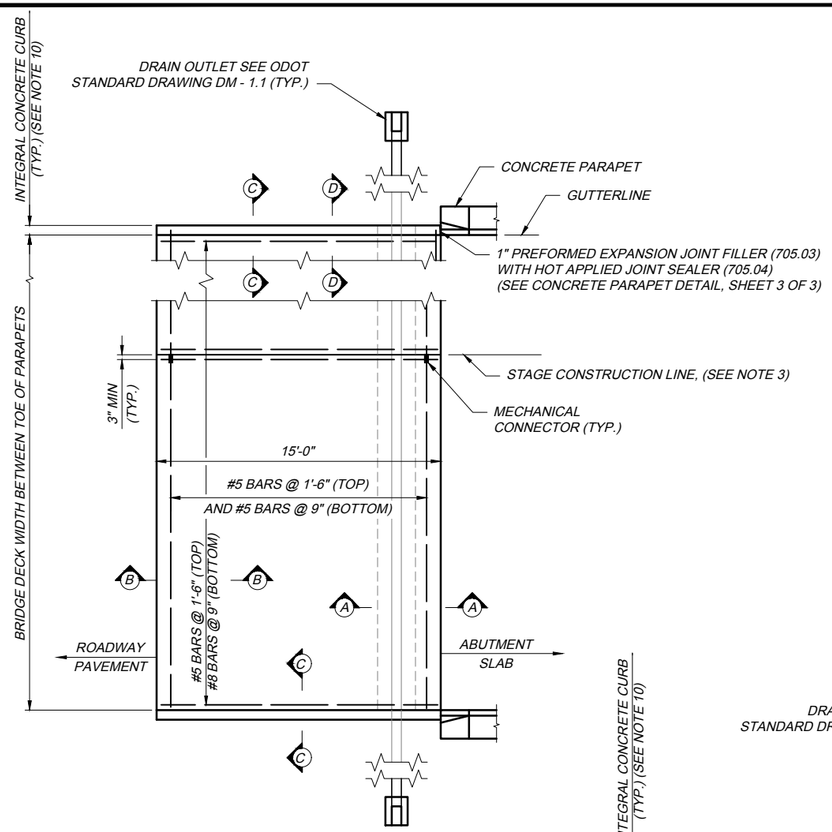
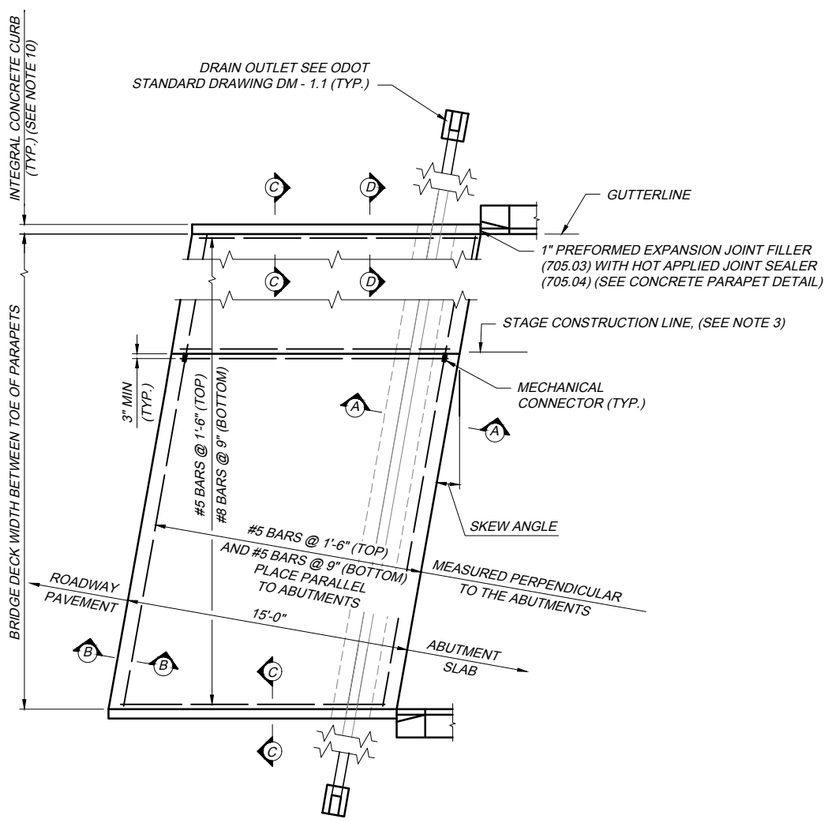


PLAN
(SHOWING NON-SKEWED APPROACH SLAB)



PLAN
(SHOWING SKEWED APPROACH SLAB)

NOTES

1. THIS DRAWING PROVIDES DESIGN AND GENERAL CONSTRUCTION DETAILS. THE PROJECT PLANS WILL SHOW SKEW, CURBS IF ANY, ESTIMATED QUANTITIES, AND SPECIAL NOTES AND DETAILS, WHERE NECESSARY FOR CONDITIONS OTHER THAN THOSE INDICATED HEREIN. THE APPROACH SLAB SHALL BE ADAPTED TO FIT THE ENDS OF THE BRIDGE AND THE APPROACH PAVEMENT.
2. REINFORCING STEEL SHALL BE EPOXY COATED IN ACCORDANCE WITH SP 509. THE REINFORCING CLEARANCE TO THE CONCRETE SURFACE SHALL BE 3" UNLESS OTHERWISE SHOWN.
3. LONGITUDINAL CONSTRUCTION JOINTS AND PERMISSIBLE CONSTRUCTION JOINTS REQUIRED FOR STAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CMS 509.07 AND 511.09. THE SURFACE SHALL BE TREATED IN ACCORDANCE WITH SP 516B AND AS DETAILED ON THE WIDENING DETAIL. PROVIDE 2'-6" LAP SPLICE OF REBARS OR PROVIDE MECHANICAL CONNECTORS PER CMS 509.07. A KEY WAY SHALL BE PROVIDED IN ACCORDANCE WITH CMS 511.09.
4. THE CROWN SHALL CONFORM TO THAT OF THE APPROACH PAVEMENT, ABUTMENT SLAB, AND BRIDGE DECK. IF THE RATE OF CROWN OF THE BRIDGE DECK DIFFERS FROM THAT OF THE APPROACH PAVEMENT, A SMOOTH TRANSITION SHALL BE PROVIDED ON THE APPROACH PAVEMENT.
5. 6" PERFORATED PIPE UNDERDRAIN WITH FABRIC WRAP PER SP 605 SHALL BE SLOPED AT ⅛" / FT. UNDER THE APPROACH SLAB THEN DRAINED WITH THE SAME PIPE MATERIAL AND BACKFILLED AT A 2% PREFERRED MINIMUM SLOPE ONTO THE ADJACENT EMBANKMENT. THE STONE SHALL BE IN ACCORDANCE WITH SP 605. PROVIDE A PRECAST REINFORCED CONCRETE OUTLET AND A TIED CONCRETE BLOCK MAT, TYPE 1 PER ODOT STANDARD DRAWING DM 1.1. THE UNDERDRAIN SHALL START AT THE MEDIAN AND DRAIN TOWARD THE OUTSIDE SHOULDER ON ALL MAINLINE APPROACH SLABS.
6. BASE MATERIAL SHALL BE SP 304 - AGGREGATE BASE.
7. SAW CUT A ½" X 2" GROOVE AND THEN APPLY A HOT JOINT SEALER PER CMS 705.04 (SEE DETAIL A, SHEET 3 OF 3).
8. TYPE A WATERPROOFING SHALL NOT EXTEND ABOVE THE BOTTOM OF THE ½" X 2" GROOVE. IT SHALL BE APPLIED TO THE ENTIRE AREA OF THE ABUTMENT WHICH COMES INTO CONTACT WITH THE APPROACH SLAB (SEE DETAIL A, SHEET 3 OF 3).
9. 1" PREFORMED EXPANSION JOINT FILLER SHALL BE PER CMS 705.03.
10. CURBS, BRIDGES WITH SIDEWALKS: FOR BRIDGES CONSTRUCTED WITH RAISED SIDEWALKS, DEFLECTOR PARAPETS OR OTHER TYPES OF CONSTRUCTION WHICH RETAIN ROADWAY SURFACE DRAINAGE, THE APPROACH SLABS SHALL EITHER INCLUDE INTEGRAL CURBS OR BE CONSTRUCTED IN CONJUNCTION WITH BRIDGE CURBS. CURB HEIGHT SHALL BE TRANSITIONED UNIFORMLY BETWEEN BRIDGE CURB HEIGHT AND APPROACH CURB HEIGHT.
11. APPROACH SLAB WIDTH SHALL EXTEND FROM GUTTER LINE TO GUTTER LINE AND BE 6" WIDER FOR EACH CURB BEYOND THE EDGE OF THE PARAPETS.
12. REMOVAL OF EXISTING CURB FOR APPROACH SLAB WIDENING SHALL BE PER SP 202 AND THE REMOVAL SHALL BE INCIDENTAL TO THE COST OF ITEM 526.
13. FRONT FACE OF CURB SHALL LINE UP WITH THE FRONT FACE OF THE GUARDRAIL PER ODOT STANDARD DRAWING MGS 3.1. IF CURB IS NOT REQUIRED ON THE APPROACHING ROADWAY, THE CURB SHALL STILL MEET THE LENGTH AS REQUIRED ON ODOT STANDARD DRAWING MGS 3.1.
14. THE DETERIORATED PORTIONS OF THE APPROACH SLAB SEAT SHALL BE RECONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THIS DETAIL OR AS DIRECTED BY THE CHIEF ENGINEER. REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH SP 202 - PORTIONS OF STRUCTURE REMOVED. PAYMENT FOR THIS WORK SHALL BE MADE AT THE UNIT PRICE BID FOR SP 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN AND SHALL INCLUDE THE SP 202 REMOVAL.
15. THE APPROACH SLAB SHALL BE WATER CURED WITH TWO LAYERS OF WET BURLAP FOR THE FIRST 24 HOURS OF THE 7 DAY CURING PERIOD. AFTER 24 HOURS, WHITE POLYETHYLENE SHEETING MAY BE APPLIED OVER THE PREVIOUS LAYERS OF WET BURLAP FOR THE REMAINDER OF THE CURING PERIOD. WATER SHALL BE CONTINUOUSLY APPLIED TO THE BURLAP AND THE BURLAP SHALL REMAIN WET DURING THE ENTIRE CURING PERIOD. ALL REQUIREMENTS FOR PLACING AND MAINTAINING THE SHEETING AND/OR BURLAP SHALL BE IN ACCORDANCE WITH CMS 511.14.STORAGE TANKS FOR CURING WATER SHALL BE ON SITE AND FILLED BEFORE CONCRETE PLACEMENT WILL BE PERMITTED TO START. STORAGE TANKS SHALL REMAIN ON SITE THROUGHOUT THE ENTIRE CURE PERIOD. THEY SHALL BE REPLENISHED, AS REQUIRED, WITH A SHUTTLE TANKER TRUCK OR A LOCAL WATER SOURCE SUCH AS A FIRE HYDRANT. CARE SHALL BE TAKEN TO AVOID THERMAL SHOCK OR EXCESSIVELY STEEP THERMAL GRADIENTS DUE TO THE USE OF COLD CURING WATER. CURING WATER SHALL NOT BE MORE THAN TWENTY (20)° F COOLER THAN THE CONCRETE, BECAUSE OF SURFACE TEMPERATURE STRESSES WHICH COULD CAUSE CRACKING.
16. CURING CONCRETE DURING COLD WEATHER SHALL BE PER CMS 511.12.
17. THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD FOR ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=12"), AS PER PLAN:
    - OTIC STANDARD DRAWING AS-1, ALL DETAILS
    - ALL JOINTS, INCLUDING MECHANICAL CONNECTORS, DOWEL HOLES, DOWELS, AND GROUT
    - GROOVE / SAW CUT AND JOINT SEALER
    - TYPE 'A' WATERPROOFING
    - 1" PERFORMED EXPANSION JOINT FILLER WITH JOINT SEALER
    - MEDIAN AND OUTSIDE BARRIERS / INTEGRAL CURBS
    - EPOXY COATED REINFORCING STEEL
    - 6" PERFORATED PIPE UNDERDRAIN WITH FABRIC WRAP, POROUS BACKFILL, PRECAST REINFORCED CONCRETE OUTLET AND A TIED CONCRETE BLOCK MAT, TYPE 1 .
    - HIGH MOLECULAR WEIGHT METHACRYLATE (SP 516B)

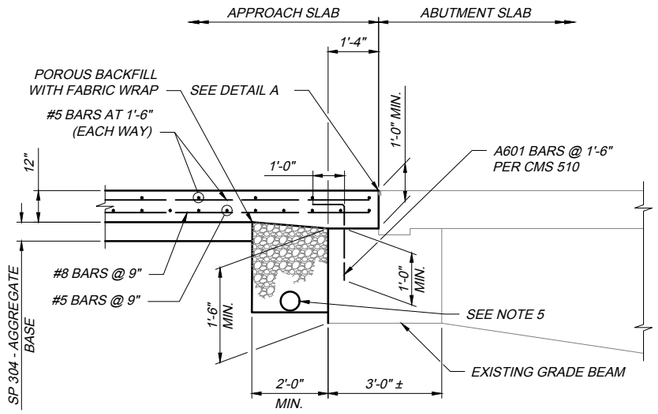
DATE: DECEMBER 31, 2019

STANDARD DRAWING

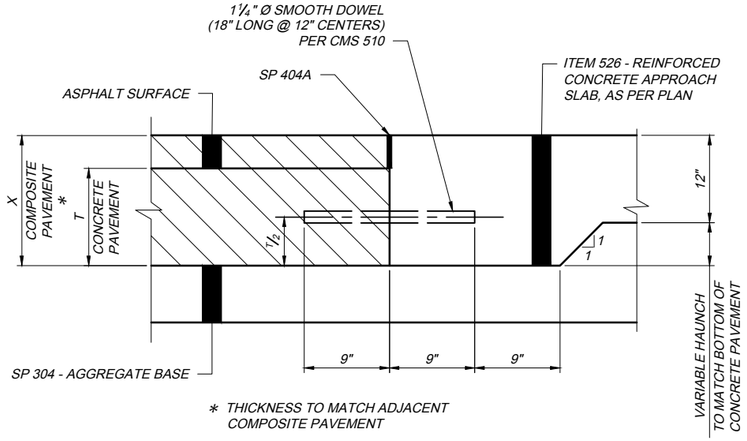
REINFORCED CONCRETE APPROACH SLAB

AS-1

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

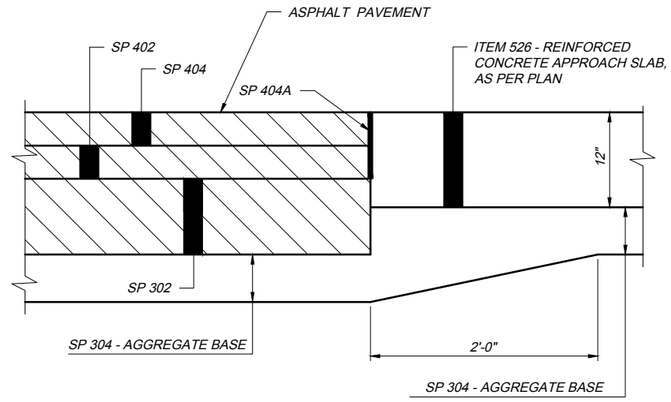


SECTION A-A



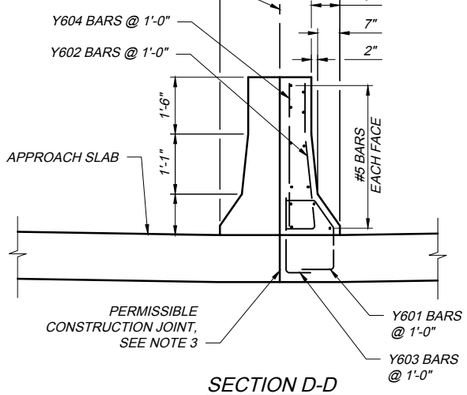
SECTION B-B

COMPOSITE PAVEMENT



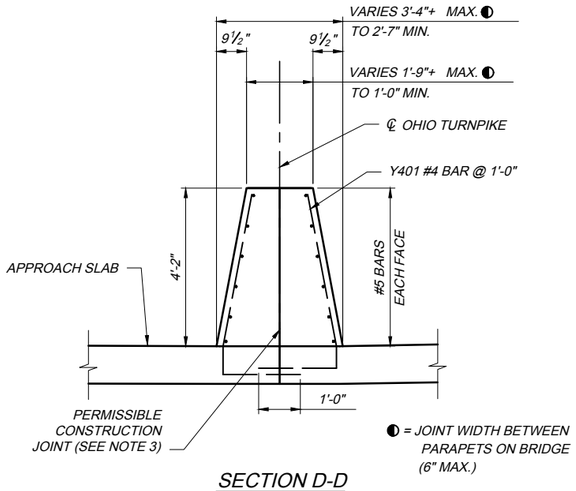
SECTION B-B

FLEXIBLE PAVEMENT



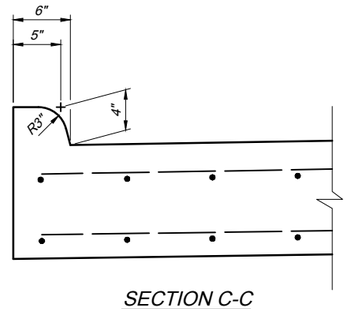
SECTION D-D

REINFORCING AND DIMENSIONS SYMMETRICAL ABOUT CENTERLINE
(SHOWN WITH 50" NEW JERSEY BARRIER)



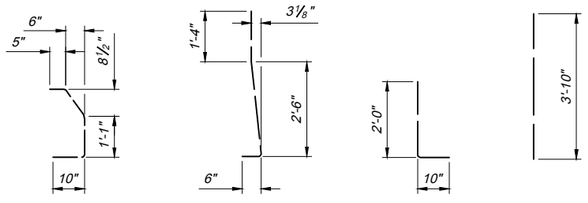
SECTION D-D

REINFORCING AND DIMENSIONS SYMMETRICAL ABOUT CENTERLINE
(SHOWN WITH 50" CONCRETE BARRIER, SINGLE SLOPE)



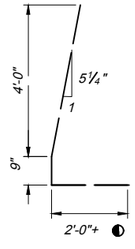
SECTION C-C

(SHOWN WITH INTEGRAL CONCRETE CURB)



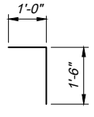
BAR BENDING DIAGRAMS

(50" NEW JERSEY BARRIER)



BAR BENDING DIAGRAMS

(50" CONCRETE BARRIER, SINGLE SLOPE)



BAR BENDING DIAGRAMS

(GRADE BEAM)

NOTES

FOR NOTES, SEE SHEET 1 OF 3.

FOR DETAIL A, SEE SHEET 3 OF 3.

DATE: DECEMBER 31, 2019

STANDARD DRAWING

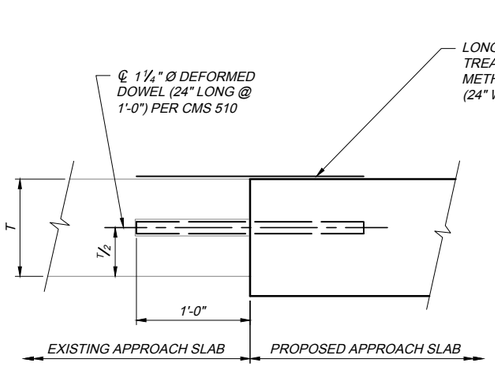
REINFORCED CONCRETE APPROACH SLAB

AS-1

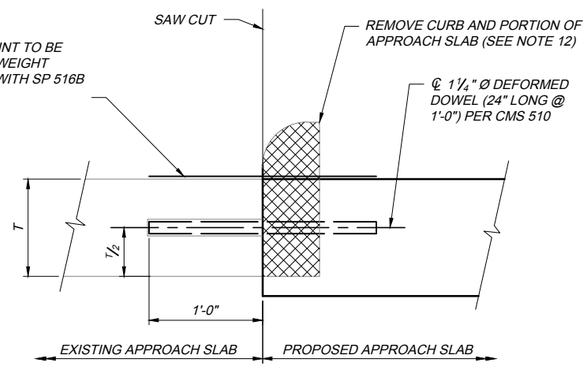
2 / 3

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

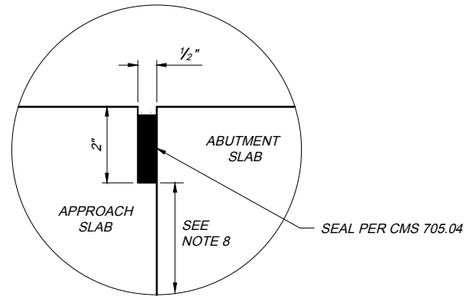


TRANSVERSE SECTION
(SHOWN WITHOUT INTEGRAL CONCRETE CURB)

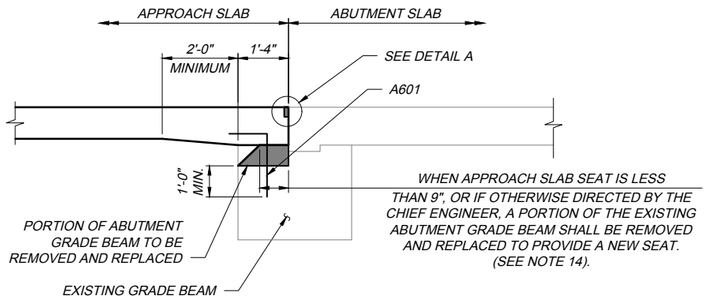


TRANSVERSE SECTION
(SHOWN WITH INTEGRAL CONCRETE CURB)

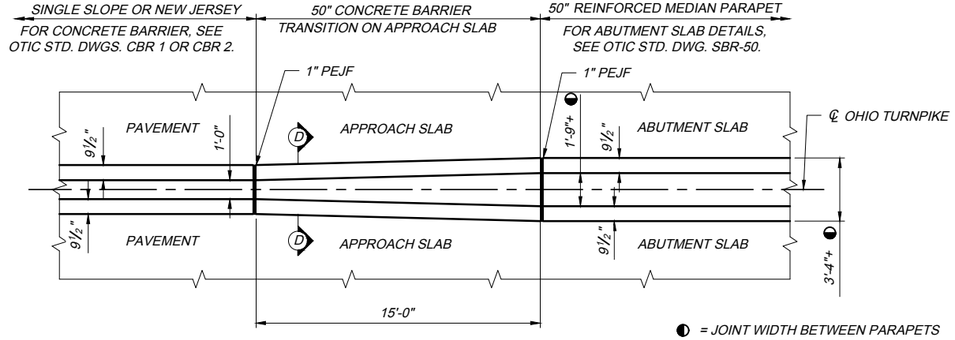
WIDENING DETAIL



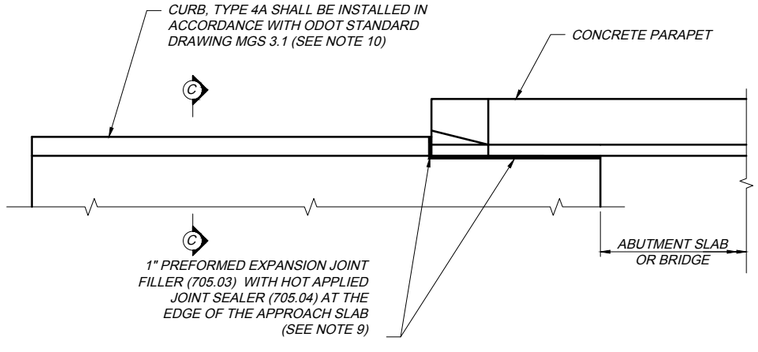
DETAIL A
(SEE NOTE 7)



APPROACH SLAB SEAT REPAIR DETAIL



MEDIAN BARRIER TRANSITION DETAIL



CONCRETE PARAPET DETAIL
(OUTSIDE EDGE OF APPROACH SLAB AT THE END OF CONCRETE PARAPET)

NOTES

FOR NOTES, SEE SHEET 1 OF 3.

DATE: DECEMBER 31, 2019

STANDARD DRAWING

REINFORCED CONCRETE APPROACH SLAB

AS-1

3 / 3

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

OHIO TURNPIKE

AS-1 2019.12.31.DWG; 12/18/19 - 8:47am