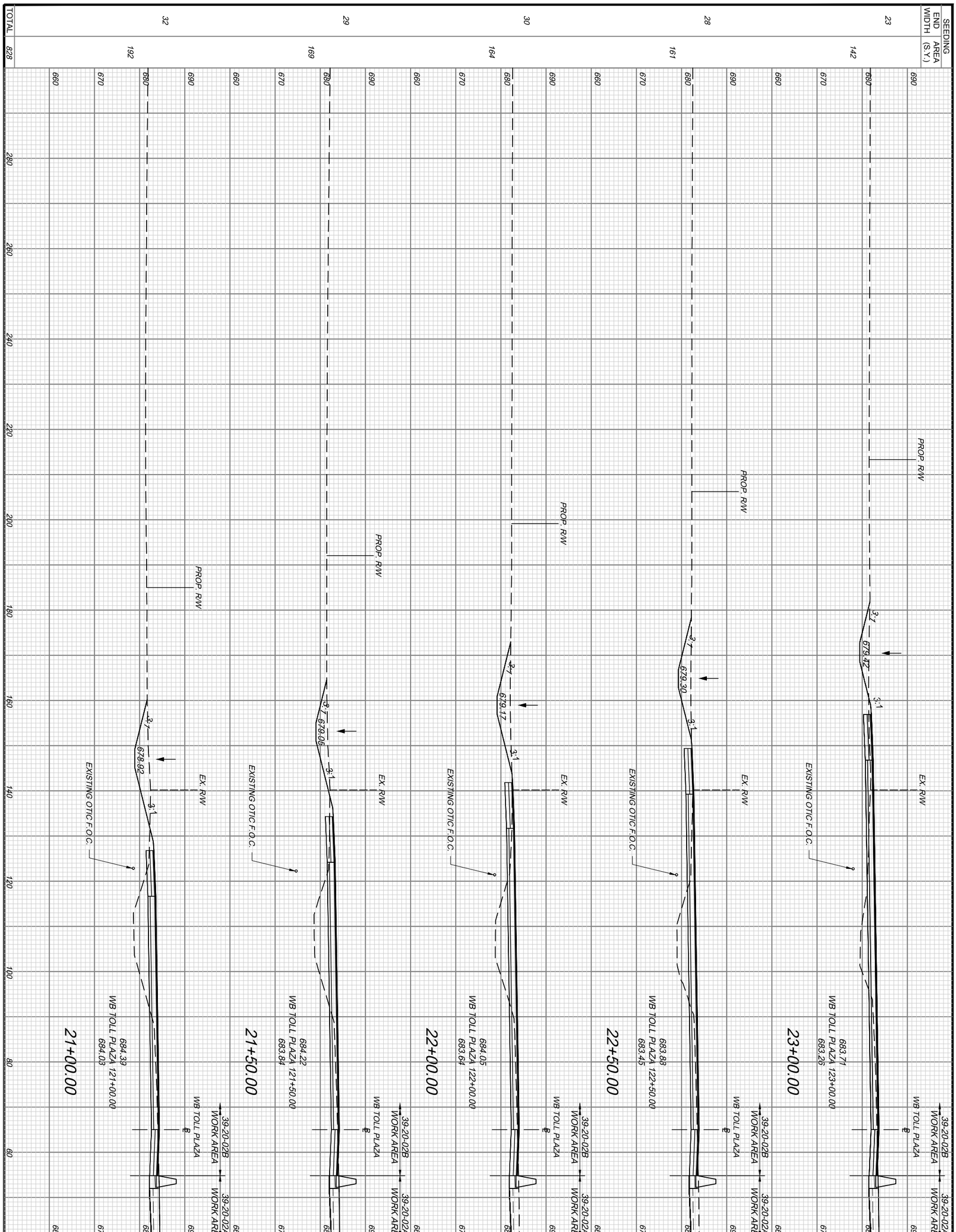
OHIO TURNPIKE

CHECKING PRINT

CHECKED:_____ DATE: _____ CORRECTED:_____ DATE: _____

BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

nnnnnXS02.dwg; 1/16/20 - 1:35pm



38 59	2 7	PROJECT 39-20-02B	WESTBOUND TOLL PLAZA CROSS SECTIONS STA. 21+00 TO STA. 23+00	DESIGNED AMS	CHECKED AMS	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	TP 49 LUCAS COUNTY	DRAWN AMS	IN CHARGE CSM	1	ADDENDUM NO. 2	AMS	1/15/20
						-	-	-	-
						-	-	-	-

DESIGN AGENCY

JACOBS®

130 ST JAMES AVENUE, 9TH FLOOR BOSTON, MA 02116 OFFICE: 617-242-9222

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

CHECKING PRINT

CORRECTED: _____ DATE: _____

APPROVED: _____ DATE: _____

CHECKED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

nnnnnXS02.dwg; 1/16/20 - 1:35pm

SEEDING END WIDTH	SEEDING AREA (S.Y.)
51	283
51	272
47	228
35	208
40	175
TOTAL	1166

EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
712	16		
		1288	28
679	14		
		1132	26
544	14		
		912	13
441	0		
		537	0
139	0		
		226	25
TOTAL		4096	92

690 / 680 / 670 / 660

39-20-02B WORK AREA

39-20-02A WORK AREA

WB TOLL PLAZA ℄

58-20-01 LIMITS

BUILDING

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

EXISTING OTIC F.O.C.

682.86
WB TOLL PLAZA 125+50.00
682.10

25+50.00

683.03
WB TOLL PLAZA 125+00.00
682.35

25+00.00

683.20
WB TOLL PLAZA 124+50.00
682.50

24+50.00

683.37
WB TOLL PLAZA 124+00.00
682.79

24+00.00

683.54
WB TOLL PLAZA 123+50.00
683.03

23+50.00

6:1 676.91 6:1

6:1 677.08 6:1

6:1 678.32 10:1

12:1 2.3%
680.52

280 260 240 220 200 180 160 140 120 100 80 60

DESIGN AGENCY
JACOBS®
135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.242.9222

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS
DRAWN AMS
CHECKED AMS
IN CHARGE CSM

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

WESTBOUND TOLL PLAZA CROSS SECTIONS
STA. 23+50 TO STA. 25+50
LUCAS COUNTY
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

3 / 7

39 / 59

OHIO TURNPIKE

CHECKING PRINT

CORRECTED: _____ DATE: _____

APPROVED: _____ DATE: _____

CHECKED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

nnnnnXS02.dwg; 1/16/20 - 1:35pm

SEEDING	
END WIDTH	AREA (S.Y.)
70	386
69	361
61	322
55	300
53	289
TOTAL	1658

EARTHWORK			
END AREA (S.F.)		VOLUME (C.Y.)	
CUT	FILL	CUT	FILL
856	30		
		1490	69
753	44		
		1372	78
729	40		
		1345	68
724	33		
		1339	56
722	27		
		1328	40
TOTAL	6874	311	

690 680 670 660

6:1 675.89 6:1

58-20-01 LIMITS

39-20-02B WORK AREA | 39-20-02A WORK AREA

WB TOLL PLAZA ℄

EXISTING OTIC F.O.C.

682.01

WB TOLL PLAZA 128+00.00

680.95

28+00.00

(CONTRACT 58-20-01)
DR-13
SP611 CB NO. 3
STA. 27+83.80, 172.58' LT.
T/G EL. 680.30'
℄ 18" (W) EL. 674.97'
℄ 18" (E) EL. 674.97'

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

6:1 676.06 6:1

58-20-01 LIMITS

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

(CONTRACT 58-20-01)
DR-12
SP611 CB NO. 3
STA. 27+54.66, 157.33' LT.
T/G EL. 680.65'
℄ 18" (W) EL. 675.12'
℄ 18" (E) EL. 675.12'

39-20-02B WORK AREA | 39-20-02A WORK AREA

WB TOLL PLAZA ℄

EXISTING OTIC F.O.C.

682.18

WB TOLL PLAZA 127+50.00

678.13

27+50.00

6:1 676.23 6:1

58-20-01 LIMITS

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

139'-18" TYPE B, 706.02@0.5% (58-20-01)

39-20-02B WORK AREA | 39-20-02A WORK AREA

WB TOLL PLAZA ℄

EXISTING OTIC F.O.C.

682.35

WB TOLL PLAZA 127+00.00

681.36

18'-15" RCP TYPE B, 706.02 @ 5.50% (39-20-01)

27+00.00

6:1 676.40 6:1

58-20-01 LIMITS

BUILDING

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

139'-18" TYPE B, 706.02@0.5% (58-20-01)

39-20-02B WORK AREA | 39-20-02A WORK AREA

WB TOLL PLAZA ℄

EXISTING OTIC F.O.C.

682.52

WB TOLL PLAZA 126+50.00

681.58

26+50.00

6:1 676.57 6:1

58-20-01 LIMITS

BUILDING

LIMIT OF CONTRACT 39-20-02B EARTHWORK WITHIN LIMITS OF CONTRACT 58-20-01

15'-15" TYPE B, 706.02@1.0% (58-20-01)

(CONTRACT 58-20-01)
DR-7
SP611 CB NO. 3
STA. 26+11.33, 157.33' LT.
T/G EL. 681.11'
℄ 15" (S) EL. 676.09'
℄ 15" (W) EL. 676.07'
℄ 18" (E) EL. 675.82'

(CONTRACT 58-20-01)
DR-9
SP611 CB NO. 3
STA. 26+11.33, 122.00' LT.
T/G EL. 681.58'
℄ 15" (S) EL. 676.56'
℄ 15" (N) EL. 676.33'

(CONTRACT 58-20-01)
DR-10
SP611 CB NO. 3
STA. 26+11.33, 139.66' LT.
T/G EL. 681.35'
℄ 15" (S) EL. 676.33'
℄ 15" (N) EL. 676.09'

15'-15" TYPE B, 706.02@1.0% (58-20-01)

(CONTRACT 58-20-01)
DR-10
SP611 CB NO. 3
STA. 26+11.33, 104.33' LT.
T/G EL. 681.82'
℄ 15" (S) EL. 676.80'
℄ 15" (N) EL. 676.56'

(CONTRACT 58-20-01)
DR-11
SP611-D## CB NO. 3
STA. 26+11.33, 72.66' LT.
T/G EL. 682.05'
℄ 15" (N) EL. 677.03'

15'-15" TYPE B, 706.02@1.0% (58-20-01)

39-20-02B WORK AREA | 39-20-02A WORK AREA

WB TOLL PLAZA ℄

EXISTING OTIC F.O.C.

682.69

WB TOLL PLAZA 126+00.00

681.73

26+00.00

280 260 240 220 200 180 160 140 120 100 80 60

DESIGN AGENCY

JACOBS

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED	CHECKED
AMS	AMS
DRAWN	IN CHARGE
AMS	CSM

PROJECT 39-20-02B

DATE: 12/20/2019

TP 49

4 / 7

40 / 59

WESTBOUND TOLL PLAZA CROSS SECTIONS
STA. 26+00 TO STA. 28+00

LUCAS COUNTY

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

CHECKING PRINT

CHECKED:_____ DATE: _____ CORRECTED:_____ DATE: _____

BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

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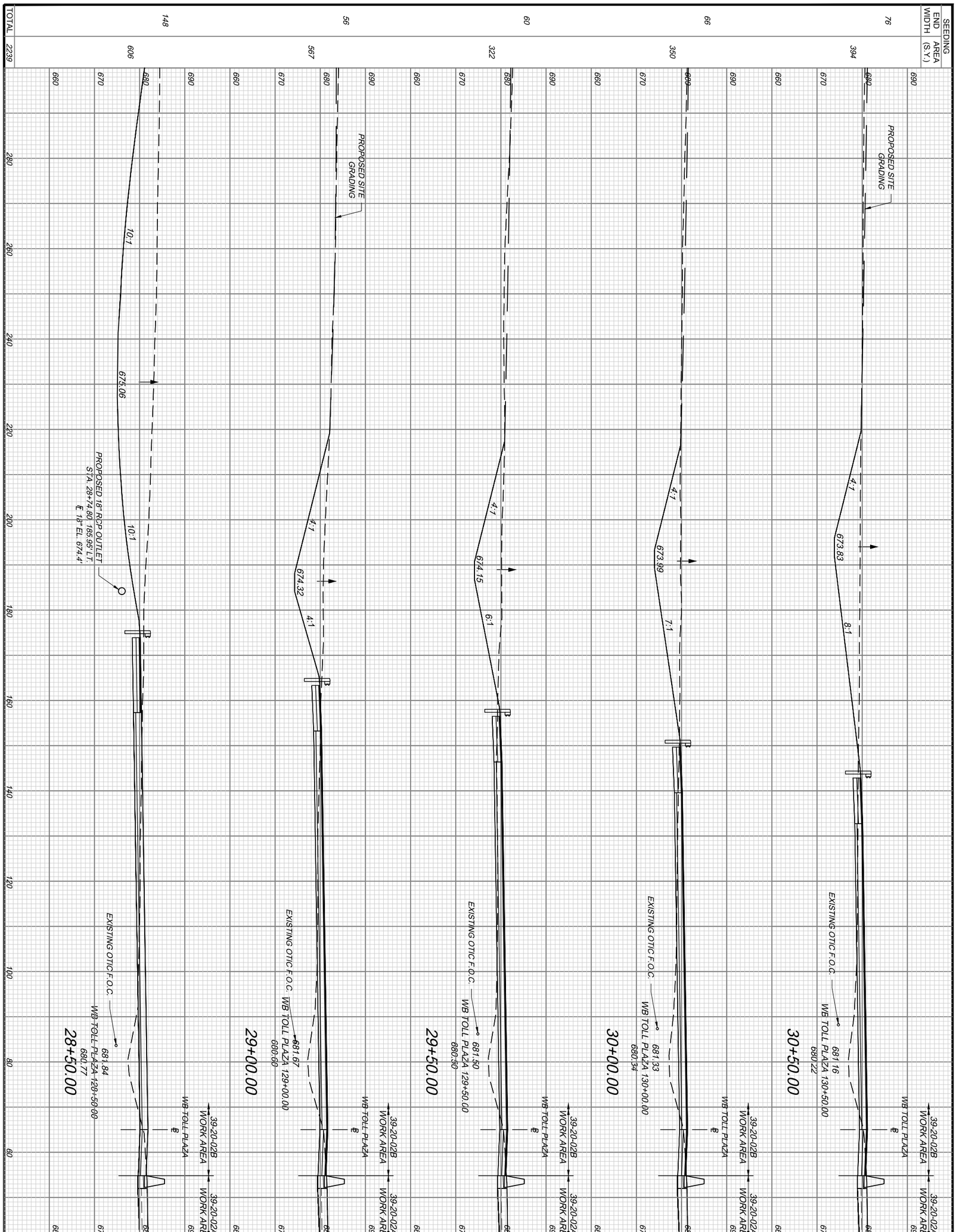

DESIGNED	CHECKED
AMS	AMS
DRAWN	IN CHARGE
AMS	CSM

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-

DESIGN AGENCY

JACOBS

130 ST JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

41/59 | 5/7

PROJECT 39-20-02B

DATE: 12/20/2019

WESTBOUND TOLL PLAZA CROSS SECTIONS
STA. 28+50 TO STA. 30+50

TP 49

LUCAS COUNTY

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

CHECKING PRINT

CORRECTED: _____ DATE: _____

APPROVED: _____ DATE: _____

CHECKED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

nnnnnXS02.dwg; 1/16/20 - 1:35pm

SEEDING	
END WIDTH	AREA (S.Y.)
4	25
5	28
5	286
98	511
86	450
TOTAL	1300

EARTHWORK			
END AREA (S.F.)		VOLUME (C.Y.)	
CUT	FILL	CUT	FILL
24	30		
28	27	48	53
28	31	52	54
273	42	328	60
326	34	555	70
TOTAL		1471	312

39-20-02B WORK AREA

39-20-02A WORK AREA

WB TOLL PLAZA

SEE CONTRACT 39-20-02A FOR PROPOSED BMP

EXISTING OTIC F.O.C.

680.31
WB TOLL PLAZA 133+00.00
679.36

33+00.00

680.48
WB TOLL PLAZA 132+50.00
679.52

32+50.00

680.65
WB TOLL PLAZA 132+00.00
679.65

32+00.00

680.82
WB TOLL PLAZA 131+50.00
679.84

31+50.00

680.99
WB TOLL PLAZA 131+00.00
680.04

31+00.00

EXISTING 30" OUTLET
STA. 32+10.00, 157.91' LT.
ft. 30" EL. ???
SEE PIPE EXTENSION BY 39-20-02A

PROPOSED SITE GRADING

6:1

3:1

8:1

273.66

280 260 240 220 200 180 160 140 120 100 80 60

DESIGN AGENCY

JACOBS

135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/15/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS | DRAWN AMS | CHECKED AMS | IN CHARGE CSM

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

LUCAS COUNTY

WESTBOUND TOLL PLAZA CROSS SECTIONS
STA. 31+00 TO STA. 33+00

TP 49

PROJECT 39-20-02B

DATE: 12/20/2019

6 / 7

42 / 59

OHIO TURNPIKE

CHECKING PRINT

CHECKED:_____ DATE: _____ CORRECTED:_____ DATE: _____

BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

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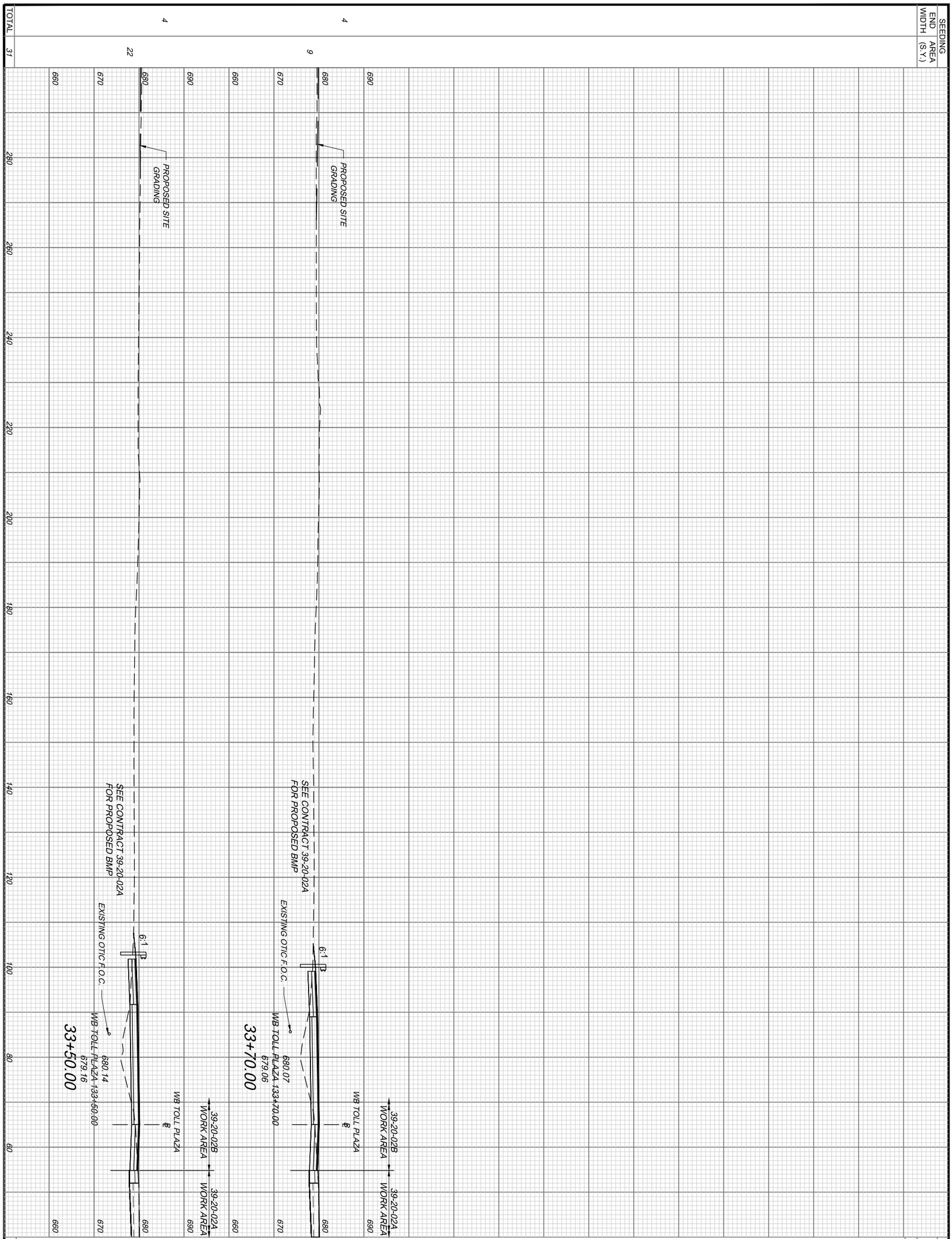

43/59	7/7	PROJECT 39-20-02B DATE: 12/20/2019	WESTBOUND TOLL PLAZA CROSS SECTIONS STA. 33+50 TO STA. 33+70.00 TP 49 LUCAS COUNTY	DESIGNED AMS	CHECKED AMS	NO.	REVISIONS	BY	DATE
				DRAWN AMS	IN CHARGE CSM	1	ADDENDUM NO. 2	AMS	1/15/20
						-	-	-	-
						-	-	-	-

DESIGN AGENCY
JACOBS
130 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

CHECKING PRINT

CORRECTED: _____ DATE: _____

APPROVED: _____ DATE: _____

CHECKED: _____ DATE: _____

BACKCHECKED: _____ DATE: _____

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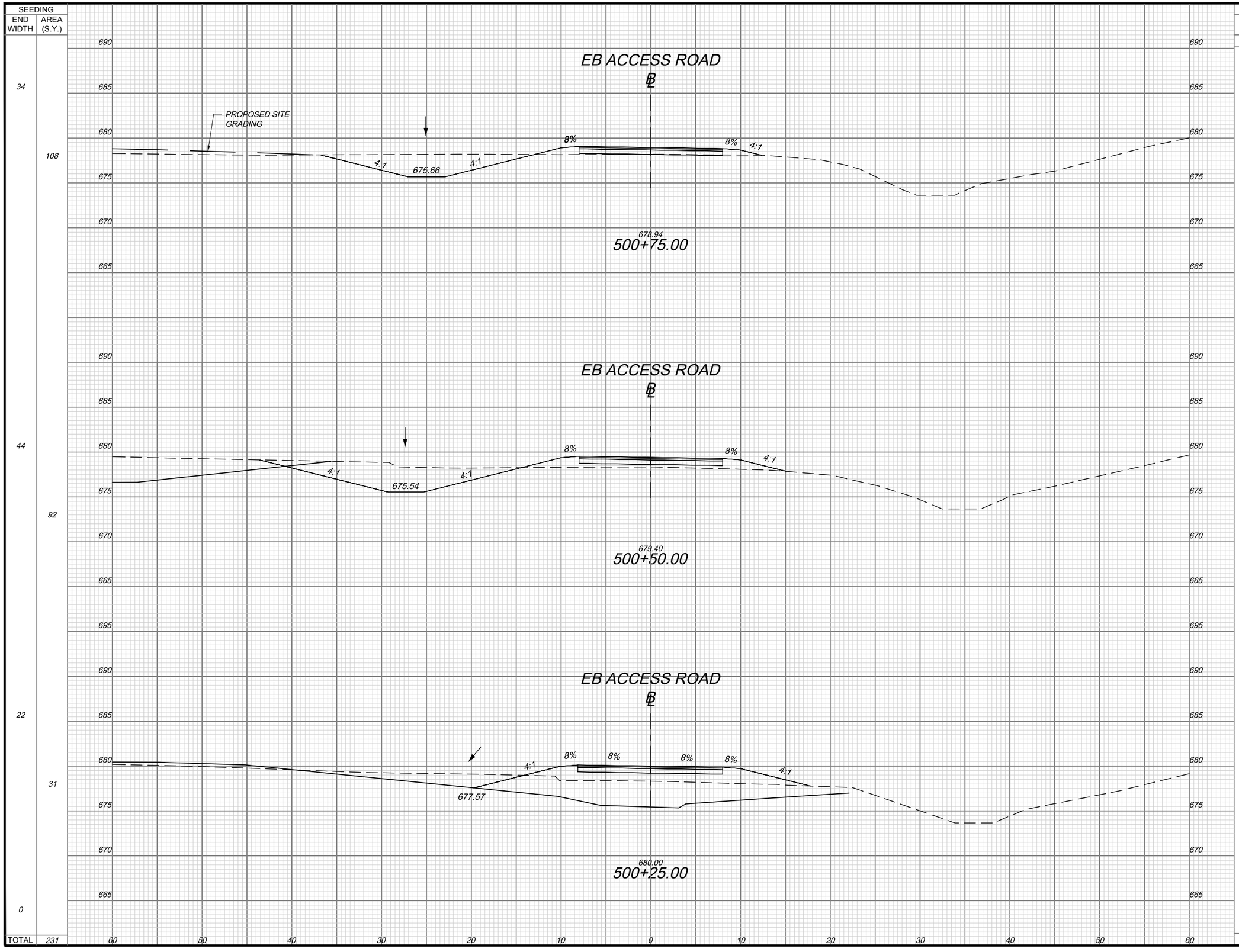


SEEDING END WIDTH	SEEDING AREA (S.Y.)
34	108
44	92
22	31
0	
TOTAL	231

EARTHWORK END AREA (S.F.) CUT	EARTHWORK END AREA (S.F.) FILL	EARTHWORK VOLUME (C.Y.) CUT	EARTHWORK VOLUME (C.Y.) FILL
36	5	40	9
50	15	31	21
18	31	8	14
0	0		
TOTAL		79	44

DESIGN AGENCY
JACOBS
135 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617.422.3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/16/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS
DRAWN AMS
CHECKED AMS
IN CHARGE CSM

EASTBOUND ACCESS ROAD CROSS SECTIONS
STA. 500+25 TO STA. 500+75
LUCAS COUNTY
TP 49

PROJECT 39-20-02B
DATE: 12/20/2019

1 / 4

44 / 59

OHIO TURNPIKE

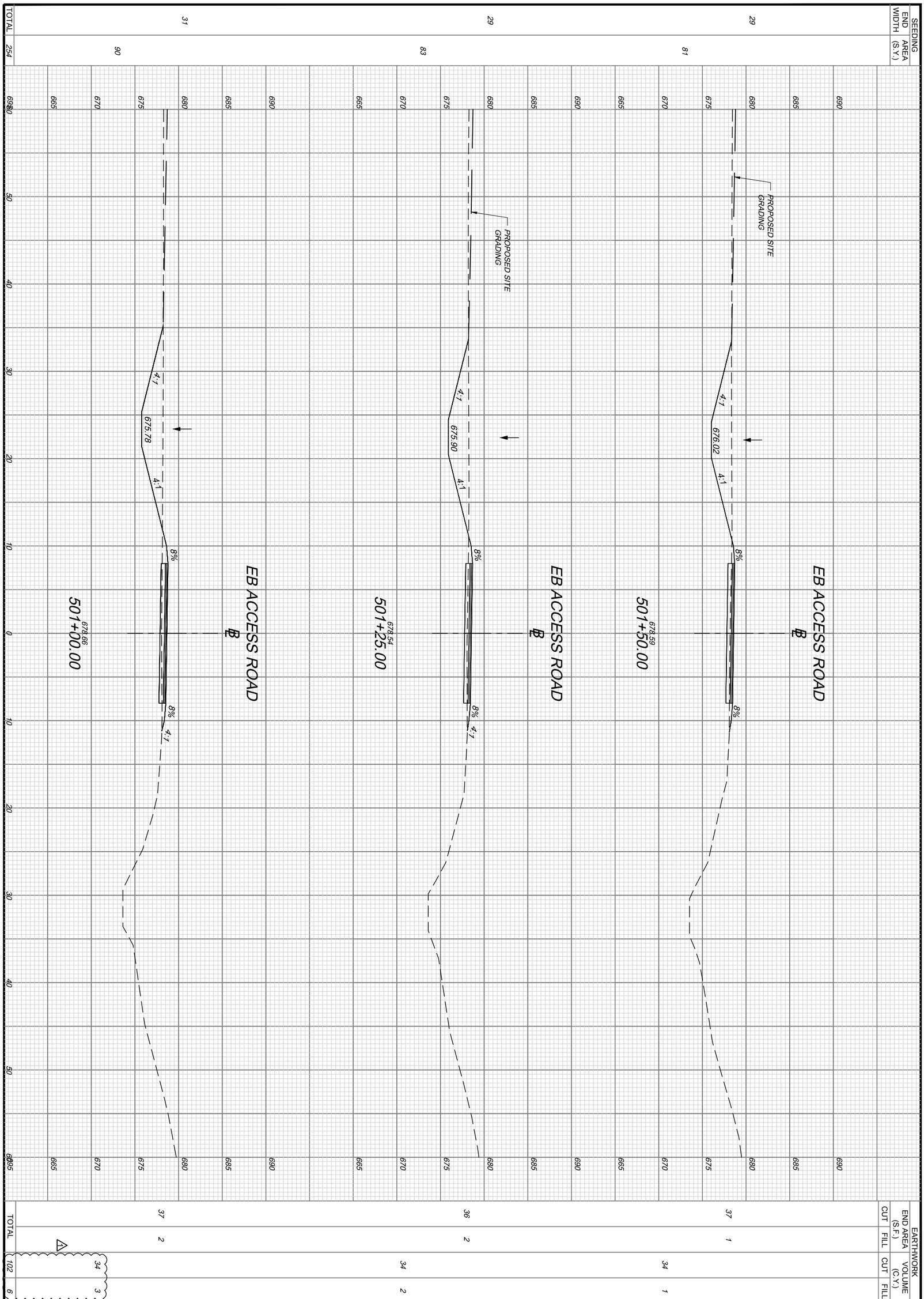
OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

CHECKING PRINT

CHECKED:_____ DATE: _____ CORRECTED:_____ DATE: _____

BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

nnnnnXS03.dwg; 1/16/20 - 1:36pm



45/59	2/4	PROJECT 39-20-02B	EASTBOUND ACCESS ROAD CROSS SECTIONS	DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	STA. 501+00 TO STA. 501+50	AMS	AMS	1	ADDENDUM NO. 2	AMS	1/16/20
		TP 49	LUCAS COUNTY	DRAWN	IN CHARGE	-	-	-	-
				AMS	CSM	-	-	-	-

DESIGN AGENCY

JACOBS®

130 ST. JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

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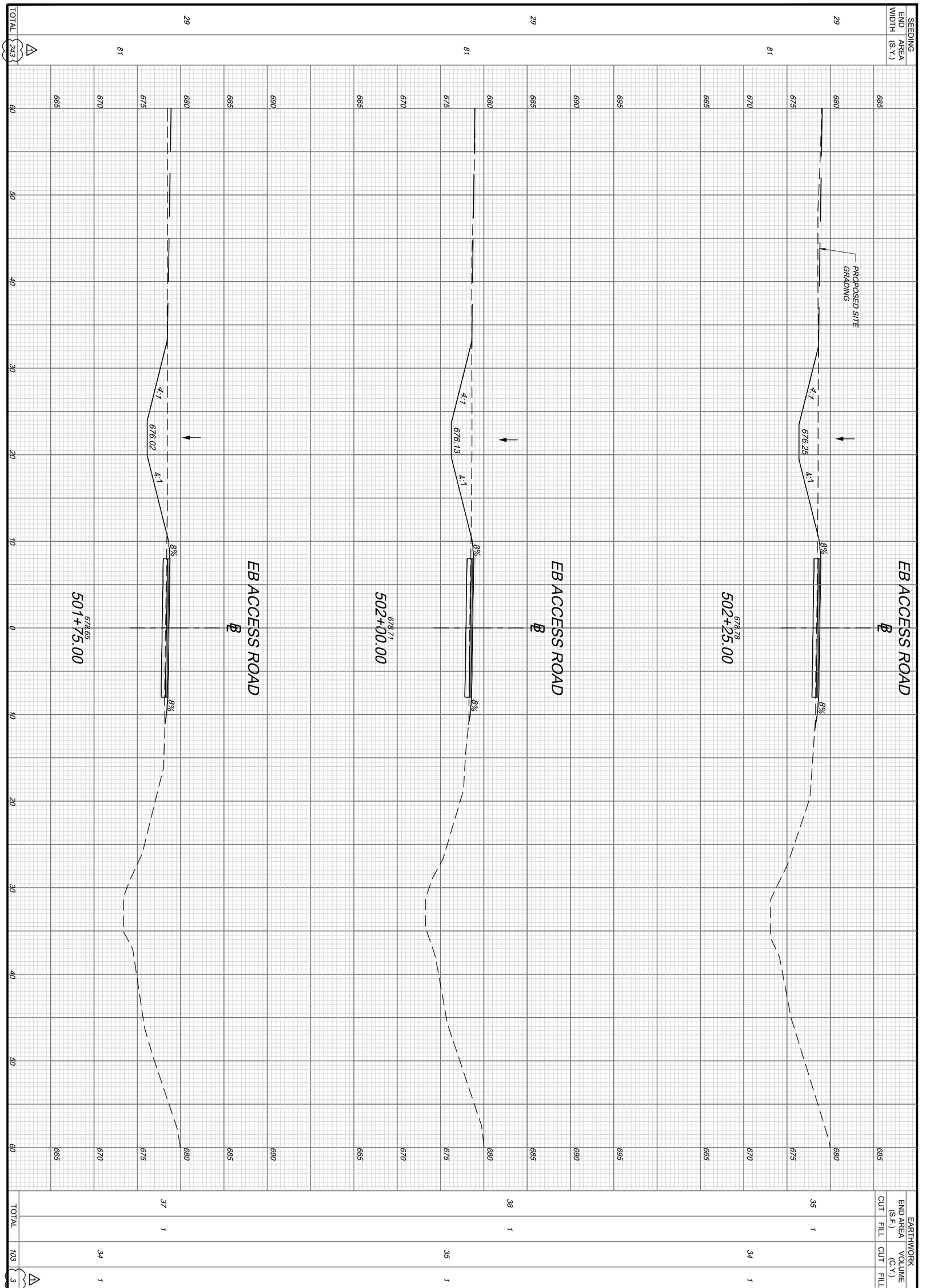

3/4	PROJECT 39-20-02B	EASTBOUND ACCESS ROAD CROSS SECTIONS	DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE	DESIGN AGENCY
46/59	DATE: 12/20/2019	STA. 501+75 TO STA. 502+25	AMS	AMS	1	ADDENDUM NO. 2	AMS	1/16/20	JACOBS
	TP 49	LUCAS COUNTY	DRAWN	IN CHARGE	-	-	-	-	130 ST JAMES AVENUE, 9TH FLOOR BOSTON, MA 02116 OFFICE: 617-242-9222
			AMS	CSM	-	-	-	-	

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OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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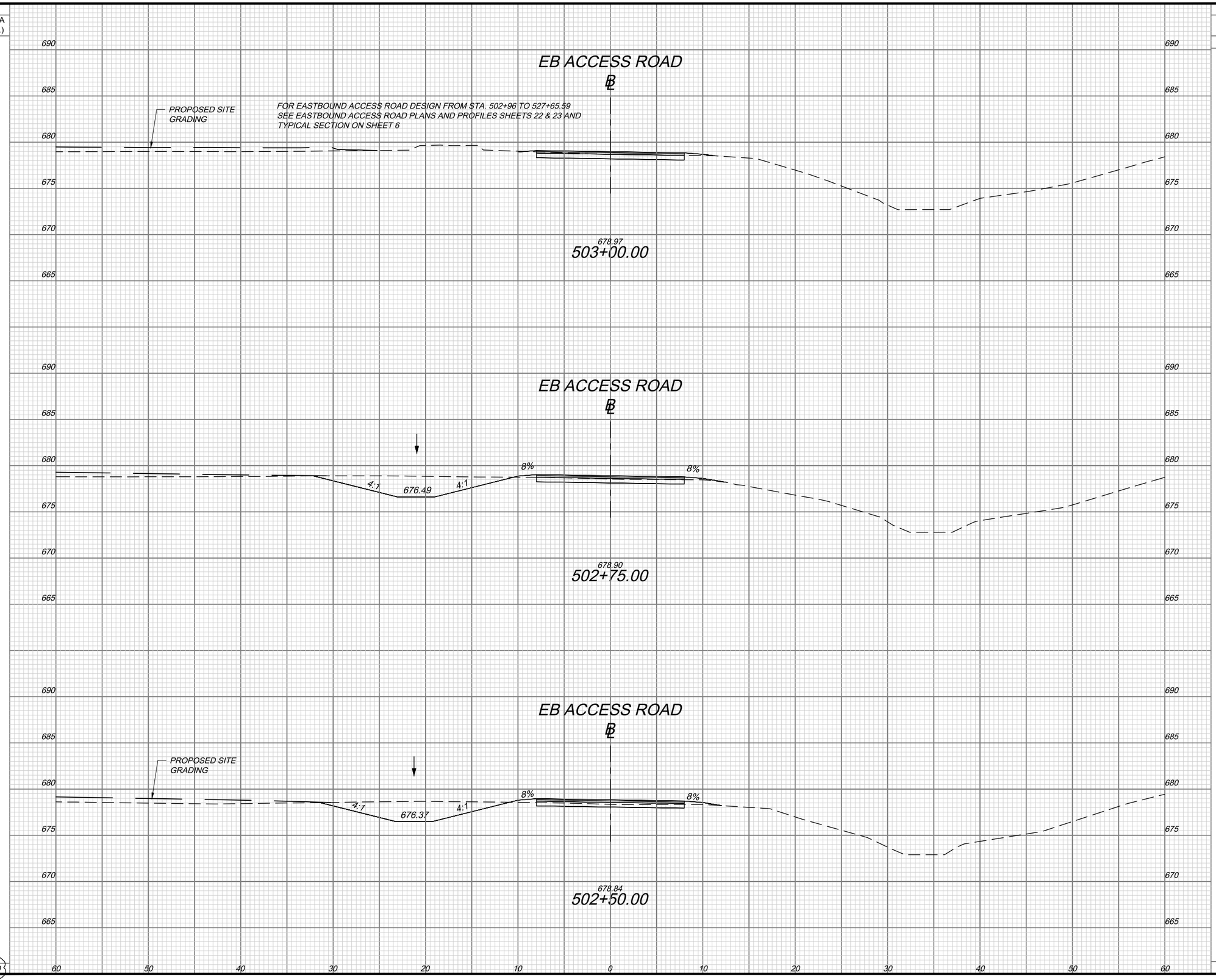

SEEDING	
END WIDTH	AREA (S.Y.)
3	44
29	79
28	79
TOTAL	210

EARTHWORK			
END AREA (S.F.)		VOLUME (C.Y.)	
CUT	FILL	CUT	FILL
9	1		
		21	1
36	1		
		31	1
32	2		
		31	1
TOTAL		91	3

DESIGN AGENCY

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139 ST. JAMES AVENUE, 8TH FLOOR
BOSTON, MA 02116
OFFICE: 617-422-3223

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/16/20
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED AMS
DRAWN AMS
CHECKED AMS
IN CHARGE CSM

LUCAS COUNTY

EASTBOUND ACCESS ROAD CROSS SECTIONS
STA. 50+50 TO STA. 503+00

TP 49

PROJECT 39-20-02B

DATE: 12/20/2019

4 / 4

47
59

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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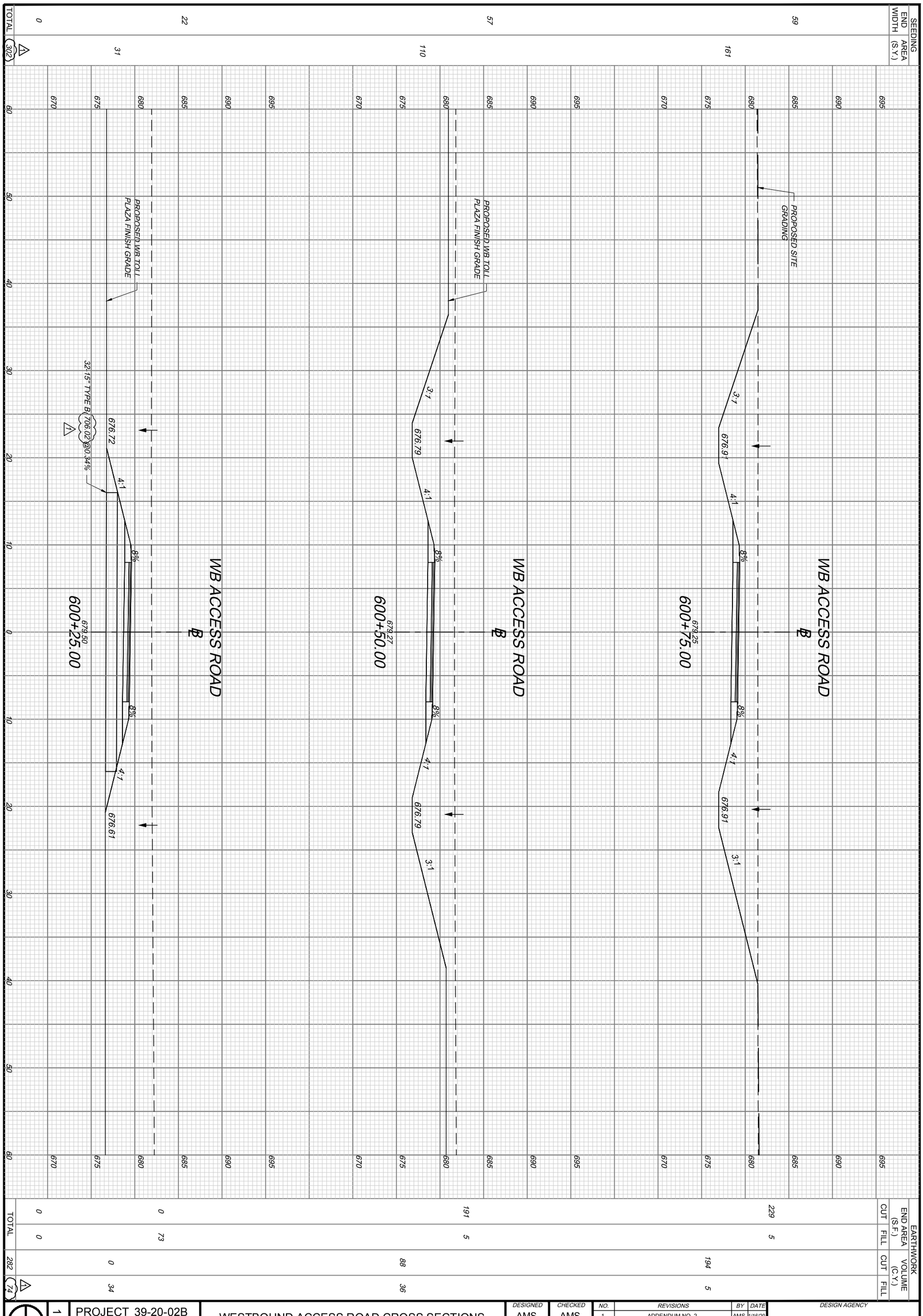

48/59	1/7	PROJECT 39-20-02B	WESTBOUND ACCESS ROAD CROSS SECTIONS	DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	STA. 600+25TO STA. 600+75	AMS	AMS	1	ADDENDUM NO. 2	AMS	1/16/20
		TP 49	LUCAS COUNTY	DRAWN	IN CHARGE	-	-	-	-
				AMS	CSM	-	-	-	-

DESIGN AGENCY

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OHIO TURNPIKE

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BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

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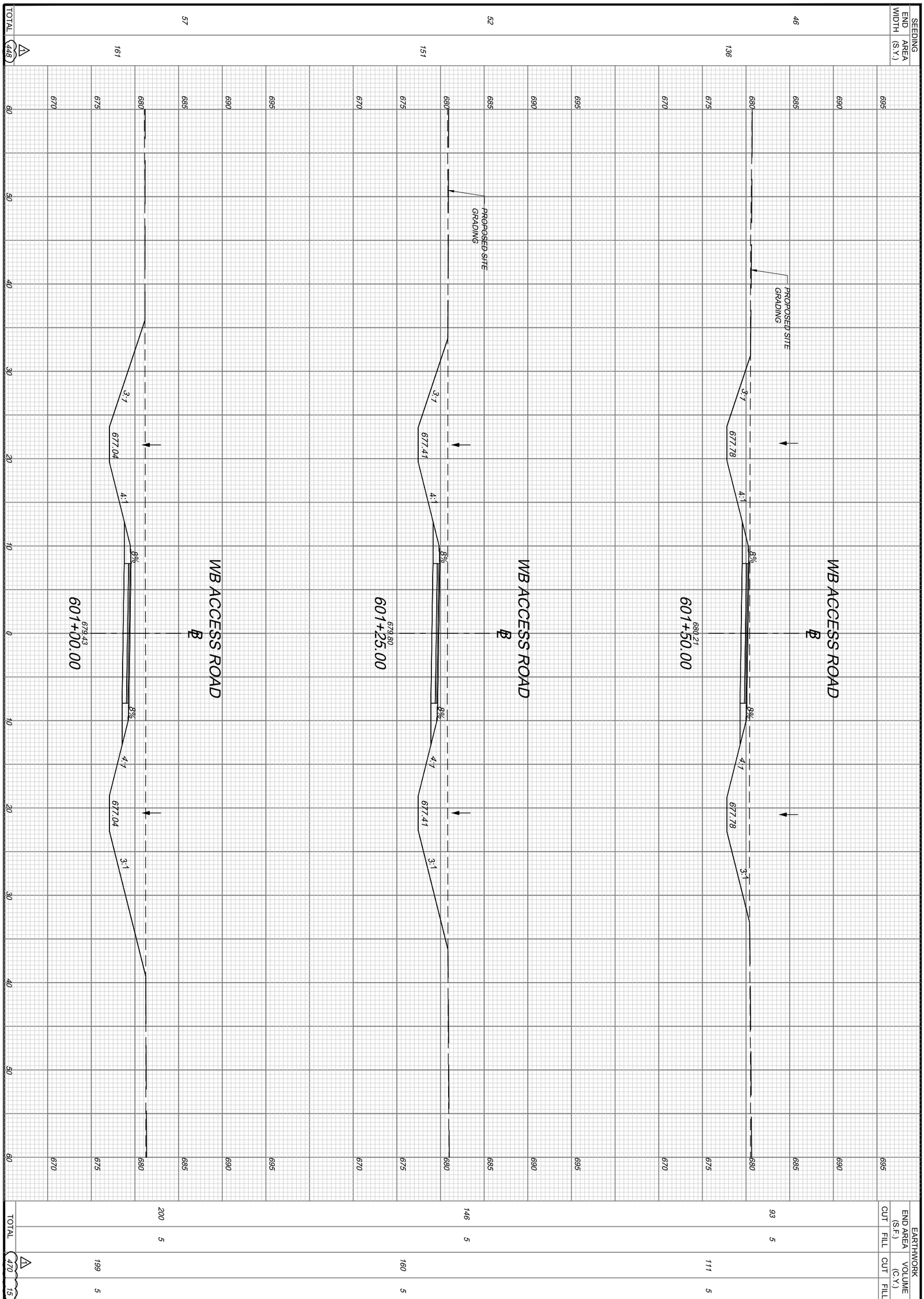

49 59	2 7	PROJECT 39-20-02B	WESTBOUND ACCESS ROAD CROSS SECTIONS	DESIGNED AMS	CHECKED AMS	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	STA. 601+00 TO STA. 601+50	DRAWN AMS	IN CHARGE CSM	1	ADDENDUM NO. 2	AMS	1/16/20
			TP 49 LUCAS COUNTY			-	-	-	-
						-	-	-	-

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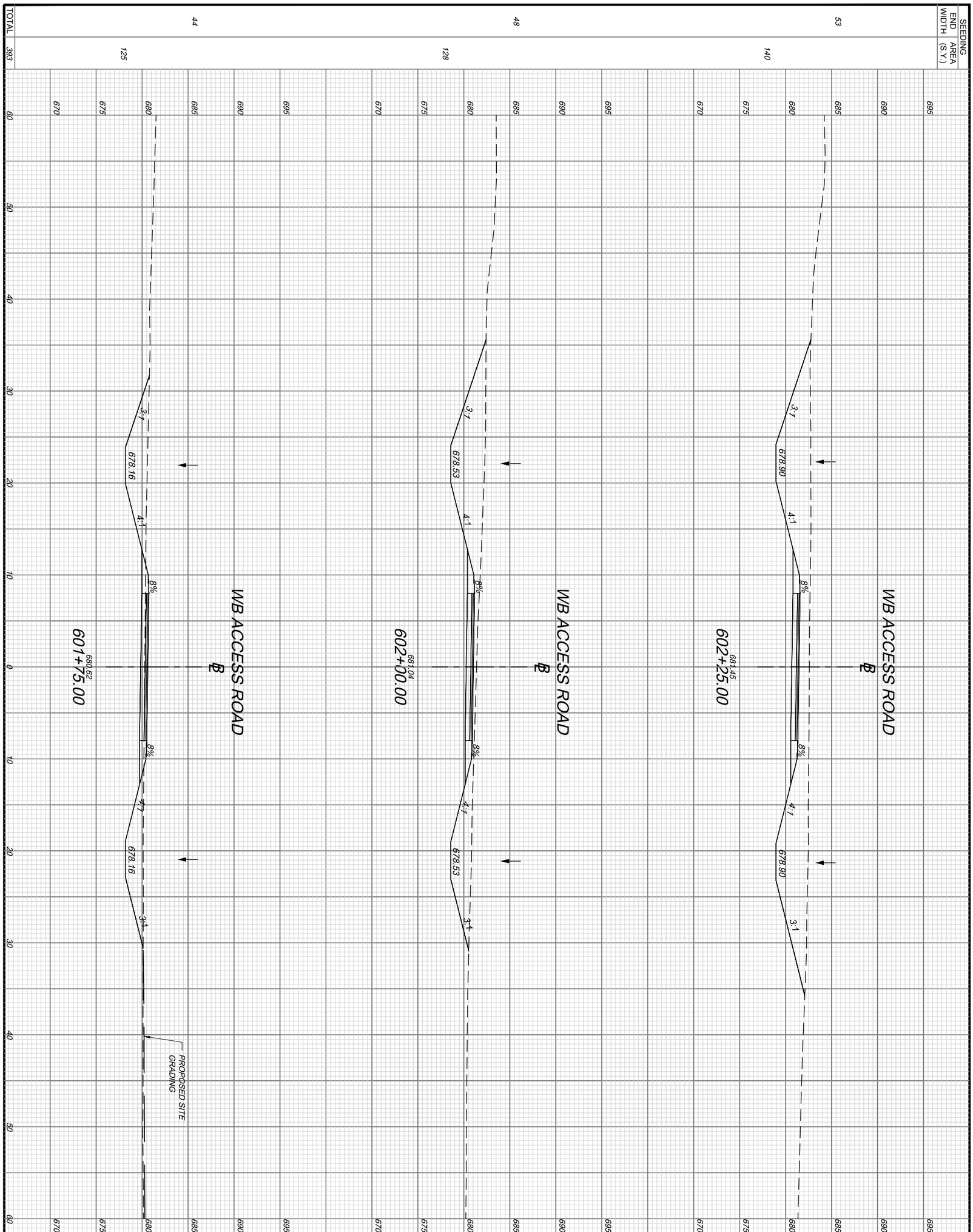

50 59	3 7	PROJECT 39-20-02B	WESTBOUND ACCESS ROAD CROSS SECTIONS STA. 601+75 TO STA. 602+25	DESIGNED AMS	CHECKED AMS	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	TP 49 LUCAS COUNTY	DRAWN AMS	IN CHARGE CSM	1	ADDENDUM NO. 2	AMS	1/16/20
						-	-	-	-
						-	-	-	-

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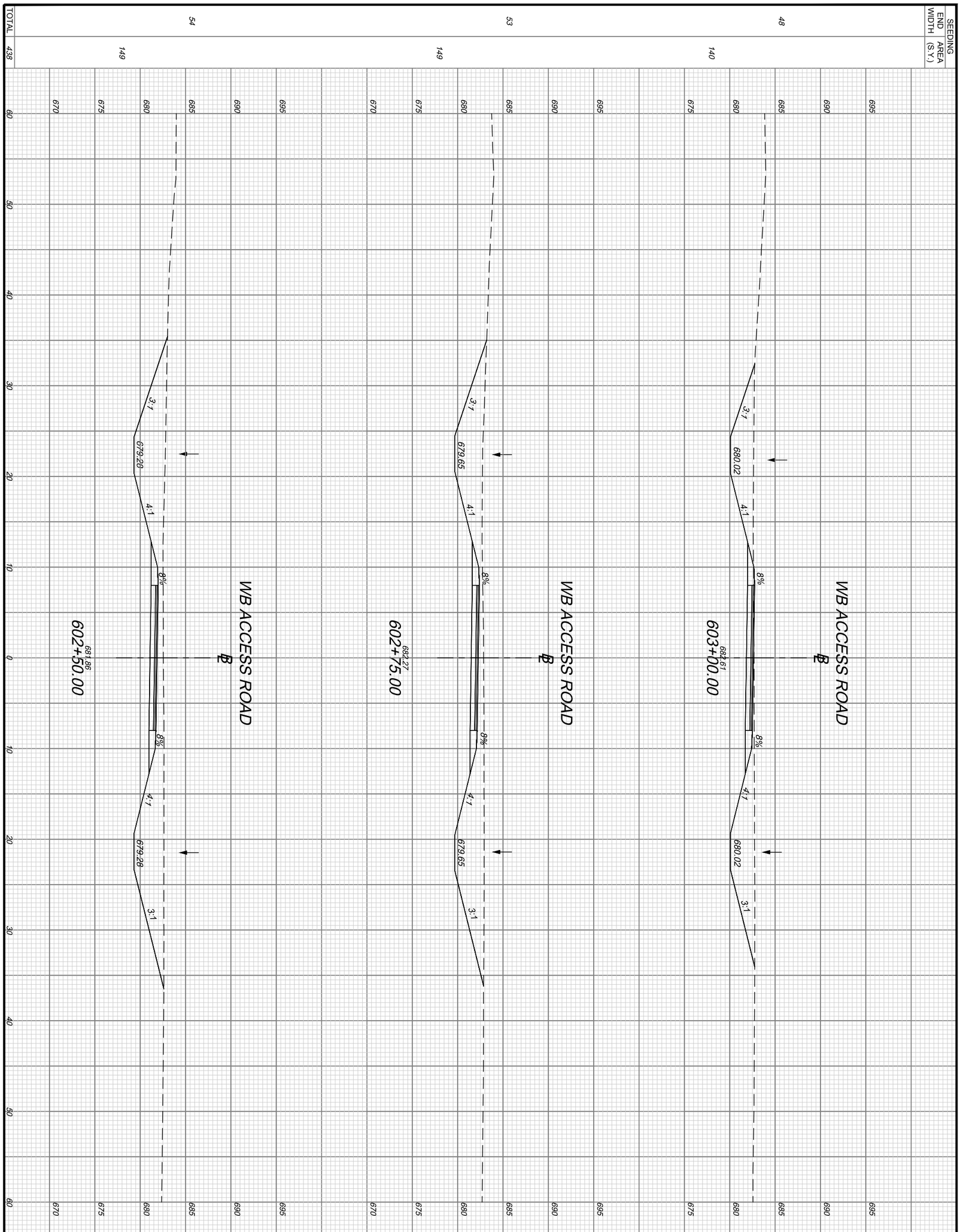

51/59	4/7	PROJECT 39-20-02B	WESTBOUND ACCESS ROAD CROSS SECTIONS	DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	STA. 602+50 TO STA. 603+00	AMS	AMS	1	ADDENDUM NO. 2	AMS	1/16/20
		TP 49	LUCAS COUNTY	DRAWN	IN CHARGE	-	-	-	-
				AMS	CSM	-	-	-	-

DESIGN AGENCY

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OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

CHECKING PRINT

CHECKED:_____ DATE: _____ CORRECTED:_____ DATE: _____

BACKCHECKED:_____ DATE: _____ APPROVED:_____ DATE: _____

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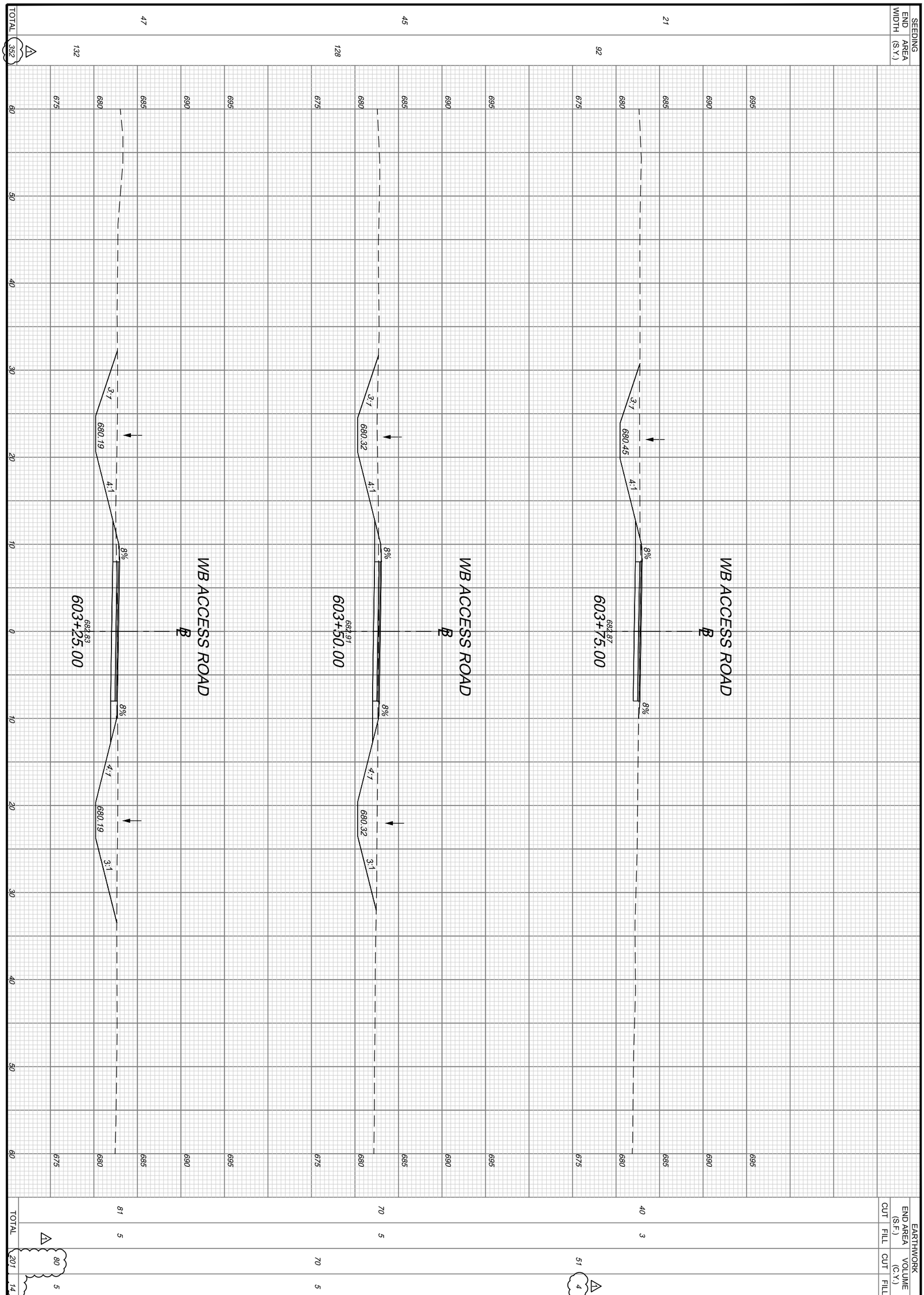

PROJECT 39-20-02B

DATE: 12/20/2019

WESTBOUND ACCESS ROAD CROSS SECTIONS

STA. 603+25 TO STA. 603+75

TP 49 LUCAS COUNTY

DESIGNED	CHECKED
JDS	AMS
DRAWN	IN CHARGE
AMS	CSM

NO.	REVISIONS	BY	DATE
1	ADDENDUM NO. 2	AMS	1/16/20
-	-	-	-
-	-	-	-

DESIGN AGENCY

JACOBS

130 ST JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

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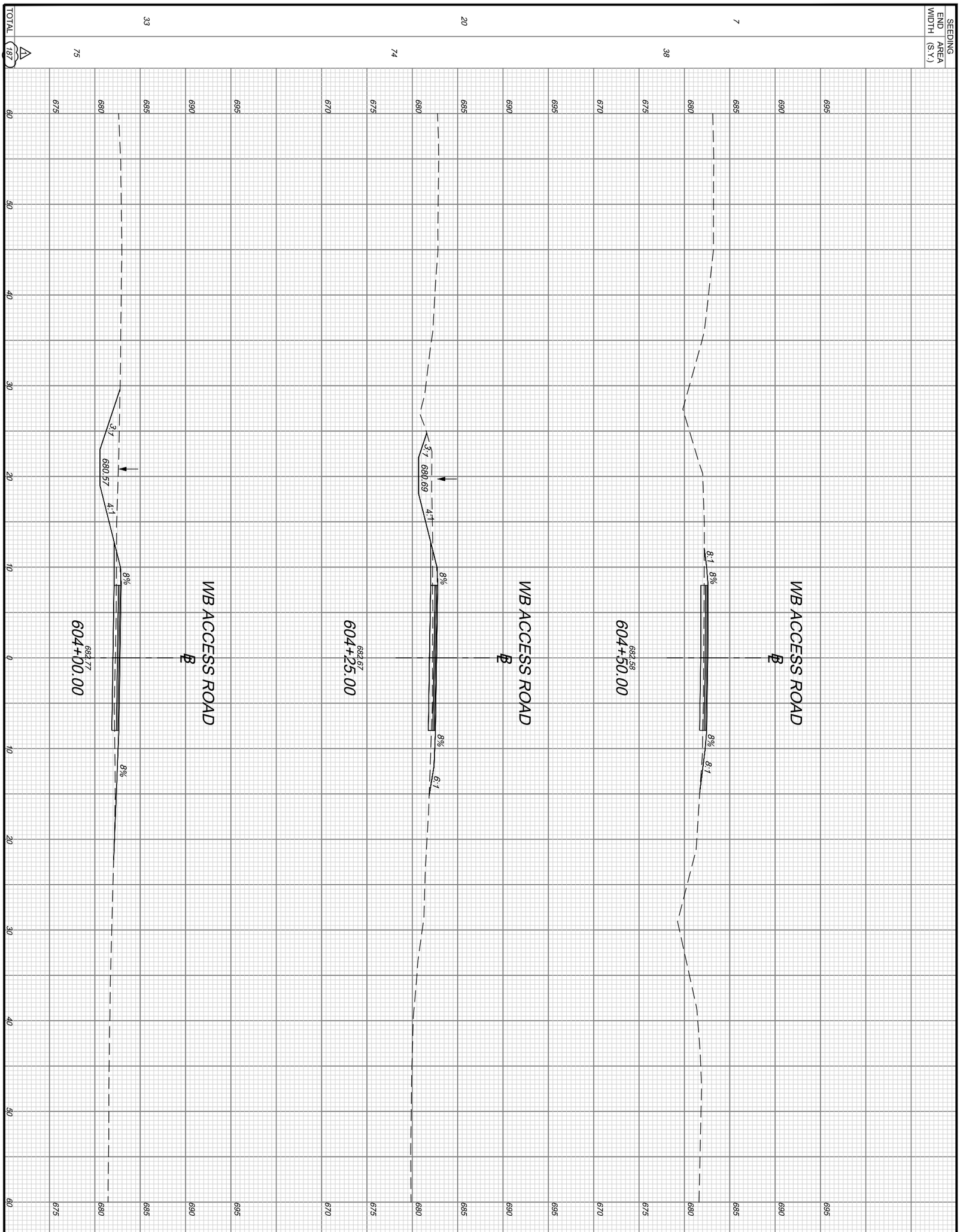

53/59	6/7	PROJECT 39-20-02B	WESTBOUND ACCESS ROAD CROSS SECTIONS	DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
		DATE: 12/20/2019	STA. 604+00 TO STA. 604+50	AMS	AMS	1	ADDENDUM NO. 2	AMS	1/16/20
		TP 49	LUCAS COUNTY	DRAWN	IN CHARGE	-	-	-	-
				AMS	CSM	-	-	-	-

DESIGN AGENCY

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120 ST JAMES AVENUE, 9TH FLOOR
BOSTON, MA 02116
OFFICE: 617-242-9222

OHIO TURNPIKE

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		39-20-02A - ROADWAY (Ref. Nos. 1 - 67)				
1	201	CLEARING AND GRUBBING, AS PER PLAN	1	LS		$ -
2	201	TREE REMOVED, 18" SIZE	119	EACH		$ -
3	201	TREE REMOVED, 30" SIZE	58	EACH		$ -
4	201	TREE REMOVED, 48" SIZE	6	EACH		$ -
5	202	HEADWALL REMOVED	44	EACH		$ -
6	202	PIPE REMOVED, 24" AND UNDER	2,104	FT		$ -
7	202	PIPE REMOVED, OVER 24"	280	FT		$ -
8	202	CATCH BASIN OR INLET REMOVED	26	EACH		$ -
9	202	FENCE REMOVED	49,266	FT		$ -
10	202	GUARDRAIL REMOVED, AS PER PLAN	13,057	FT		$ -
11	202	PAVEMENT REMOVED, AS PER PLAN	177,709	SY		$ -
12	202	CONCRETE BARRIER REMOVED	386	FT		$ -
13	202	STRUCTURE REMOVED	2	EACH		$ -
14	202	PORTIONS OF STRUCTURES REMOVED, AS PER PLAN	10	CY		$ -
15	202	REMOVAL MISC.: CONCRETE CHANNEL REMOVED	200	SY		$ -
16	202	REMOVAL MISC.: STEEL PLATE REMOVED	1	EACH		$ -
17	202	REMOVAL MISC.: TEMPORARY SHEETING REMOVED	1	LS		$ -
18	SPECIAL	PIPE CLEANOUT, 24" DIA AND UNDER	124	FT		$ -
19	SPECIAL	PIPE CLEANOUT, 27" TO 48"	662	FT		$ -
20	203	EXCAVATION	84,108	CY		$ -
21	203	EMBANKMENT, AS PER PLAN	16,539	CY		$ -
22	203	ROADWAY EXCAVATION AND EMBANKMENT	1,800	CY		$ -
23	203	EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN	19,812	CY		$ -
24	203	BORROW	9,906	CY		$ -
25	203	GRANULAR MATERIAL, TYPE C	145	CY		$ -
26	203	GRANULAR EMBANKMENT, AS PER PLAN (SHEAR KEY)	1,873	CY		$ -
27	203	GRANULAR EMBANKMENT, AS PER PLAN (NO. 8 AGGREGATE)	60	CY		$ -
28	204	SUBGRADE COMPACTION	227	SY		$ -
29	204	EXCAVATION	178	CY		$ -
30	204	GEOTEXTILE FABRIC, 712.09, TYPE A	600	SY		$ -
31	204	GEOTEXTILE FABRIC, TYPE B	4,795	SY		$ -
32	204	GEOTEXTILE FABRIC, 712.09, TYPE D	227	SY		$ -
33	206	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN	216,545	SY		$ -
34	206	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP	12,000	SY		$ -
35	206	CEMENT	10,280	TON		$ -
36	206	CURING COAT, AS PER PLAN	13,470	GAL		$ -
37	206	TEST ROLLING	140	HOUR		$ -
38	206	PRE-PULVERIZATION, 10 INCHES DEEP, AS PER PLAN	6,785	SY		$ -
39	206	FULL-DEPTH RECLAMATION, 12 INCHES, AS PER PLAN	6,785	SY		$ -
40	206	FULL DEPTH RECLAMATION CURING COAT, AS PER PLAN	2,040	GAL		$ -
41	209	LINER GRADING, AS PER PLAN	42,608	FT		$ -
42	209	DITCH CLEANOUT, AS PER PLAN	2,000	FT		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
43	SP 304	GRANULAR MATERIAL	178	CY		$ -
44	606	GUARDRAIL, TYPE MGS, WITH LONG STEEL POSTS	10,135	FT		$ -
45	606	ANCHOR ASSEMBLY, MGS TYPE T	15	EACH		$ -
46	606	ANCHOR ASSEMBLY, MGS TYPE A	1	EACH		$ -
47	606	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, WITH LONG STEEL POSTS	11	EACH		$ -
48	606	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	7	EACH		$ -
49	SP 606A	ANCHOR ASSEMBLY, MGS TYPE E	15	EACH		$ -
50	SP 606B	IMPACT ATTENUATOR, TYPE 2 (BI-DIRECTIONAL)	2	EACH		$ -
51	607	FENCE, TYPE 47, AS PER PLAN	45,569	FT		$ -
52	607	FENCELINE SEEDING AND MULCHING	49,266	FT		$ -
53	SP 607	FENCE, TYPE CL, AS PER PLAN	3,697	FT		$ -
54	SPECIAL	FENCELINE CLEARING AND GRUBBING	49,266	FT		$ -
55	609	ASPHALT CONCRETE CURB, TYPE 1, PG64-22	3,795	FT		$ -
56	609	CURB, TYPE 4-C	135	FT		$ -
57	622	CONCRETE BARRIER, SINGLE SLOPE, TYPE B-50, AS PER PLAN	227	FT		$ -
58	622	CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE B-50, AS PER PLAN	4	EACH		$ -
59	622	CONCRETE BARRIER, SINGLE SLOPE, TYPE C	3,248	FT		$ -
60	622	CONCRETE BARRIER, END SECTION, TYPE C	2	EACH		$ -
61	622	CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE C	6	EACH		$ -
62	622	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	200	FT		$ -
63	622	CONCRETE BARRIER, END SECTION, TYPE D, AS PER PLAN	14	EACH		$ -
64	622	CONCRETE BARRIER, END ANCORAGE, REINFORCED, TYPE D, AS PER PLAN	3	EACH		$ -
65	SP 626	BARRIER REFLECTOR, TYPE A	175	EACH		$ -
66	SP 626	BARRIER REFLECTOR, TYPE B	88	EACH		$ -
67	861	GEOGRID FOR SUBGRADE STABILIZATION, AS PER PLAN, TENSAR TRIAX 160 GEOGRID	227	SY		$ -
					TOTAL - 39-20-02A - ROADWAY	$ -

		39-20-02A - EROSION CONTROL (Ref. Nos. 68-91)				
68	SP 113	SWPPP MANAGEMENT	1	LS		$ -
69	601	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	224	CY		$ -
70	601	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	800	CY		$ -
71	601	TIED CONCRETE BLOCK MAT, TYPE 1	136	SY		$ -
72	659	SOIL ANALYSIS TEST	10	EACH		$ -
73	659	TOPSOIL	12,080	CY		$ -
74	659	SEEDING AND MULCHING	108,911	SY		$ -
75	659	REPAIR SEEDING AND MULCHING	4,970	SY		$ -
76	659	INTER-SEEDING	4,970	SY		$ -
77	659	COMMERCIAL FERTILIZER	13.42	TON		$ -
78	659	LIME	20.54	ACRE		$ -
79	659	WATER	537	MGAL		$ -
80	659	MOWING, AS PER PLAN	21.60	MILE		$ -
81	660	DITCH EROSION PROTECTION MAT TYPE A	3,506	SY		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
82	671	EROSION CONTROL MAT, TYPE B	9,511	SY		$ -
83	832	EROSION CONTROL	1	LS		$ -
84	832	INLET PROTECTION	1,732	FT		$ -
85	832	SLOPE DRAIN	200	FT		$ -
86	832	CONSTRUCTION SEEDING AND MULCHING	183,714	SY		$ -
87	832	PERIMETER FILTER FABRIC FENCE	8,580	FT		$ -
88	832	FILTER FABRIC DITCH CHECK	3,840	FT		$ -
89	832	CONSTRUCTION ENTRANCE	500	CY		$ -
90	832	ROCK CHANNEL PROTECTION, TYPE C OR D, WITH FILTER	250	CY		$ -
91	832	MISCELLANEOUS SEDIMENT REMOVAL	2,000	CY		$ -
					TOTAL - 39-20-02A - EROSION CONTROL	$ -
		39-20-02A - DRAINAGE (Ref. Nos. 92-119)				
92	602	CONCRETE MASONRY	3.4	CY		$ -
93	SP 605	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")	42,536	FT		$ -
94	SP 605	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (24")	1,707	FT		$ -
95	SP 605	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (30")	48,269	FT		$ -
96	SP 605	6" UNDERDRAIN OUTLET PIPE	2,425	FT		$ -
97	SP 605	AGGREGATE DRAIN, TYPE 1, WITH FABRIC WRAP	200	FT		$ -
98	SP 605	AGGREGATE DRAIN, TYPE 2, WITH FABRIC WRAP	200	FT		$ -
99	SP 611	4" CONDUIT, TYPE E, 707.31 (TYPE CP)	255	FT		$ -
100	SP 611	4" CONDUIT, TYPE F, 707.33	120	FT		$ -
101	SP 611	12" CONDUIT, TYPE F, 707.33	1,112	FT		$ -
102	SP 611	15" CONDUIT, TYPE B, 706.02	523	FT		$ -
103	SP 611	18" CONDUIT, TYPE B, 706.02	80	FT		$ -
104	SP 611	24" CONDUIT, TYPE B, 706.02	126	FT		$ -
105	SP 611	30" CONDUIT, TYPE B, 706.02	217	FT		$ -
106	SP 611	48" CONDUIT, TYPE A, 706.02, AS PER PLAN	136	FT		$ -
107	SP 611	PRECAST REINFORCED CONCRETE OUTLET	81	EACH		$ -
108	SP 611	CATCH BASIN, NO. CB-1	7	EACH		$ -
109	SP 611	CATCH BASIN, NO. CB-1, AS PER PLAN	17	EACH		$ -
110	SP 611	CATCH BASIN, NO. 6	2	EACH		$ -
111	SP 611	CATCH BASIN, AS PER PLAN	1	EACH		$ -
112	SP 611	INLET, NO. I-3C (ODOT)	4	EACH		$ -
113	SP 611	WATER QUALITY BASIN	2	EACH		$ -
114	SP 611	MANHOLE, NO. 3	2	EACH		$ -
115	SPECIAL	12" PRECAST CONCRETE END SECTION	25	EACH		$ -
116	SPECIAL	15" PRECAST CONCRETE END SECTION	18	EACH		$ -
117	SPECIAL	18" PRECAST CONCRETE END SECTION	8	EACH		$ -
118	SPECIAL	30" PRECAST CONCRETE END SECTION	3	EACH		$ -
119	SPECIAL	48" PRECAST CONCRETE END SECTION	2	EACH		$ -
					TOTAL - 39-20-02A - DRAINAGE	$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		39-20-02A - PAVEMENT (Ref. Nos. 120-135)				
120	252	FULL DEPTH PAVEMENT SAWING	47,400	FT		$ -
121	254	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH)	670	SY		$ -
122	SP 302	ASPHALT CONCRETE BASE, PG64-22 (SHOULDER)	10,339	CY		$ -
123	SP 302	ASPHALT CONCRETE BASE, PG64-22	46,100	CY		$ -
124	SP 304	AGGREGATE BASE (SHOULDER)	16,913	CY		$ -
125	SP 304	AGGREGATE BASE	24,009	CY		$ -
126	SP 304	AGGREGATE BASE (VARIABLE THICKNESS)	2,439	CY		$ -
127	SP 402	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22	2,811	CY		$ -
128	SP 402	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG76-22 (FR)	6,064	CY		$ -
129	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	2,421	CY		$ -
130	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG76-22 (FR)	5,217	CY		$ -
131	SP 404A	JOINT SEALER	112,944	FT		$ -
132	407	NON -TRACKING TACK COAT	36,570	GAL		$ -
133	452	15-1/4" NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, CLASS QC 1, AS PER PLAN	752	SY		$ -
134	SP 627	STONE SHOULDER PROTECTION	356	CY		$ -
135	SPECIAL	SONIC NAP ALERT PATTERN	18.35	MILE		$ -
					TOTAL - 39-20-02A - PAVEMENT	$ -

		39-20-02A - MAINTENANCE OF TRAFFIC (Ref. Nos. 136-167)				
136	614	WORK ZONE CROSSOVER LIGHTING SYSTEM	2	EACH		$ -
137	614	WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)	8	EACH		$ -
138	614	REPLACEMENT SIGN	20	EACH		$ -
139	614	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	300	CY		$ -
140	614	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	1,900	DAY		$ -
141	614	WORK ZONE LANE LINE, CLASS I, 642 PAINT (4" WHITE)	6.44	MILE		$ -
142	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE)	23.71	MILE		$ -
143	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW)	17.36	MILE		$ -
144	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE)	1.19	MILE		$ -
145	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW)	7.64	MILE		$ -
146	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (8" WHITE)	3.95	MILE		$ -
147	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (8" YELLOW)	3.95	MILE		$ -
148	614	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8" WHITE)	17,726	FT		$ -
149	SP 614	ZONE PERSON	20,000	HOUR		$ -
150	SP 614B	WORK ZONE WHITE LANE LINE, 4 INCH	0.08	MILE		$ -
151	SP 614B	WORK ZONE WHITE EDGE LINE, 4 INCH	0.40	MILE		$ -
152	SP 614B	WORK ZONE YELLOW EDGE LINE, 4 INCH	0.32	MILE		$ -
153	SP 614B	WORK ZONE YELLOW EDGE LINE, 6 INCH	0.08	MILE		$ -
154	SP 614C	REMOVAL OF PAVEMENT MARKING	94.78	MILE		$ -
155	616	WATER	2,000	M GAL		$ -
156	SP 621	RAISED PAVEMENT MARKER-STIMSONITE MODEL 101 LPCR	50	EACH		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
157	SP 621	REPLACEMENT PRISMATIC RETRO-REFLECTOR	50	EACH		$ -
158	SP 621	REPLACEMENT RAISED PAVEMENT MARKER CASTING-STIMSONITE MODEL 101 LPCR	50	EACH		$ -
159	SP 622	32" PORTABLE BARRIER (WITH GLARE SCREEN)	1	LS		$ -
160	SP 622	32" PORTABLE BARRIER (WITHOUT GLARE SCREEN)	1	LS		$ -
161	SP 626	BARRIER REFLECTOR, TYPE A (WHITE)	50	EACH		$ -
162	SP 626	BARRIER REFLECTOR, TYPE B	450	EACH		$ -
163	SP 626A	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE	5,406	EACH		$ -
164	SP 626A	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW	2,792	EACH		$ -
165	630	SIGNING, MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER	500	SF		$ -
166	SPECIAL	EXISTING CROSSOVER TO BE CLOSED / RE-OPENED	2	LS		$ -
167	SPECIAL	SPEED MEASUREMENT MARKING, AS PER PLAN	10	EACH		$ -
		TOTAL - 39-20-02A - MAINTENANCE OF TRAFFIC				$ -

		39-20-02A - TRAFFIC CONTROL (Ref. Nos. 168-214)				
168	620	REMOVAL OF DELINEATOR	178	EACH		$ -
169	620	DELINEATOR, POST MOUNTED, AS PER PLAN	178	EACH		$ -
170	621	RAISED PAVEMENT MARKER REMOVED	470	EACH		$ -
171	SP 621	REPLACEMENT PRISMATIC RETRO-REFLECTOR	550	EACH		$ -
172	SP 621	RAISED PAVEMENT MARKER - STIMSONITE MODEL 101 LPCR	1,225	EACH		$ -
173	625	GROUND ROD	32	EACH		$ -
174	625	CONDUIT, 1 1/2", 725.051	960	FT		$ -
175	625	CONDUIT, 4", 725.051	360	FT		$ -
176	625	JUNCTION BOX, 12"x18"x24"	12	EACH		$ -
177	SP 626	BARRIER REFLECTOR, TYPE B	540	EACH		$ -
178	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4x7.7	70.3	FT		$ -
179	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6x9	88.8	FT		$ -
180	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10x12	82.3	FT		$ -
181	630	BARRIER MOUNTED STRUCTURAL BEAM SUPPORT, W8x18	48.9	FT		$ -
182	630	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	12	EACH		$ -
183	630	BREAKAWAY STRUCTURAL BEAM CONNECTION	12	EACH		$ -
184	630	SIGN ERECTED, FLAT SHEET, AS PER PLAN	183	EACH		$ -
185	630	SIGN ERECTED, EXTRUSHEET, AS PER PLAN	40	EACH		$ -
186	630	CONCRETE MEDIAN BARRIER OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.50, AS PER PLAN	4	EACH		$ -
187	630	RIGID OVERHEAD SIGN SUPPORT FOUNDATION, AS PER PLAN	22	EACH		$ -
188	630	OVERHEAD SIGN SUPPORT, TYPE 7.65, DESIGN 8	8	EACH		$ -
189	630	OVERHEAD SIGN SUPPORT, TYPE 7.65, DESIGN 8, AS PER PLAN	4	EACH		$ -
190	630	OVERHEAD SIGN SUPPORT, TYPE 12.30, DESIGN 8	2	EACH		$ -
191	630	OVERHEAD SIGN SUPPORT, TYPE 12.30, DESIGN 10	5	EACH		$ -
192	630	OVERHEAD SIGN SUPPORT, TYPE 16.21, DESIGN 13	1	EACH		$ -
193	630	SIGN POST REFLECTOR	82	EACH		$ -
194	630	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	5	EACH		$ -
195	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	118	EACH		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
196	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	94	EACH		$ -
197	630	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	7	EACH		$ -
198	630	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	12	EACH		$ -
199	630	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-7.65	2	EACH		$ -
200	630	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-12.30	5	EACH		$ -
201	630	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-17.10	1	EACH		$ -
202	630	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	18	EACH		$ -
203	630	SIGNING, MISC.: MILEPOST AND TENTH MILEPOST SIGNS REMOVED	178	EACH		$ -
204	630	SIGNING, MISC.: TENTH MILEPOST SIGN ERECTED	160	EACH		$ -
205	631	SIGN LIGHTING MISC.: REMOVE SIGN LIGHTING AND SIGN SERVICE	2	EACH		$ -
206	632	SAW CUTTING FOR PAVEMENT LOOPS	1,220	FT		$ -
207	642	EDGE LINE, 6", TYPE 1	58.54	MILE		$ -
208	642	LANE LINE, 6", TYPE 1	31.75	MILE		$ -
209	642	DOTTED LINE, 6", TYPE 1	4,440	FT		$ -
210	642	CHANNELIZING LINE, 12", TYPE 1	12,197	FT		$ -
211	642	CHEVRON MARKING, 24", TYPE 1	970	FT		$ -
212	642	LANE REDUCTION ARROW, TYPE 1	6	EACH		$ -
213	642	WORD ON PAVEMENT, 96", TYPE 1	14	EACH		$ -
214	SPECIAL	SPEED MEASUREMENT MARKING	20	EACH		$ -
					TOTAL - 39-20-02A - TRAFFIC CONTROL	$ -

		39-20-02A - LIGHTING (Ref. Nos. 215-237)				
215	625	CONNECTION, UNFUSED, PERMANENT	102	EACH		$ -
216	625	CONNECTION, FUSED, PULL APART	96	EACH		$ -
217	625	PULL BOX 725.08, 24"	4	EACH		$ -
218	625	GROUND ROD	49	EACH		$ -
219	625	TRENCH, 24" DEEP	5,747	FT		$ -
220	625	TRENCH IN PAVED AREA	436	FT		$ -
221	625	MEDIAN JUNCTION BOX	6	EACH		$ -
222	625	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	20,610	FT		$ -
223	625	NO. 4 AWG GROUND CONDUCTOR	9,928	FT		$ -
224	625	NO. 10 AWG POLE AND BRACKET CABLE	7,000	FT		$ -
225	625	2" CONDUIT	5,956	FT		$ -
226	625	3" CONDUIT	120	FT		$ -
227	625	3" CONDUIT, JACKED OR DRILLED	107	FT		$ -
228	625	CONTROL CENTER CABINET, COMPLETE	1	EACH		$ -
229	625	LIGHT POLE FOUNDATION, 24"X 10' DEEP	28	EACH		$ -
230	625	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP	20	EACH		$ -
231	625	LIGHT POLE CONVENTIONAL, AT20B40	28	EACH		$ -
232	625	LIGHT POLE CONVENTIONAL, A20BB40	20	EACH		$ -
233	625	LUMINAIRE, CONVENTIONAL, 388W, LED, TYPE II, MVOLT, AS PER PLAN	10	EACH		$ -
234	625	LUMINAIRE, CONVENTIONAL, 388W, LED, TYPE IV, MVOLT, AS PER PLAN	18	EACH		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
235	625	LUMINAIRE, CONVENTIONAL, 214W, LED, TYPE III, MVOLT, AS PER PLAN	20	EACH		$ -
236	625	LUMINAIRE, CONVENTIONAL, 83W, LED, TYPE III, MVOLT, AS PER PLAN	20	EACH		$ -
237	625	PLASTIC CAUTION TAPE	6,220	FT		$ -
		TOTAL - 39-20-02A - LIGHTING				$ -
		39-20-02A - STRUCTURES 20 FT SPAN AND UNDER (MP 48.7) (Ref. Nos. 238-258)				
238	202	PORTIONS OF STRUCTURE REMOVED	1	LS		$ -
239	203	EXCAVATION	96	CY		$ -
240	203	GRANULAR MATERIAL, TYPE C (703.16)	96	CY		$ -
241	204	GEOTEXTILE FABRIC, TYPE A	256	SY		$ -
242	204	GEOTEXTILE FABRIC, TYPE D	288	SY		$ -
243	503	COFFERDAMS AND EXCAVATION BRACING	1	LS		$ -
244	503	UNCLASSIFIED EXCAVATION (WINGWALL FOOTINGS)	150	CY		$ -
245	SP509	EPOXY COATED REINFORCING STEEL	7,449	LB		$ -
246	510	DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT	124	EACH		$ -
247	511	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	23	CY		$ -
248	511	CLASS QC1 CONCRETE, FOOTING	61	CY		$ -
249	512	TYPE 2 MEMBRANE WATERPROOFING	350	SY		$ -
250	512	SEALING OF CONCRETE SURFACES (NON-EPOXY)	48	SY		$ -
251	516	1" PREFORMED EXPANSION JOINT FILLER	49	SF		$ -
252	518	POROUS BACKFILL WITH FILTER FABRIC	30	CY		$ -
253	SP519A	PATCHING CONCRETE, BOX STRUCTURES	5	SF		$ -
254	601	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	30	CY		$ -
255	602	CONCRETE MASONRY	18	CY		$ -
256	611	12' X 6'-3" CONDUIT, TYPE A, 706.05, AS PER PLAN	96	FT		$ -
257	613	LOW STRENGTH MORTAR BACKFILL (TYPE 2)	7	CY		$ -
258	SPECIAL	PIPE CLEANOUT, 12' (SPAN) X 6'-3" (RISE)	173	FT		$ -
		TOTAL - 39-20-02A - STRUCTURES 20 FT SPAN AND UNDER (MP 48.7)				$ -
		39-20-02A - STRUCTURES OVER 20 FT SPAN (M.P. 47.4 AND M.P. 47.5) (Ref. Nos. 259-261)				
259	202	APPROACH SLAB REMOVED	494	SY		$ -
260	526	APPROACH SLAB (T=12"), AS PER PLAN	529	SY		$ -
261	SP536	CONCRETE WEATHERPROOFING, APPROACH SLABS	491	SY		$ -
		TOTAL - 39-20-02A - STRUCTURES OVER 20 FT SPAN (M.P. 47.4 AND M.P. 47.5)				$ -
		39-20-02B - ROADWAY (Ref. Nos. 262 - 277)				
262	201	CLEARING AND GRUBBING	1	LS		$ -
263	202	HEADWALL REMOVED	1	EACH		$ -
264	202	PIPE REMOVED, 4" AND UNDER, AS PER PLAN	1,480	FT		$ -
265	202	PIPE REMOVED, 24" AND UNDER	70	FT		$ -
266	202	PUMP STATION DEMOLISHED	1	LS		$ -
267	202	CONCRETE CURB REMOVED	1,936	FT		$ -
268	202	PAVEMENT REMOVED	2,176	SY		$ -
269	202	REMOVAL MISC.: CONCRETE CHANNEL REMOVED	110	SY		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
270	202	REMOVAL MISC.	1	LS		$ -
271	203	EXCAVATION	40,797	CY		$ -
272	203	EMBANKMENT	24,119	CY		$ -
273	606	GUARDRAIL, TYPE MGS, WITH LONG STEEL POSTS	1,313.25	FT		$ -
274	606	ANCHOR ASSEMBLY, MGS TYPE T	2	EACH		$ -
275	607	FENCE, TYPE 47, AS PER PLAN	491	FT		$ -
276	SP 626	BARRIER REFLECTOR, TYPE A	16	EACH		$ -
277	SP 627	STONE SHOULDER PROTECTION (T=3")	38	CY		$ -
					TOTAL - 39-20-02B - ROADWAY	$ -
		39-20-02B - EROSION CONTROL (Ref. Nos. 278-285)				
278	651	TOPSOIL STOCKPILED	4,663	CY		$ -
279	652	PLACING STOCKPILED TOPSOIL	4,256	CY		$ -
280	659	SEEDING AND MULCHING	73,433	SY		$ -
281	659	REPAIR SEEDING AND MULCHING	3,672	SY		$ -
282	659	INTER-SEEDING	5,000	SY		$ -
283	659	COMMERCIAL FERTILIZER	6.60	TON		$ -
284	659	LIME	15.20	ACRE		$ -
285	659	WATER	398	MGAL		$ -
					TOTAL - 39-20-02B - EROSION CONTROL	$ -
		39-20-02B - DRAINAGE (Ref. Nos. 286-297)				
286	601	ROCK CHANNEL PROTECTION TYPE C WITH FILTER	10	CY		$ -
287	SP 605	6" BASE PIPE UNDERDRAIN, WITH FABRIC WRAP (18")	3,127	FT		$ -
288	SP 605	6" SHALLOW PIPE UNDERDRAIN, WITH FABRIC WRAP (30")	5,804	FT		$ -
289	SP 611	PRECAST REINFORCED CONCRETE OUTLET, AS PER PLAN	6	EACH		$ -
290	SP 611	15" CONDUIT, TYPE B, 706.02	32	FT		$ -
291	SP 611	12" CONDUIT, TYPE C, 707.33	145	FT		$ -
292	SP 611	6" CONDUIT, TYPE B	200	FT		$ -
293	SP 611	6" CONDUIT, TYPE E	200	FT		$ -
294	SP 611	6" CONDUIT, TYPE F	200	FT		$ -
295	611	MANHOLE, CATCH BASIN OR INLET ADJUST TO GRADE	2	EACH		$ -
296	SPECIAL	12" PRECAST CONCRETE END SECTION	1	EACH		$ -
297	SPECIAL	15" PRECAST CONCRETE END SECTION	2	EACH		$ -
					TOTAL - 39-20-02B - DRAINAGE	$ -
		39-20-02B - PAVEMENT (Ref. Nos. 298-309)				
298	209	LINEAR GRADING	5,981	FT		$ -
299	SP 302	ASPHALT CONCRETE BASE, PG64-22 (SHOULDER)	1,955	CY		$ -
300	SP 302	ASPHALT CONCRETE BASE, PG64-22	5,100	CY		$ -
301	SP 302	ASPHALT CONCRETE BASE, PG64-22	787	CY		$ -
302	SP 304	AGGREGATE BASE (SHOULDER)	2,674	CY		$ -
303	SP 304	AGGREGATE BASE	2,550	CY		$ -
304	SP 402	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22	423	CY		$ -

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
305	SP 402	ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG76-22 (FR)	744	CY		$ -
306	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	658	CY		$ -
307	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG76-22 (FR)	637	CY		$ -
308	SP 404A	JOINT SEALER	5,026	FT		$ -
309	407	NON -TRACKING TACK COAT	4,813	GAL		$ -
					TOTAL - 39-20-02B - PAVEMENT	$ -

		39-20-02B - TRAFFIC CONTROL (Ref. Nos. 310)				
310	SP 642	EDGE LINE, 6", TYPE 1	1.12	MILE		$ -
					TOTAL - 39-20-02B - TRAFFIC CONTROL	$ -

		39-20-02 - GENERAL (Ref. Nos. 311-315)				
311	IB,ART.6	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND	1	LS		$ -
312	SP 614	MAINTAINING TRAFFIC	1	LS		$ -
313	SP 619	FIELD OFFICE	1	LS		$ -
314	SP 623	CONSTRUCTION LAYOUT SURVEY	1	LS		$ -
315	624	MOBILIZATION	1	LS		$ -
					TOTAL - 39-20-02 - GENERAL	$ -

PROJECT 39-20-02 - TOTAL BASE BID (REF. No. 1 THRU REF. No. 315)		

PROJECT NO. 39-20-02 - ESTIMATED QUANTITIES WORKSHEET

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount

NOTE: Bidders must complete following information below.

WASTE SITE 1 DEDUCT ALTERNATE

The Bidder may deposit waste material on the westbound side for the 39-20-02 Project as described on Plan Sheet 496 - 2/3. Such deduct alternate must be submitted with the Bidder's Bid, and all the requirements to fullfill the Alternate Work as described in the Plans. The Bidder must fill in "yes" or "no" in the space provided below as to whether a Waste Site Proposal is included with the Bid and must also enter an amount to be deducted from the Total Base Bid as a credit due to the Commission, should this Proposal be approved. (Refer to Articles 2.6.3 and 3.5.1 of the INSTRUCTIONS TO BIDDERS)

A ***Waste Site 1 Deduct Alternate*** Proposal is included in the Bid Submittal: _____. (yes or no)

Amount of ***WASTE SITE 1 DEDUCT ALTERNATE***:

WASTE SITE 2 DEDUCT ALTERNATE

The Bidder may deposit waste material on the eastbound side for the 39-20-02 Project as described on Plan Sheet 497 - 3/3. Such deduct alternate must be submitted with the Bidder's Bid, and all the requirements to fullfill the Alternate Work as described in the Plans. The Bidder must fill in "yes" or "no" in the space provided below as to whether a Waste Site Proposal is included with the Bid and must also enter an amount to be deducted from the Total Base Bid as a credit due to the Commission, should this Proposal be approved. (Refer to Articles 2.6.3 and 3.5.1 of the INSTRUCTIONS TO BIDDERS)

A ***Waste Site 2 Deduct Alternate*** Proposal is included in the Bid Submittal: _____. (yes or no)

Amount of ***WASTE SITE 2 DEDUCT ALTERNATE***:

TEMPORARY ACCESS DEDUCT ALTERNATE

The Bidder may request permission to construct one (1) or more Temporary Access entrances or exits at a site, sites of its own choice or either abandoned Service Plaza 2 (MP49). Such Deduct Alternate request must be submitted with the Bidder's Bid, and must include the information specified in SP 104 and will be considered subject to the conditions and provisions contained in said SP 104.

The Bidder must fill in "yes" or "no" in the space provided below as to whether a Temporary Access Proposal is included with the Bid and must also enter an amount to be deducted from the Total Base Bid as a credit due to the Commission, should this Proposal be approved. (Refer to Articles 2.6.3 and 3.5.1 of the INSTRUCTIONS TO BIDDERS)

A ***Temporary Access Deduct Alternate*** Proposal is included in the Bid Submittal: _____. (yes or no)

Amount of ***TEMPORARY ACCESS DEDUCT ALTERNATE***:

PROJECT 39-20-02 - TOTAL BASE BID (REF. No. 1 THRU REF. No. 315) MINUS DEDUCT ALTERNATES		