OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

ADDENDUM NO. 1

PROJECT NO. 39-18-01
MAINLINE PAVEMENT RECONSTRUCTION
MILEPOST 149.24 TO MILEPOST 154.10
LORAIN AND CUYAHOGA COUNTIES, OHIO

OPENING DATE:
2:00 P.M. (EASTERN TIME), NOVEMBER 22, 2017

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 11:00AM ON NOVEMBER 13, 2017
-AND-
MODIFICATIONS TO THE CONTRACT DOCUMENTS
Project 39-18-01 – Plan Sheets 14, 25, 27 thru 38, 59, 134, 136 and 145 of 393; and
Bid Schedule of Items at Ref. 51, 53, 54, 55, 132, 153 and 153A of 257
Standard Conditions - OEI-3

Issued by the Ohio Turnpike and Infrastructure Commission on November 13, 2017 by Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contracts Administration.

_____ _____

Anthony D. Yacobucci Date Mark R. Musson Date

ANSWERS TO QUESTIONS RECEIVED THROUGH 11:00AM ON NOVEMBER 13, 2017:

Q#1 Will be any testing of load transfer efficiency (LTE) for dowel bars or any other deflection testing performed by a Falling Weight Deflectometer (FWD) for the following project?

A#1 No.

Q#2 In order to determine the Railroad Liability Insurance we need to have the following information provided to the contractors: Daily Train Traffic (# of trains); Freight Trains per day; Passenger Trains per day.

A#2 The information required for Norfolk-Southern Railroad under SP119 is as follows: fifty (50) freight trains per day that travel at a maximum speed of 60 mph and four (4) passenger trains per day that travel at a maximum speed of 79 mph. The Commission will pay the actual cost for any railroad flaggers, if required.

Q#3 Will the contractor be required to provide a temporary access credit in order to use the waste sites as shown in the plan insert sheets 3-5?

A#3 No, the Waste/Borrow Site Notes on Plan Insert Sheet 2 clearly defines where the costs are to be included.

Q#4 Will OTIC please make available the existing drawings for the following structures (Structure File Number, Description, MP): 4729838 Chestnut Ridge Road 152.0, 4729862 Ramp 2&6 152.2, 4729897 Lorain Road 152.3, and 4729927 Norfolk & Southern RR 152.6?

A#4 Yes, this Addendum No. 1 includes the requested Plans.

Q#5 Bid item 153: Item 615 Pavement for Maintaining Traffic, APP- Plan quantity is 4883 s.y. which consists of 1083 sq.yd. of temporary pavement connections at three ramps and 3800 sq. yd. of traffic crossover construction and restoration in at two locations. The scope of work is a lot different at both locations which will result in two different unit costs for this work. Will the OTIC please make two separate pay items to address these differences in scope of work between the two situations?

A#5 Yes, this Addendum No. 1 separates the quantities of Bid Item 153 - Item 615 Pavement for Maintaining Traffic, As Per Plan into Bid Item 153 – Item 615 Pavement for Maintaining Traffic, As Per Plan and Bid Item 153A – Item 615 Pavement for Maintaining Traffic, As Per Plan A on Plan Sheets 25 and 27 – 38 of 393.

Q#6 In the contract documents, SP827B addresses protection of Norfolk Southern Railway Interest. Bid item 253, SP119 is for a Railroad Protective Policy for NS with a description of the policy in the contract documents as well. However, there is missing information that the contractor needs in order to obtain pricing RRP insurance. Please provide the number of daily trains, maximum speeds, proportion of commercial to passenger trains, number of tracks, etc. so that this cost can be figured.

A#6 See A#2.

Q#7 In regards to the SBE goal of 10% on this project, please define how trucking will be handled. If trucking companies are defined as "subcontractors", then per OEI-3 the subcontractor must perform at least 30% of its subcontract amount- for which one could interpret that for every 3 company-owned trucks it provides would allow them to broker out up to 7 more to get full SBE credit. Furthermore, it states that if materials are supplied by a manufacturer or regular dealer that the bidder can claim 100% of the cost for credit. If a trucking company which is considered a regular dealer for a materials supplier then supplies and hauls stone, asphalt, or concrete then will they get full credit for the delivery and material and how will that be affected by the 30% rule if they were also considered a subcontractor? This could lead to some confusion, so can the owner please define SBE percentage credits allowed for trucking companies for dump truck hauling and for material supply FOB jobsite?

A#7 Vendors providing trucking services are neither "Subcontractors" nor "Regular Dealers." OEI-3 is revised and substituted in the Standard Conditions through this Addendum No. 1 to provide under Note 4 that trucking services provided using a certified company are credited for the total value of the trucking services provided using its own trucks and employees and the total value of transportation services the certified company provides using non-SBE trucks that do not to exceed the value provided by the owned trucks operated by its employees (i.e., no more than one non-SBE truck for each SBE truck)." For more detailed explanation of the standards applicable to crediting participation see Article V. under the Commission's Standards and Practice Manual for the Small, Minority and Disadvantaged Business Enterprise Inclusion Program: https://www.ohioturnpike.org/docs/default-source/MBE-DBE/turnpike-commission-sbe-mbe-dbe-standards-amp-practices-final-web-published-8-16-17.pdf?sfvrsn=2

Q#8 Will the turnpike allow any removed granular base material below existing concrete and/or asphalt pavement and/or shoulder to be used as embankment in slope areas SL-1 through SL-4 as described on plan insert sheet 1/1?

A#8 The aggregate base would be acceptable to use within the new embankment, but it will not be suitable for use as the drainage blanket material at the bottom of the slopes. If the Contractor chooses to reuse the aggregate base, the aggregate base shall be blended with the existing embankment as it is embanked into the slope.

Q#9 Bid item 55 - 653 Topsoil Furnished and Placed, APP: in the general summary, there was no "APP" sheet number called out for the detail. Per the plan note on sheet 149, locations have been

described. If the contractor can generate topsoil from onsite sources, will this be considered acceptable as "Furnished" or does the topsoil have to be imported from offsite sources as long as it meets the 653 specifications?

A#9 This Addendum No. 1 removes the "As Per Plan" from Bid Item 55, Item 653 – Topsoil Furnished and Placed and on Plan Sheets 134 and 145 of 393. The Contractor may generate topsoil from on-site sources as long as it is tested to meet the Item Specification at the Contractor's own expense. During the design of this project, there were no areas identified within the project limits as a source of topsoil. Generally, the dirt adjacent to the shoulder berm doesn't meet the Item 653 Specification.

Q#10 Plan sheet 25 calls for restoration of existing crossover to include removal of slotted drain and conduits, and that this work is incidental to SP614 Maintenance of Traffic. The detail on the restorations is on plan sheet 59 but doesn't specify how deep to construct SP 302 and SP304. What is the required depth of the SP302 and SP304 prior to the 1.5" asphalt resurfacing?

A#10 This Addendum No. 1 adds the required depths to the Item Legend on Plan Sheet 59.

Q#11 Bid item 51- Special- Crushing Portable Concrete Barriers- is there a milestone completion date for this to be completed and/or are there any time constraints when this work cannot be performed since it is not affecting mainline or ramp traffic patterns?

A#11 There is no milestone date for this work, other than the substantial and final completion deadlines.

Q#12 In order to comply with the new requirement for the 39-18-01. The structure numbers are:
Structure file numbers, Description, MP:
4729838 Chestnut 152.0
4729862 Ramp at 152.2
4729897 Lorain Road 152.3
4729927 NS Railroad 152.6

A#12 See A#4.

Q#13 Plan sheet 15, note for "Item Special- Crushing Portable Concrete Barriers": the second paragraph calls for surveying the stockpile location prior to use and after finished crushed material has been stored for determining volume for payment. The first paragraph calls for crushing such that there will be two sizes of materials produced, and one will be similar to what is already in a stockpile based on the topography note. Will the turnpike be paying for the total volume produced between the two sizes of crushed product or just one size of crushed product? Please clarify how the item will be paid.

A#13 This Addendum No. 1 revises the quantity and units for this work to 16,000 ft. on Plan Sheet 134 of 393 and Bid Item 51. Only the proposed stockpile of material passing the 2 and 3-inch sieve requirements shall be surveyed so that the volume can be measured to be approximately 9600 cy.

Q#14 Bid items 53 and 54 for Rock Channel Protection items are shown on the plan as being paid for by the cubic yard (per ODOT specification) but proposal has both of these items shown as being paid for by the square yard. Please review this conflict in units and revise as necessary.

A#14 This Addendum No. 1 revises the units for Bid Items 53 and 54 and General Summary Plan Sheet 134 of 393 to CU YD. The quantities are correct.

Q#15 Plan sheet 14 contains a note under "Slope Repair SL-4" with pavement and guardrail-related items and quantities which are included in the general summary under their respective bid items. There is a note in that item which says that "These repairs will be compensated on a time and materials basis as approved by the chief engineer". This note appears to contradict having quantities under the bid items in the first place. Please review this note and revise as needed.

A#15 This Addendum No. 1 removes the sentence "These repairs will be compensated on a time and materials basis as approved by the chief engineer" from the note on Plan Sheet 14 of 393.

Q#16 Bid item 132- SP 627 Stone Shoulder Protection: proposal and plan general summary (sheet 136) has unit listed as by the "Ton". Plan subsummary sheets 140-144 and special provision SP 627 in the contract documents show this as being paid for by the "Cubic Yard". Please clarify what unit this bid item is to be paid under.

A#16 This Addendum No. 1 revises the units for Bid Item 132, SP627 – Stone Shoulder Protection to Cubic Yard and on the General Summary Plan Sheet 136 of 393.

Q#17 Is there boring or coring information available for the pavement reconstruction portion of the project? The Geotechnical report only has information regarding the slope repairs.

A#17 Yes, this Addendum No. 1 provides the Subgrade / Base Improvement Report dated September 2017 in accordance with the disclaimers under IB 2.1.4.

Q#18 Plan details on page 7 indicate excavation limits for the various shoulder treatments in order to build the step details as shown. There is not an excavation item in the project to address any excavation required beyond the pavement removed limits. Is this work incidental to the pavement removed? Or is this being paid under the linear grading item? Previous OTC projects have had a specific excavation item to address this work.

A#18 This work is paid for under Item 209 – Linear Grading, As Per Plan and is described on Plan Sheet 15 of 393.

Q#19 Reference #53 & #54 unit of measure needs to be changed from SY to CY pay item.

A#19 See A#14.

Q#20 What is the intent of Ref.#129 Crack Sealing? Notes on Pg. 15 indicate that this item is being used for the longitudinal joint between the existing inner lanes and the proposed outer lanes. Joint sealer is already being placed in the same location as indicated on the typical sections. Please advise.

A#20 The contingency quantity of crack sealing may be used in a number of locations at the direction of the Chief Engineer. These areas may include, but are not limited to, the longitudinal joint, 3rd lane pavement or interchange pavement.

MODIFIED CONTRACT DOCUMENTS

With this Addendum No. 1, the Commission substitutes the enclosed materials for the following Contract Documents:

Plan Sheets 14, 25, 27 thru 38, 59, 134, 136 and 145 of 393; and

Additions to the Plan Drawings are called out with a cloud and deletions are marked with a revision triangle as thus:

With this Addendum No. 1, the Commission modifies the Bid Schedule of Items for the following Reference Numbers: 51, 53, 54, 55, 132, 153 and 153A of 257

Standard Conditions - OEI-3

Receipt of Addendum No. 1
Project No. 39-18-01 is hereby acknowledged:

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 1 WITH THEIR BID.

Instructions for Small Business Enterprise Utilization Plan

Box 1: Name of Bidder submitting Bid.

Column 1: Name of the Small Business Enterprise ("SBE"). To receive credit towards contract goal, SBEs must be certified with the Commission at time of bid, or eligible for fast track certification (i.e., certified as DBE or SBE with ODOT or EDGE certified with Ohio DAS). If SBE named is performing multiple roles or scopes, repeat the name of the SBE for each Project Role or Scope that will be performed and the respective amounts.

Column 2: The Project Role that the SBE will be performing as follows:

- Prime Contractor
- Subcontractor
- Manufacturer or Regular Dealer
- Trucking/Hauler
- Broker

List each project role to be performed by a single SBE individually on a separate row(s). The role is used to determine what portion of the amount to be subcontracted (Column 4) may be applied toward meeting the goal (column 5).

Column 3: A description of the Work to be performed by the SBE must be consistent with the industry used for its certification. The Bidder may rely upon the descriptors listed in the Commission's Certification List available here: http://www.ohioturnpike.org/business/mbe-fbe, or those eligible for Fast Track certification as DBE here: http://www.dot.state.oh.us/Divisions/ODI/SDBE/Pages/DBE-Directory.aspx as SBE here: http://www.dot.state.oh.us/Divisions/ODI/SDBE/Pages/SBE.aspx and EDGE here: http://eodreporting.oit.ohio.gov/searchEDGE.aspx.

A Bidder subletting a portion of a bid item shall state **"Partial"** and describe the Work that is included (e.g., "Electrical (Partial) – Trenching").

Column 4: List the total amount to be subcontracted to each SBE for each Project Role they are performing.

Column 5: This is the dollar amount for each line listed in the certification that the prime intends to apply towards meeting the Contract goal. It may be that only a portion of the amount subcontracted to a SBE in Column 4 is eligible to be credited toward meeting the goal **See Note 1, Note 2, Note 3 and Note 4.** The Commission will utilize the sum of this column (Box 3) to determine whether or not the bidder has met the goal. In the event of an arithmetic error in summing column 5 or an error in making appropriate reductions in the amounts in Column 4, then the sum will be corrected and the total (Box 3) will be revised accordingly.

Note 1: For Work self-performed by a SBE bidding as a prime contractor, the Bidder may claim **only 20% of the amount self-performed** (Column 4) towards meeting the goal (Column 5).

Note 2: For Work performed by SBE subcontractors, the Bidder may claim 1**00% of the Commercially Useful Functions performed by subcontractors** (i.e., the subcontractor must perform or exercise responsibility for at least 30 percent of the total cost of its subcontract using its own workforce, and have responsibility, for negotiating prices to purchase its materials and supplies, determining quality and quantity, ordering the material, and installing and paying for the material itself.)

Note 3: For materials supplied by a Manufacturer or a Regular Dealer, the Bidder **may claim 100% of the cost of the materials or supplies** (Column 4) towards meeting the goal (Column 5).

Note 4: SBE credited for the total value of the **trucking services** provided using its own trucks and employees and the total value of transportation services the SBE provides using non-SBE trucks that do not to exceed the value provided by SBE-owned trucks operated by its employees (i.e., no more than one non-SBE truck for each SBE truck).

Note 5: For Work contracted out to a Broker, the Bidder **may only claim the fees** paid to a Broker towards meeting the goal (Column 4).

Box 2: Contract goal for SBE participation expressed in dollars. The Bidder must multiply the percentage goal appearing on the Notice to Bidders by the sum total of its Bid to determine the dollar equivalent of the goal.

Box 3: the sum of the values in Column 5. This value must equal or exceed the Contract goal amount written in Box 3, or Good Faith Effort Demonstration is required if insufficient SBE Participation has been achieved. See the following pages (OEI-4 and OEI-5) for the materials necessary for demonstrating the Bidder's Good Faith Efforts.

CHECKING PRINT

CHECKED: ________ DATE: ________ CORRECTED: ________ DATE: ________

BACKCHECKED: ________ DATE: ________ APPROVED: ________ DATE: ________

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CONSTRUCTION SPECIFICATIONS

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION 2016 CONSTRUCTION AND MATERIALS SPECIFICATIONS AND THE SPECIAL PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS SHALL GOVERN THIS PROJECT.

UTILITIES

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

AVON LAKE REGIONAL WATER/ SEWER
201 MILLER ROAD
AVON LAKE, OHIO
CONTACT PERSON: JACK R. GAYDAR
440-933-6226, EX 214

CUYAHOGA COUNTY PUBLIC WORKS
2079 E 9TH ST, 5TH FLOOR
CLEVELAND, OHIO
CONTACT PERSON: MICHAEL ZAVODA
219-348-3843

COLUMBIA GAS TRANSMISSION
589 NORTH STATE ST
MEDINA, OH
CONTACT PERSON: TOM EMORY
330-721-4165

COLUMBIA GAS OF OHIO
7080 FRY ROAD
MIDDLEBURG HEIGHTS, OH 44130
CONTACT PERSON: JUDY DEAN
440-891-2459

OHIO EDISON
1910 WEST MARKET ST
AKRON, OHIO 44313
CONTACT PERSON: MIKE ORBAN
330-761-2331

CITY OF NORTH RIDGEVILLE
7307 AVON BELDEN RD
NORTH RIDGEVILLE, OHIO
440-353-0841

CENTURYLINK
CONTACT PERSON:
GEORGE MCELVAIN
303-992-9931

WINDSTREAM
NICOLE HAMLIN
800-289-1901

COX COMMUNICATIONS
12221 PLAZA DRIVE
PARMA, OHIO
CONTACT PERSON:
MARK PRESTON
216-676-8300 EX:3349

TIME WARNER CABLE
8150 DOW CIRCLE
STRONGSVILLE, OHIO
CONTACT PERSON: PAUL SILVESTRO
216-575-8016 EX: 5034

AT&T
13630 LORAIN AVE
CLEVELAND, OHIO
CONTACT PERSON: TIM FOGARTY
216-476-6142

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.

LCI INTERNATIONAL FIBER OPTIC (CENTURY LINK), AND MCI CABLES

EXTREME CARE MUST BE TAKEN BY THE CONTRACTOR TO PRESERVE AND PROTECT THE FIBER OPTIC CABLE DURING ALL PHASES OF CONSTRUCTION. CABLE LOCATIONS DEPICTED ON THE PLAN AND PROFILE SHEETS WERE PLOTTED FROM EXISTING AVAILABLE PLANS. ANY EXCAVATION ADJACENT TO THE CABLE FOR ANY REASON SHALL NOT BE PERFORMED WITHOUT LCI FIRST LOCATING THE CABLE. AFTER THE CABLE HAS BEEN LOCATED BY LCI, THE CONTRACTOR SHALL EXCAVATE TO WITHIN 12" OF THE CABLE DEPTH AS PROVIDED. LCI REPRESENTATIVES WILL THEN HAND DIG TO EXPOSE THE CABLE.

THE CONTRACTOR SHALL ALSO BE AWARE OF THE EXISTING MCI CABLE WHEN EXCAVATING TO FORM THE PROPOSED OUTSIDE ROADWAY DITCHES, CLEANING OUT THE EXISTING DITCHES, PERFORMING SLOPE EROSION REPAIRS AND REPLACING THE EXISTING FENCE. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR DEPTH VERIFICATION PRIOR TO ANY WORK, ESPECIALLY IN NON-ANTICIPATED WORK AREAS. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR TIME DELAY WAITING FOR DEPTH VERIFICATION FROM UTILITY COMPANIES.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. 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.

PROJECT SURVEY

EXISTING PAVEMENT ELEVATIONS SHOWN ON PAVEMENT ELEVATION TABLES ARE AT THE RIGHT EDGE OF THE THIRD LANE (DIRECTION OF TRAFFIC) AND DERIVED FROM THE EXISTING THIRD LANE DESIGN PLANS. THESE ELEVATION ARE BASED ON NGVD29 DATUM. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EDGE OF EXISTING PAVEMENT AND INSURE DESIGN CROSS SLOPES AND SUPERELEVATION RATES ARE MET AS SHOWN ON THE PLANS. IN ADDITION, THE CONTRACTOR SHALL VERIFY ELEVATIONS AND CROSS SLOPES AS NECESSARY TO INSURE THAT NO WATER PONDING WILL OCCUR BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT FOR THE LENGTH OF THE PROJECT.

THE AS-BUILT PROFILE GRADES SHOWN ON THE PLAN AND PROFILE SHEETS AND THE ELEVATIONS SHOWN FOR THE EXISTING DRAINAGE STRUCTURES WERE DERIVED FROM THE EXISTING THIRD LANE DESIGN PLANS WHICH USED NGVD29 DATUM. THE DESIGNED TOP OR GRATE ELEVATIONS FOR THOSE STRUCTURE REPLACEMENTS ARE SHOWN TO MATCH THE EXISTING IN THESE PLANS. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED DRAINAGE STRUCTURES SO THAT THE TOP OR GRATE ELEVATION MATCHES THE PROPOSED PAVEMENT SURFACE CALCULATED USING THE CROSS SLOPES FROM THE PAVEMENT ELEVATION TABLES AND THE CONTRACTOR VERIFIED ELEVATIONS AT THE SAW CUT/THIRD LANE LINE. ADJUSTMENTS TO FLOW LINE AND INVERT ELEVATIONS MAY BE NECESSARY TO ALLOW THE USE OF STANDARD PRECAST STRUCTURES MATCHING THE STANDARD DRAWINGS. THESE ADJUSTMENT SHALL BE PERFORMED AS DIRECTED BY THE CHIEF ENGINEER.

PAYMENT FOR THE ABOVE-METIONED WORK SHALL BE INCLUDED WITH THE LUMP SUM PRICE FOR ITEM SP 623 - CONSTRUCTION LAYOUT SURVEY.

ELEVATION DATUM

THE ELEVATIONS SHOWN AT THE FENO MONUMENTS, ON THE RAMP PLAN/PROFILE SHEETS AND ON THE PAVEMENT DETAIL SHEETS ARE BASED ON NAVD 88 DATUM. ALL OTHERS ARE BASED ON NGVD 29 DATUM.

AS-BUILT PLANS

THE 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 IN THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION OFFICE LOCATED AT 682 PROSPECT STREET, BEREA, OHIO 44017, TELEPHONE (440) 234-2081.

CONTINGENCY QUANTITIES

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

ITEM 202 - PAVEMENT REMOVED, AS PER PLAN

THIS ITEM INCLUDES REMOVAL OF THE EXISTING PAVEMENT, EXCAVATING THE EXISTING GRANULAR BASE UNDER THE LEFT, CENTER AND RIGHT LANES, APPROACH SLABS, FULL DEPTH EXCAVATION OF THE EXISTING RIGHT SHOULDER AFTER MILLING ASPHALT OVERLAY AND TRENCH EXCAVATION FOR AGGREGATE DRAIN. EXISTING GRANULAR BASE THICKNESS VARIES WITH AN ESTIMATED 6 INCHES THICK UNDER THE RIGHT AND CENTER LANES AND AN ESTIMATED 7 INCHES THICK UNDER THE LEFT LANE. THE EXCAVATION OF THE EXISTING SHOULDER, AFTER MILLING, INCLUDES APPROXIMATELY 12 TO 13 INCHES OF MATERIAL INCLUDING, BUT NOT LIMITED TO, CHIP AND SEAL, GRANULAR BASE AND EARTH. THESE THICKNESSES WERE DERIVED FROM THE EXISTING PLANS AND MAY VARY IN THE FIELD. THE ESTIMATED QUANTITIES FOR THIS WORK IS SHOWN IN THE PAVEMENT CALCULATIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID PER SQUARE YARD FOR ITEM 202 - PAVEMENT REMOVED, AS PER PLAN AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THE WORK.

PAVEMENT REPAIRS

THE FOLLOWING QUANTITIES ARE INCLUDED AS A CONTINGENCY TO BE USED AS DIRECTED BY THE CHIEF ENGINEER FOR PAVEMENT REPAIR MEASURES TO MAINTAIN TRAFFIC. CONTRACTOR SHALL FOLLOW ODOT CMS FOR ITEM 255, EXCEPT THAT PLACEMENT OF THE DOWEL BARS ARE NOT REQUIRED FOR SHORT TERM REPAIRS, CONCRETE SHALL BE CLASS QC 1 FOR AREAS WHERE TRAFFIC CAN BE DIVERTED FOR 7 DAYS, AREAS THAT HAS TO BE OPENED TO TRAFFIC IN A TIMELY MANNER CONCRETE SHALL BE IN ACCORDANCE WITH ODOT 255.02A, AND MAINTENANCE OF TRAFFIC COSTS INCURRED BY THE CONTRACTOR FOR THESE CURRENTLY UNKNOWN AND UNDEFINED PAVEMENT REPAIRS WILL BE COMPENSATED ON A TIME AND MATERIALS BASIS AS APPROVED BY THE CHIEF ENGINEER. DEPTH FOR PARTIAL REMOVAL WILL BE 5" (+/-) ASPHALT ON CONCRETE TO THE SURFACE OF THE CONCRETE BASE. REPLACEMENT MATERIALS ARE SPECIFIED IN 251.03 UNIT PRICES BID FOR THE ITEMS IMMEDIATELY BELOW SHALL NOT INCLUDE MAINTENANCE OF TRAFFIC COSTS.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR	1000 SQ. YD.
ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT	800 SQ. YD.
ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT (USING RAPID REPAIR CONCRETE MIX MATERIAL)	800 SQ. YD.
ITEM 255 - FULL DEPTH PAVEMENT SAWING	600 FT

CONTRACTOR STAGING AREA

TOLL PLAZA 152 INFIELD IS AVAILABLE FOR A CONTRACTOR STAGING AREA. CURRENTLY, THERE IS NO ELECTRIC SERVICE IN THE INFIELD AREA. IF THE CONTRACTOR ELECTS TO NSTALL ELECTRIC SERVICE FROM THE SOUTH SIDE OF LORAIN ROAD TO THE INFIELD AREA, THE SERVICE SHALL BE LEFT IN PLACE AT THE CONCLUSION OF THE PROJECT. 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.

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.

SLOPE REPAIR SL-4 (1)

THE FOLLOWING QUANTITIES ARE INCLUDED AS A CONTINGENCY TO BE USED AS DIRECTED BY THE CHIEF ENGINEER FOR A SLOPE REPAIR FROM MP 157.74 TO MP 157.76 ALONG THE EASTBOUND SIDE. ~~THESE REPAIRS WILL BE COMPENSATED ON A TIME AND MATERIALS BASIS AS APPROVED BY THE CHIEF ENGINEER.~~ CONSTRUCT USING METHODS DESCRIBED ON PLAN INSERT SHEET 1.

ITEM 202 - PAVEMENT REMOVED, AS PER PLAN	140	SQ. YD.
ITEM 302 - 8" ASPHALT CONCRETE BASE, PG 64-22 (SHOULDERS)	32	CU. YD.
ITEM SP 304 - 9-½" AGGREGATE BASE (SHOULDER)	41	CU. YD.
ITEM SP 402 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE OR RECYCLED ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22	7	CU. YD.
ITEM SP 404 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22	6	CU. YD.
ITEM 407 - NON TRACKING TACK COAT	19	GAL.
ITEM 606 - GUARDRAIL, TYPE MGS WITH LONG STEEL POSTS	150	L.F.
ITEM 627 - STONE SHOULDER PROTECTION (WITH GUARDRAIL)	4	CU. YD.
ITEM SPECIAL - SONIC NAP ALERT PATTERN (SNAP)	0.03	MILE

ENDANGERED SPECIES - INDIANA BAT

THIS PROJECT IS WITHIN THE RANGE 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 AND THE UNIT PRICE BID FOR ITEM 201 - TREE REMOVED, ___", EACH ; EXCEPT THOSE OTHERWISE DESIGNATED BY THE CHIEF ENGINEER SHALL NOT BE REMOVED.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES THAT HAVE BEEN MARKED TO BE REMOVED WITHIN THE TURNPIKE RIGHT OF WAY OR EASEMENTS. ALL ASH TREES AND DEAD TREES SHALL BE REMOVED WITHIN THE TURNPIKE RIGHT OF WAY OR EASEMENTS. THESE TREES MAY NOT BE MARKED. THE CHIEF ENGINEER RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES. NOTICE SHALL BE MADE TO THE CM PRIOR TO THE START OF THIS WORK.

EASTBOUND

ITEM 201 - TREE REMOVED, 18"	EACH	285
ITEM 201 - TREE REMOVED, 30"	EACH	82
ITEM 201 - TREE REMOVED, 48"	EACH	26

WESTBOUND

ITEM 201 - TREE REMOVED, 18"	EACH	165
ITEM 201 - TREE REMOVED, 30"	EACH	67
ITEM 201 - TREE REMOVED, 48"	EACH	20

10% CONTINGENCY

ITEM 201 - TREE REMOVED, 18"	EACH	45
ITEM 201 - TREE REMOVED, 30"	EACH	15
ITEM 201 - TREE REMOVED, 48"	EACH	5

TREES WILL BE MEASURED AT A HEIGHT OF 54" (INCHES) ABOVE THE GROUND. TREES THAT HAVE TWO OR MORE TRUNKS WILL BE MEASURED JUST BELOW THE POINT BELOW THE SPILT OR EACH TRUNK. ALL STUMPS OUTSIDE OF THE CLEARING AND GRUBBING LIMITS THAT ARE WITHIN MOWABLE AREAS SHALL BE GROUND SIX (6") BELOW GRADE. IN UNMOWABLE AREAS, STUMPS MAY BE LEFT IN PLACE, TWO (2") INCHES ABOVE THE ADJACENT GROUND AND TREATED/SPRAYED WITH A GARLON HERBICIDE MIXED WITH BASE OIL. ALL STUMPS LEFT IN PLACE SHALL BE SPRAYED WITH THE HERBICIDE MIXTURE.

PAYMENT FOR THE REMOVAL OF TREES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 201 - TREE REMOVED, ___", EACH AND SHALL INCLUDE ALL LABOR, TOOLS, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.

TOTALS CARRIED TO GENERAL SUMMARY

ITEM 201 - TREE REMOVED, 18"	EACH	495
ITEM 201 - TREE REMOVED, 30"	EACH	164
ITEM 201 - TREE REMOVED, 48"	EACH	51

CLEARING, GRUBBING, MOWING AND TREE REMOVAL TABLE

SIDE	MP	MP	Clear / mow to ROW	Clear / mow 30 ft from shoulder	Comments
EB	149.24	150.20	X		Stop at Root Rd Bridge
*					West of Maddock Rd Bridge - Save 2 large trees
EB	150.20	150.50		X	Only mow up to tree line, Also clear 10' next to Fence
EB	150.50	151.20	X		
EB	151.20	151.80	X		Clear all tree and brush on the South side of the ROW Fence and Stop at TP151 Ramp Bridge
*	151.35				Clear 100' on either side of the box culvert stream
EB	151.80	152.10	X		TP152 Exit Ramp - Stop at Chestnut bridge.
*	152.10	152.20		X	TP152 Exit Ramp south side - Stop at Mainline bridge over TP152 Ramp bridge.
EB	152.10	152.80		X	
EB	152.80	153.20	X		
EB	153.20	154.10	X		
WB	154.10	151.80	X		End at TP151 Ramp Bridge
WB	151.80	149.72	X		Begin at TP151 Concrete Pavement - OTIC side of plaza. End at Maddock Rd bridge.
WB	149.72	149.85		X	
WB	149.85	149.24	X		Begin West of Culvert

Notes:

1. Clearing shall be done in accordance with CMS 201.03B.
2. In areas designated 30 ft clearing from the paved shoulder, All ash trees or dead trees shall be removed 2" from the ground.
3. If any areas described above do not need cleared or grubbed, then mow the grass and all other growth to a 6" height.
4. Areas that are not identified to be cleared to the ROW fence. 10' Clearing and grubbing will need to be performed to remove and replace the fence.
5. Clear all bridge embankments, both sides up to the Approach slab / Asphalt interface. Bridges include Race Rd., Maddock Rd., SR83, Root Road, Exit Ramp 151, Exit Ramp 152 over Chestnut Ridge, Chestnut Ridge, SR10 over TP152 Ramp, SR10 over mainline, Mainline over TP152 Ramp, Lorain Road, NS RR , Bagley Rd, and Jennings Rd.
6. Areas around large culverts should be cleared to the edge of the ROW, (Within OTIC easements) not the ROW Fence.

* modification to general scope of Work

DESIGN AGENCY: CPD GROUP

DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
CLH	PJF	1	ADDENDUM #1	CLH	11/8/17
DRAWN	IN CHARGE	-	-	-	-
CLH	MRG	-	-	-	-

GENERAL NOTES

PROJECT 39-18-01

DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

10 / 393

ITEM 614 PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS). TWO (2) OF THE SIGNS SHALL BE LOCATED NEAR THE PROJECT SITE, ONE FOR EACH DIRECTION OF TRAVEL, FOR THE DURATION OF THE PROJECT. TWO OF THE SIGNS SHALL BE LOCATED APPROXIMATELY TWENTY-FIVE (25) MILES OUTSIDE THE PROJECT LIMITS, ONE FOR EACH DIRECTION OF TRAVEL, AS DIRECTED BY THE ENGINEER FOR THE DURATION OF THE PROJECT. THE SIGNS SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED CLASS "A" PCMS UNITS MAINTAINED BY THE ODOT DIRECTOR (OFFICE OF MATERIALS MANAGEMENT). THE APPROVED LIST OF PORTABLE CHANGEABLE MESSAGE SIGNS CAN BE FOUND ON THE ODOT WEBSITE BY CLICKING ON THE SERVICES MENU, THEN CLICKING ON MATERIALS MANAGEMENT.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. PCMS SHALL BE DELINEATED ON A PERMANENT BASIS IN ACCORDANCE WITH ODOT CMS 614.03.

THE PCMS LOCATIONS, LIMITS FOR THOSE LOCATIONS AND ALL ACTIVATION OF PCMS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE CHIEF ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE CHIEF ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED, FACING AWAY FROM ALL TRAFFIC, AND SHALL DISPLAY ONE OR MORE TYPE G YELLOW RETROREFLECTIVE SHEETING SURFACES OF 9-INCH BY 15-INCH MINIMUM SIZE FACING TRAFFIC.

THE CHIEF ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE TURNPIKE MAINTENANCE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE CHIEF ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRE-CONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. THE PCMS UNIT SHALL CONTAIN A GPS DEVICE WHICH WILL SHOW ITS LOCATION ON A MAP WHICH CAN BE VIEWED REMOTELY BY THE OTIC COMMUNICATIONS CENTER. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE OTIC COMMUNICATIONS CENTER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.

ALL PCMS UNITS SHALL BE EQUIPPED WITH RADAR THAT ENABLES THE MESSAGE BOARD TO DISPLAY THE SPEED OF THE APPROACHING VEHICLES.

WHEN A PCMS IS INITIALLY BROUGHT OUT TO THE PROJECT THE CONTRACTOR SHALL CONTACT THE OTIC COMMUNICATIONS CENTER WITH THE PCMS NUMBER AND LOCATION. AT THAT TIME THE OTIC COMMUNICATIONS WILL VERIFY COMMUNICATION WITH THE PCMS.

WHEN A PCMS IS REPLACED OR RELOCATED THE CONTRACTOR SHALL CONTACT THE OTIC COMMUNICATIONS CENTER WITH THE PCMS NUMBER AND LOCATION.

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF ODOT CMS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE CHIEF ENGINEER TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON THEIR CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, TRAINING, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK. THE CONTRACTOR SHALL ONLY BE PAID FOR PCMS UNITS WHEN THEY ARE IN OPERATION ON THE PROJECT AS SPECIFIED IN THE PLANS OR BY THE CHIEF ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE CHIEF ENGINEER TO PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS, EACH SIGN FOR APPROXIMATELY 480 DAYS, FOR AN ESTIMATED TOTAL OF 1920 DAYS.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN............................ 1,920 DAY

STORAGE OF PORTABLE BARRIER

THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION WILL ALLOW STORAGE OF PORTABLE BARRIER WALL ON TURNPIKE RIGHT OF WAY AT TOLL PLAZAS TP145, TP152 AND TP161. IF SPACE IS AVAILABLE AT THE TOLL PLAZA. THE CONTRACTOR SHALL VERIFY THE AMOUNT OF SPACE THAT IS AVAILABLE AT THE TOLL PLAZA. THE AVAILABLE SPACE AT THE TOLL PLAZA MAY REQUIRE MINIMAL GRADING TO PREPARE THE SURFACE FOR LEVEL AND STABLE STORAGE. EITHER ASPHALT MILLINGS OR CRUSHED AGGREGATE MAY BE USED AT THE CONTRACTOR'S OWN EXPENSE TO GRADE AND STABILIZE THE STORAGE AREA. PORTABLE BARRIER SHALL NOT BE STORED HIGHER THAN THREE PIECES HIGH. TYPICAL STORAGE ANTICIPATED WOULD BE IN CUBES OF 5 PORTABLE BARRIER SECTIONS ALTERNATELY STACKED 3 HIGH OR AS RECOMMENDED BY THE MANUFACTURER. RESTORATION OF THE AREA WILL BE REQUIRED TO ORIGINAL OR BETTER CONDITIONS AS APPROVED BY THE CHIEF ENGINEER PRIOR TO FINAL COMPLETION. ALL BROKEN BARRIER AND DEBRIS SHALL BE REMOVED FROM THESE AREAS ONCE COMPLETE AND DISPOSED IN ACCORDANCE WITH SP 105. FLAGGERS WILL BE REQUIRED FOR ANY TURNING MOVEMENTS IN FRONT OF THE TOLL PLAZA PER THE OTIC'S STANDARDS. THE CONTRACTOR SHALL PROVIDE A UTILIZATION PLAN TO THE CHIEF ENGINEER FOR APPROVAL. THIS PLAN SHALL INCLUDE THE FOLLOWING: AN AERIAL DRAWING OF THE TOLL PLAZA WHICH DEFINES THE STORAGE AREA, SIZE OF AREA REQUIRED, DESCRIPTION OF HOW THE PORTABLE BARRIER IS TO BE STORED, DESCRIPTION OF WORK REQUIRED TO PREPARE THE STORAGE AREA WHICH INCLUDES TYPE OF SURFACE TO BE INSTALLED IF REQUIRED, GRADING THAT PROVIDES POSITIVE DRAINAGE AND ANY EROSION CONTROL MEASURES REQUIRED, AND THE LOGISTICS TO STORE AND RETRIEVE THE STORED PORTABLE BARRIER TO AND FROM THE TOLL PLAZA. ALL COSTS ASSOCIATED WITH THE STORAGE OF PORTABLE BARRIER SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM PRICE BID OF ITEM SP 622 - PORTABLE BARRIER.

ITEM 614 - WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE ODOT OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARD'S WEB PAGE FOR ROADWAY STANDARDS APPROVED PRODUCTS.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

ANY IMPACT ATTENUATOR PLACED ON:

- NEW PAVEMENT
- PAVEMENT THAT IS NOT BEING REPLACED AS PART OF THIS PROJECT
- PAVEMENT ON AN ACCELERATION/DECELERATION RAMP

SHALL BE AN ANCHORLESS WATER-FILLED IMPACT ATTENUATOR. FURNISH AN ANCHORLESS WATER-FILLED IMPACT ATTENUATOR FROM THE ODOT OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARD'S WEB PAGE FOR ROADWAY STANDARDS APPROVED PRODUCTS.

IMPACT ATTENUATORS SHOWN AND QUANTIFIED IN THE PLANS ARE FOR THE PROPOSED MAINTENANCE OF TRAFFIC PHASE LAYOUTS. ADDITIONAL IMPACT ATTENUATORS UTILIZED FOR PHASE SETUP, CONSTRUCTION ACCESS POINTS AND ALTERNATIVE MAINTENANCE OF TRAFFIC METHODS NOT DETAILED IN THESE PLANS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM SP 614 - MAINTAINING TRAFFIC AND SHALL INCLUDE THE COST OF THE ATTENUATOR, LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SET, RESET AND REMOVE THE IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT, MAINTAIN AND REMOVE COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED. AS REQUIRED BY THE MANUFACTURER. ANCHOR REMOVAL CAN CAUSE DAMAGE TO THE PAVEMENT SURFACE. PAYMENT SHALL INCLUDE REPAIRING ANY DAMAGE CAUSED DURING REMOVAL.

1

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN

THIS ITEM SHALL BE AS PER SECTION 615 OF THE ODOT CMS AND SHALL INCLUDE THE FOLLOWING:

ESTABLISHING THE MOT CROSSOVER PAVEMENT PER THE TYPICAL SECTION ON SHEET □9 INSTALLING THE 12 INCH SLOTTED DRAIN, TYPE 2 WITH THE REQUIRED CONNECTION TO THE EXISTING CATCH BASIN INCLUDING THE 12 INCH CONDUIT, TYPE B, RESTORING THE MOT CROSSOVER AREA BACK TO ITS ORIGINAL CONDITION PER THE TYPICAL SECTIONS ON SHEET □9 WHICH INCLUDES REMOVAL OF THE 12 INCH SLOTTED DRAIN AND THE 12 INCH CONDUIT.

THE 12" SLOTTED DRAIN, TYPE 2 SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING DM-1.3. THE PROPOSED 12 INCH SLOTTED DRAIN, TYPE 2 SHALL BE A 12 INCH DIAMETER SLOTTED DRAIN ALUMINUM COATED STEEL CONDUIT (707.01) WITH 6 INCH TRAPEZOIDAL GALVANIZED SOLID BAR GRATE AS APPROVED BY THE CHIEF ENGINEER. THE EXISTING CATCH BASIN SHALL BE NEATLY CUT AND REPLACED WITH CLASS C AND THE BACK FILL MATERIAL AROUND THE CATCH BASIN SHALL BE LSM PER SP 604.

ALL COSTS FOR THE PLACEMENT OF THE MOT CROSSOVERS, RESTORING THE MOT CROSSOVER AREA TO ITS ORIGINAL CONDITION, INSTALLING AND REMOVING THE DRAINAGE SYSTEM AS DETAILED ABOVE, LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN.

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN .... 3,800 SQ. YD.

1

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A

THIS ITEM SHALL BE AS PER SECTION 615 OF THE ODOT CMS AND SHALL INCLUDE THE FOLLOWING:

ALL COSTS FOR THE PLACEMENT OF TEMPORARY PAVEMENT AT TEMPORARY RAMP CONNECTIONS, RESTORING THE RAMP AREA TO ITS ORIGINAL CONDITION, MAINTAINING POSITIVE DRAINAGE, LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A.

THE ESTIMATED QUANTITIES FOR ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A HAVE BEEN PROVIDED WITH THE MAINTENANCE OF TRAFFIC SUBSUMMARY SHEETS.

ITEM 614 - ASPHALT CONCRETE FOR MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF THE CONTRACTOR PROVIDING ITEM-614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC. THIS ITEM SHALL BE USED FOR WEDGING PURPOSES TO AID IN TRANSITIONING TRAFFIC FROM NORMAL TO MILLED SURFACE AND BACK AT THE PERTINENT TOLL/SERVICE PLAZAS FOR EACH PART OF THE CONTRACT. SMOOTH TRANSITIONS BETWEEN MILLED SURFACES AND PAVED SURFACES SHALL BE MAINTAINED AT ALL TIMES AT TOLL/SERVICE PLAZA ENTRANCE/EXIT. AT NO TIME SHALL TRAFFIC BE SUBJECTED TO SUDDEN DIPS, DROP-OFFS, OR BUMPS. ASPHALT WEDGING OF TRANSITION AREAS SHALL BE IN ACCORDANCE WITH ODOT STANDARD DRAWING MT-101.90. MATERIAL SUPPLIED FOR THIS ITEM SHALL COMPLY WITH THE REQUIREMENTS OF ODOT ITEM 614.13.

PAYMENT FOR THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM INCLUDING PLACING AND REMOVING THE ASPHALT CONCRETE. THIS ITEM SHALL BE PAID FOR AT THE UNIT BID PRICE FOR ITEM 614 - ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE CHIEF ENGINEER FOR THE MAINTENANCE OF TRAFFIC:

ITEM 614 - ASPHALT CONCRETE FOR MAINTAINING TRAFFIC .... 300 CU.YD.

LANE CLOSURE RESTRICTION

THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION WILL NOT ALLOW THE CLOSURE OF THE TWO (2) TRAFFIC LANES WHICH ARE LOCATED ON THE OPPOSITE SIDE OF THE BASE REPLACEMENT WORK AFTER THE CONTRAFLOW TRAFFIC PATTERN IS IN OPERATION. THE CONTRACTOR SHALL SCHEDULE ITS WORK SO THAT A LANE CLOSURE OF EITHER OF THESE TWO (2) LANES IS NOT REQUIRED DURING THE DURATION OF EACH PHASE OF CONSTRUCTION.

METHOD OF PAYMENT FOR MAINTAINING TRAFFIC

PAYMENT FOR THE MAINTENANCE OF TRAFFIC ITEMS INCLUDING DETOUR SIGNING AND LEVEL "2" TEMPORARY GROUND MOUNTED GUIDE SIGNS, UNLESS OTHERWISE SPECIFIED SEPARATELY, SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM SP 614-MAINTAINING TRAFFIC, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK AS DETAILED IN THE PLANS.

ITEM SP 614 - MAINTAINING TRAFFIC............LUMP SUM

SIGN COVERS AND OVERLAYS

THE CONTRACTOR SHALL COVER ALL PERMANENT SIGNS, OR PORTIONS THEREOF, AS REQUIRED BY THE PLANS. SIGN COVERS SHALL BE FURNISHED BY THE COMMISSION. THE CONTRACTOR SHALL RETURN THE SIGN COVERS TO THE COMMISSION AT THE END OF THE CONTRACT.

SIGN OVERLAYS FOR OVERHEAD SIGNS SHALL BE OF THE SAME COLOR AS THE BACKGROUND OF THE SIGN OR BE IN ACCORDANCE WITH ODOT OR OTIC MAINTENANCE OF TRAFFIC SIGNING. THE SIGN OVERLAYS SHALL BE HIGH INTENSITY GRADE SHEETING (TYPE G) ON 0.080 INCH THICK ALUMINUM SECURELY RIVETED TO THE SIGN FACE, AND SHALL BE FURNISHED, INSTALLED AND REMOVED BY THE CONTRACTOR.

PAYMENT FOR ALL LABOR, MATERIAL AND EQUIPMENT ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM SP 614 - MAINTAINING TRAFFIC.

CHECKING PRINT

CHECKED: ________ DATE: ________ CORRECTED: ________ DATE: ________

BACKCHECKED: ________ DATE: ________ APPROVED: ________ DATE: ________

2016161MN004.dwg; 11/09/17 - 11:08am

DESIGNED	CHECKED	NO.	REVISIONS	BY	DATE
RCS	LOB	1	ADDENDUM #1	LOB	11/08/17
DRAWN	IN CHARGE	-	-	-	-
RCS	MRG	-	-	-	-

DESIGN AGENCY

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330-572-2100
Fax 330-572-2101

MAINTENANCE OF TRAFFIC NOTES

PROJECT 39-18-01

DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

393

SHEET NUMBER															ITEM	GRAND TOTAL	UNIT	DESCRIPTION	REF. NO.
	23	24	25	26		38	46											MAINTENANCE OF TRAFFIC	
							26								614	26	EACH	WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)	
		20													614	20	EACH	REPLACEMENT SIGN	
	2														614	2	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
			300												614	300	CU YD	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
							1,580								614	1,580	EACH	OBJECT MARKER, ONE WAY	
							1,157								614	1,157	EACH	OBJECT MARKER, TWO WAY	
						0.39									614	0.39	MILE	WORK ZONE LANE LINE, CLASS I, 642 PAINT (4")	
						47.21									614	47.21	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4")	
						22.19									614	22.19	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6")	
						9,882									614	9,882	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8")	
						6,538									614	6,538	FT	WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4")	
			1,920												614	1,920	DAY	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	25
	12,000														SP 614	12,000	HOUR	ZONE PERSON	
						0.97									SP 614B	0.97	MILE	WORK ZONE WHITE EDGE LINE, 4 INCH	
						0.85									SP 614B	0.85	MILE	WORK ZONE YELLOW EDGE LINE, 4 INCH	
						0.54									SP 614B	0.54	MILE	WORK ZONE YELLOW EDGE LINE, 6 INCH	
						433									SP 614B	433	FT	WORK ZONE CHANNELIZING LINE, 8 INCH	
						344									SP 614B	344	FT	WORK ZONE DOTTED LINE, 4 INCH	
		26.4													SP 614C	26.4	MILE	REMOVAL OF PAVEMENT MARKING	
			3,800												615	3,800	SQ YD	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	25
						1,083									615	1,083	SQ YD	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A	25
		4,000													616	4,000	MGAL	WATER	
		50													SP 621	50	EACH	RAISED PAVEMENT MARKER - STIMSONITE MODEL 101 LPCR	
		50													SP 621	50	EACH	REPLACEMENT PRISMATIC RETRO-REFLECTOR	
		50													SP 621	50	EACH	REPLACEMENT RAISED PAVEMENT MARKER CASTING - STIMSONITE MODEL 101 LPCR	
		LUMP													SP 622	LUMP		PORTABLE BARRIER (WITH GLARE SCREEN)	
		LUMP													SP 622	LUMP		PORTABLE BARRIER (WITHOUT GLARE SCREEN)	
				70											SP 626	70	EACH	BARRIER REFLECTOR, TYPE A (WHITE)	
				800											SP 626	800	EACH	BARRIER REFLECTOR, TYPE B (WHITE)	
						1,566									SP 626A	1,566	EACH	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE	
						1,336									SP 626A	1,336	EACH	CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW	
		500													630	500	SQ FT	SIGNING MISC.: ADDITIONAL SIGNS WITH SUPPORTS, AS DIRECTED BY THE CHIEF ENGINEER	24
		60,000													SPECIAL	60,000	FT	"SNAP" MILL AND FILL	24
	LUMP														SPECIAL	LUMP		EXISTING CROSSOVER TO BE CLOSED/RE-OPENED	23
				10											SPECIAL	10	EACH	SPEED MEASUREMENT MARKINGS, AS PER PLAN	26

1 3,800

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

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DESIGN AGENCY
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Glaus, Pyle, Schomer, Burns & Deweese, Inc.
520 South Main Street, Suite 2531, Akron, Ohio 44311
330-572-2100
Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	-
-	-	-	-
-	-	-	-

DESIGNED KRM | CHECKED LOB
DRAWN DGD | IN CHARGE MRG

MAINTENANCE OF TRAFFIC
GENERAL SUMMARY

PROJECT 39-18-01
DATE: 09/22/17

393

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
OHIO TURNPIKE

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 1																				
66	Y-1	INTERSTATE ROUTE 80 EB	852+60	861+00	RT			840														
66	Y-1A	INTERSTATE ROUTE 80 EB	861+00	865+50	RT					450												
67	Y-2	INTERSTATE ROUTE 80 EB	865+50	879+50	RT					1,400												
67	Y-3	INTERSTATE ROUTE 80 WB	869+20	879+50	LT					1,030												
67	Y-4	INTERSTATE ROUTE 80 EB	879+50	893+00	RT					1,350												
67	Y-5	INTERSTATE ROUTE 80 WB	879+50	893+00	LT					1,350												
68	Y-5A	INTERSTATE ROUTE 80 WB	893+00	960+00	LT					6,700												
68	Y-5B	INTERSTATE ROUTE 80 EB	893+00	960+00	RT					6,700												
68	Y-5C	INTERSTATE ROUTE 80 WB	960+00	1030+00	LT					7,000												
68	Y-5D	INTERSTATE ROUTE 80 EB	960+00	1030+00	RT					7,000												
68	Y-5E	INTERSTATE ROUTE 80 WB	1030+00	5+00	LT					6,167									935			
68	Y-5F	INTERSTATE ROUTE 80 EB	1030+00	5+00	RT					6,167									935			
68	Y-5G	INTERSTATE ROUTE 80 WB	5+00	40+50	LT					3,550												
68	Y-5H	INTERSTATE ROUTE 80 EB	5+00	40+50	RT					3,550												
69	Y-6	INTERSTATE ROUTE 80 EB	40+50	54+50	RT					1,400												
69	Y-7	INTERSTATE ROUTE 80 WB	40+50	54+50	LT					1,400												
69	Y-8	INTERSTATE ROUTE 80 EB	54+50	62+20	RT					770												
69	Y-9	INTERSTATE ROUTE 80 EB	54+50	67+50	LT					1,300												
70	Y-10	INTERSTATE ROUTE 80 WB	67+50	70+50	LT					300												
70	Y-10A	INTERSTATE ROUTE 80 WB	70+50	78+90	LT			840														
TOTALS CARRIED TO SHEET 38								1,680		57,584									1,870			
MILE								0.32		10.91									0.36			

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CHECKED: ______ DATE: ______ CORRECTED: ______ DATE: ______

BACKCHECKED: ______ DATE: ______ APPROVED: ______ DATE: ______

201616MS001.dwg; 11/09/17 - 11:13am

DESIGN AGENCY: GPD GROUP — Glaus, Pyle, Schomer, Burns & DeHaven, Inc. — 520 South Main Street, Suite 2531, Akron, Ohio 44311 — 330-572-2100 Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/9/17
-	-	-	-
-	-	-	-

DESIGNED KRM — DRAWN DGD — CHECKED LOB — IN CHARGE MRG

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 1

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 2																				
72	LL-1	INTERSTATE ROUTE 80 EB	831+70	839+50	RT	780								7								
72	W-1	INTERSTATE ROUTE 80 EB	831+70	839+50	RT				780													
72	Y-11	INTERSTATE ROUTE 80 EB	831+70	839+50	RT			780														
73	CL-1	INTERSTATE ROUTE 80 EB	840+10	852+50	RT						1,240											
73	CL-2	INTERSTATE ROUTE 80 EB	850+10	852+50	RT						240			50								
73	CL-3	INTERSTATE ROUTE 80 EB	852+50	860+50	RT						800			75								
73	CL-4	INTERSTATE ROUTE 80 EB	852+50	860+50	RT						800											
73	LL-2	INTERSTATE ROUTE 80 EB	839+50	840+10	RT	60								1								
73	W-2	INTERSTATE ROUTE 80 EB	839+50	852+50	RT				1,300													
73	W-3	INTERSTATE ROUTE 80 EB	860+50	865+50	RT				500													
73	W-4	INTERSTATE ROUTE 80 EB	852+50	865+50	RT				1,300													
73	Y-12	INTERSTATE ROUTE 80 EB	839+50	840+10	RT			60														
73	Y-12A	INTERSTATE ROUTE 80 EB	840+10	850+10	RT					1000					26							
73	Y-12B	INTERSTATE ROUTE 80 EB	850+10	852+50	RT			240							24							
73	Y-13	INTERSTATE ROUTE 80 EB	852+50	858+50	RT			600							60							
73	Y-13A	INTERSTATE ROUTE 80 EB	858+50	865+50	RT					700					15							
73	Y-14	INTERSTATE ROUTE 80 EB	860+50	865+50	RT					500												
74	W-5	INTERSTATE ROUTE 80 EB	865+50	869+60	RT				410					26								
74	W-5A	INTERSTATE ROUTE 80 EB	869+60	879+50	RT		990							90								
74	W-6	INTERSTATE ROUTE 80 EB	865+50	869+60	RT				410					26								
74	W-6A	INTERSTATE ROUTE 80 EB	869+60	879+50	RT		990							81								
74	W-7	INTERSTATE ROUTE 80 EB	879+50	893+50	RT		1,400															
74	W-8	INTERSTATE ROUTE 80 WB	879+50	893+50	LT		1,400															
74	Y-16	INTERSTATE ROUTE 80 EB	865+50	866+60	RT					110												
74	Y-16A	INTERSTATE ROUTE 80 EB	866+60	879+50	RT			1,290							116							
74	Y-17	INTERSTATE ROUTE 80 EB	865+50	869+60	RT					410					26							
74	Y-17A	INTERSTATE ROUTE 80 EB	869+60	879+50	RT			990							81							
74	Y-18	INTERSTATE ROUTE 80 EB	879+50	893+50	RT			1,400														
74	Y-19	INTERSTATE ROUTE 80 WB	879+50	893+50	LT			1,400														
75	W-9	INTERSTATE ROUTE 80 WB	893+50	907+50	LT		1,400															
75	W-10	INTERSTATE ROUTE 80 EB	893+50	907+50	RT		1,400															
75	W-11	INTERSTATE ROUTE 80 WB	907+50	921+50	LT		1,400															
75	W-12	INTERSTATE ROUTE 80 EB	907+50	921+50	RT		1,400															
75	Y-20	INTERSTATE ROUTE 80 WB	893+50	907+50	LT			1,400														
75	Y-21	INTERSTATE ROUTE 80 EB	893+50	907+50	RT			1,400														
75	Y-22	INTERSTATE ROUTE 80 WB	907+50	921+50	LT			1,400														
75	Y-23	INTERSTATE ROUTE 80 EB	907+50	921+50	RT			1,400														
76	W-13	INTERSTATE ROUTE 80 WB	921+50	935+25	LT		1,375															
76	W-14	INTERSTATE ROUTE 80 EB	921+50	935+25	RT		1,375															
76	W-15	INTERSTATE ROUTE 80 WB	935+25	948+75	LT		1,350															
76	W-16	INTERSTATE ROUTE 80 EB	935+25	948+75	RT		1,350															
76	Y-24	INTERSTATE ROUTE 80 WB	921+50	935+25	LT			1,375														
76	Y-25	INTERSTATE ROUTE 80 EB	921+50	935+25	RT			1,375														
76	Y-26	INTERSTATE ROUTE 80 WB	935+25	948+75	LT			1,350														
76	Y-27	INTERSTATE ROUTE 80 EB	935+25	948+75	RT			1,350														
77	W-17	INTERSTATE ROUTE 80 WB	948+75	962+50	LT		1,375															
77	W-18	INTERSTATE ROUTE 80 EB	948+75	962+50	RT		1,375															
77	W-19	INTERSTATE ROUTE 80 WB	962+50	976+50	LT		1,400															
77	W-20	INTERSTATE ROUTE 80 EB	962+50	976+50	RT		1,400															
77	Y-28	INTERSTATE ROUTE 80 WB	948+75	962+50	LT			1,375														
77	Y-29	INTERSTATE ROUTE 80 EB	948+75	962+50	RT			1,375														
77	Y-30	INTERSTATE ROUTE 80 WB	962+50	976+50	LT			1,400														
77	Y-31	INTERSTATE ROUTE 80 EB	962+50	976+50	RT			1,400														
	Y-15	NOT USED																				
TOTALS CARRIED TO SHEET 38						840	21,380	23,360	4,700	2,720	3,080			356	348							
MILE						0.16	8.48		1.41													

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CORRECTED: DATE:

APPROVED: DATE:

CHECKED: DATE:

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2016161MS002.dwg; 11/09/17 - 11:14am

DESIGN AGENCY

GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531 - Akron, Ohio 44311
330-572-2100
Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/09/17
-	-	-	-
-	-	-	-

DESIGNED KRM
DRAWN DGD
CHECKED LOB
IN CHARGE MRG

SUMMARIES

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 2

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

9
393

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 2 (CONTINUED)																				
78	CL-5	INTERSTATE ROUTE 80 EB	981+82	984+50	RT						268											
78	CL-6	INTERSTATE ROUTE 80 EB	981+82	984+50	RT						268											
78	DL-1	INTERSTATE ROUTE 80 EB	977+40	981+82	RT							442										
78	W-21	INTERSTATE ROUTE 80 EB	976+50	987+75	RT				1,125													
78	W-22	INTERSTATE ROUTE 80 WB	976+50	990+25	LT				1,375													
78	W-23	INTERSTATE ROUTE 80 EB	984+50	990+25	RT				575													
78	W-24	INTERSTATE ROUTE 80 EB	990+25	1004+00	RT				1,375													
78	W-25	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT				1,375													
78	Y-32	INTERSTATE ROUTE 80 WB	976+50	990+25	LT			1,375														
78	Y-33	INTERSTATE ROUTE 80 EB	984+50	987+25	RT			275														
78	Y-34	INTERSTATE ROUTE 80 EB	976+50	990+25	RT			1,375														
78	Y-35	INTERSTATE ROUTE 80 EB	990+25	1004+00	RT			1,375														
78	Y-36	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT			1,375														
78		RAMP 1	985+05	988+64	LT								461									
79	W-26	INTERSTATE ROUTE 80 WB	1004+00	1017+00	LT		1,300															
79	W-27	INTERSTATE ROUTE 80 EB	1004+00	1017+00	RT		1,300															
79	W-28	INTERSTATE ROUTE 80 WB	1017+00	1027+92	LT		1,092															
79	W-28A	INTERSTATE ROUTE 80 WB	1027+92	1029+54	LT											162						
79	W-28B	INTERSTATE ROUTE 80 WB	1029+54	1031+00	LT		146															
79	W-29	INTERSTATE ROUTE 80 EB	1017+00	1027+75	RT		1,075															
79	W-29A	INTERSTATE ROUTE 80 EB	1027+75	1029+37	RT											162						
79	W-29B	INTERSTATE ROUTE 80 EB	1029+37	1031+00	RT		163															
79	Y-37	INTERSTATE ROUTE 80 WB	1004+00	1017+00	LT			1,300														
79	Y-38	INTERSTATE ROUTE 80 EB	1004+00	1017+00	RT			1,300														
79	Y-39	INTERSTATE ROUTE 80 WB	1017+00	1027+96	LT			1,096														
79	Y-39A	INTERSTATE ROUTE 80 WB	1027+96	1029+58	LT												162					
79	Y-39B	INTERSTATE ROUTE 80 WB	1029+58	1031+00	LT			142														
79	Y-40	INTERSTATE ROUTE 80 EB	1017+00	1027+80	RT			1,080														
79	Y-40A	INTERSTATE ROUTE 80 EB	1027+80	1029+42	RT												162					
79	Y-40B	INTERSTATE ROUTE 80 EB	1029+42	1031+00	RT			158														
80	CL-7	INTERSTATE ROUTE 80 EB	1038+00	1038+70	RT															70		
80	CL-7A	INTERSTATE ROUTE 80 EB	1038+70	1040+00	RT						130											
80	DL-2	INTERSTATE ROUTE 80 EB	1040+00	1042+55	RT							255										
80	DL-2A	INTERSTATE ROUTE 80 EB	1042+55	1043+75	RT																120	
80	DL-3	INTERSTATE ROUTE 80 EB	1043+75	1044+75	RT																100	
80	DL-3A	INTERSTATE ROUTE 80 EB	1044+75	1054+00	RT							925										
80	W-30	INTERSTATE ROUTE 80 EB	1031+00	1037+10	RT		610															
80	W-30A	INTERSTATE ROUTE 80 EB	1037+10	1038+00	RT											90						
80	W-31	INTERSTATE ROUTE 80 WB	1031+00	1037+14	LT		614															
80	W-31A	INTERSTATE ROUTE 80 WB	1037+14	1038+70	LT											156						
80	W-31B	INTERSTATE ROUTE 80 WB	1038+70	1042+62	LT		392															
80	W-31C	INTERSTATE ROUTE 80 WB	1042+62	1043+75	LT											113						
80	W-32	RAMP 5	16+50	20+01	LT		351															
80	W-32A	RAMP 5	20+01	21+66	LT											165						
80	W-32B	RAMP 5	21+66	25+36	LT		370															
80	W-32C	RAMP 5	25+36	26+60	LT											124						
80	W-33	INTERSTATE ROUTE 80 EB	1043+75	1044+72	RT											97						
80	W-33A	INTERSTATE ROUTE 80 EB	1044+72	1057+00	RT		1,228															
80	W-34	INTERSTATE ROUTE 80 WB	1043+75	1044+88	LT											113						
80	W-34A	INTERSTATE ROUTE 80 WB	1044+88	1057+00	LT		1,212															
80	Y-41	INTERSTATE ROUTE 80 WB	1031+00	1037+14	LT			614														
80	Y-41A	INTERSTATE ROUTE 80 WB	1037+14	1038+70	LT												156					
80	Y-41B	INTERSTATE ROUTE 80 WB	1038+70	1042+66	LT			396														
80	Y-41C	INTERSTATE ROUTE 80 WB	1042+66	1043+75	LT												109					
80	Y-42	RAMP 5	16+50	20+01	LT			351														
80	Y-42A	RAMP 5	20+01	20+90	LT												89					
80	Y-43	INTERSTATE ROUTE 80 EB	1031+00	1037+10	RT			610														
80	Y-43A	INTERSTATE ROUTE 80 EB	1037+10	1038+70	RT												160					
80	Y-43B	INTERSTATE ROUTE 80 EB	1038+70	1042+60	RT			390														
80	Y-43C	INTERSTATE ROUTE 80 EB	1042+60	1043+75	RT												115					
TOTALS CARRIED TO SHEET 38							9,853	13,212	5,825		666	1,622	461			1,182	953			70	220	
MILE							4.37		1.11							0.23	0.19					

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DESIGN AGENCY

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520 South Main Street, Suite 2531 - Akron, Ohio 44311
330-572-2100
Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/09/17
-	-	-	-
-	-	-	-

DESIGNED KRM
DRAWN DGD
CHECKED LOB
IN CHARGE MRG

SUMMARIES

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 2

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

3
393

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 2 (CONTINUED)																				
80	Y-44	INTERSTATE ROUTE 80 EB	1043+75	1044+78	RT												103					
80	Y-44A	INTERSTATE ROUTE 80 EB	1044+78	1057+00	RT			1,222														
80	Y-45	INTERSTATE ROUTE 80 WB	1043+75	1044+91	LT												116					
80	Y-45A	INTERSTATE ROUTE 80 WB	1044+91	1057+00	LT			1,209														
80		RAMP 5	16+50	18+13	LT								427									
81	W-35	INTERSTATE ROUTE 80 WB	1057+00	1058+18	LT		118															
81	W-35A	INTERSTATE ROUTE 80 WB	1058+18	1062+09	LT											391						
81	W-35B	INTERSTATE ROUTE 80 WB	1062+09	1070+50	LT		841															
81	W-36	INTERSTATE ROUTE 80 EB	1057+00	1057+77	RT		77															
81	W-36A	INTERSTATE ROUTE 80 EB	1057+77	1061+73	RT											396						
81	W-36B	INTERSTATE ROUTE 80 EB	1061+73	1070+50	RT		877															
81	W-37	INTERSTATE ROUTE 80 WB	1070+50	1088+00	LT		1,350															
81	W-38	INTERSTATE ROUTE 80 EB	1070+50	1088+00	RT		1,350															
81	Y-46	INTERSTATE ROUTE 80 WB	1057+00	1058+30	LT			130														
81	Y-46A	INTERSTATE ROUTE 80 WB	1058+30	1062+21	LT												391					
81	Y-46B	INTERSTATE ROUTE 80 WB	1062+21	1070+50	LT			829														
81	Y-47	INTERSTATE ROUTE 80 EB	1057+00	1057+91	RT			91														
81	Y-47A	INTERSTATE ROUTE 80 EB	1057+91	1061+85	RT												394					
81	Y-47B	INTERSTATE ROUTE 80 EB	1061+85	1070+50	RT			865														
81	Y-48	INTERSTATE ROUTE 80 WB	1070+50	1088+00	LT			1,350														
81	Y-49	INTERSTATE ROUTE 80 EB	1070+50	1088+00	RT			1,350														
82	W-39	INTERSTATE ROUTE 80 WB	1088+00	1100+02	LT		1,202															
82	W-40	INTERSTATE ROUTE 80 EB	1088+00	1100+02	RT		1,202															
82	W-41	INTERSTATE ROUTE 80 WB	0+00	14+00	LT		1,400															
82	W-42	INTERSTATE ROUTE 80 EB	0+00	14+00	RT		1,400															
82	Y-50	INTERSTATE ROUTE 80 WB	1088+00	1100+02	LT			1,202														
82	Y-51	INTERSTATE ROUTE 80 EB	1088+00	1100+02	RT			1,202														
82	Y-52	INTERSTATE ROUTE 80 WB	0+00	14+00	LT			1,400														
82	Y-53	INTERSTATE ROUTE 80 EB	0+00	14+00	RT			1,400														
83	W-43	INTERSTATE ROUTE 80 WB	14+00	27+00	LT		1,300															
83	W-44	INTERSTATE ROUTE 80 EB	14+00	27+00	RT		1,300															
83	W-45	INTERSTATE ROUTE 80 WB	27+00	40+50	LT		1,350															
83	W-46	INTERSTATE ROUTE 80 EB	27+00	40+50	RT		1,350															
83	Y-54	INTERSTATE ROUTE 80 WB	14+00	27+00	LT			1,300														
83	Y-55	INTERSTATE ROUTE 80 EB	14+00	27+00	RT			1,300														
83	Y-56	INTERSTATE ROUTE 80 WB	27+00	40+50	LT			1,350														
83	Y-57	INTERSTATE ROUTE 80 EB	27+00	40+50	RT			1,350														
84	W-47	INTERSTATE ROUTE 80 WB	40+50	54+50	LT		1,400								30							
84	W-48	INTERSTATE ROUTE 80 EB	40+50	54+50	RT		1,276		124						99							
84	W-49	INTERSTATE ROUTE 80 WB/EB	54+50	67+50	LT/RT				1,300						84							
84	W-50	INTERSTATE ROUTE 80 EB	54+50	67+50	RT		1,300								2							
84	Y-58	INTERSTATE ROUTE 80 WB	40+50	54+50	LT			1,400								30						
84	Y-59	INTERSTATE ROUTE 80 EB	40+50	54+50	RT			1,276		124						99						
84	Y-60	INTERSTATE ROUTE 80 WB/EB	54+50	67+50	LT/RT			1,200		100						84						
84	Y-61	INTERSTATE ROUTE 80 EB	54+50	67+50	RT					1,300						2						
85	CL-8	INTERSTATE ROUTE 80 EB	70+00	75+00	RT						500											
85	LL-3	INTERSTATE ROUTE 80 EB	69+00	75+00	RT	600									6							
85	W-51	INTERSTATE ROUTE 80 EB	67+50	69+00	RT				150													
85	W-52	INTERSTATE ROUTE 80 EB	67+50	75+00	RT				750													
85	Y-62	INTERSTATE ROUTE 80 EB	67+50	69+00	RT					150												
85	Y-63	INTERSTATE ROUTE 80 EB	67+50	75+00	RT					750												
85	Y-64	INTERSTATE ROUTE 80 WB	67+50	74+60	LT					710												
85	Y-64A	INTERSTATE ROUTE 80 WB	74+60	80+50	LT			590														
85	Y-65	INTERSTATE ROUTE 80 WB	80+50	83+00	LT			250														
88	W-53	RAMP 5	15+92	16+50	LT		58															
88	Y-66	RAMP 5	15+92	16+50	LT			58														
88		RAMP 5	15+92	16+50	LT								61									
TOTALS CARRIED TO SHEET 38						600	19,151	22,324	2,324	3,134	500		488	221	215	787	1,004					
MILE						0.12	7.86		1.04							0.15	0.20					

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

2016161MS004.dwg; 11/09/17 - 11:15am

DESIGN AGENCY
GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531 - Akron, Ohio 44311
330-572-2100 Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	- - -
-	-	-	- - -
-	-	-	- - -

DESIGNED KRM
DRAWN DGD
CHECKED LOB
IN CHARGE MRG

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 2

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

31
393

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 2A																				
89	CL-9	INTERSTATE ROUTE 80 EB	968+30	974+76	RT						646											
89	CL-10	INTERSTATE ROUTE 80 EB	968+30	974+76	RT						646			48								
89	DL-4	INTERSTATE ROUTE 80 EB	964+00	968+30	RT							430		26								
89	W-54	INTERSTATE ROUTE 80 EB	964+00	976+50	RT		1,250							74								
89	W-55	INTERSTATE ROUTE 80 EB	974+76	976+50	RT		174															
89	Y-67	INTERSTATE ROUTE 80 EB	974+76	976+50	RT			174														
90	W-56	INTERSTATE ROUTE 80 EB	976+50	979+40	RT		290															
90	W-57	RAMP 1	979+40	989+00	LT		960															
90	Y-68	INTERSTATE ROUTE 80 EB	976+50	979+40	RT			290														
90	Y-69	RAMP 1	979+40	989+50	LT			1,010														
91	W-58	INTERSTATE ROUTE 80 EB	1038+00	1038+70	RT											70						
91	W-58A	INTERSTATE ROUTE 80 EB	1038+70	1042+55	RT		385															
91	W-58B	INTERSTATE ROUTE 80 EB	1042+55	1043+75	RT											120						
91	W-59	RAMP 5	15+40	20+01	RT		461															
91	W-59A	RAMP 5	20+01	21+60	RT											159						
91	W-59B	RAMP 5	21+60	25+23	RT		363															
91	W-59C	RAMP 5	25+23	26+60	RT											137						
91	W-60	INTERSTATE ROUTE 80 EB	1043+75	1044+62	RT											87						
91	W-60A	INTERSTATE ROUTE 80 EB	1044+62	1057+00	RT		1,238							36								
91	W-61	INTERSTATE ROUTE 80 EB	1043+75	1044+75	RT											100						
91	W-61A	INTERSTATE ROUTE 80 EB	1044+75	1054+50	RT		975															
91	Y-70	RAMP 5	15+75	20+01	LT			426														
91	Y-70A	RAMP 5	20+01	21+60	LT												159					
91	Y-70B	RAMP 5	21+60	25+27	LT			367														
91	Y-70C	RAMP 5	25+27	26+60	LT												133					
91	Y-71	INTERSTATE ROUTE 80 EB	1043+75	1044+65	RT												90					
91	Y-71A	INTERSTATE ROUTE 80 EB	1044+65	1057+00	RT			1,235							36							
92	CL-10A	INTERSTATE ROUTE 80 EB	1058+50	1060+50	RT									20						200		
92	DL-5	INTERSTATE ROUTE 80 EB	1060+50	1061+74	RT																124	
92	DL-5A	INTERSTATE ROUTE 80 EB	1061+74	1070+50	RT							876										
92	DL-6	INTERSTATE ROUTE 80 EB	1070+50	1074+50	RT							400										
92	W-62	INTERSTATE ROUTE 80 EB	1057+00	1057+75	RT		75															
92	W-62A	INTERSTATE ROUTE 80 EB	1057+75	1058+50	RT											75						
92	W-63	INTERSTATE ROUTE 80 EB	1057+00	1057+42	RT		42							4								
92	W-63A	INTERSTATE ROUTE 80 EB	1057+42	1061+57	RT									30		415						
92	W-63B	INTERSTATE ROUTE 80 EB	1061+57	1070+50	RT		893															
92	W-64	INTERSTATE ROUTE 80 EB	1070+50	1074+50	RT		400															
92	Y-72	INTERSTATE ROUTE 80 EB	1057+00	1058+50	RT			104							15		46					
TOTALS CARRIED TO SHEET 38							7,506	3,606			1,292	1,706		238	51	1,163	428			200	124	
MILE							2.11									0.23	0.09					

(1) PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A

CHECKING PRINT
CORRECTED: DATE:
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CHECKED: DATE:
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DESIGN AGENCY
GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531 - Akron, Ohio 44311
330-572-2100
Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/09/17
-	-	-	-
-	-	-	-

DESIGNED KRM
DRAWN DGD
CHECKED LOB
IN CHARGE MRG

SUMMARIES

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 2A

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

3□
393

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 3																				
97	CL-11	INTERSTATE ROUTE 80 WB	858+50	864+50	LT						600											
97	LL-4	INTERSTATE ROUTE 80 WB	858+50	864+50	LT	600								5								
97	W-65	INTERSTATE ROUTE 80 WB	858+50	865+50	LT				700													
97	W-66	INTERSTATE ROUTE 80 WB	864+50	865+50	LT					100												
97	Y-73	INTERSTATE ROUTE 80 EB	852+60	861+00	RT			840														
97	Y-73A	INTERSTATE ROUTE 80 EB	861+00	865+50	RT					450												
97	Y-74	INTERSTATE ROUTE 80 WB	858+50	865+50	LT					700												
97	Y-75	INTERSTATE ROUTE 80 WB	864+50	865+50	LT					100												
98	W-67	INTERSTATE ROUTE 80 WB	865+50	873+41	LT				791					16								
98	W-67A	INTERSTATE ROUTE 80 WB	873+41	879+50	LT		609							61								
98	W-68	INTERSTATE ROUTE 80 WB/EB	865+50	869+84	LT/RT				434					16								
98	W-68A	INTERSTATE ROUTE 80 WB/EB	869+84	879+50	LT/RT		966							97								
98	W-69	INTERSTATE ROUTE 80 WB	879+50	893+50	LT		1,400							30								
98	W-70	INTERSTATE ROUTE 80 EB	879+50	893+50	RT		1,400							3								
98	Y-76	INTERSTATE ROUTE 80 WB	865+50	873+41	LT					791					16							
98	Y-76A	INTERSTATE ROUTE 80 WB	873+41	879+50	LT			609							61							
98	Y-77	INTERSTATE ROUTE 80 WB/EB	865+50	867+00	LT/RT					150												
98	Y-77A	INTERSTATE ROUTE 80 WB/EB	867+00	879+50	LT/RT			1,250							113							
98	Y-78	INTERSTATE ROUTE 80 EB	865+50	879+50	RT					1,400												
98	Y-79	INTERSTATE ROUTE 80 WB	879+50	893+50	LT			1,400							30							
98	Y-80	INTERSTATE ROUTE 80 EB	879+50	893+50	RT			1,400							3							
98	Y-81	INTERSTATE ROUTE 80 EB	879+50	893+50	RT					1,400												
99	W-71	INTERSTATE ROUTE 80 EB	893+50	907+50	RT		1,400															
99	W-72	INTERSTATE ROUTE 80 WB	893+50	907+50	LT		1,400															
99	W-73	INTERSTATE ROUTE 80 EB	907+50	921+50	RT		1,400															
99	W-74	INTERSTATE ROUTE 80 WB	907+50	921+50	LT		1,400															
99	Y-82	INTERSTATE ROUTE 80 EB	893+50	907+50	RT					1,400												
99	Y-83	INTERSTATE ROUTE 80 EB	893+50	907+50	RT			1,400														
99	Y-84	INTERSTATE ROUTE 80 WB	893+50	907+50	LT			1,400														
99	Y-85	INTERSTATE ROUTE 80 EB	907+50	921+50	RT			1,400														
99	Y-86	INTERSTATE ROUTE 80 EB	907+50	921+50	RT					1,400												
99	Y-87	INTERSTATE ROUTE 80 WB	907+50	921+50	LT			1,400														
100	W-75	INTERSTATE ROUTE 80 EB	921+50	935+25	RT		1,375															
100	W-76	INTERSTATE ROUTE 80 WB	921+50	935+25	LT		1,375															
100	W-77	INTERSTATE ROUTE 80 EB	935+25	948+75	RT		1,350															
100	W-78	INTERSTATE ROUTE 80 WB	935+25	948+75	LT		1,350															
100	Y-88	INTERSTATE ROUTE 80 EB	921+50	935+25	RT					1,375												
100	Y-89	INTERSTATE ROUTE 80 EB	921+50	935+25	RT			1,375														
100	Y-90	INTERSTATE ROUTE 80 WB	921+50	935+25	LT			1,375														
100	Y-91	INTERSTATE ROUTE 80 EB	935+25	948+75	RT			1,350														
100	Y-92	INTERSTATE ROUTE 80 EB	935+25	948+75	RT					1,350												
100	Y-93	INTERSTATE ROUTE 80 WB	935+25	948+75	LT			1,350														
TOTALS CARRIED TO SHEET 38						600	15,425	16,549	1,925	10,616	600			228	223							
MILE						0.12	6.06		2.38													

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CORRECTED: DATE:

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CHECKED: DATE:

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DESIGN AGENCY

GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531 - Akron, Ohio 44311
330-572-2100
Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/09/17
-	-	-	-
-	-	-	-

DESIGNED KRM
DRAWN DGD
CHECKED LOB
IN CHARGE MRG

SUMMARIES

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 3

PROJECT 39-18-01
DATE: 09/22/17

33
393

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 3 (CONTINUED)																				
101	W-79	INTERSTATE ROUTE 80 EB	948+75	962+50	RT		1,375															
101	W-80	INTERSTATE ROUTE 80 WB	948+75	962+50	LT		1,375															
101	W-81	INTERSTATE ROUTE 80 EB	962+50	976+50	RT		1,400															
101	W-82	INTERSTATE ROUTE 80 WB	962+50	976+50	LT		1,400															
101	Y-94	INTERSTATE ROUTE 80 EB	948+75	962+50	RT					1,375												
101	Y-95	INTERSTATE ROUTE 80 EB	948+75	962+50	RT			1,375														
101	Y-96	INTERSTATE ROUTE 80 WB	948+75	962+50	LT			1,375														
101	Y-97	INTERSTATE ROUTE 80 EB	962+50	976+50	RT			1,400														
101	Y-98	INTERSTATE ROUTE 80 EB	962+50	976+50	RT					1,400												
101	Y-99	INTERSTATE ROUTE 80 WB	962+50	976+50	LT			1,400														
102	DL-7	INTERSTATE ROUTE 80 WB	988+80	990+25	LT							145										
102	DL-8	INTERSTATE ROUTE 80 WB	990+25	1002+80	LT							1,255										
102	W-83	INTERSTATE ROUTE 80 WB	976+50	990+25	LT		1,375															
102	W-84	INTERSTATE ROUTE 80 EB	976+50	990+25	RT		1,375															
102	W-85	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT		1,375															
102	W-86	INTERSTATE ROUTE 80 EB	990+25	1004+00	RT		1,375															
102	Y-100	INTERSTATE ROUTE 80 EB	976+50	990+25	RT					1,375												
102	Y-101	INTERSTATE ROUTE 80 WB	976+50	990+25	LT			1,375														
102	Y-102	INTERSTATE ROUTE 80 EB	976+50	990+25	RT			1,375														
102	Y-103	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT			1,375														
102	Y-104	INTERSTATE ROUTE 80 EB	990+25	1004+00	RT					1,375												
102	Y-105	INTERSTATE ROUTE 80 EB	990+25	1004+00	RT			1,375														
102	CL-12	INTERSTATE ROUTE 80 WB	1002+80	1004+00	LT						120											
103	CL-13	INTERSTATE ROUTE 80 WB	1004+00	1004+80	LT						80											
103	W-87	INTERSTATE ROUTE 80 WB	1004+00	18+87	LT		787							87								
103	W-88	INTERSTATE ROUTE 80 WB	1004+80	1017+00	LT		1,220															
103	W-89	INTERSTATE ROUTE 80 EB	1004+00	1017+00	RT		1,300															
103	W-90	INTERSTATE ROUTE 80 WB	1017+00	1027+95	LT		1,095															
103	W-90A	INTERSTATE ROUTE 80 WB	1027+95	1029+58	LT											163						
103	W-90B	INTERSTATE ROUTE 80 WB	1029+58	1031+00	LT		142															
103	W-91	INTERSTATE ROUTE 80 EB	1017+00	1027+80	RT		1,080															
103	W-91A	INTERSTATE ROUTE 80 EB	1027+80	1029+44	RT											164						
103	W-91B	INTERSTATE ROUTE 80 EB	1029+44	1031+00	RT		156															
103	Y-106	INTERSTATE ROUTE 80 WB	1004+80	22+00	LT			920							87							
103	Y-107	INTERSTATE ROUTE 80 WB	1004+00	1017+00	LT			1,300														
103	Y-108	INTERSTATE ROUTE 80 EB	1004+00	1017+00	RT					1,300												
103	Y-109	INTERSTATE ROUTE 80 EB	1004+00	1017+00	RT			1,300														
103	Y-110	INTERSTATE ROUTE 80 WB	1017+00	1027+91	LT			1,091														
103	Y-110A	INTERSTATE ROUTE 80 WB	1027+91	1029+55	LT												164					
103	Y-110B	INTERSTATE ROUTE 80 WB	1029+55	1031+00	LT			145														
103	Y-111	INTERSTATE ROUTE 80 EB	1017+00	1027+72	RT					1,072												
103	Y-111A	INTERSTATE ROUTE 80 EB	1027+72	1029+35	RT														163			
103	Y-111B	INTERSTATE ROUTE 80 EB	1029+35	1031+00	RT					165												
103	Y-112	INTERSTATE ROUTE 80 EB	1017+00	1027+75	RT			1,075														
103	Y-112A	INTERSTATE ROUTE 80 EB	1027+75	1029+38	RT												163					
103	Y-112B	INTERSTATE ROUTE 80 EB	1029+38	1031+00	RT			162														
103		INTERSTATE ROUTE 80 EB	1009+81	1011+24	LT								134									
104	CL-14	INTERSTATE ROUTE 80 WB	1044+13	1044+91	LT															78		
104	CL-14A	INTERSTATE ROUTE 80 WB	1044+91	1046+20	LT						129											
104	CL-15	INTERSTATE ROUTE 80 WB	1044+00	1046+20	LT						135									85		
104	DL-9	INTERSTATE ROUTE 80 WB	1046+20	1049+80	LT							360										
104	W-92	INTERSTATE ROUTE 80 WB	1031+00	1037+14	LT		614															
104	W-92A	INTERSTATE ROUTE 80 WB	1037+14	1038+70	LT											156						
104	W-92B	INTERSTATE ROUTE 80 WB	1038+70	1042+66	LT		396															
104	W-92C	INTERSTATE ROUTE 80 WB	1042+66	1043+75	LT											109						
104	W-93	INTERSTATE ROUTE 80 EB	1031+00	1037+10	RT		610															
104	W-93A	INTERSTATE ROUTE 80 EB	1037+10	1038+70	RT											160						
104	W-93B	INTERSTATE ROUTE 80 EB	1038+70	1042+59	RT		389															
104	W-93C	INTERSTATE ROUTE 80 EB	1042+59	1043+75	RT											116						
TOTALS CARRIED TO SHEET 38							18,839	17,043		8,062	464	1,760	134	87	87	868	327		163	163		
MILE							6.80		1.53							0.17	0.07		0.04			

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BACKCHECKED: ______ DATE: ______ APPROVED: ______ DATE: ______

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DESIGN AGENCY: GPD GROUP

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/09/17

DESIGNED KRM | CHECKED LOB | DRAWN DGD | IN CHARGE MRG

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 3

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 3 (CONTINUED)																				
104	W-94	RAMP 4	10+33	11+21	LT											88						
104	W-95	INTERSTATE ROUTE 80 WB	1043+75	1044+13	LT											38						
104	W-96	INTERSTATE ROUTE 80 WB	1043+75	1057+00	LT		1,215									110						
104	W-97	INTERSTATE ROUTE 80 EB	1043+75	1044+77	LT											102						
104	W-97A	INTERSTATE ROUTE 80 EB	1044+77	1057+00	LT		1,223															
104	Y-113	INTERSTATE ROUTE 80 WB	1031+00	1037+14	LT			614														
104	Y-113A	INTERSTATE ROUTE 80 WB	1037+14	1038+70	LT												156					
104	Y-113B	INTERSTATE ROUTE 80 WB	1038+70	1042+62	LT			392														
104	Y-113C	INTERSTATE ROUTE 80 WB	1042+62	1043+75	LT												113					
104	Y-114	INTERSTATE ROUTE 80 EB	1031+00	1037+10	RT			610														
104	Y-114A	INTERSTATE ROUTE 80 EB	1037+10	1038+70	RT												160					
104	Y-114B	INTERSTATE ROUTE 80 EB	1038+70	1042+55	RT			385														
104	Y-114C	INTERSTATE ROUTE 80 EB	1042+55	1043+75	RT												120					
104	Y-115	INTERSTATE ROUTE 80 EB	1031+00	1037+10	RT					610												
104	Y-115A	INTERSTATE ROUTE 80 EB	1037+10	1038+70	RT														160			
104	Y-115B	INTERSTATE ROUTE 80 EB	1038+70	1042+53	RT					383												
104	Y-115C	INTERSTATE ROUTE 80 EB	1042+53	1043+75	RT														122			
104	Y-116	RAMP 4	10+33	11+21	LT												88					
104	Y-117	INTERSTATE ROUTE 80 WB	1043+75	1044+00	LT												25					
104	Y-118	INTERSTATE ROUTE 80 WB	1043+75	1044+88	LT												113					
104	Y-118A	INTERSTATE ROUTE 80 WB	1044+88	1057+00	LT			1,212														
104	Y-119	INTERSTATE ROUTE 80 EB	1043+75	1044+74	RT												99					
104	Y-119A	INTERSTATE ROUTE 80 EB	1044+74	1057+00	RT			1,226														
104	Y-120	INTERSTATE ROUTE 80 EB	1043+75	1044+73	RT														98			
104	Y-120A	INTERSTATE ROUTE 80 EB	1044+73	1057+00	RT					1,227												
105	W-98	INTERSTATE ROUTE 80 EB	1057+00	1057+90	RT		90															
105	W-98A	INTERSTATE ROUTE 80 EB	1057+90	1061+84	RT											394						
105	W-98B	INTERSTATE ROUTE 80 EB	1061+84	1070+50	RT		866															
105	W-99	INTERSTATE ROUTE 80 WB	1057+00	1058+31	LT		131															
105	W-99A	INTERSTATE ROUTE 80 WB	1058+31	1062+20	LT											389						
105	W-99B	INTERSTATE ROUTE 80 WB	1062+20	1070+50	LT		830															
105	W-100	INTERSTATE ROUTE 80 WB	1070+50	1088+00	LT		1,750															
105	W-101	INTERSTATE ROUTE 80 EB	1070+50	1088+00	RT		1,750															
105	Y-121	INTERSTATE ROUTE 80 EB	1057+00	1057+69	RT					69												
105	Y-121A	INTERSTATE ROUTE 80 EB	1057+69	1061+66	RT														397			
105	Y-121B	INTERSTATE ROUTE 80 EB	1061+66	1070+50	RT					884												
105	Y-122	INTERSTATE ROUTE 80 EB	1057+00	1057+76	RT			76														
105	Y-122A	INTERSTATE ROUTE 80 EB	1057+76	1061+72	RT												396					
105	Y-122B	INTERSTATE ROUTE 80 EB	1061+72	1070+50	RT			878														
105	Y-123	INTERSTATE ROUTE 80 WB	1057+00	1058+16	LT			116														
105	Y-123A	INTERSTATE ROUTE 80 WB	1058+16	1062+08	LT												392					
105	Y-123B	INTERSTATE ROUTE 80 WB	1062+08	1070+50	LT			842														
105	Y-124	INTERSTATE ROUTE 80 EB	1070+50	1088+00	RT					1,750												
105	Y-125	INTERSTATE ROUTE 80 EB	1070+50	1088+00	RT			1,750														
105	Y-126	INTERSTATE ROUTE 80 WB	1070+50	1088+00	LT			1,750														
106	W-102	INTERSTATE ROUTE 80 WB	1088+00	1100+02	LT		1,202															
106	W-103	INTERSTATE ROUTE 80 EB	1088+00	1100+02	RT		1,202															
106	W-104	INTERSTATE ROUTE 80 WB	0+00	14+00	LT		1,400															
106	W-105	INTERSTATE ROUTE 80 EB	0+00	14+00	RT		1,400															
106	Y-127	INTERSTATE ROUTE 80 WB	1088+00	1100+02	LT			1,202														
106	Y-128	INTERSTATE ROUTE 80 EB	1088+00	1100+02	RT			1,202														
106	Y-129	INTERSTATE ROUTE 80 EB	1088+00	1100+02	RT					1,202												
106	Y-130	INTERSTATE ROUTE 80 WB	0+00	14+00	LT			1,400														
106	Y-131	INTERSTATE ROUTE 80 EB	0+00	14+00	RT			1,400														
106	Y-132	INTERSTATE ROUTE 80 EB	0+00	14+00	RT					1,400												
TOTALS CARRIED TO SHEET 38							13,059	15,055		7,525						1,121	1,662		777			
MILE							5.33			1.43						0.22	0.32		0.15			

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Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531 Akron, Ohio 44311
330-572-2100 Fax 330-572-2101

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MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 3

PROJECT 39-18-01
DATE: 09/22/17

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OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
OHIO TURNPIKE

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 3 (CONTINUED)																				
107	W-100	INTERSTATE ROUTE 80 WB	14+00	27+00	LT		1,300															
107	W-101	INTERSTATE ROUTE 80 EB	14+00	27+00	RT		1,300															
107	W-102	INTERSTATE ROUTE 80 WB	27+00	40+50	LT		1,350															
107	W-103	INTERSTATE ROUTE 80 EB	27+00	40+50	RT		1,350															
107	Y-133	INTERSTATE ROUTE 80 WB	14+00	27+00	LT			1,300														
107	Y-134	INTERSTATE ROUTE 80 EB	14+00	27+00	RT					1,300												
107	Y-135	INTERSTATE ROUTE 80 EB	14+00	27+00	RT			1,300														
107	Y-136	INTERSTATE ROUTE 80 WB	27+00	40+50	LT			1,350														
107	Y-137	INTERSTATE ROUTE 80 EB	27+00	40+50	RT					1,350												
107	Y-138	INTERSTATE ROUTE 80 EB	27+00	40+50	RT			1,350														
108	W-104	INTERSTATE ROUTE 80 WB	40+50	54+50	LT		1,400								51							
108	W-105	INTERSTATE ROUTE 80 EB	40+50	54+50	RT		1,400								21							
108	W-106	INTERSTATE ROUTE 80 EB/WB	54+50	61+78	RT/LT		728								72							
108	W-106A	INTERSTATE ROUTE 80 EB/WB	61+78	67+50	RT/LT				572						26							
108	W-107	INTERSTATE ROUTE 80 WB	54+50	57+50	LT		300								30							
108	W-107A	INTERSTATE ROUTE 80 WB	57+50	67+50	LT				1,000						26							
108	Y-139	INTERSTATE ROUTE 80 WB	40+50	54+50	LT			1,400								51						
108	Y-140	INTERSTATE ROUTE 80 EB	40+50	54+50	RT			1,400								21						
108	Y-141	INTERSTATE ROUTE 80 EB	40+50	54+50	RT					1,400												
108	Y-142	INTERSTATE ROUTE 80 EB	54+50	65+00	RT					1,050												
108	Y-143	INTERSTATE ROUTE 80 EB/WB	54+50	61+78	RT/LT			728								72						
108	Y-143A	INTERSTATE ROUTE 80 EB/WB	61+78	67+50	RT/LT					572						26						
108	Y-144	INTERSTATE ROUTE 80 WB	54+50	57+50	LT			300								30						
108	Y-144A	INTERSTATE ROUTE 80 WB	57+50	67+50	LT					1,000						26						
109	CL-16	INTERSTATE ROUTE 80 WB	72+00	80+50	LT						850											
109	CL-17	INTERSTATE ROUTE 80 WB	72+00	80+50	LT						850				65							
109	CL-18	INTERSTATE ROUTE 80 WB	80+50	82+40	LT						190				19							
109	CL-19	INTERSTATE ROUTE 80 WB	80+50	92+40	LT						1,190				26							
109	LL-5	INTERSTATE ROUTE 80 WB	92+40	92+50	LT	10									1							
109	W-108	INTERSTATE ROUTE 80 WB	67+50	72+00	LT		450								15							
109	W-109	INTERSTATE ROUTE 80 WB	67+50	80+50	LT				1,300													
109	W-110	INTERSTATE ROUTE 80 WB	80+50	92+50	LT				1,200													
109	Y-145	INTERSTATE ROUTE 80 WB	67+50	74+00	LT			650								15						
109	Y-145A	INTERSTATE ROUTE 80 WB	74+00	80+50	LT					650						65						
109	Y-146	INTERSTATE ROUTE 80 WB	67+50	72+00	LT			450														
109	Y-147	INTERSTATE ROUTE 80 WB	80+50	82+40	LT			190								19						
109	Y-147A	INTERSTATE ROUTE 80 WB	82+40	92+50	LT					1,010						26						
110	Y-148	INTERSTATE ROUTE 80 WB	92+50	102+40	LT			990														
110	Y-148A	INTERSTATE ROUTE 80 WB	102+40	105+50	LT					310												
110	Y-149	INTERSTATE ROUTE 80 WB	105+50	110+80	LT			530														
112	Y-150	RAMP 2	22+00	27+10	RT			510														
		TOTALS CARRIED TO SHEET 38				10	9,578	12,448	4,072	8,642	3,080			352	351							
		MILE				0.01	4.18		2.41													

(1) PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A

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Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531 Akron, Ohio 44311
330-572-2100 Fax 330-572-2101

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OHIO TURNPIKE COMMISSION

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 3

PROJECT 39-18-01
DATE: 09/22/17

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SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A (1) SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT	
		PHASE 3A																				
113	DL-10	INTERSTATE ROUTE 80 WB	968+50	976+50	LT							800										
113	W-111	INTERSTATE ROUTE 80 WB	968+50	976+50	LT		800															
114	CL-20	INTERSTATE ROUTE 80 WB	983+00	985+00	LT						200			10								
114	DL-11	INTERSTATE ROUTE 80 WB	976+50	983+00	LT							650		3								
114	W-113	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT		1,375															
114	W-114	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT		1,375							8								
114	W-112	INTERSTATE ROUTE 80 WB	976+50	990+25	LT		1,375							63								
114	Y-151	INTERSTATE ROUTE 80 WB	985+00	990+25	LT			525							53							
114	Y-152	INTERSTATE ROUTE 80 WB	990+25	1004+00	LT			1,375							8							
115	W-115	INTERSTATE ROUTE 80 WB	1004+00	1005+00	LT		100															
115	W-116	INTERSTATE ROUTE 80 WB	11+95	20+00	LT		805															
115	W-117	INTERSTATE ROUTE 80 WB	1004+00	1004+80	LT		80															
115	Y-153	INTERSTATE ROUTE 80 WB	1004+00	1005+00	LT			100														
115	Y-154	INTERSTATE ROUTE 80 WB	11+95	20+00	LT			805														
116	Y-155	INTERSTATE ROUTE 80 WB	1044+15	1049+80	LT			455										110				
TOTALS CARRIED TO SHEET 38							5,910	3,260			200	1,450		84	61		110				
MILE							1.74										0.03					

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OHIO TURNPIKE

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MAINTENANCE OF TRAFFIC SUB-SUMMARIES
PHASE 3A

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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OHIO TURNPIKE

TOTALS CARRRIED FROM THIS SHEET	614 WORK ZONE LANE LINE, CLASS I, 642 PAINT (4") FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (4" YELLOW) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" WHITE) FT	614 WORK ZONE EDGE LINE, CLASS I, 642 PAINT (6" YELLOW) FT	614 WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT (8") FT	614 WORK ZONE DOTTED LINE, CLASS I, 642 PAINT (4") FT	615 1 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN A SQ YD	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, WHITE EACH	SP 626A CONSTRUCTION ZONE MARKER, ONE-WAY MODEL, YELLOW EACH	SP 614B WORK ZONE WHITE EDGE LINE, 4 INCH FT	SP 614B WORK ZONE YELLOW EDGE LINE, 4 INCH FT		SP 614B WORK ZONE YELLOW EDGE LINE, 6 INCH FT	SP 614B WORK ZONE CHANNELIZING LINE, 8 INCH FT	SP 614B WORK ZONE DOTTED LINE, 4 INCH FT			
PHASE 1 TOTALS CARRIED FROM SHEET 28			1,680		57,584									1870					
TOTALS FOR PHASE 1			1,680		57,584									1870					
PHASE 2 TOTALS CARRIED FROM SHEET 29	840	21,380	23,360	4,700	2,720	3,080			356	348									
PHASE 2 TOTALS CARRIED FROM SHEET 30		9,853	13,212	5,825		666	1,622	461			1,182	953			70	220			
PHASE 2 TOTALS CARRIED FROM SHEET 31	600	19,151	22,324	2,324	3,134	500		488	221	215	787	1,004							
TOTALS FOR PHASE 2	1,440	50,384	58,896	12,849	5,854	4,246	1,622	949	577	563	1,969	1,957			70	220			
PHASE 2A TOTALS CARRIED FROM SHEET 32		7,506	3,606			1,292	1,706		238	51	1,163	428			200	124			
TOTALS FOR PHASE 2A		7,506	3,606			1,292	1,706		238	51	1,163	428			200	124			
PHASE 3 TOTALS CARRIED FROM SHEET 33	600	15,425	16,549	1,925	10,616	600			228	223									
PHASE 3 TOTALS CARRIED FROM SHEET 34		18,839	17,043		8,062	464	1,760	134	87	87	868	327		163	163				
PHASE 3 TOTALS CARRIED FROM SHEET 35		13,059	15,055		7,525						1,121	1,662		777					
PHASE 3 TOTALS CARRIED FROM SHEET 36	10	9,578	12,448	4,072	8,642	3,080			352	351									
TOTALS FOR PHASE 3	610	56,901	61,095	5,997	34,845	4,144	1,760	134	667	661	1,989	1,989		940	163				
PHASE 3A TOTALS CARRIED FROM SHEET 37		5,910	3,260			200	1,450		84	61		110							
TOTALS FOR PHASE 3A		5,910	3,260			200	1,450		84	61		110							
TOTALS CARRIED TO THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY	2,050	120,701	128,537	18,846	98,283	9,882	6,538	1,083	1,566	1,336	5,121	4,484		2,810	433	344			
MILE	0.39	47.21		22.19							0.97	0.85		0.54					

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GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
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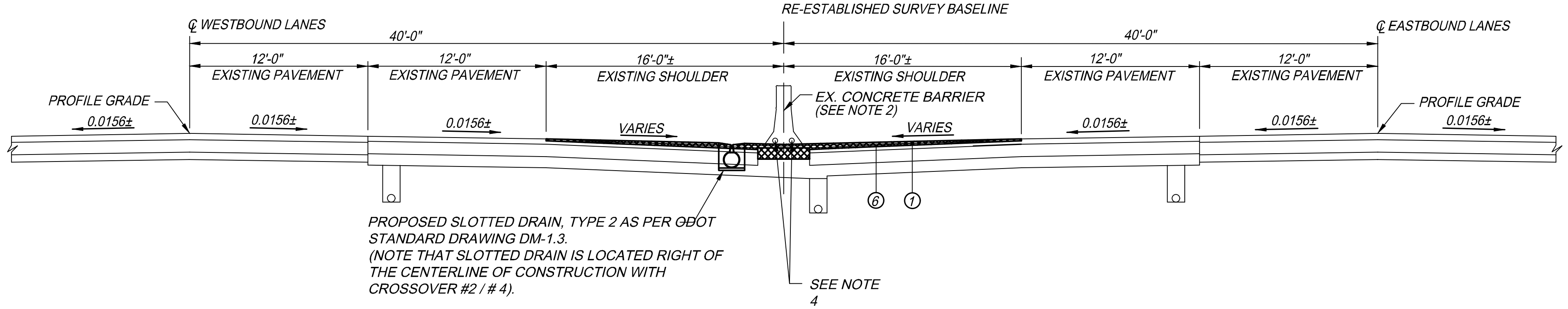
MOT TOTALS

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

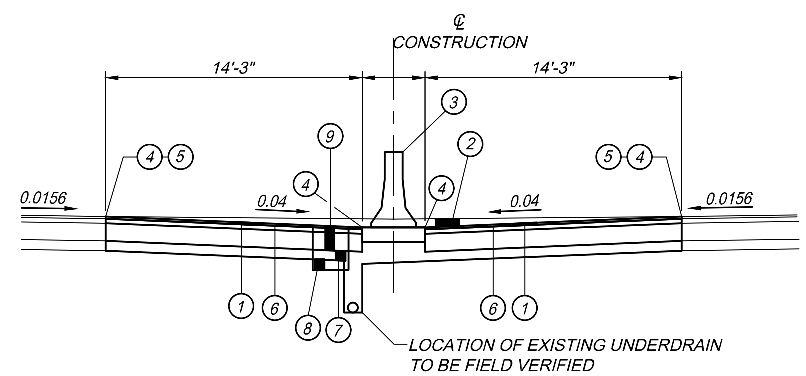
OHIO TURNPIKE

3□
393



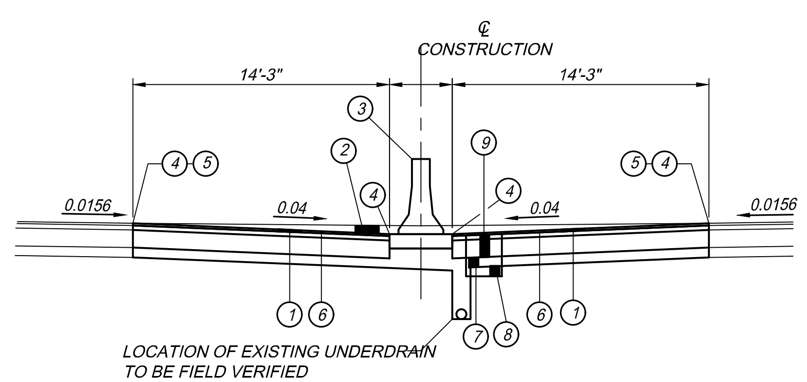
PROPOSED MAINTENANCE OF TRAFFIC CROSSOVER SECTION

EXISTING MEDIAN BARRIER REMOVAL LIMITS:
CROSSOVER #1 AND #3 - STA. 872+20, LT. TO STA. 875+70, LT.
CROSSOVER #2 AND #4 - STA. 55+40, RT. TO STA. 59+20, RT.
(SEE NOTES 2 & 3)



CROSSOVER #1 AND #3 RESTORATION TYPICAL SECTION

EXISTING MEDIAN BARRIER REMOVAL LIMITS:
CROSSOVER #1 AND #3 - STA. 872+20, LT. TO STA. 875+70, LT.
(SEE NOTES 2 & 3)



CROSSOVER #2 AND #4 RESTORATION TYPICAL SECTION

EXISTING MEDIAN BARRIER REMOVAL LIMITS:
CROSSOVER #2 AND #4 - STA. 55+40, RT. TO STA. 59+20, RT.
(SEE NOTES 2 & 3)

ITEM LEGEND

PROPOSED TEMPORARY PAVEMENT MINIMUM $1\frac{1}{2}$" THICKNESS

1. ITEM SP 404 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE, PG64-22
2. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH)
3. ITEM 622 - CONCRETE BARRIER TYPE B-50, AS PER PLAN
4. ITEM SP 404A - JOINT SEALER (APPLIED TO VERTICAL FACE)
5. ITEM SPECIAL - SAWCUT JOINT
6. ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE, APPLIED @ 0.06 GAL/S.Y.

△1
7. SP 304 - AGGREGATE BASE (T=6")
8. SP 304 - GRANULAR MATERIAL (T=6"+/-)
9. SP 302 - BITUMINOUS AGGREGATE BASE (T=10") (2 EQUAL LIFTS) (SEE NOTE 7)

NOTES:

1. THE CONTRACTOR SHALL REMOVE THE EXISTING SURFACE COURSE OF ASPHALT WITHIN THE LIMITS OF THE PROPOSED CROSSOVER TEMPORARY PAVEMENT IN ORDER TO PROVIDE THE MINIMUM $1\frac{1}{2}$" PAVEMENT THICKNESS. COST OF REMOVAL, SURFACE PREPARATION, NON-TRACKING TACK COAT AND PLACEMENT OF VARIABLE DEPTH TEMPORARY PAVEMENT TO BE INCLUDED IN THE COST OF ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN.
2. CONTRACTOR IS TO REMOVE ENTIRE MEDIAN BARRIER WALL DURING DEMOLITION OPERATIONS. MEDIAN BARRIER WALL FOUNDATION MAY REMAIN DURING CONSTRUCTION AND BE REPLACED DURING THE CROSSOVER RESTORATION.
3. THE CONTRACTOR SHALL CLOSE THE MEDIAN BARRIER OPENING AT THE END OF THE PHASE 2 EASTBOUND CONSTRUCTION SEASON USING 50" PORTABLE BARRIER. THE CONTRACTOR SHALL REOPEN THE MEDIAN BARRIER OPENING AT THE START OF THE PHASE 3 WESTBOUND CONSTRUCTION SEASON.

   ALL LABOR, EQUIPMENT AND MATERIAL COSTS ASSOCIATED WITH THE CLOSURE AND REOPENING OF THE MEDIAN BARRIER OPENING SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM SP 614 - MAINTAINING TRAFFIC.
4. THE CONTRACTOR SHALL TERMINATE THE MULTICELL CONDUIT BY PERMANENT CAPPING. THE CONTRACTOR SHALL NOT REPLACE THE MULTICELL CONDUIT. LABOR, EQUIPMENT, AND MATERIALS FOR THE ABOVE DESCRIBED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN.
5. SEE SHEET 126 FOR CROSSOVER #1 AND #3 TEMPORARY PAVEMENT AND SLOTTED DRAIN DETAILS.
6. SEE SHEET 127 FOR CROSSOVER #2 AND #4 TEMPORARY PAVEMENT AND SLOTTED DRAIN DETAILS.

△1
7. ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.075 GAL./S.Y.) SHALL BE PLACED ON SURFACE OF SP 302 AND ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE SHALL BE PLACED BETWEEN THE LIFTS OF SP 302.

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2016161MY005.dwg; 11/09/17 - 11:25am

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

MAINTENANCE OF TRAFFIC - CROSSOVER DETAILS
MOT TYPICAL SECTIONS

PROJECT 39-18-01
DATE: 09/22/17

DESIGNED	CHECKED	DRAWN	IN CHARGE
RCS	LOB	RCS	MRG

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	LOB	11/09/17
-	-	-	-
-	-	-	-

DESIGN AGENCY
GPD GROUP

SHEET NUMBER																						
14	15	16	17	18	19	20	21		137	138	139	144	145	INSERT 1				ITEM	GRAND TOTAL	UNIT	DESCRIPTION	REF. NO.
																					ROADWAY	
																		201	LUMP		CLEARING AND GRUBBING	
495																		201	495	EACH	TREE REMOVED, 18"	
164																		201	164	EACH	TREE REMOVED, 30"	
51																		201	51	EACH	TREE REMOVED, 48"	
										11								202	11	EACH	CATCH BASIN OR INLET REMOVED	
										915								202	915	FT	PIPE REMOVED	
									24442									202	24442	FT	GUARDRAIL REMOVED	
										35								202	35	EACH	HEADWALL REMOVED	
									3756									202	3756	FT	CURB REMOVED	
									864									202	864	FT	CONCRETE BARRIER REMOVED	
									730									202	730	FT	CONCRETE BARRIER REMOVED, AS PER PLAN	15
									2									202	2	EA	REMOVAL MISC.: SIGN FOUNDATION	
140												212581						202	212721	SQ YD	PAVEMENT REMOVED, AS PER PLAN	14
		46407																202	46407	FT	FENCE REMOVED	
	275																	202	275	FT	GUARDRAIL REMOVED FOR SALVAGE, AS PER PLAN	16
							1005		2068									203	3073	CU YD	EXCAVATION	
				1800														203	1800	CU YD	ROADWAY EXCAVATION AND EMBANKMENT	
							670		13183									203	13853	CU YD	EMBANKMENT	
														30178				203	30178	CU YD	EXCAVATION INCLUDING EMBANKMENT, AS PER PLAN	
														15089				203	15089	CU YD	BORROW	
														1756				203	1756	CU YD	GRANULAR MATERIAL, TYPE C	
														650				203	650	CU YD	GRANULAR EMBANKMENT, AS PER PLAN (NO. 8 AGGREGATE)	
				178														204	178	CU YD	EXCAVATION	
														11507				204	11507	SQ YD	GEOTEXTILE FABRIC, 712.09, TYPE A	
				227														204	227	SQ YD	GEOTEXTILE FABRIC, 712.09, TYPE D	
				227								726						204	953	SQ YD	SUBGRADE COMPACTION	
				230822														206	230822	SQ YD	CEMENT STABILIZED SUBGRADE, 16 INCHES DEEP, AS PER PLAN	18
				7150														206	7150	TON	CEMENT	
				13610														206	13610	GAL	CURING COAT, AS PER PLAN	18
				130														206	130	HOUR	TEST ROLLING	
					22746													209	22746	FT	DITCH CLEANOUT	
												52072						209	52072	FT	LINEAR GRADING, AS PER PLAN	15
										968								SP 519	968	SQ FT	PATCHING CONCRETE STRUCTURES	
												2064						526	2064	SQ YD	REINFORCED CONCRETE APPROACH SLAB (T=12"), AS PER PLAN	15
150									22669									606	22819	FT	GUARDRAIL, TYPE MGS WITH LONG STEEL POSTS	
									21									606	21	EACH	ANCHOR ASSEMBLY, MGS TYPE T WITH LONG STEEL POSTS	
									22									606	22	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 WITH LONG STEEL POSTS	
									14									606	14	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2 WITH LONG STEEL POSTS	
									25									SP 606A	25	EACH	ANCHOR ASSEMBLY, MGS TYPE E (ET-31)	
									2									SP 606B	2	EACH	IMPACT ATTENTUATOR, TYPE 3 (QUADGUARD ELITE)	
		46012																607	46012	FT	FENCE, TYPE 47, AS PER PLAN	16
		395																607	395	FT	FENCE, TYPE CLT, AS PER PLAN	16
									670									622	670	FT	BARRIER MISC.: CONCRETE BARRIER, TYPE B-50, AS PER PLAN	15
									4									622	4	EACH	BARRIER MISC.: CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B-50	
									6									622	6	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN	15
									18									622	18	EACH	CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN	15
									567									622	567	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	15
				227														861	227	SQ YD	GEOGRID FOR SUBGRADE STABILIZATION, AS PER PLAN, TENSAR TRIAX 160 GEOGRID	18
														3020				SPECIAL	3020	CU YD	LIMESTONE SAND	INSERT 1
		46407																SPECIAL	46407	FT	FENCELINE CLEARING AND GRUBBING	16
																				1		
	16000																	SPECIAL	16000	FT	CRUSHING PORTABLE CONCRETE BARRIERS	15
																					EROSION CONTROL	
																		SP 113	LUMP	1	SWP3 MANAGEMENT	
														25				601	25	CU YD	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
										14								601	14	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER	
													3420					653	3420	CU YD	TOPSOIL FURNISHED AND PLACED~~, AS PER PLAN~~ 1	
						5												659	5	EACH	SOIL ANALYSIS TEST	
						8013	335							1460				659	9808	CU YD	TOPSOIL	
						72182								13275				659	85457	SQ YD	SEEDING AND MULCHING	
							3014											659	3014	SQ YD	SEEDING AND MULCHING, CLASS 3B	
													20500					659	20500	SQ YD	SEEDING AND MULCHING, CLASS 3A	
						3610												659	3610	SQ YD	REPAIR SEEDING AND MULCHING	
						3610												659	3610	SQ YD	INTER-SEEDING	
						9.75												659	9.75	TON	COMMERCIAL FERTILIZER	
						14.92												659	14.92	ACRE	LIME	
						390	16											659	406	M GAL	WATER	
						20												659	20	MILES	MOWING	

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201616GG001.dwg; 11/08/17 - 10:31am

DESIGN AGENCY
GPD GROUP®
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531, Akron, Ohio 44311
330-572-2100
Fax 330-572-2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	CLH	11/08/17
-	-	-	-
-	-	-	-

DESIGNED CLH | DRAWN CLH | CHECKED LRK | IN CHARGE MRG

GENERAL SUMMARY
ROADWAY AND EROSION CONTROL

PROJECT 39-18-01
DATE: 09/22/17

13 / 393

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

SHEET NUMBER																		ITEM	GRAND TOTAL	UNIT	DESCRIPTION	REF. NO.
14	15	16	17	18	19	20	21		137	138	139	144	145	INSERT 1								
																					PAVEMENT - CONTINUED	
									237									609	237	FT	CURB, TYPE 4-C	
4												624						SP 627	628	CU YD	STONE SHOULDER PROTECTION	
0.03												18.99						SPECIAL	19.02	MILE	SONIC NAP ALERT PATTERN (SNAP)	
																					MAINTENANCE OF TRAFFIC	
																					FOR MAINTENANCE OF TRAFFIC GENERAL SUMMARY SEE SHEET	27
																					LIGHTING	
																					FOR LIGHTING GENERAL SUMMARY SEE SHEET	284
																					TRAFFIC CONTROL	
																					FOR TRAFFIC CONTROL GENERAL SUMMARY SEE SHEET	292
																					BRIDGE MAINTENANCE	
																					FOR BRIDGE MAINTENANCE SUMMARIES SEE SHEET	354
																					GENERAL	
																		IB, ART.6	LUMP	1	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND	
																		SP 119	LUMP	1	RAILROAD PROTECTIVE LIABILITY INSURANCE - NS	
																		SP 614	LUMP	1	MAINTAINING TRAFFIC	
																		SP 619	LUMP	1	FIELD OFFICE	
																		SP 623	LUMP	1	CONSTRUCTION LAYOUT SURVEY	
																		624	LUMP	1	MOBILIZATION	

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CHECKED: _____ DATE: _____

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2016161GG001.dwg: 11/08/17 - 1:41pm

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1	ADDENDUM #1	CLH	11/08/17
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-	-	-	-

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GENERAL SUMMARY
VARIOUS

PROJECT 39-18-01
DATE: 09/22/17

136
393

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

THE JAMES W. SHOCKNESSY OHIO TURNPIKE

OHIO TURNPIKE

PROJECT NO. 39-18-01
RIGHT TWO LANES AND SHOULDER RECONSTRUCTION E.B. & W.B.

MILEPOST 149.24 TO MILEPOST 154.10
STATION 883+00 TO STATION 43+25
LORAIN AND CUYAHOGA COUNTIES

DATE PREPARED: 09/22/17

LOCATION MAP

LATITUDE: 41°22'45" N LONGITUDE: 81°59'57" W

SCALE IN MILES

0 1 2 3 4

N

PORTION TO BE IMPROVED

STATE & FEDERAL ROUTES

COUNTY & TOWNSHIP ROUTES

POST-CONSTRUCTION STORM WATER CONTROLS:

NO POST-CONSTRUCTION STORM WATER CONTROLS ARE REQUIRED, AS ROADSIDE DITCHES WILL PROVIDE VEGETATED SWALES FOR POLLUTANT REMOVAL.

PROJECT DESCRIPTION:

RECONSTRUCTION OF THE RIGHT TWO LANES AND THE SHOULDER OF THE OHIO TURNPIKE (IR-80 AND IR-90) BETWEEN MILEPOSTS 149.24 AND 154.10

PROJECT DATA

TOTAL AREA (RIGHT-OF-WAY)	159.28 AC.
PROJECT EARTH DISTURBED AREA (FIGURE 1112-1)	50.73 AC.
ESTIMATED CONTRACTOR EARTH DISTURBED AREA (FIGURE 1112-1)	1.00 AC.
NOTICE OF INTENT EARTH DISTURBED AREA (FIGURE 1112-1)	51.73 AC.
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.69
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.69
TOTAL IMPERVIOUS AREA (PRE-CONSTRUCTION)	77.34 AC.
TOTAL IMPERVIOUS AREA (POST-CONSTRUCTION)	77.56 AC.
PERCENT IMPERVIOUS (POST-CONSTRUCTION)	48.7%
SOIL MAP REFERENCE	LORAIN AND CUYAHOGA COUNTIES SOIL SURVEY (NRCS WEB SOIL SURVEY)
IMMEDIATE RECEIVING WATERS	RIDGEWAY DITCH AND FRENCH CREEK
SUBSEQUENT RECEIVING WATERS	BLACK RIVER
LATITUDE	41°22'45" N
LONGITUDE	81°59'57" W
USGS MAP REFERENCE	AVON, NORTH OLMSTED, AND WEST VIEW QUADRANGLES

SITE OPERATOR:

TO BE DETERMINED

SWP3 AUTHORIZATION:

JOHN MAAR, CPESC
GPD GROUP
1801 WATERMARK DRIVE
SUITE 210
COLUMBUS, OHIO 43215
614.588.8945
jmaar@gpdgroup.com

INDEX OF SHEETS

ESTIMATED QUANTITIES

STATION		SHEET	832			
			PERIMETER GEOTEXTILE FABRIC FENCE	FILTER FABRIC DITCH CHECK	INLET PROTECTION	ROCK CHANNEL PROTECTION, TYPE D WITHOUT FILTER
FROM	TO OR AT		FT.	FT.	FT.	CU. YD.
883+00	932+00	147	251	360		10
932+00	987+50	148	395	390		16
987+50	1042+00	149	569	435	50	10
1042+00	1099+00	150	1190	375		16
1099+00	43+25	151	155	330		8
SUBTOTALS FROM THIS SHEET			2560	1890	50	60
CONTINGENCY QUANTITIES			260	190	10	6
TOTALS TO GENERAL SUMMARY			2820	2080	60	66

THESE QUANTITIES CARRIED TO GENERAL SUMMARY SHEET 134 .

VEGETATED FILTER STRIPS AND BIOFILTERS

CONTINGENCY QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR PLACING 6" OF TOPSOIL, CLASS 3A SEEDING, AND EROSION CONTROL MATTING FOR INSTALLING VEGETATED FILTER STRIPS OR BIOFILTERS IN ACCORDANCE WITH ODOT CMS ITEMS 653, 659, AND 670 WITHIN THE PROJECT AREA. PRIOR TO CONSTRUCTING THE VEGETATED FILTER STRIPS OR BIOFILTERS, THE CHIEF ENGINEER SHALL PROVIDE A COMPREHENSIVE LIST OF LOCATIONS WHERE THE FILTER STRIPS OR BIOFILTERS ARE PROPOSED. THE TOTAL CUMULATIVE AREA OF THE VEGETATED FILTER STRIPS MAY INCLUDE EXISTING AREAS THAT MAY ALREADY BE CONSIDERED A FILTER STRIP OR BIOFILTER. CARE SHALL BE TAKEN IN THE AREAS ALREADY CONSIDERED A FILTER STRIP OR BIOFILTER TO NOT DISTURB THE EXISTING VEGETATION. THESE EXISTING AREAS WILL BE NOTED IN THE PROVIDED LIST OF FILTER STRIP AND BIOFILTER LOCATIONS.

ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS TO INSTALL NEW VEGETATED FILTER STRIPS AND BIOFILTERS SHALL BE PAID FOR IN ACCORDANCE WITH THE FOLLOWING BID ITEMS:

ITEM 653 - TOPSOIL FURNISHED AND PLACED ~~, AS PER PLAN~~ (1)	3,420 CY
ITEM 659 - SEEDING AND MULCHING, CLASS 3A	20,500 SY
ITEM 670 - DITCH EROSION PROTECTION	20,500 SY

APPLICABLE STANDARD DRAWINGS:

ODOT HYDRAULIC STANDARD CONSTRUCTION DRAWING DM-4.3 (1-15-16)
ODOT HYDRAULIC STANDARD CONSTRUCTION DRAWING DM-4.4 (1-15-16)
ODOT ROADWAY STANDARD CONSTRUCTION DRAWING BP-4.1 (7-19-13)

WATERS OF THE STATE PROTECTION:

IF CONSTRUCTION ACTIVITIES DISTURB AREAS ADJACENT TO WATERS OF THE STATE, STRUCTURAL PRACTICES SHALL BE IMPLEMENTED ON SITE TO PROTECT ALL ADJACENT WATERS OF THE STATE FROM THE IMPACTS OF SEDIMENT RUNOFF. NO STRUCTURAL SEDIMENT CONTROLS SHALL BE USED IN THE WATERS OF THE STATE. FOR ALL CONSTRUCTION ACTIVITIES IMMEDIATELY ADJACENT TO SURFACE WATERS OF THE STATE, A FIFTY (50) FOOT PERMANENT BUFFER SETBACK FROM AN INTERMITTENT STREAM AND A SEVENTY-FIVE FOOT SETBACK FROM A PERENNIAL STREAM SHOULD BE MAINTAINED IN ITS NATURAL STATE AND LEFT UNDISTURBED ALONG WATERS OF THE STATE, AS MEASURED FROM THE ORDINARY HIGH WATER MARK OF THE SURFACE WATER. WHERE IMPACTS WITHIN THIS SETBACK ARE UNAVOIDABLE DUE TO THE NATURE OF THE CONSTRUCTION ACTIVITY, THE PROJECT SHALL BE DESIGNED SUCH THAT THE NUMBER OF STREAM CROSSINGS AND THE WIDTH OF THE DISTURBANCE WITHIN THE SETBACK AREA ARE MINIMIZED.

THE CONTRACTOR SHALL NOT PLACE ANY EQUIPMENT IN OR PERFORM ANY WORK IN ANY OF THE STREAMS CROSSING THE PROJECT AREA. EQUIPMENT SHALL BE MOVED ACROSS STREAM CHANNELS ON EXISTING BRIDGES. NO TEMPORARY STREAM CROSSINGS MAY BE CONSTRUCTED.

ADDITIONAL CONTROLS:

ANY ADDITIONAL SEDIMENT AND EROSION CONTROLS REQUIRED TO MANAGE SEDIMENT AND EROSION FOR THIS PROJECT, NOT SEPARATELY ITEMIZED BELOW, AND REQUIRED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND/OR REQUIRED AS PART OF SUPPLEMENTAL SPECIFICATION 832, SHALL BE PAID FOR AT THE LUMP SUM BID PRICE FOR ITEM 832 - EROSION CONTROL.

REQUIRED SWP3 SUBMITTALS:

THE CONTRACTOR SHALL PREPARE AND SUBMIT THE FOLLOWING TO THE OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION IN ORDER TO FINALIZE THE STORM WATER POLLUTION PREVENTION PLAN:

- NOI CO-PERMITTEE FORM (SUBMIT TO OHIO EPA).
- SCHEDULE OF DISTURBANCE.
- IDENTIFICATION OF ALL ON-SITE BATCH PLANTS (IF ANY).
- IDENTIFICATION OF PROPOSED WASTE AND BORROW AREAS.
- IDENTIFICATION OF PROPOSED ON-SITE FUELING AREAS.
- IDENTIFICATION OF STAGING AND MATERIAL STORAGE AREAS.
- IDENTIFICATION OF BATCHING AREAS AND MIXING AREAS.
- SPILL PREVENTION CONTROL AND COUNTER MEASURES PLAN (IF NEC.).
- WASTE HANDLING PLAN.
- HAZARDOUS WASTE SPILL PLAN.

SWP3 NOTES:

THIS SWP3 IS MEANT TO BE USED AS A BASE PLAN FOR THE CONTRACTOR AND IS REQUIRED TO BE MODIFIED, AS NECESSARY, AND CERTIFIED THAT THE PLAN IS APPROPRIATE FOR THE MEANS, METHODS, AND CONSTRUCTION SCHEDULE TO BE EMPLOYED BY THE CONTRACTOR DURING CONSTRUCTION OF THIS PROJECT. FURTHERMORE, ANY MODIFICATIONS TO THE SWP3 REQUIRED AS A RESULT OF A CONTROL(S) NOT PERFORMING AS INTENDED, NOT INITIALLY PROPOSED, OR NOT REQUIRED SHALL BE TREATED AS A CHANGE ORDER ITEM. ONCE A CHANGE ORDER IS APPROVED, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THE SWP3 IS REVISED AND LOGGED IN THE SWP3 REVISION LOG.

BASED ON SOIL MAPPING IN THE LORAIN AND CUYAHOGA COUNTIES SOIL SURVEYS, NO HIGHLY UNSTABLE OR ERODIBLE NATIVE SOILS ARE PRESENT. THE ERODIBLE PROPERTIES OF FILL MATERIAL USED FOR LOCAL ROAD OVERPASSES IS UNKNOWN BUT THE CONTRACTOR SHALL TAKE CARE TO AVOID DISTURBING OVERPASS EMBANKMENTS FOR ANY LOCAL ROAD CROSSING IN THE PROJECT AREA. FOR EXISTING SOIL DATA, SEE SOIL BORINGS.

NO PERMANENT STORM WATER MANAGEMENT BASINS ARE PROPOSED AS PART OF THIS PROJECT. THE PROJECT DOES NOT REQUIRE PERMANENT POST-CONSTRUCTION BMP PLACEMENT AND NO PERMANENT EROSION AND SEDIMENT CONTROLS ARE PROPOSED.

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CHECKED: ______ DATE: ______ CORRECTED: ______ DATE: ______

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201616IDE001.dwg; 11/08/17 - 10:26am

DESIGN AGENCY
GPD GROUP
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NO.	REVISIONS	BY	DATE
1	ADDENDUM #1	CLH	11/08/17
-	-	-	-
-	-	-	-

DESIGNED PJF	CHECKED JAM
DRAWN PJF	IN CHARGE MRG

SWP3
TITLE SHEET AND SWP3 QUANTITIES

PROJECT 39-18-01
DATE: 09/22/17

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION