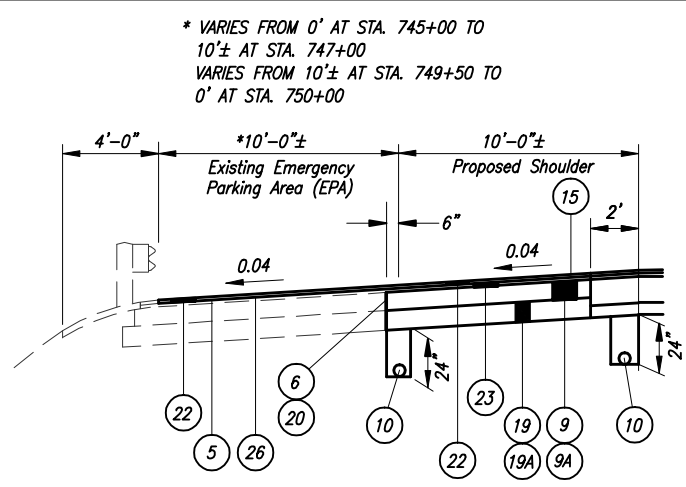
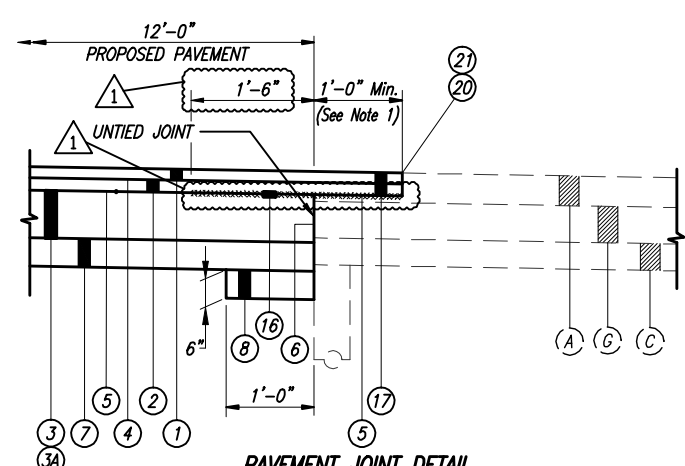


SHOULDER DETAIL
SCALE: 1" = 2'

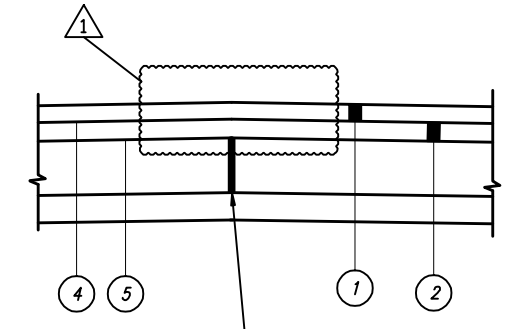
ASPHALT CURB SHOULDER DETAIL
SCALE: 1" = 2'
STA. 646+48 TO STA. 679+17
STA. 682+17 TO STA. 694+50



EMERGENCY PARKING AREA DETAIL
STA. 745+00 TO STA. 750+00

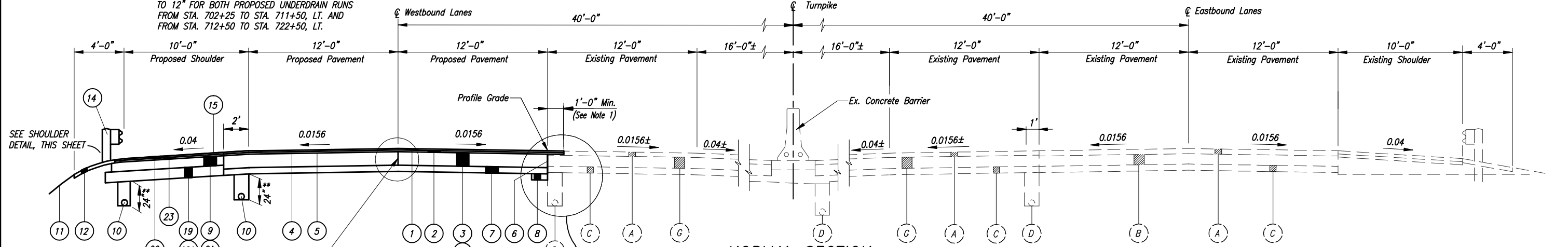


PAVEMENT JOINT DETAIL
NOT TO SCALE



LONGITUDINAL JOINT DETAIL
NOT TO SCALE

** NOTE: UNDERDRAIN DEPTH SHALL BE REDUCED TO 12" FOR BOTH PROPOSED UNDERDRAIN RUNS FROM STA. 702+25 TO STA. 711+50, LT. AND FROM STA. 712+50 TO STA. 722+50, LT.



NORMAL SECTION

STA. EQUATION: STA. 603+50.00 TO STA. 614+93.68
STA. 613+57.36 BACK = STA. 613+60.00 AHEAD
STA. 649+18.29 TO STA. 669+81.62
STA. 713+30.52 TO STA. 768+86.23
STA. 808+75.00 TO STA. 819+50.00
STA. EQUATION: STA. 808+73.03 BACK = STA. 808+75.00 AHEAD
STA. 847+00.00 TO STA. 863+90.00

NOTE 1: ASPHALT PAVEMENT PLANING OPERATION WITHIN THIS ONE-FOOT AREA MAY OCCUR BEFORE OR AFTER PLACEMENT OF ITEM 452-NON-REINFORCED CONCRETE PAVEMENT (T=12") OR ITEM SP 302-11" BITUMINOUS AGGREGATE BASE COURSE, PG 64-22. REQUIREMENTS FOR ASPHALT PLACED WITHIN THIS ONE-FOOT AREA SHALL BE IN STRICT COMPLIANCE WITH SP 400.

NOTE 2: SAW CUT IS REQUIRED. SAW CUT MAY BE WAIVED BY CHIEF ENGINEER PROVIDED CONTRACTOR DEMONSTRATES ABILITY TO PROVIDE A STRAIGHT, VERTICAL FACE CUT WITH NO DAMAGE TO ADJACENT PAVEMENT. SEE SHEET 9 FOR SAW CUTTING DETAILS.

NOTE 3: ASPHALT CURB TO BE SEALED AS PER THE REQUIREMENTS OF SP 400.

NOTE 4: THE BASE BID PAVEMENT SECTION FOR THIS PROJECT SHALL BE AS FOLLOWS:
MAINLINE PAVEMENT: CONCRETE BASE PAVEMENT WITH AN ASPHALT OVERLAY
SHOULDER PAVEMENT: ROLLER COMPACTED CONCRETE WITH AN ASPHALT OVERLAY
SHOULDER AGGREGATE: ITEM SP 304 - AGGREGATE BASE

NOTE 5: THE ALTERNATE PAVEMENT SECTION FOR THIS PROJECT SHALL BE AS FOLLOWS:
MAINLINE PAVEMENT: FULL DEPTH ASPHALT PAVEMENT SECTION
SHOULDER PAVEMENT: FULL DEPTH ASPHALT PAVEMENT SECTION

NOTE 6: THE SHOULDER AGGREGATE BASE MATERIAL ALTERNATE SHALL BE AS FOLLOWS:
SHOULDER AGGREGATE: ITEM SP 304 - RECYCLED AGGREGATE, AS PER PLAN.
THIS SHOULDER AGGREGATE BASE MATERIAL ALTERNATE CAN BE UTILIZED FOR EITHER THE BASE BID PAVEMENT SECTION OR THE PAVEMENT ALTERNATE SECTION. IF THIS SHOULDER AGGREGATE BASE ALTERNATE IS UTILIZED BY THE CONTRACTOR, ITEM SPECIAL - CRUSHED MATERIAL STOCKPILED ON SITE IS REQUIRED IN CONJUNCTION WITH THIS ITEM.

ITEM LEGEND

- | | | | | | |
|----|--------------|------------------------------------------------------------------------------------------------|-----|--------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | ITEM SP 404 | 1-1/2" ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 70-22 (FR) | 13 | ITEM SP 611 | CLASS C CONCRETE, APPROACH SLAB, USING TYPE I CEMENT (T=12") |
| 2 | ITEM SP 402 | 1-3/4" ASPHALT CONCRETE BASE COURSE OR RECYCLED ASPHALT CONCRETE BASE COURSE, PG 70-22 (FR) | 14 | ITEM 606 | GUARDRAIL, TYPE 5, USING STEEL POSTS |
| 3 | ITEM 452 | NON-REINFORCED CONCRETE PAVEMENT (T=12") (BASE BID ITEM) (SEE NOTE 4) | 15 | ITEM SPECIAL | SONIC NAP ALERT PATTERN (SNAP) |
| 3A | ITEM SP 302 | 11" BITUMINOUS AGGREGATE BASE, PG 64-22 (ALTERNATE BID ITEM) (SEE NOTE 5) | 16 | ITEM SPECIAL | ASPHALT PAVEMENT REINFORCEMENT |
| 4 | ITEM 407 | TACK COAT, TRACKLESS TACK, AS PER PLAN (APPLIED @ 0.06 GAL./S.Y.) | 17 | ITEM 254 | 3-1/4" PAVEMENT PLANING, ASPHALT CONCRETE |
| 5 | ITEM 407 | TACK COAT, TRACKLESS TACK, AS PER PLAN (APPLIED @ 0.075 GAL./S.Y.) | 18 | ITEM 609 | ASPHALT CONCRETE CURB, PG 64-22, STANDARD TYPE 1 |
| 6 | ITEM 252 | FULL DEPTH PAVEMENT SAWING | 19 | ITEM SP 304 | 9" AGGREGATE BASE (SHOULDER) (BASE BID ITEM) (SEE NOTE 4) |
| 7 | ITEM SP 304 | 6" AGGREGATE BASE | 19A | ITEM SP 304 | 9" RECYCLED AGGREGATE BASE, AS PER PLAN (SHOULDER) (ALTERNATE BID ITEM) AND ITEM SPECIAL - CRUSHED MATERIAL STOCKPILED ON SITE (SEE NOTE 6) |
| 8 | ITEM 605 | AGGREGATE DRAIN, AS PER PLAN | 20 | ITEM SP 404A | JOINT SEALER - (APPLIED TO VERTICAL FACE) |
| 9 | ITEM SPECIAL | ROLLER COMPACTED CONCRETE (SHOULDER T=9") (BASE BID ITEM) (SEE NOTE 4) | 21 | ITEM SPECIAL | SAW CUT JOINT (SEE NOTE 2) |
| 9A | ITEM SP 302 | BITUMINOUS AGGREGATE BASE COURSE, PG 64-22 (T=8") (SHOULDER) (ALTERNATE BID ITEM) (SEE NOTE 5) | 22 | ITEM SP 404 | 1-1/2" ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED SLAG, PG 64-22 |
| 10 | ITEM SP 605 | 6" SHALLOW PIPE UNDERDRAIN, WITH FILTER FABRIC WRAP | 23 | ITEM SP 402 | 1-3/4" ASPHALT CONCRETE BASE COURSE OR RECYCLED ASPHALT CONCRETE BASE COURSE, PG 64-22 |
| 11 | ITEM 659 | SEEDING AND MULCHING | 24 | ITEM 452 | NON-REINFORCED CONCRETE PAVEMENT (T=15") |
| 12 | ITEM SP 617 | COMPACTED AGGREGATE (T=3") (WITHOUT GUARDRAIL) | 25 | ITEM 622 | CONCRETE BARRIER, TYPE D, AS PER PLAN |
| | ITEM SP 627 | STONE SHOULDER PROTECTION (T=3") (WITH GUARDRAIL) | 26 | ITEM 254 | 1-1/2" PAVEMENT PLANING, ASPHALT CONCRETE |

EX. ITEM LEGEND

- | | | | |
|-----|--------------------------------------------|-----|--------------------------------------------|
| (A) | ASPHALT CONCRETE (T=5"±) | (G) | 10"± BITUMINOUS AGGREGATE BASE |
| (B) | 10"± REINFORCED CONCRETE PAVEMENT | (H) | 13"± NON-REINFORCED CONCRETE PAVEMENT |
| (C) | 6"± AGGREGATE BASE | (I) | 3"± ASPHALT CONCRETE |
| (D) | 6" UNDERDRAIN | (J) | 10"± ROLLER COMPACTED CONCRETE |
| (E) | REINFORCED CONCRETE APPROACH SLAB (T=10"±) | (K) | 9"± AGGREGATE BASE |
| (F) | 6"± SUBBASE, TYPE J | (L) | REINFORCED CONCRETE APPROACH SLAB (T=12"±) |
| | | (M) | 15"± REINFORCED CONCRETE PAVEMENT |

DESIGNED BY: W.D.B. CHECKED BY: W.D.B.
DATE: SEPT. 2011 DATE: SEPT. 2011
DRAWN BY: J.J.C. REVISED BY: J.J.C.
DATE: SEPT. 2011 DATE: SEPT. 2011
CAD FILE NAME: 11312/GY002.DWG

ADDENDUM NO. 2		PSL	2/21
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
TYPICAL SECTIONS			
CT Consultants <small>engineers architects planners</small>			
DESIGNED: W.D.B.	CHECKED: W.D.B.	DATE: SEPT. 2011	
DRAWN: J.J.C.	IN CHARGE: W.D.B.	SCALE: 1:4	
CONTRACT 39-12-02 SHEET 5 OF 128			

CONSTRUCTION SPECIFICATIONS

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION 2010 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.

QUEST COMMUNICATIONS
4650 LAKEHURST COURT
DUBLIN, OH 43016
ATTN: CHRISTOPHER STRAYER
OFFICE PH: (303) 886-1299
HOME PH: (303) 383-8606

BUCKEYE PIPELINE CO.
3321 YORK ST.
OREGON, OH 43616
(419) 698-8189

OHIO EDISON COMPANY
76 S. MAIN ST., 12TH FLOOR
AKRON, OH 44308
(216) 384-7987

AMERITECH
130 NORTH ERIE, ROOM 308
TOLEDO, OH 43697
(419) 245-5420

CITY OF CLEVELAND
DIVISION OF WATER
5953 DEERING AVENUE
PARMA HEIGHTS, OH 44130
BOB BOEHM
(216) 664-2342

COLUMBIA GAS OF OHIO
7080 FRY ROAD
MIDDLEBURG HEIGHTS, OH 44130
DAN SUREN
(440) 891-2428

CITY OF NORTH ROYALTON
SERVICE DEPARTMENT
11545 ROYALTON ROAD
NORTH ROYALTON, OH 44133
KRIS KAMPS
(440) 582-3002

TIME WARNER CABLE
3300 LAKESIDE AVENUE EAST
CLEVELAND, OH 44114
(877) 772-2253

VERIZON BUSINESS FACILITY
12300 RIDGE ROAD
NORTH ROYALTON, OH 44133
(440) 582-0970

CUYAHOGA COUNTY
SANITARY ENGINEER
6100 WEST CANAL ROAD
VALLEY VIEW, OH 44125
(216) 443-8208

AT&T
3833 WEYMOUTH ROAD
MEDINA, OH 44256
(330) 723-9110

CLEVELAND ELECTRIC
ILLUMINATING COMPANY
10 ERIE ROAD
EASTLAKE, OH 44095
(440) 953-7501

COX COMMUNICATIONS
12221 PLAZA DRIVE
CLEVELAND, OH 44130
(216) 535-3688

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.

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.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON NGVD29 DATUM.

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.

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 COMMISSION OFFICE LOCATED AT 682 PROSPECT STREET, BEREA, OHIO 44017, TELEPHONE (440) 234-2081.

PROJECT SURVEY

ELEVATIONS SHOWN ON PLAN AND PROFILE SHEETS ARE AT RIGHT EDGE OF THIRD LANE (DIRECTION OF TRAFFIC) AND DERIVED FROM EXISTING THIRD LANE DESIGN PLANS AND DATA COLLECTED IN THE FIELD. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EDGE OF EXISTING PAVEMENT AND INSURE DESIGN CROSS SLOPES AND SUPERELEVATIONS RATES ARE MET AS SHOWN ON THE PLANS. IN ADDITION, CONTRACTOR SHALL VERIFY ELEVATIONS AND CROSS SLOPES AS NECESSARY TO INSURE NO WATER PONDING WILL OCCUR BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT.

PROJECT BASELINE

THE CONTRACTOR SHALL ESTABLISH THE PROJECT BASELINE IN THE FIELD AND USE THIS BASELINE FOR CONSTRUCTION LAYOUT. THE LOCATION OF THIS BASELINE SHALL BE AT THE RIGHT EDGE OF THE THIRD LANE BASE PAVEMENT JOINT OF THE WESTBOUND LANES. THE CONTRACTOR SHALL USE POTHOLING AT EVERY 500 FEET ON TANGENTS AND EVERY 100 FEET ON CURVES, OR USE OTHER METHODS AS APPROVED BY THE CHIEF ENGINEER, TO FIND AND VERIFY THE LOCATION OF THIS JOINT.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE CHIEF ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE CHIEF ENGINEER IS ASSURED OF COMPLIANCE.

SLOPE DRAINS

THE FOLLOWING QUANTITIES, ARE INCLUDED AS CONTINGENCY, TO BE USED AS DIRECTED BY THE CHIEF ENGINEER TO REPLACE ANY DAMAGED, RUSTED, OR NON-FUNCTIONAL SLOPE DRAIN PIPES. REMOVE AND REPLACE HEADWALLS AND ROCK CHANNEL PROTECTIONS WHERE NEW SLOPE DRAIN PIPES ARE INSTALLED.

ITEM 603 - 12" CONDUIT, TYPE C 300 FT.
ITEM 603 - 15" CONDUIT, TYPE C 100 FT.
ITEM 603 - 18" CONDUIT, TYPE C 150 FT.
ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C, WITH FABRIC FILTER 10 CU. YD.
ITEM 602 - CONCRETE MASONRY 4 CU. YD.

ROUNDING

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

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE CHIEF ENGINEER FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

207, TEMPORARY SEEDING AND MULCHING 1377 SQ. YD.
659, COMMERCIAL FERTILIZER 0.3 TON
659, WATER 9 M. GAL.

ITEM 207 FILTER FABRIC FENCE

FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ITEM 207.02.

THE BOTTOM OF THE FENCE SHALL BE BURIED 6" BELOW THE GROUND. THE FENCE SHALL BE HIGH ENOUGH TO RETAIN SEDIMENT LADEN WATER AND ADEQUATELY SUPPORTED TO PREVENT COLLAPSE OR BURSTING. THE GROUND ELEVATION OF THE FENCE SHALL BE HELD CONSTANT EXCEPT THAT THE END ELEVATION SHALL BE RAISED TO PREVENT FLOW AROUND THE END OF THE FENCE.

THE FILTER FABRIC SHALL BE MAINTAINED TO BE FUNCTIONAL. THIS SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT AND REQUIRED CLEANING, REPAIR AND/OR REPLACEMENT OF THE FILTER FABRIC.

THE COST OF ALL MATERIALS, CONSTRUCTION, MAINTENANCE AND REMOVAL REQUIRED SHALL BE PAID FOR UNDER ITEM 207 LIN. FT. FILTER FABRIC FENCE.

ITEM 201 - CLEARING AND GRUBBING

ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING, EXCEPT THOSE OTHERWISE DESIGNATED BY THE CHIEF ENGINEER. LANDOWNERS SHALL BE ALLOWED TO SALVAGE THE WOOD FROM TREES BEING REMOVED ON THEIR PROPERTY. TREES DESIGNATED AS BEING SALVAGED FOR WOOD, SHALL BE CUT ABOVE THE BASE AND PLACED OUTSIDE OF THE RIGHT-OF-WAY.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE CHIEF ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE CHIEF ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEM.

ITEM 203 - EXCAVATION

THIS ITEM INCLUDES EXCAVATING THE EXISTING GRANULAR BASE UNDER THE CENTER AND RIGHT WESTBOUND LANES, APPROACH SLABS, FULL DEPTH EXCAVATION OF THE EXISTING WESTBOUND RIGHT SHOULDER AFTER MILLING ASPHALT OVERLAY AND TRENCH EXCAVATION FOR AGGREGATE DRAIN. EXISTING GRANULAR BASE THICKNESS VARIES WITH A MAXIMUM OF 6 INCHES THICK UNDER THE RIGHT AND CENTER LANES. THE EXCAVATION OF EXISTING SHOULDER, AFTER MILLING, INCLUDES APPROXIMATELY 6 TO 10 INCH OF MATERIAL INCLUDING, BUT NOT LIMITED TO, CHIP AND SEAL, GRANULAR BASE, AND EARTH. TOTAL THICKNESS FOR SHOULDER EXCAVATION IS APPROXIMATELY 16.25+/- INCHES. THESE THICKNESSES WERE DERIVED FROM THE EXISTING PLANS AND MAY VARY IN THE FIELD. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR EXCAVATION.

BASE BID:
MAINLINE GRANULAR BASE REMOVAL
SHOULDER EXCAVATION
APPROACH SLAB GRANULAR BASE REMOVAL
TRENCH FOR AGGREGATE DRAIN
ITEM 203 EXCAVATION

[(24,798 X 24' X (6.25/12))/27 = 11,481 CU. YD.
[24,798 X 11.42' X (16.25"/12)]/27 = 14,203 CU. YD.
[(175 X 40.17' X (6.25/12))/27 = 136 CU. YD.
(24,798 X 0.5' X 1.0')/27 = 459 CU. YD.
26,279 CU. YD.

ALTERNATE BID:
MAINLINE GRANULAR BASE REMOVAL
SHOULDER EXCAVATION
APPROACH SLAB GRANULAR BASE REMOVAL
TRENCH FOR AGGREGATE DRAIN
ITEM 203 EXCAVATION

[(24,798 X 24' X (5.25/12))/27 = 9,644 CU. YD.
[24,798 X 11.42' X (15.25"/12)]/27 = 13,329 CU. YD.
[(175 X 40.17' X (5.25/12))/27 = 114 CU. YD.
(24,798 X 0.5' X 1.0')/27 = 459 CU. YD.
23,546 CU. YD.

PIPE CONNECTIONS TO CORRUGATED METAL STRUCTURES

CONNECTIONS OF PROPOSED LONGITUDINAL DRAINAGE TO CORRUGATED METAL STRUCTURES SHALL BE MADE BY MEANS OF A SHOP FABRICATED OR FIELD WELDED STUB ON THE STRUCTURE. THE STUB SHALL MEET THE REQUIREMENTS OF 707 AND HAVE A MINIMUM LENGTH OF TWO FEET AND A MINIMUM WALL THICKNESS OF 0.064 INCHES.

THE LOCATION AND ELEVATION OF THE STUB ARE TO BE CONSIDERED APPROXIMATE AND MAY BE ADJUSTED BY THE CHIEF ENGINEER TO AVOID CUTTING THROUGH JOINTS IN THE STRUCTURE.

THE FIELD WELDED JOINT, IF USED, SHALL BE THOROUGHLY CLEANED AND REGALVANIZED OR OTHERWISE SUITABLE REPAIRED. WELDING SHALL MEET THE REQUIREMENTS OF 513.21.

A MASONRY COLLAR, AS PER STANDARD DRAWING, DM-1.1, WILL BE REQUIRED TO CONNECT THE LONGITUDINAL DRAINAGE TO THE STUB, WHEN PIPE OTHER THAN CORRUGATED METAL IS PROVIDED FOR THE LONGITUDINAL DRAINAGE.

PAYMENT FOR CUTTING INTO THE STRUCTURE AND PROVIDING THE CONNECTION DESCRIBED, SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 603.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OTC, REPRESENTATIVES OF THE OTC AND THE CONTRACTOR, SHALL MAKE AN AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE OTC REPRESENTATIVE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OHIO TURNPIKE COMMISSION.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CHIEF ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

ITEM 622 CONCRETE BARRIER, TYPE D, AS PER PLAN

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE EXISTING GUARDRAIL, EXCAVATE FOR AND INSTALL THE BARRIER, CURE THE BARRIER FOR 3 DAYS, PRIOR TO SEALING OF CONCRETE SURFACES, AND RECONNECT THE EXISTING OR REBUILT GUARDRAIL. THE REMOVAL OF GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE CHIEF ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED ON THIS PROJECT UNTIL SUCH TIME THE CHIEF ENGINEER IS ASSURED OF SAID COMPLIANCE. BARRIER WALL SHALL HAVE JERSEY STYLE FACE AND COMPLY WITH STANDARD DRAWINGS CBR-5 & CBR-6.

EXISTING UNDERDRAINS

ALL EXISTING UNDERDRAINS ENCOUNTERED IN THE THIRD LANE AND AT THE PAVEMENT SAW CUT LOCATION SHALL NOT BE DISTURBED.

GUARDRAIL BEHIND CURBS

WHERE A CURB IS PROVIDED AT THE OUTER EDGE OF THE PAVED SHOULDER, ANY NECESSARY GUARDRAIL SHALL BE POSITIONED SO THAT THE FACE OF THE GUARDRAIL IS LOCATED FLUSH WITH THE FACE OF CURB AND THE TOP OF THE RAIL SHALL BE 27" ABOVE THE GUTTER LINE.

GUARDRAIL INSTALLATION ADJACENT TO ROLLER COMPACTED CONCRETE (RCC) SHOULDER

IF RCC IS CHOSEN AS THE SHOULDER BASE MATERIAL, THE CONTRACTOR SHALL DRILL HOLES, OR USE OTHER METHODS APPROVED BY THE CHIEF ENGINEER, TO INSTALL GUARDRAIL POSTS ADJACENT TO THE RCC SHOULDER. PAYMENT FOR ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR SPECIAL METHODS TO INSTALL GUARDRAIL POSTS ADJACENT TO RCC SHALL BE INCLUDED IN THE PRICE FOR ITEM 606 - GUARDRAIL, TYPE 5, USING STEEL POSTS.

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ADDENDUM NO. 2		NLC	2/21
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE WESTBOUND RIGHT TWO LANES & SHOULDER RECONSTRUCTION GENERAL NOTES			
RESOURCE INTERNATIONAL, INC. 6350 PRESIDENTIAL GATEWAY COLUMBUS, OH 43231			
DESIGNED: X	CHECKED: SSK	DATE: 01/20/2012	
DRAWN: NLC	IN CHARGE: SSK	SCALE: N/A	
CONTRACT 39-12-02		SHEET 8 OF 128	

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CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. PROVISIONS OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES AND THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS SHALL, IN ALL CASES, BE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING

CONTRACTION JOINTS SHALL BE CONSTRUCTED AS PER STANDARD CONSTRUCTION DRAWING BP-2.2, EXCEPT THAT THE SPACING SHALL BE 14 FOOT MAXIMUM.

ADDITIONAL SOIL INFORMATION

THE SOIL BORING LOGS ARE SHOWN ON SHEETS 32 THROUGH 54 AND CONTAIN ALL AVAILABLE SOIL AND BEDROCK INFORMATION WHICH CAN BE CONVENIENTLY SHOWN. ADDITIONAL INFORMATION MAY ALSO BE AVAILABLE FROM THE FOLLOWING:

- 1) SUBSURFACE INVESTIGATION REPORT(S) PREPARED FOR THE PROJECT.
- 2) ADDITIONAL SUBSURFACE INVESTIGATIONS MADE TO STUDY SOME ASPECT OF THE PROJECT.
- 3) SOIL PROFILE AND/OR STRUCTURE FOUNDATION INVESTIGATION SHEETS FROM THE CONSTRUCTION PLANS FOR THE EXISTING FACILITY AND/OR STRUCTURE(S).

ADDITIONAL INFORMATION, IF ANY, MAY BE EXAMINED BY PROSPECTIVE BIDDERS AT THE OHIO TURNPIKE OFFICE, 682 PROSPECT STREET, BEREA, OHIO 44017.

ITEM SP604 - CATCH BASIN, TYPE CB-1

EXISTING TOP OF GRATE ELEVATIONS AND INVERT ELEVATIONS FOR ALL STORM STRUCTURES SHALL BE FIELD MEASURED AND RECORDED BY THE CONTRACTOR PRIOR TO REMOVAL OF THE STRUCTURES. PROPOSED CATCH BASINS SHALL BE INSTALLED AT THE SAME TOP OF GRATE AND INVERT ELEVATIONS AS EXISTING. PROPOSED DRAINAGE PIPES SHALL BE CONNECTED TO EXISTING PIPES USING MASONRY COLLAR AS PER STANDARD DRAWING DM-1.1. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED WITH ITEM SP604 - CATCH BASIN, TYPE CB-1.

COATED DOWEL BARS

DOWEL BARS REQUIRED ON STANDARD DRAWING BP-2.2 SHALL BE COATED IN ACCORDANCE WITH 709.13.

ITEM 622 - CONCRETE BARRIER, TYPE B-50, AS PER PLAN

THIS ITEM SHALL BE IN ACCORDANCE WITH OTC STANDARD DRAWING CBR-3 AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIAL AND INCIDENTALS TO COMPLETE THIS ITEM.

ITEM 603 - 8" CONDUIT, TYPE F, AS PER PLAN

THIS ITEM SHALL INCLUDE THE REMOVAL OF EXISTING MEDIAN SHOULDER PAVEMENT AND THE REPLACEMENT OF THIS SHOULDER PAVEMENT IN ORDER TO INSTALL THIS PROPOSED CONDUIT.

ITEM 839 - 12" TRENCH DRAIN WITH STANDARD GRATE, AS PER PLAN

THIS ITEM SHALL INCLUDE THE REMOVAL OF EXISTING MEDIAN SHOULDER PAVEMENT AND THE REPLACEMENT OF THIS SHOULDER PAVEMENT IN ORDER TO INSTALL THIS PROPOSED TRENCH DRAIN.

ITEM 202 - GUARDRAIL REMOVED FOR SALVAGE, AS PER PLAN

THIS ITEM SHALL INCLUDE REMOVAL AND SALVAGE OF THE FOLLOWING MATERIALS AT EACH LOCATION IDENTIFIED IN THE PLANS: EXISTING TYPE E (ET-2000 PLUS) ANCHOR ASSEMBLY EXTRUDER HEAD, CABLE ANCHOR, ANGLE STRUT, CABLE ASSEMBLY, BEARING PLATE, TWO TUBE SLEEVES, AND THE FIRST TWO 12.5' GUARDRAIL PANELS. CONTRACTOR SHALL USE CARE IN THE REMOVAL PROCESS TO MINIMIZE DAMAGE TO THE MATERIALS.

ITEM SP304 - 9" RECYCLED AGGREGATE BASE, AS PER PLAN (SHOULDER)

THE CONTRACTOR SHALL CRUSH THE EXISTING CONCRETE BASE PAVEMENT FOR USE AS ITEM SP304 - 9" RECYCLED AGGREGATE BASE, AS PER PLAN (SHOULDER). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRANSPORTATION, CRUSHING OPERATIONS, TESTING, PERMITTING AND ASSOCIATED WORK IN ORDER TO PREPARE AND CREATE THIS MATERIAL. IT IS THE INTENT OF THIS ITEM TO PROCESS ALL EXISTING CONCRETE BASE PAVEMENT INTO ITEM SP304. THIS MAY RESULT IN EXCESS MATERIAL AFTER ALL THE REQUIRED MATERIAL HAS BEEN PLACED IN THE SHOULDER LIMITS. ANY AND ALL EXCESS MATERIAL SHALL BE THE PROPERTY OF THE COMMISSION AND SHALL BE STOCKPILED AT A LOCATION WITHIN THE LIMITS OF THE PROJECT AS DIRECTED BY THE CHIEF ENGINEER. EACH STOCKPILE OF RECYCLED PORTLAND CEMENT CONCRETE (RPCC) MUST MEET THE REQUIREMENTS OF ODOT ITEM 304, AND OTC ITEM SP304, WITH THE EXCEPTION OF THE SODIUM SULFATE SOUNDNESS TESTING, WHICH WILL BE REPLACED WITH MAGNESIUM SULFATE SOUNDNESS TESTING. THE SOUNDNESS LOSS MUST BE LESS THAN 15% WHEN TESTED USING MAGNESIUM SULFATE PER AASHTO T104. AN ESTIMATED RESIDUAL QUANTITY OF 10,000 CU. YD. FOR ITEM SPECIAL - CRUSHED MATERIAL STOCKPILE HAS BEEN ADDED TO THE GENERAL SUMMARY FOR THE ALTERNATE BID ITEM.

ITEM 605 - AGGREGATE DRAIN, AS PER PLAN

THE ENTIRE OUTSIDE PERIMETER OF THE AGGREGATE DRAIN SHALL BE WRAPPED WITH FILTER FABRIC, TYPE A, AS PER ODOT SPECIFICATION 712.09. DURING THE EXCAVATION OF THE TRENCH FOR AGGREGATE DRAIN, SPECIAL CARE IS NEEDED TO PREVENT DAMAGE TO THE ADJACENT EXISTING UNDERDRAIN FILTER FABRIC WRAP. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 605 - AGGREGATE DRAIN, AS PER PLAN.

ITEM 642 - PERMANENT PAVEMENT MARKINGS

PERMANENT PAVEMENT MARKING LOCATIONS SHALL BE DETERMINED BY REFERENCING THE BASE PAVEMENT JOINTS, AS SHOWN ON OTC STANDARD DRAWING RPM-1.

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, CONCRETE SHALL BE CLASS FS, 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. UNIT PRICES BID FOR THE ITEMS IMMEDIATELY BELOW SHALL NOT INCLUDE MAINTENANCE OF TRAFFIC COSTS.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR 1500 SQ. YD.
 ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT 1500 SQ. YD.
 ITEM 255 - FULL DEPTH PAVEMENT SAWING 300 FT.

ITEM SPECIAL - ASPHALT PAVEMENT REINFORCEMENT

THIS ITEM SHALL INCLUDE FURNISHING AND PLACING AN ASPHALT PAVEMENT REINFORCEMENT GRID AT THE LOCATIONS AS SHOWN ON THE PLANS. THE ASPHALT PAVEMENT REINFORCEMENT GRID SHALL BE "GLASGRID - CG200" AS MANUFACTURED BY SAINT-GOBAIN TECHNICAL FABRICS OR APPROVED EQUAL. THE ASPHALT PAVEMENT REINFORCEMENT GRID SHALL BE INSTALLED AS PER THE RECOMMENDATIONS OF THE MANUFACTURER. THE UNIT PRICE BID PER SQUARE YARD FOR ITEM SPECIAL - ASPHALT PAVEMENT REINFORCEMENT SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND OTHER INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK.

ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT (T=12")

WHEN THIS ITEM IS TO BE OVERLAID WITH ASPHALT, COMPOUNDS FOR CURING CONCRETE AS DESCRIBED IN 705.07 SHALL NOT BE USED EXCEPT THAT CURING COMPOUNDS SHALL MEET THE REQUIREMENTS OF ASTM C309 AND SHALL BE COMPATIBLE WITH ITEM SPECIAL TRACKLESS TACK COAT. CURING SHALL BE IN ACCORDANCE WITH ALTERNATE METHODS SPECIFIED IN ODOT SPECIFICATION 451.10 AND SUPPLEMENTED WITH SPECIFICATION 305.02. CONTRACTOR MAY USE OTHER WATER BASED CURING COMPOUNDS AS AN ALTERNATIVE METHOD WHICH RESULT IN A SURFACE THAT PREVENTS DE BONDING BETWEEN CONCRETE BASE AND ASPHALT OVERLAY. THE SPECIFICATIONS FOR ALTERNATIVE CURING COMPOUNDS SHALL BE SUBMITTED TO THE CHIEF ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY APPLICATION OR PURCHASE.

ITEM SPECIAL - SAW CUT JOINT

THIS ITEM SHALL CONSIST OF SAW CUTTING WITH A DIAMOND BLADE AT JOINTS WHERE EXISTING ASPHALT AND PROPOSED ASPHALT MEET. THE LOCATION AND DEPTH SHALL BE AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE CHIEF ENGINEER. PAYMENT FOR THIS ITEM WILL BE AT UNIT BID PRICE PER LINEAR FOOT FOR ITEM SPECIAL - SAW CUT JOINT AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THIS ITEM. THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY:

ITEM SPECIAL - SAW CUT JOINT 25,000 FT.

ALL MAINTENANCE OF TRAFFIC NECESSARY TO COMPLETE THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO ITEM SP 614 - MAINTAINING TRAFFIC.

ITEM SPECIAL - ROLLER COMPACTED CONCRETE (T=9")

THIS ITEM SHALL COMPLY WITH OTC SPECIFICATION FOR ROLLER COMPACTED CONCRETE AND SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK. SAW CUT JOINTS SHALL BE INSTALLED TO MATCH ADJACENT JOINTS IN ITEM 452.

ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN

THIS WORK SHALL COMPLY WITH ALL REQUIREMENTS SPECIFIED IN ITEM 206 - CHEMICALLY STABILIZED SUBGRADE OF ODOT 2010 CMS EXCEPT AS NOTED BELOW:

ITEM 206.02 MATERIALS: CURING COAT SUBMITTAL NOT REQUIRED

ITEM 206.03 SUBMITTALS: MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS IS NOT REQUIRED BY THE CONTRACTOR.

ITEM 206.05 CONSTRUCTION:

A. SPREADING - USE AN APPLICATION RATE OF 6% PORTLAND CEMENT BY DRY UNIT WEIGHT. THE APPLICATION RATE WILL VARY DEPENDING ON THE IN-SITU DRY UNIT WEIGHT OF THE SOIL. QUANTITY OF PORTLAND CEMENT IS BASED ON A IN-SITU DRY UNIT WEIGHT OF 110 LBS/FT³.

D. CURING - THE TREATED AREA SHOULD BE SHAPED TO THE REQUIRED LINES, GRADES AND CROSS SECTIONS AND FINAL COMPACTION, BY WAY OF SMOOTH DRUM ROLLER WEIGHING AT LEAST 10 TONS, SHOULD CONTINUE UNTIL UNIFORM AND ADEQUATE COMPACTION IS OBTAINED. THE CONTRACTOR SHALL MAINTAIN THE SURFACE OF THE CEMENT STABILIZED SOIL SUBGRADE IN A MOIST CONDITION DURING THE CURING PERIOD. FINISHED PORTIONS OF THE STABILIZED SUBGRADE THAT ARE TRAVELED ON BY EQUIPMENT USED IN CONSTRUCTING AN ADJOINING SECTION SHALL BE PROTECTED IN SUCH A MANNER AS TO PREVENT EQUIPMENT FROM MARRING OR DAMAGING COMPLETED WORK. DURING THE CURING PERIOD, NO TRAFFIC SHALL BE PERMITTED ON THE COMPLETED WORK BEYOND THAT REQUIRED FOR MAINTAINING MOIST CONDITIONS. THE LENGTH OF THE CURING PERIOD WILL DEPEND ON THE ACCEPTANCE OF THE CEMENT STABILIZED SOIL SUBGRADE. THE ACCEPTANCE OF THE CEMENT STABILIZED SOIL SUBGRADE WILL BE EVALUATED AFTER 72 HOURS OF CURING. DEPENDING ON THE ACCEPTANCE OF THE CEMENT STABILIZED SOIL SUBGRADE, ADDITIONAL CURING MAY BE REQUIRED. SUFFICIENT PROTECTION FROM FREEZING SHALL BE GIVEN THE CHEMICALLY STABILIZED MATERIAL FOR 7 DAYS AFTER ITS CONSTRUCTION OR AS APPROVED BY THE CHIEF ENGINEER.

E. PROOF ROLLING - ACCEPTANCE TESTING OF THE CEMENT STABILIZED SOIL SUBGRADE WILL BE PERFORMED AFTER 72 HOURS OF CURING. AN AUTOMATIC DYNAMIC CONE PENETROMETER (ADCP) WILL BE USED AS THE INITIAL ACCEPTANCE TEST FOR THE CEMENT STABILIZED SOIL SUBGRADE. THE ADCP WILL MEASURE THE PENETRATION RATE (PR) IN MM/BLOW FOR THE CEMENT STABILIZED SOIL SUBGRADE THROUGH THE TREATMENT DEPTH. THE MAXIMUM PENETRATION RATE THROUGHOUT THE CEMENT STABILIZED SOIL SUBGRADE MUST AVERAGE 8.0 MM/BLOW TESTS WILL BE PERFORMED EVERY 200 LINEAR FEET OF ROADWAY. IF THE AVERAGE PR OF THE CEMENT STABILIZED SOIL SUBGRADE IS BELOW 8.0 MM/BLOW, THEN THE CONTRACTOR CAN PROCEED WITH CONSTRUCTION OF THE PAVEMENT STRUCTURE.

IF THE AVERAGE PR OF THE CEMENT STABILIZED SOIL SUBGRADE IS ABOVE 8.0 MM/BLOW, THEN THE CEMENT STABILIZED SOIL SUBGRADE MUST CONTINUE TO CURE FOR TWO ADDITIONAL DAYS AND THEN BE PROOF ROLLED IN ACCORDANCE WITH ODOT ITEM 204.

LOCATION	BEGIN STATION	END STATION	STABILIZATION DEPTH (INCHES)	LENGTH	WIDTH	TREATMENT AREA	TREATMENT AREA	PORTLAND CEMENT APPLICATION RATE	TOTAL WEIGHT OF PORTLAND CEMENT	TOTAL WEIGHT OF PORTLAND CEMENT
				FT.	FT.	S.F.	S.Y.	LBS./S.Y.	LBS.	TONS
MAINLINE	603+50	636+33	12	3,283	26	85,358	9,484	65	616,474	308
	643+70	679+10	12	3,540	26	92,040	10,227	65	664,733	332
	682+13	733+00	12	5,087	26	132,262	14,696	65	955,226	478
	733+00	802+20	14	6,920	26	179,920	19,991	76	1,519,324	760
	805+76	863+90	14	5,814	26	151,164	16,796	76	1,276,496	638
SHOULDER	603+50	636+33	12	3,283	9.42	30,926	3,436	44	151,193	76
	643+70	679+10	12	3,540	9.42	33,347	3,705	44	163,029	82
	682+13	733+00	12	5,087	9.42	47,920	5,324	44	234,273	117
	733+00	802+20	12	6,920	9.42	65,186	7,243	44	318,689	159
	805+76	863+90	12	5,814	9.42	54,768	6,085	44	267,754	134
TOTALS								96,987		3,084

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK UNDER ITEM 206 - CHEMICALLY STABILIZED SUBGRADE, AS PER PLAN:

ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP, AS PER PLAN 60,200 SQ. YD.
 ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP, AS PER PLAN 36,787 SQ. YD.
 ITEM 206 - CEMENT 3,084 TON
 ITEM 206 - WATER FOR CURING 1.3 M GAL.
 ITEM 206 - TEST ROLLING 33 HOURS

SEEDING & MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - SOIL ANALYSIS TEST 2 EACH
 ITEM 659 - TOPSOIL 3,058 CU. YD.
 ITEM 659 - SEEDING AND MULCHING 27,547 SQ. YD.
 ITEM 659 - REPAIR SEEDING AND MULCHING 1,377 SQ. YD.
 ITEM 659 - INTER-SEEDING 1,377 SQ. YD.
 ITEM 659 - COMMERCIAL FERTILIZER 3.7 TON
 ITEM 659 - LIME 5.7 ACRES
 ITEM 659 - WATER 149 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON AN ASSUMED LIMIT 10' BEYOND THE SHOULDER.

ITEM SPECIAL - PRESSURE RELIEF JOINT, TYPE A

THIS ITEM OF WORK SHALL CONSIST OF INSTALLING PRESSURE RELIEF JOINT, TYPE A, AT EACH APPROACH TO EACH MAINLINE BRIDGE ACROSS THE NEW PAVEMENT AND OUTSIDE SHOULDER IN ACCORDANCE WITH THE DETAIL SHOWN ON OHIO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING BP-2.3 (07-16-04).

PRESSURE RELIEF JOINT LOCATIONS WILL BE FIELD LOCATED BY THE CHIEF ENGINEER. APPROXIMATE LOCATIONS FOR WESTBOUND LANES ARE AS FOLLOWS: STA. 636+33, STA. 640+21, STA. 641+12, STA. 643+70, STA. 679+10, STA. 682+13 STA. 802+20, STA. 805+76.

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY:

ITEM SPECIAL - PRESSURE RELIEF JOINT, TYPE A 500 FT.
 ITEM SP605 - 6" SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP 500 FT.
 ITEM 603 - 6" CONDUIT TYPE F, NON-PERFORATED ASTM D3034 (SDR 35) 707.42 OR 707.33 100 FT.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A 'W-BEAM RAIL SPLICE' AS SHOWN ON STANDARD CONSTRUCTION DRAWING GR-1.1. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

ITEM SP626 - RAISED PAVEMENT MARKER

THIS ITEM SHALL BE INSTALLED IN ACCORDANCE WITH SP626 WITH THE FOLLOWING CHANGES IN SPACING: 120' FOR ALL TANGENT SECTIONS AND 80' FOR ALL CURVES.

ITEM SPECIAL - PRECAST REINFORCED CONCRETE OUTLET

THIS ITEM SHALL BE IN ACCORDANCE WITH OTC STANDARD DRAWING UD-1 AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO COMPLETE THIS ITEM.

NO.	REVISIONS	BY	DATE
Δ	ADDENDUM NO. 2	NLC	2/21
Δ	ADDENDUM NO. 1	NLC	2/12

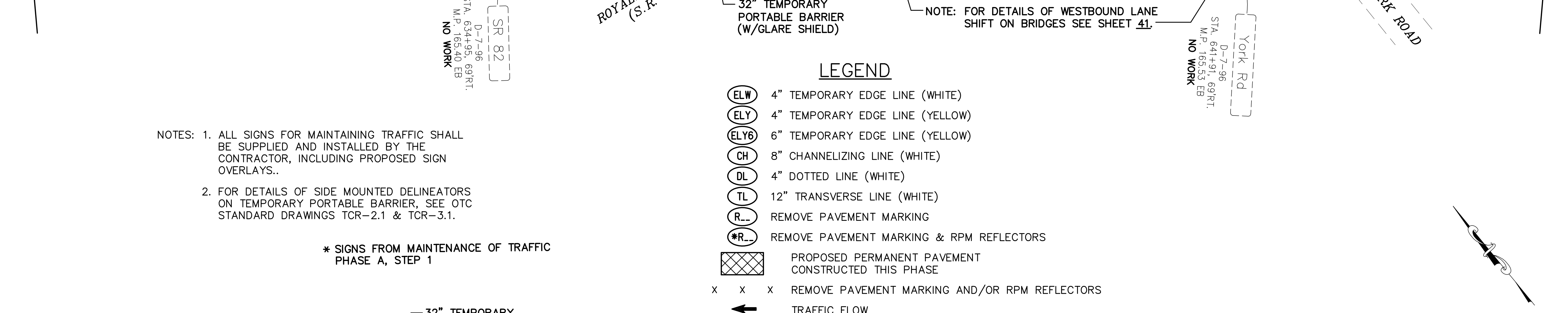
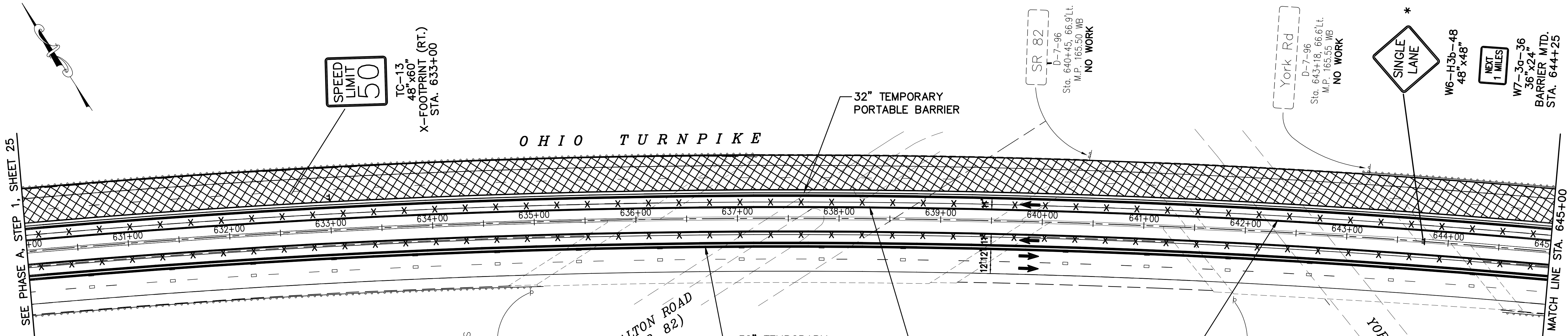
OHIO TURNPIKE COMMISSION

OHIO TURNPIKE WESTBOUND RIGHT TWO LANES & SHOULDER RECONSTRUCTION GENERAL NOTES

RESOURCE INTERNATIONAL, INC.
 6350 PRESIDENTIAL GATEWAY
 COLUMBUS, OH 43231

DESIGNED: X CHECKED: SSK DATE: 01/20/2012
 DRAWN: NLC IN CHARGE: SSK SCALE: N/A

CONTRACT 39-12-02 SHEET 9 OF 128



NOTES: 1. ALL SIGNS FOR MAINTAINING TRAFFIC SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, INCLUDING PROPOSED SIGN OVERLAYS..

2. FOR DETAILS OF SIDE MOUNTED DELINEATORS ON TEMPORARY PORTABLE BARRIER, SEE OTC STANDARD DRAWINGS TCR-2.1 & TCR-3.1.

* SIGNS FROM MAINTENANCE OF TRAFFIC PHASE A, STEP 1

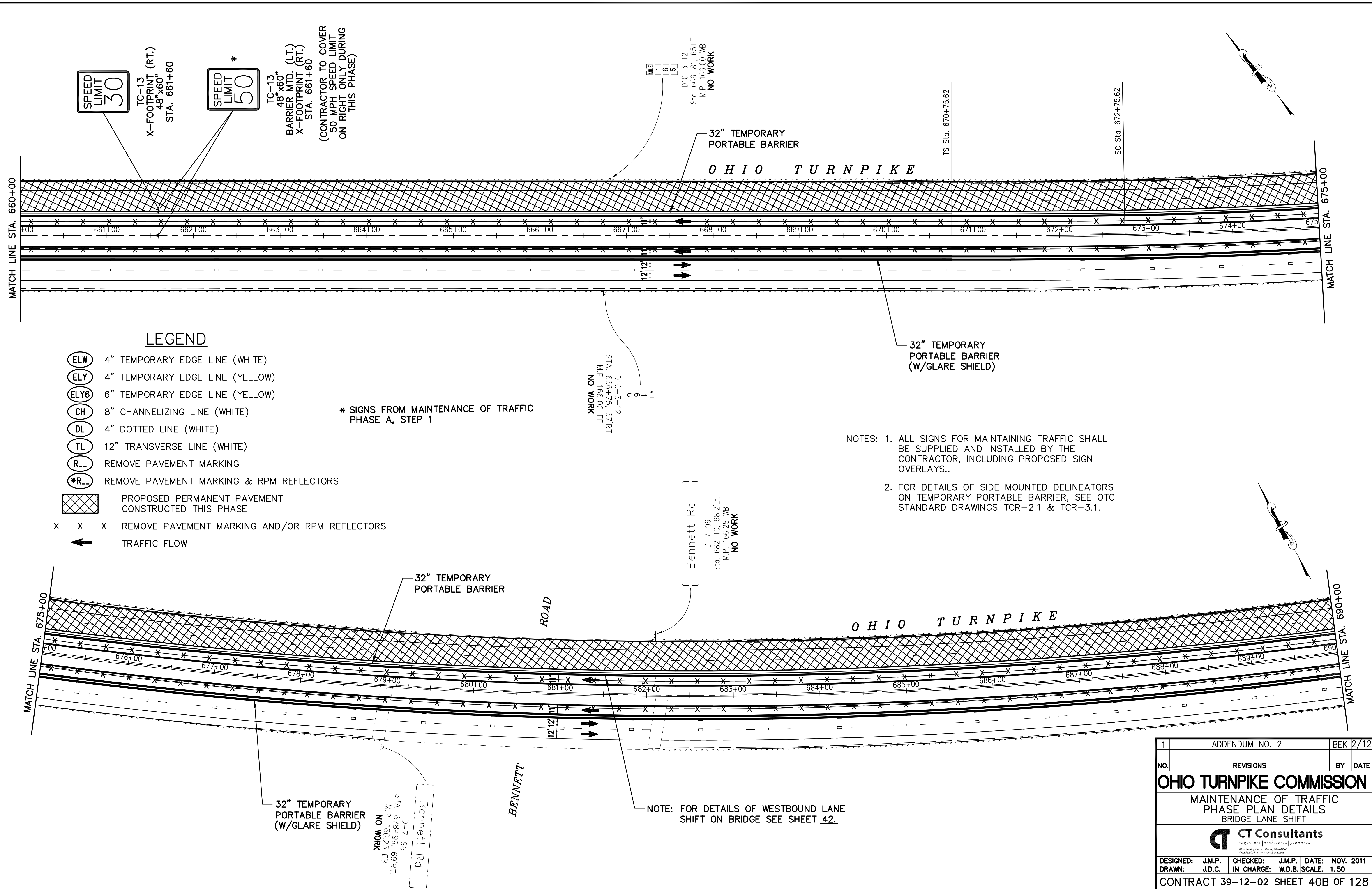
LEGEND

- (ELW) 4" TEMPORARY EDGE LINE (WHITE)
- (ELY) 4" TEMPORARY EDGE LINE (YELLOW)
- (ELY6) 6" TEMPORARY EDGE LINE (YELLOW)
- (CH) 8" CHANNELIZING LINE (WHITE)
- (DL) 4" DOTTED LINE (WHITE)
- (TL) 12" TRANSVERSE LINE (WHITE)
- (R_) REMOVE PAVEMENT MARKING
- (*R_) REMOVE PAVEMENT MARKING & RPM REFLECTORS
- [Hatched Box] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- x x x REMOVE PAVEMENT MARKING AND/OR RPM REFLECTORS
- ← TRAFFIC FLOW

DESIGNED BY: WDB	CHECKED BY:
DATE: NOV. 2011	DATE:
DRAWN BY: PSL	REVISED BY:
DATE: NOV. 2011	DATE:
CAD FILE NAME: 11312/MOT001.DWG	

1	ADDENDUM NO. 2	BEK 2/12
NO.	REVISIONS	DATE
OHIO TURNPIKE COMMISSION		
MAINTENANCE OF TRAFFIC PHASE PLAN DETAILS BRIDGE LANE SHIFT		
CT Consultants <small>engineers architects planners</small>		
DESIGNED: J.M.P.	CHECKED: J.M.P.	DATE: NOV. 2011
DRAWN: J.D.C.	IN CHARGE: W.D.B.	SCALE: 1:50
CONTRACT 39-12-02 SHEET 40A OF 128		

DESIGNED BY: WDB
 DATE: NOV. 2011
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 DATE: NOV. 2011
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 DATE: NOV. 2011
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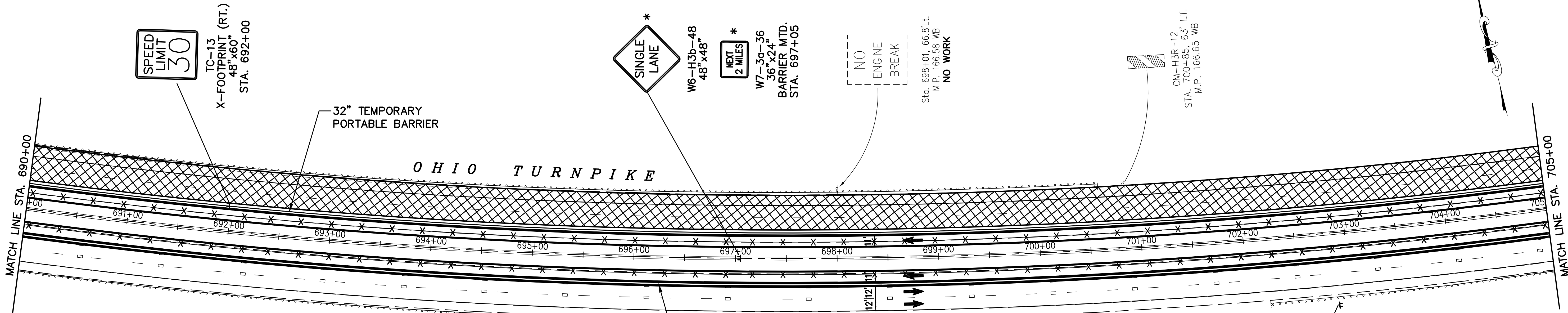
LEGEND

- (ELW) 4" TEMPORARY EDGE LINE (WHITE)
- (ELY) 4" TEMPORARY EDGE LINE (YELLOW)
- (ELY6) 6" TEMPORARY EDGE LINE (YELLOW)
- (CH) 8" CHANNELIZING LINE (WHITE)
- (DL) 4" DOTTED LINE (WHITE)
- (TL) 12" TRANSVERSE LINE (WHITE)
- (R..) REMOVE PAVEMENT MARKING
- (*R..) REMOVE PAVEMENT MARKING & RPM REFLECTORS
- [X-X-X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- x x x REMOVE PAVEMENT MARKING AND/OR RPM REFLECTORS
- ← TRAFFIC FLOW

* SIGNS FROM MAINTENANCE OF TRAFFIC PHASE A, STEP 1

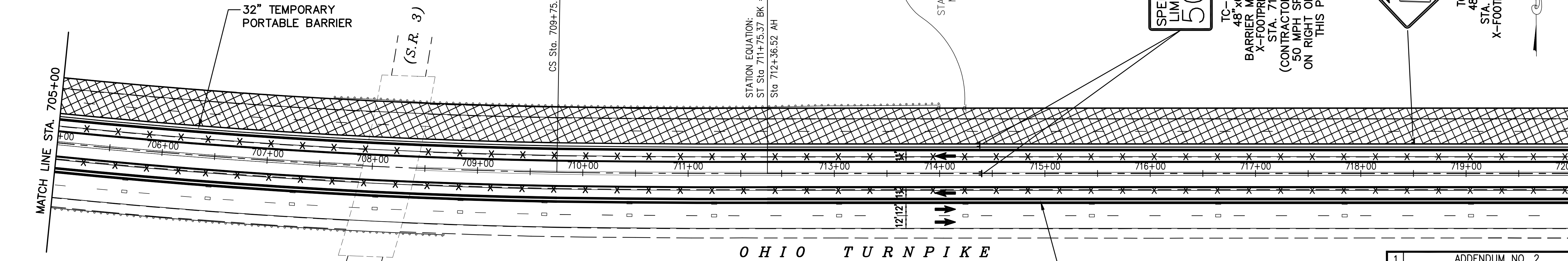
- NOTES: 1. ALL SIGNS FOR MAINTAINING TRAFFIC SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, INCLUDING PROPOSED SIGN OVERLAYS..
2. FOR DETAILS OF SIDE MOUNTED DELINEATORS ON TEMPORARY PORTABLE BARRIER, SEE OTC STANDARD DRAWINGS TCR-2.1 & TCR-3.1.

1	ADDENDUM NO. 2	BEK 2/12
NO.	REVISIONS	BY DATE
OHIO TURNPIKE COMMISSION		
MAINTENANCE OF TRAFFIC PHASE PLAN DETAILS BRIDGE LANE SHIFT		
CT Consultants <small>engineers architects planners</small>		
DESIGNED:	J.M.P.	CHECKED: J.M.P. DATE: NOV. 2011
DRAWN:	J.D.C.	IN CHARGE: W.D.B. SCALE: 1:50
CONTRACT 39-12-02 SHEET 40B OF 128		



LEGEND

- 4" TEMPORARY EDGE LINE (WHITE)
- 4" TEMPORARY EDGE LINE (YELLOW)
- 6" TEMPORARY EDGE LINE (YELLOW)
- 8" CHANNELIZING LINE (WHITE)
- 4" DOTTED LINE (WHITE)
- 12" TRANSVERSE LINE (WHITE)
- REMOVE PAVEMENT MARKING
- REMOVE PAVEMENT MARKING & RPM REFLECTORS
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- REMOVE PAVEMENT MARKING AND/OR RPM REFLECTORS
- TRAFFIC FLOW



NOTES: 1. ALL SIGNS FOR MAINTAINING TRAFFIC SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, INCLUDING PROPOSED SIGN OVERLAYS..

2. FOR DETAILS OF SIDE MOUNTED DELINEATORS ON TEMPORARY PORTABLE BARRIER, SEE OTC STANDARD DRAWINGS TCR-2.1 & TCR-3.1.

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DATE: NOV. 2011	DATE:
CAD FILE NAME: 1131Z/MOT001.DWG	

1	ADDENDUM NO. 2	BEK	2/12
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
MAINTENANCE OF TRAFFIC PHASE PLAN DETAILS BRIDGE LANE SHIFT			
CT Consultants <small>engineers architects planners</small>			
DESIGNED:	J.M.P.	CHECKED:	J.M.P.
DRAWN:	J.D.C.	IN CHARGE:	W.D.B.
DATE:	NOV. 2011	DATE:	NOV. 2011
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CONTRACT 39-12-02 SHEET 40C OF 128			

SEE PHASE A, STEP 1, SHEET 29

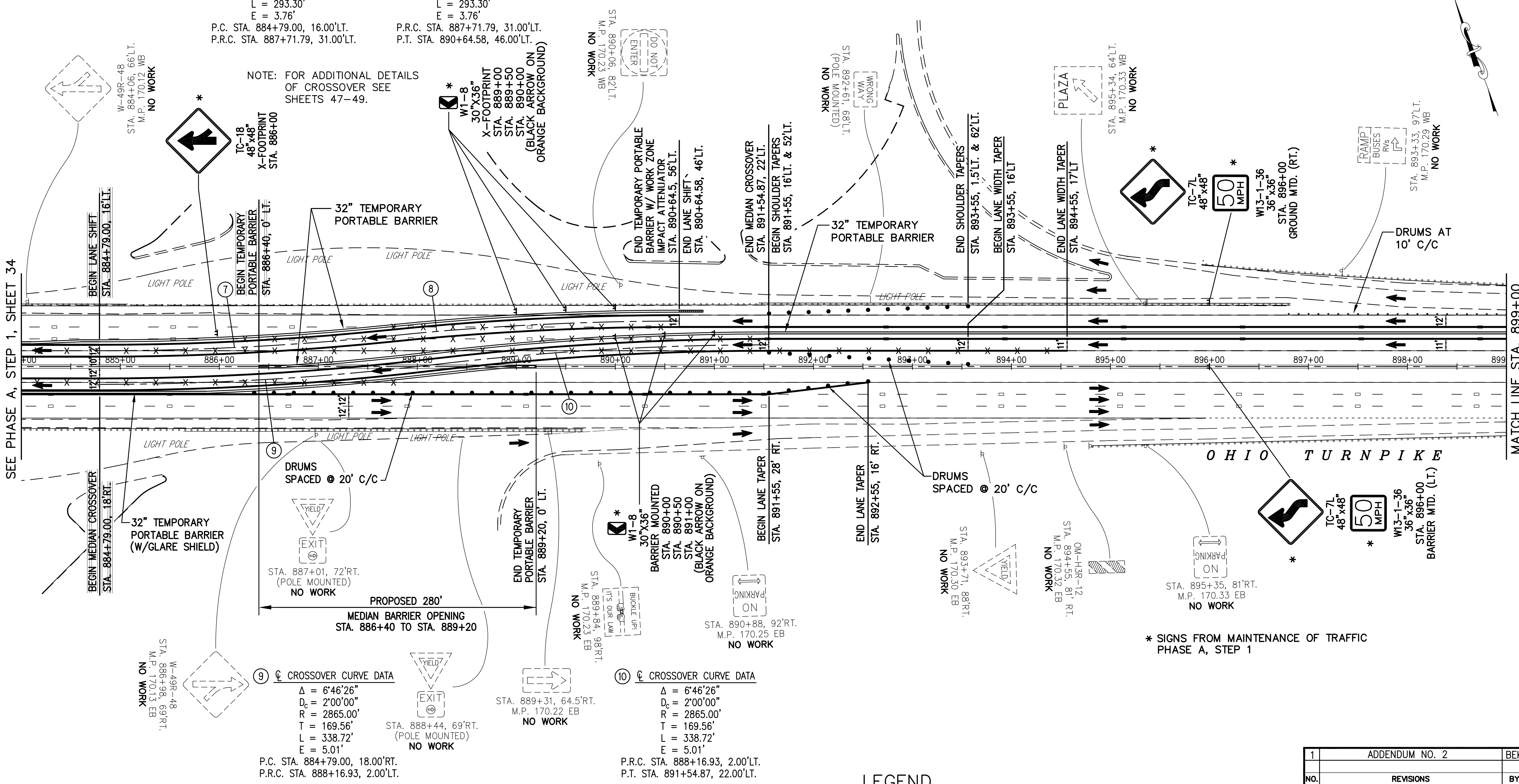
SEE PHASE A, STEP 1, SHEET 34

MATCH LINE STA. 899+00

7 ϕ LANE SHIFT CURVE DATA
 $\Delta = 5'51'56''$
 $D_c = 2'00'00''$
 $R = 2865.00'$
 $T = 146.78'$
 $L = 293.30'$
 $E = 3.76'$
P.C. STA. 884+79.00, 16.00'LT.
P.R.C. STA. 887+71.79, 31.00'LT.

8 ϕ LANE SHIFT CURVE DATA
 $\Delta = 5'51'56''$
 $D_c = 2'00'00''$
 $R = 2865.00'$
 $T = 146.78'$
 $L = 293.30'$
 $E = 3.76'$
P.R.C. STA. 887+71.79, 31.00'LT.
P.T. STA. 890+64.58, 46.00'LT.

NOTE: FOR ADDITIONAL DETAILS OF CROSSOVER SEE SHEETS 47-49.



* SIGNS FROM MAINTENANCE OF TRAFFIC PHASE A, STEP 1

LEGEND

- (ELW) 4" TEMPORARY EDGE LINE (WHITE)
- (ELY) 4" TEMPORARY EDGE LINE (YELLOW)
- (ELY6) 6" TEMPORARY EDGE LINE (YELLOW)
- (CH) 8" CHANNELIZING LINE (WHITE)
- (DL) 4" DOTTED LINE (WHITE)
- (TL) 12" TRANSVERSE LINE (WHITE)
- (R) REMOVE PAVEMENT MARKING
- (*R) REMOVE PAVEMENT MARKING & RPM REFLECTORS
- [X X X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- [X X X] REMOVE PAVEMENT MARKING AND/OR RPM REFLECTORS
- [Arrow] TRAFFIC FLOW

NOTES: 1. ALL SIGNS FOR MAINTAINING TRAFFIC SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, INCLUDING PROPOSED SIGN OVERLAYS..

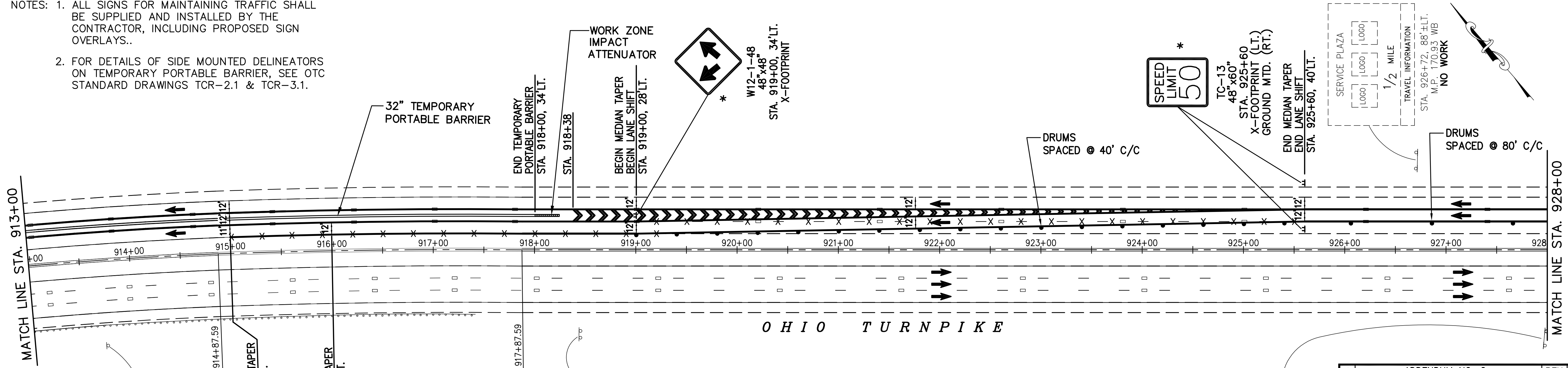
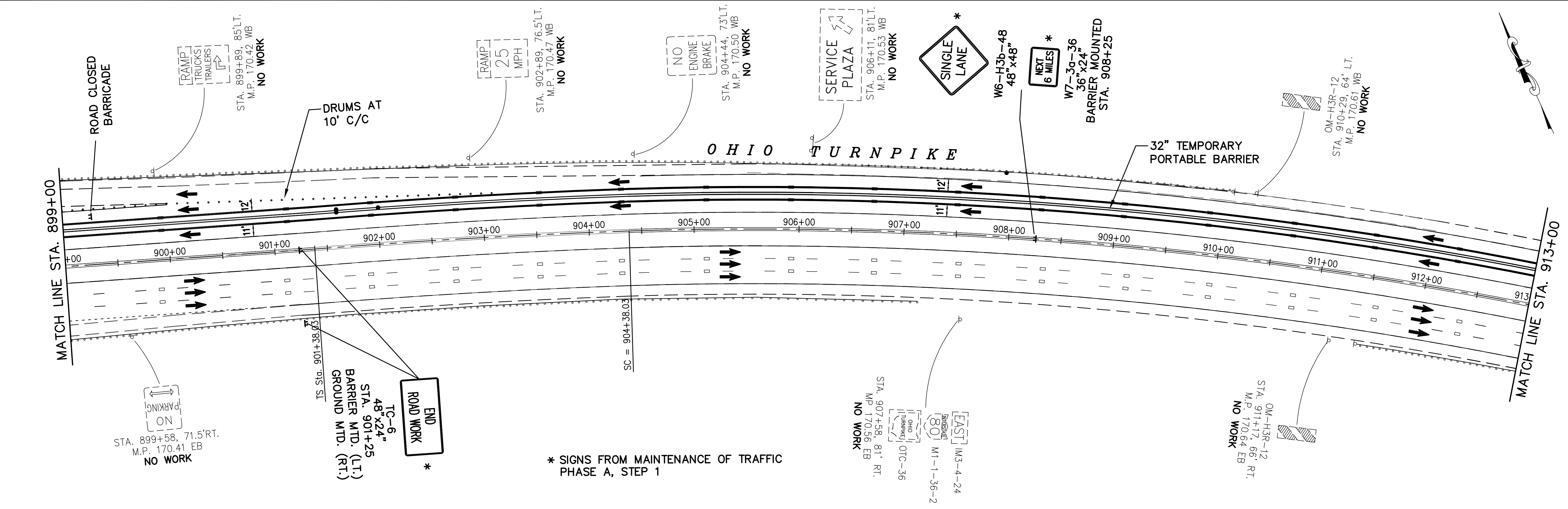
2. FOR DETAILS OF SIDE MOUNTED DELINEATORS ON TEMPORARY PORTABLE BARRIER, SEE OTC STANDARD DRAWINGS TCR-2.1 & TCR-3.1.

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DATE: NOV. 2011	DATE:
DRAWN BY: PSL	REVISION BY:
DATE: NOV. 2011	DATE:
CAD FILE NAME: 11312/MOT001.DWG	

1	ADDENDUM NO. 2	BEK	2/12
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
MAINTENANCE OF TRAFFIC PHASE PLAN DETAILS BRIDGE LANE SHIFT			
CT Consultants <small>engineers architects planners</small>			
DESIGNED: J.M.P.	CHECKED: J.M.P.	DATE: NOV. 2011	
DRAWN: J.D.C.	IN CHARGE: W.D.B.	SCALE: 1:50	
CONTRACT 39-12-02 SHEET 40D OF 128			

DESIGNED BY: MDB
 DATE: NOV. 2011
 DRAWN BY: PSL
 DATE: NOV. 2011
 CAD FILE NAME: 11312/MOTO01.DWG

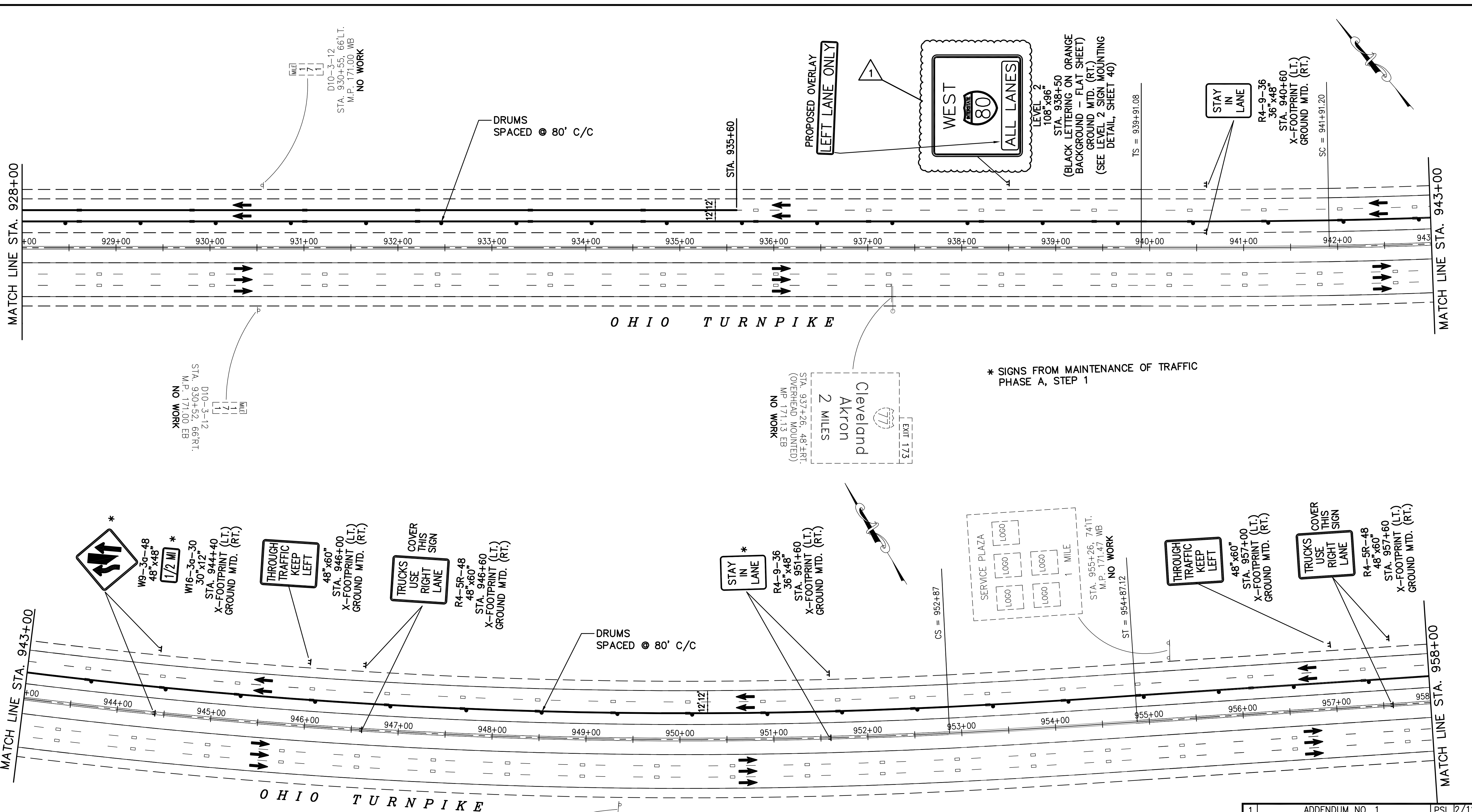
NOTES: 1. ALL SIGNS FOR MAINTAINING TRAFFIC SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, INCLUDING PROPOSED SIGN OVERLAYS.
 2. FOR DETAILS OF SIDE MOUNTED DELINEATORS ON TEMPORARY PORTABLE BARRIER, SEE OTC STANDARD DRAWINGS TCR-2.1 & TCR-3.1.



LEGEND

- (ELW) 4" TEMPORARY EDGE LINE (WHITE)
- (ELY) 4" TEMPORARY EDGE LINE (YELLOW)
- (ELY6) 6" TEMPORARY EDGE LINE (YELLOW)
- (CH) 8" CHANNELIZING LINE (WHITE)
- (DL) 4" DOTTED LINE (WHITE)
- (TL) 12" TRANSVERSE LINE (WHITE)
- (R) REMOVE PAVEMENT MARKING
- (*R) REMOVE PAVEMENT MARKING & RPM REFLECTORS
- [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- X X X REMOVE PAVEMENT MARKING AND/OR RPM REFLECTORS
- ← TRAFFIC FLOW

1	ADDENDUM NO. 2	BEK 2/12
NO.	REVISIONS	BY DATE
OHIO TURNPIKE COMMISSION		
MAINTENANCE OF TRAFFIC PHASE PLAN DETAILS BRIDGE LANE SHIFT		
CT Consultants <i>engineers architects planners</i>		
DESIGNED: J.M.P.	CHECKED: J.M.P.	DATE: NOV. 2011
DRAWN: J.D.C.	IN CHARGE: W.D.B.	SCALE: 1:50
CONTRACT 39-12-02 SHEET 40E OF 128		



NOTES: 1. ALL SIGNS FOR MAINTAINING TRAFFIC SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, INCLUDING PROPOSED SIGN OVERLAYS.

2. FOR DETAILS OF SIDE MOUNTED DELINEATORS ON TEMPORARY PORTABLE BARRIER, SEE OTC STANDARD DRAWINGS TCR-2.1 & TCR-3.1.


- LEGEND**
- (ELW) 4" TEMPORARY EDGE LINE (WHITE)
 - (ELY) 4" TEMPORARY EDGE LINE (YELLOW)
 - (ELY6) 6" TEMPORARY EDGE LINE (YELLOW)
 - (CH) 8" CHANNELIZING LINE (WHITE)
 - (DL) 4" DOTTED LINE (WHITE)
 - (TL) 12" TRANSVERSE LINE (WHITE)
 - (R) REMOVE PAVEMENT MARKING
 - (*R) REMOVE PAVEMENT MARKING & RPM REFLECTORS
 - [X X X] REMOVE PAVEMENT MARKING AND/OR RPM REFLECTORS
 - [Cross-hatch] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
 - [Arrow] TRAFFIC FLOW

DESIGNED BY: WDB	CHECKED BY: WDB
DATE: NOV. 2011	DATE: NOV. 2011
DRAWN BY: PSL	REVISIONS BY: PSL
DATE: NOV. 2011	DATE: NOV. 2011
CAD FILE NAME: 11312/NOT001.DWG	

1	ADDENDUM NO. 1	PSL	2/12
2	ADDENDUM NO. 2	BEK	2/12
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
MAINTENANCE OF TRAFFIC PHASE PLAN DETAILS BRIDGE LANE SHIFT			
CT Consultants <i>engineers architects planners</i>			
DESIGNED:	J.M.P.	CHECKED:	J.M.P.
DRAWN:	J.D.C.	IN CHARGE:	W.D.B.
DATE:	NOV. 2011	DATE:	NOV. 2011
CONTRACT 39-12-02		SHEET 40F OF 128	

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SHEET NUMBER																ITEM	GRAND TOTAL	UNIT	DESCRIPTION	REF. NO.	
8	9	11	12	13	17	18	54	55	56	57	58	90	98	99	117						
LUMP																201	LUMP	LUMP	CLEARING AND GRUBBING	8	
							15										202	15	EACH	CATCH BASIN REMOVED	
							4502										202	4502	FT	CURB REMOVED	
							12622										202	12622	FT	GUARDRAIL REMOVED	
							50										202	50	FT	GUARDRAIL REMOVED FOR SALVAGE, AS PER PLAN	9
							758										202	758	SQ YD	APPROACH SLAB REMOVED	
							2										202	2	EACH	HEADWALL REMOVED	
						360		211									202	571	FT	CONCRETE BARRIER REMOVED	
																	202	66030	SQ YD	PAVEMENT REMOVED	
							61										203	26340	CU YD	EXCAVATION	8
							11										203	11	CU YD	EMBANKMENT	
							3512										254	100097	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE	
																	254	3364	SQ YD	PAVEMENT PLANING ASPHALT CONCRETE (VARIABLE DEPTH)	
							216										SP536	216	SQ YD	CONCRETE WEATHERPROOFING, BARRIERS AND PARAPETS	
							5587.5										606	5587.5	FT	GUARDRAIL, TYPE 5, USING STEEL POST	8
							7317										606	7317	FT	GUARDRAIL, TYPE 5, USING STEEL POST (9' POSTS)	
							6										606	6	EACH	ANCHOR ASSEMBLY, TYPE T, USING STEEL POST	
							6										606	6	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1, USING STEEL POST	
							5										606	5	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2, USING STEEL POST	
							7										SP606E	7	EACH	ANCHOR ASSEMBLY, TYPE E (ET-2000 PLUS)	
							132										609	132	FT	CURB, TYPE 4-A	
							4504										609	4504	FT	ASPHALT CONCRETE CURB, PG64-22 STANDARD, TYPE 1	
							747										SP611	747	SQ YD	CLASS C, CONCRETE APPROACH SLAB USING TYPE I CEMENT (T=12")	
							293										622	293	FT	CONCRETE BARRIER TYPE D, AS PER PLAN	8
																	622	379	FT	CONCRETE BARRIER, TYPE B-50, AS PER PLAN	9
																	SP622A	152	FT	TEMPORARY PORTABLE BARRIER	
																	SP625	379	FT	CONDUIT, 4" WITH 3 CELL INNERDUCT, 725.05	
							169										SP625	379	FT	CONDUIT, 4" WITH 4 CELL INNERDUCT, 725.05	
							4										626	169	EACH	BARRIER REFLECTOR, TYPE A	
																	626	9	EACH	BARRIER REFLECTOR, TYPE B	
																	EROSION CONTROL				
																	207	1377	SQ YD	TEMPORARY SEEDING AND MULCHING	8
																	207	1142	CU YD	SEDIMENT BASINS AND DAMS	
																	207	1824	FT	INLET PROTECTION	
																	207	2000	FT	FILTER FABRIC FENCE	8
																	207	1470	FT	FILTER FABRIC DITCH CHECK	
																	207	917	CU YD	DIKES	
																	207	715	CU YD	SEDIMENT REMOVAL	
																	207	1362	FT	SLOPE DRAINS	
																	207	26	CU YD	ROCK CHANNEL PROTECTION, TYPE C OR D, WITHOUT FILTER	
																	659	2	EACH	SOIL ANALYSIS TEST	
																	659	3058	CU YD	TOPSOIL	
																	659	27547	SQ YD	SEEDING AND MULCHING	
																	659	1377	SQ YD	REPAIR SEEDING AND MULCHING	
																	659	1377	SQ YD	INTER SEEDING	
																	659	4.0	TON	COMMERCIAL FERTILIZER	
																	659	5.7	ACRE	LIME	
																	659	158	M GAL	WATER	
																	832	LUMP	LUMP	EROSION CONTROL	
																	DRAINAGE				
																	601	10	CU YD	ROCK CHANNEL PROTECTION, TYPE C, WITH FABRIC FILTER	
																	601	65	CU YD	ROCK CHANNEL PROTECTION, TYPE B, WITH FABRIC FILTER	
																	602	6	CU YD	CONCRETE MASONRY	
																	603	1126	FT	6" CONDUIT TYPE F, NON-PERFORATED ASTM D3034 (SDR 35) 707.42 OR 707.33	
																	603	700	FT	8" CONDUIT, TYPE F, AS PER PLAN	9


ADDENDUM NO. 2		NLC	2/21
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE WESTBOUND RIGHT TWO LANES & SHOULDER RECONSTRUCTION GENERAL SUMMARY			
 RESOURCE INTERNATIONAL, INC. 6350 PRESIDENTIAL GATEWAY COLUMBUS, OH 43221			
DESIGNED: NLC	CHECKED: SSK	DATE: 01/20/2012	
DRAWN: NLC	IN CHARGE: SSK	SCALE: N/A	
CONTRACT 39-12-02		SHEET 50 OF 128	

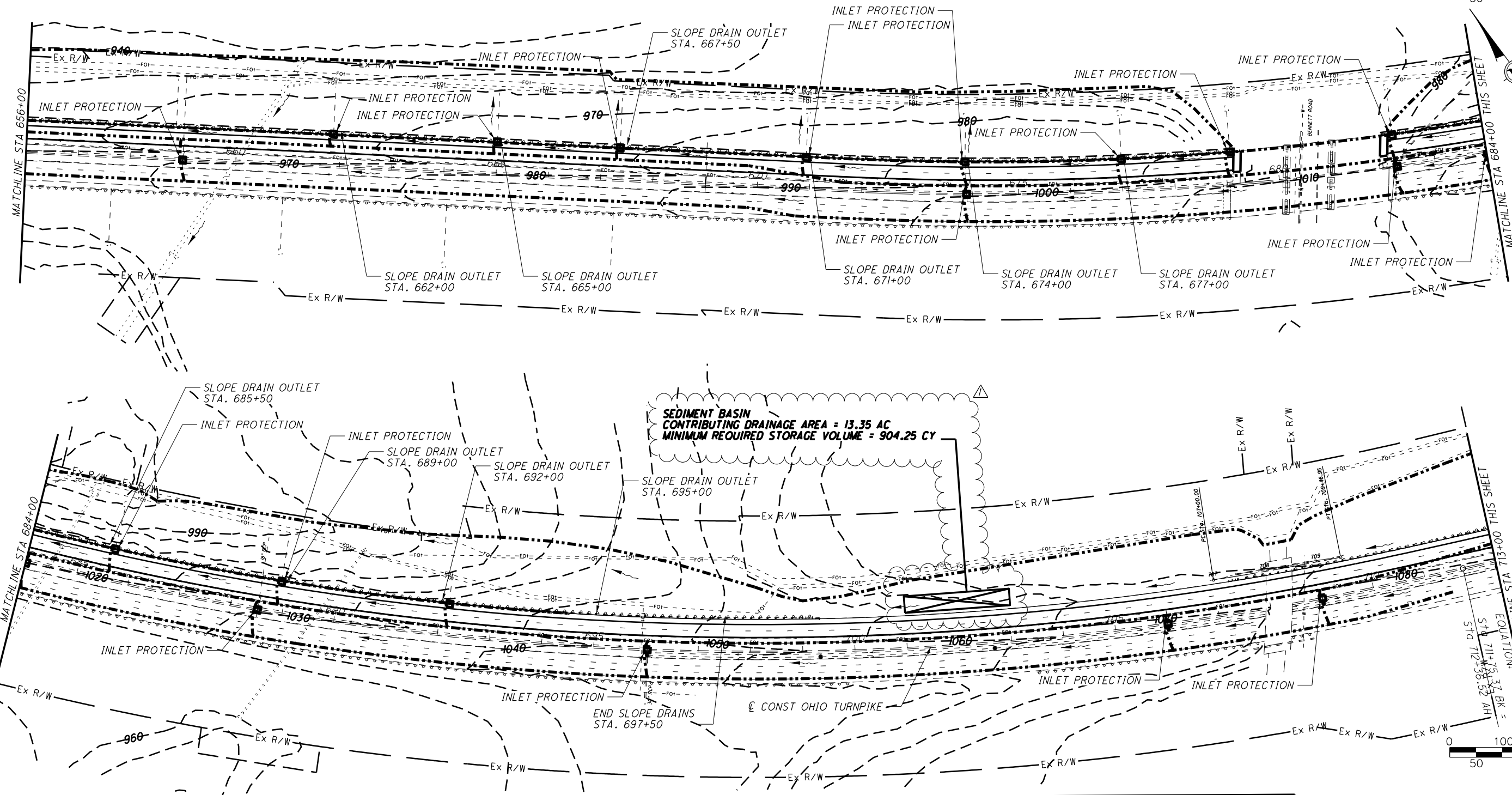
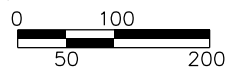
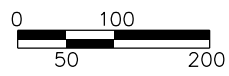
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STATION TO STATION	LOCATION	SIDE	LENGTH L	PAVEMENT WIDTH W	SHOULDER WIDTH W	SURFACE AREA A = LxW	APPROACH SLAB AREA (AS)	PLANIMETERED AREA (PA)	202		252		254		SP304		SP402		SP404		SP404A	407			452		SPECIAL	SP302		605	SPECIAL	SPECIAL				
									FROM	TO	FT	FT	FT	SO FT	SO FT	SO FT	SO FT	SO FT	SO FT	SO FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	FT	GAL	GAL	GAL	SO YD	SO YD	SO YD	CU YD
603+50.00	636+41.99		LT.	3292	26.00	85592	1004		8779	3292	9145					1604		480		411	3292		593	713		9510		2906	3292		914	0.62				
603+50.00	636+41.99	SHOULDER	LT.	3292		8779					3658		861	861			156					192		240				3263		725						
640+18.38	641+17.81		LT.	99	26.00	2574	1688	2048	228	99					115										228				99							
643+62.24	679+13.43		LT.	3551	26.00	92331	1271		9470	3551	9864							518		444	3551		639	769		10259		3135	3551	986	0.67					
643+62.24	679+13.43	SHOULDER	LT.	3551		92331					3946		929	929			168					207		259			3520		782							
682+11.45	802+29.45		LT.	12018	26.00	312468	1701		32048	12018	33383				5818			1753		1502	12018		2163	2604		34719		10608	12018	3338	2.28					
682+11.45	802+29.45	SHOULDER	LT.	12018		312468					13353		3145	3145			568					701		876			11911		2647							
805+75.54	863+90.00		LT.	5814	26.00	151176	1076		15505	5814	16150				2819			848		727	5814		1047	1260		16797		5133	5814	1615	1.10					
805+75.54	863+90.00	SHOULDER	LT.	5814		151176					6461		1521	1521			275					339		424			5763		1281							
745+00.00	750+00.00	EMER. PARKING AREA	LT.	500	VARIES			5625													500		38													
SUB-TOTALS											95,960	625										1,477	4,442	7,145												
TOTALS CARRIED TO GENERAL SUMMARY									66,030	25,274	96,585	6,456	6,456	12,089	1,167	3,599	1,206	3,084	25,175								13,064		228	71,285	24,457	21,782	5,435	24,774	6,853	4.67

STATION TO STATION	SIDE	LENGTH L	SHOULDER WIDTH W	SURFACE AREA A = LxW	SP617		SP627
					COMPACTED AGGREGATE (T=3") [A]X(3/12)X(27)	SHOULDER PREPARATION A/9	STONE SHOULDER PROTECTION (T=3") [A]X(3/12)X(27)
FROM	TO	FT	FT	SQ FT	CU YD	SO YD	CU YD
603+50.00	604+33.50	LT.	83.5	3.25	271	3	30
604+33.50	615+96.00	LT.	1162.5	3.25	3778		35
615+96.00	628+02.00	LT.	1206	3.25	3920	36	436
628+02.00	637+25.00	LT.	923	3.25	3000		28
643+09.87	679+33.08	LT.	3623.21	3.25	11775		109
682+00.39	699+31.64	LT.	1731.25	3.25	5627		52
699+31.64	707+53.00	LT.	821.36	3.25	2669	25	297
707+53.00	713+53.00	LT.	600	3.25	1950		18
713+53.00	738+43.83	LT.	2490.83	3.25	8095	75	899
738+43.83	745+00.00	LT.	656.17	3.25	2133		20
750+00.00	758+37.50	LT.	837.5	3.25	2722		25
758+37.50	792+06.00	LT.	3368.5	3.25	10948	101	1216
792+06.00	803+28.86	LT.	1122.86	3.25	3649		34
806+05.25	809+86.50	LT.	381.25	3.25	1239		11
809+86.50	824+75.10	LT.	1488.6	3.25	4838	45	538
824+75.10	828+87.60	LT.	412.5	3.25	1341		12
828+87.60	850+13.20	LT.	2125.6	3.25	6908	64	768
850+13.20	851+61.20	LT.	148	3.25	481		4

STATION TO STATION	SIDE	LENGTH L	SHOULDER WIDTH W	SURFACE AREA A = LxW	SP617		SP627
					COMPACTED AGGREGATE (T=3") [A]X(3/12)X(27)	SHOULDER PREPARATION A/9	STONE SHOULDER PROTECTION (T=3") [A]X(3/12)X(27)
FROM	TO	FT	FT	SQ FT	CU YD	SO YD	CU YD
852+46.60	856+13.68	LT.	367.08	3.25	1193		11
856+85.76	865+17.00	LT.	831.24	3.25	2702		25
SUB-TOTALS					349	4183	384
TOTALS CARRIED TO GENERAL SUMMARY					349	4183	384

ADDENDUM NO. 2		NLC	2/21
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE EASTBOUND RIGHT TWO LANES & SHOULDER RECONSTRUCTION PAVEMENT CALCULATIONS			
 RESOURCE INTERNATIONAL, INC. 6350 PRESIDENTIAL GATEWAY COLUMBUS, OH 43221			
DESIGNED: NLC	CHECKED: SSK	DATE: 01/20/2012	
DRAWN: NLC	IN CHARGE: SSK	SCALE: N/A	
CONTRACT 39-12-02		SHEET 57 OF 128	



SEDIMENT BASIN
 CONTRIBUTING DRAINAGE AREA = 13.35 AC
 MINIMUM REQUIRED STORAGE VOLUME = 904.25 CY

CONST OHIO TURNPIKE

- LEGEND**
- INLET PROTECTION
 - ⌋ FILTER FABRIC DITCH CHECK
 - PERIMETER FILTER FABRIC FENCE
 - DRAINAGE BOUNDARY

NOTES:

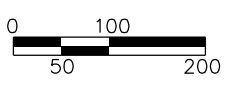
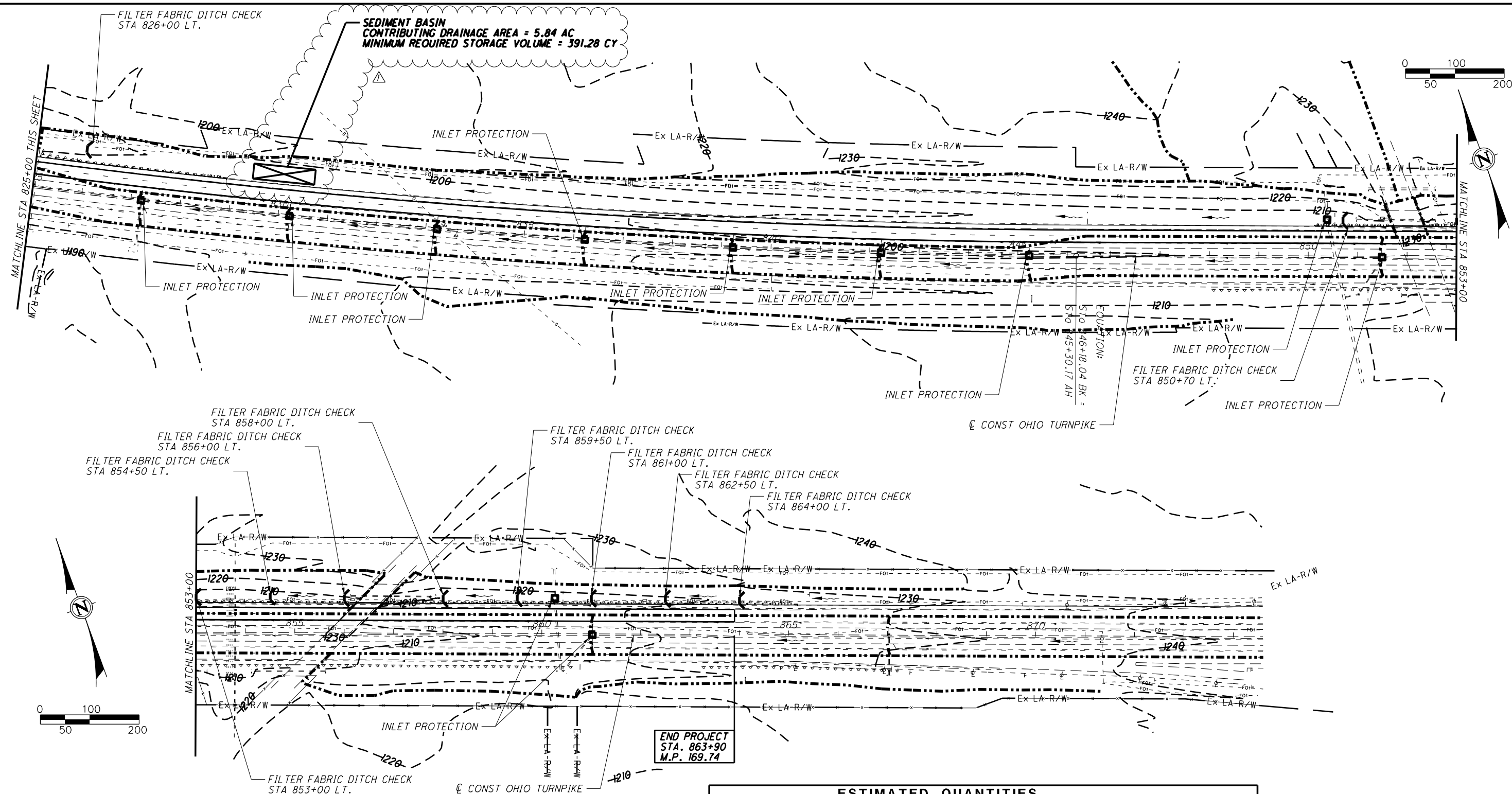
- FOR AN ALTERNATIVE BMP TO USE IN PLACE OF MEDIAN INLET PROTECTION, SEE SHEET 58.
- FOR AN ALTERNATIVE BMP TO USE IN PLACE OF SLOPE DRAINS, SEE SHEET 58.

		ESTIMATED QUANTITIES							
		207							
STATION	SIDE	TEMPORARY DITCH CHECK FABRIC FILTER FENCE	PERIMETER FILTER FABRIC FENCE	INLET PROTECTION	DIKES	SLOPE DRAINS	ROCK CHANNEL PROTECTION, TYPE C OR D, WITHOUT FILTER	SEDIMENT BASINS AND DAMS	SEDIMENT BASIN REMOVAL
		FT.	FT.	FT.	C.Y.	FT.	C.Y.	C.Y.	C.Y.
STA. 656+00 TO STA 684+00	LT.	0	0	256	312	588	8	0	0
STA. 656+00 TO STA 684+00	CL.	0	0	128	0	0	0	0	0
STA. 684+00 TO STA 713+00	LT.	0	0	96	150	437	6	707	500
STA. 684+00 TO STA 713+00	CL.	0	0	128	0	0	0	0	0
TOTAL		0	0	608	462	1025	14	707	500

ADDENDUM NO. 2		NLC	2/21
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE WESTBOUND RIGHT TWO LANES & SHOULDER RECONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN			
RESOURCE INTERNATIONAL, INC. 6350 PRESIDENTIAL GATEWAY COLUMBUS, OH 43221			
DESIGNED: ECH	CHECKED: SSK	DATE: 01/20/2012	
DRAWN: CFR	IN CHARGE: SSK	SCALE: 1" = 100'	
CONTRACT 39-12-02		SHEET 62 OF 128	

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LEGEND

	INLET PROTECTION
	FILTER FABRIC DITCH CHECK
	PERIMETER FILTER FABRIC FENCE
	DRAINAGE BOUNDARY

NOTE:
 1. FOR AN ALTERNATIVE BMP TO USE IN PLACE OF MEDIAN INLET PROTECTION, SEE SHEET 58.

		ESTIMATED QUANTITIES				
		207				
STATION	SIDE	TEMPORARY DITCH CHECK FABRIC FILTER FENCE	PERIMETER FILTER FABRIC FENCE	INLET PROTECTION	SEDIMENT BASINS AND DAMS	SEDIMENT REMOVAL
		FT.	FT.	FT.	C.Y.	C.Y.
STA. 825+00 TO STA 853+00	LT.	60	0	32	435	215
STA. 825+00 TO STA 853+00	CL.	0	0	256	0	0
STA. 853+00 TO STA 863+90	LT.	240	0	32	0	0
STA. 853+00 TO STA 863+90	CL.	0	0	32	0	0
TOTAL		300	0	352	435	215

ADDENDUM NO. 2		NLC	2/21
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE WESTBOUND RIGHT TWO LANES & SHOULDER RECONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN			
RESOURCE INTERNATIONAL, INC. 6350 PRESIDENTIAL GATEWAY COLUMBUS, OH 43221			
DESIGNED: ECH	CHECKED: SSK	DATE: 01/20/2012	
DRAWN: CFR	IN CHARGE: SSK	SCALE: 1" = 100'	
CONTRACT 39-12-02		SHEET 65 OF 128	

CONSTRUCTION SPECIFICATIONS

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIALS SPECIFICATIONS DATED JANUARY, 2010, AND THE SPECIAL PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS SHALL GOVERN THIS PROJECT.

REFERENCE SHALL BE MADE TO THE FOLLOWING ODOT SUPPLEMENTAL SPECIFICATIONS
SS 848 - BRIDGE DECK REPAIR AND OVERLAY WITH CONCRETE USING HYDRO-DEMOLITION (DATED OCTOBER 21, 2011)
EXCEPT FOR THE FOLLOWING:

- SS848.04 THIS WORK SHALL ALSO INCLUDE THE REPAIR AND OVERLAY OF THE ABUTMENT SLABS.
- SS848.04 - .06 ONLY LIMESTONE OR SLAG MAY BE USED FOR COARSE AGGREGATE. GRAVEL MAY NOT BE USED.
- SS848.14 ON SITE, SUPERPLASTICIZER SHALL ONLY BE ADDED TO THE FULL LOAD OF CONCRETE, BEFORE DISCHARGE.
- SS848.19 REMOVAL OF EXISTING ASPHALT PATCHES ON THE DECK SHALL CONFORM TO SS 848.17.
- SS848.20 PRIOR TO ANY CONCRETE REMOVAL OPERATIONS THE CONTRACTOR SHALL SAW CUT THE LONGITUDINAL REMOVAL LIMITS AS IDENTIFIED IN THE PLANS. THE SAWCUTTING SHALL BE CONSIDERED INCIDENTAL TO ITEM 848 AND NO ADDITIONAL COMPENSATION SHALL BE GRANTED.
- SS848.21 UPON COMPLETION OF THE RESOUNDING AND CONCRETE REMOVAL OPERATIONS, THE CONTRACTOR SHALL EPOXY INJECT ANY CRACKS 1/8" WIDE OR LARGER AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH SP 516A. A CONTINGENCY QUANTITY OF 50 LIN. FT. HAS BEEN INCLUDED IN THE PLANS FOR THIS WORK.

~~SS848.26 - .27 VEHICULAR TRAFFIC WILL NOT BE PERMITTED TO TRAVEL ACROSS ANY PORTION OF THE BRIDGE DECK DURING THE PLACING, CONSOLIDATING AND FINISHING OPERATIONS AND FOR A MINIMUM CURE PERIOD OF 24 HOURS. ALL WESTBOUND VEHICULAR TRAFFIC SHALL BE DIVERTED INTO THE CONTRAFLOW ON THE EASTBOUND ROADWAY DURING THESE OPERATIONS. ALL TRAFFIC ZONES AND LANE CLOSURES SHALL BE IN ACCORDANCE WITH SP 104.~~

SS848.31D COMPRESSIVE STRENGTH TEST CYLINDERS SHALL BE MADE FOR EVERY 25 CUBIC YARDS.

SCOPE OF WORK

A. MAINLINE OHIO TURNPIKE OVER ROYALTON ROAD (S.R. 82) M.P. 165.4

1. REMOVE EXISTING CONCRETE WEARING SURFACE OF BRIDGE DECK AND ABUTMENT SLABS USING HYDRODEMOLITION AS PER SS 848.
2. SOUND CONCRETE DECK AND ABUTMENT SLABS AFTER HYDRODEMOLITION AND REPAIR AREAS IDENTIFIED IN THE FIELD PER REQUIREMENTS OF SS 848.21.
3. EPOXY INJECT ANY CRACKS 1/8" WIDE OR LARGER PER SP516A.
4. NOT MORE THAN 24 HOURS PRIOR TO PLACING THE OVERLAY, PREPARE SURFACES BY CLEANING IN ACCORDANCE WITH SS 848.24.
5. PLACE NEW CONCRETE OVERLAY AS PER PLANS TO ACHIEVE FINAL GRADE IN ACCORDANCE WITH SS 848.
6. SEAL CONSTRUCTION JOINTS IN ACCORDANCE WITH THE PLANS AND SP516B.
7. REMOVE AND REPLACE EXISTING EXPANSION JOINTS AT THE WESTBOUND LANES ABUTMENTS AND PIERS AS PER PLANS AND SP533G AND SP533H.
8. WEATHERPROOF CONCRETE DECK, ABUTMENT SLABS, APPROACH SLABS, AND PARAPETS PER SP536.

B. MAINLINE OHIO TURNPIKE OVER YORK ROAD M.P. 165.5

1. REMOVE EXISTING CONCRETE WEARING SURFACE OF BRIDGE DECK AND ABUTMENT SLABS USING HYDRODEMOLITION AS PER SS 848.
2. SOUND CONCRETE DECK AND ABUTMENT SLABS AFTER HYDRODEMOLITION AND REPAIR AREAS IDENTIFIED IN THE FIELD PER REQUIREMENTS OF SS 848.21.
3. EPOXY INJECT ANY CRACKS 1/8" WIDE OR LARGER PER SP516A.
4. NOT MORE THAN 24 HOURS PRIOR TO PLACING THE OVERLAY, PREPARE SURFACES BY CLEANING IN ACCORDANCE WITH SS 848.24.
5. PLACE NEW CONCRETE OVERLAY AS PER PLANS TO ACHIEVE FINAL GRADE IN ACCORDANCE WITH SS 848.
6. SEAL CONSTRUCTION JOINTS IN ACCORDANCE WITH THE PLANS AND SP516B.
7. REMOVE AND REPLACE EXISTING EXPANSION JOINTS AT THE WESTBOUND LANES ABUTMENTS AS PER PLANS AND SP533G AND SP533H.
8. WEATHERPROOF CONCRETE DECK, ABUTMENT SLABS, APPROACH SLABS, AND PARAPETS PER SP536.

C. MAINLINE OHIO TURNPIKE OVER BENNETT ROAD M.P. 166.2

1. REMOVE EXISTING CONCRETE WEARING SURFACE OF BRIDGE DECK AND ABUTMENT SLABS USING HYDRODEMOLITION AS PER SS 848.
2. SOUND CONCRETE DECK AND ABUTMENT SLABS AFTER HYDRODEMOLITION AND REPAIR AREAS IDENTIFIED IN THE FIELD PER REQUIREMENTS OF SS 848.21.
3. EPOXY INJECT ANY CRACKS 1/8" WIDE OR LARGER PER SP516A.
4. NOT MORE THAN 24 HOURS PRIOR TO PLACING THE OVERLAY, PREPARE SURFACES BY CLEANING IN ACCORDANCE WITH SS 848.24.
5. PLACE NEW CONCRETE OVERLAY AS PER PLANS TO ACHIEVE FINAL GRADE IN ACCORDANCE WITH SS 848.
6. SEAL CONSTRUCTION JOINTS IN ACCORDANCE WITH THE PLANS AND SP516B.
7. REMOVE AND REPLACE EXISTING COMPRESSION SEALS AT THE WESTBOUND LANES ABUTMENTS AND PIERS AS PER PLANS AND PER SP533F.
8. WEATHERPROOF CONCRETE DECK, ABUTMENT SLABS, APPROACH SLABS, AND PARAPETS PER SP536.

D. MAINLINE OHIO TURNPIKE OVER VALLEY PARKWAY M.P. 168.6

1. SEAL CONSTRUCTION JOINTS IN ACCORDANCE WITH THE PLANS AND SP516B.
2. REMOVE AND REPLACE EXISTING STRIP SEALS AT THE WESTBOUND LANES ABUTMENTS AS PER PLANS AND PER SP533G.
3. WEATHERPROOF CONCRETE DECK, ABUTMENT SLABS, APPROACH SLABS, AND PARAPETS PER SP536.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE ESTIMATED QUANTITIES FOR ITEMS DESIGNATED BY PLAN NOTES TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED IN WRITING BY THE CHIEF ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE CHIEF ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

UTILITIES LINES

THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO PROTECT THE EXISTING UTILITY LINES IN THE VICINITY OF THE STRUCTURES WHILE PERFORMING ANY WORK. THE CONTRACTOR AND UTILITY COMPANY(IES) ARE REQUESTED TO COOPERATE BY ARRANGING WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER BE HELD TO A MINIMUM. ALL EXPENSE INVOLVED IN RELOCATION (INSTALLING) THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE UTILITY COMPANY(IES).

EXISTING STRUCTURE VERIFICATION

DETAILS, DIMENSIONS, AND ELEVATIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PRE-BID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS, DIMENSIONS, ELEVATIONS, AND SKEW ANGLES WHICH SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. THE STRUCTURAL STEEL AND STRUCTURAL STEEL DECK JOINTS SHALL NOT BE FABRICATED UNTIL THE ACTUAL DETAILS, DIMENSIONS, ELEVATIONS, AND SKEW ANGLES HAVE BEEN FIELD VERIFIED BY THE CONTRACTOR. THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGES ARE AVAILABLE FOR REVIEW UPON REQUEST AT THE OHIO TURNPIKE COMMISSION OFFICE, 682 PROSPECT STREET, BEREA, OHIO 44017.

ITEM 509 - EPOXY COATED REINFORCING STEEL, GRADE 60, AS PER PLAN

THE CONTRACTOR SHALL REPLACE ALL EXISTING REINFORCING STEEL BARS WHICH ARE DEEMED BY THE CHIEF ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. DRILLING DOWEL HOLES, FURNISHING AND PLACING GROUT ANCHORING WITH NONSHRINKING, NON-METALLIC GROUT PER CMS 705.20, WHERE NEEDED TO REPLACE EXISTING REINFORCEMENT, SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND SHALL BE INCLUDED WITH THE UNIT COST FOR THIS ITEM. THE COMMISSION WILL MEASURE THE REPLACEMENT REINFORCING STEEL BY THE NUMBER OF POUNDS ACCEPTED IN PLACE. A CONTINGENCY QUANTITY OF 100 POUNDS HAS BEEN INCLUDED IN THE PLANS FOR THIS WORK.

THE CONTRACTOR SHALL REPLACE ALL EXISTING REINFORCING STEEL BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND ARE DEEMED BY THE CHIEF ENGINEER TO BE MADE UNUSABLE DUE TO CONCRETE REMOVAL OPERATIONS WITH NEW EPOXY COATED REINFORCING STEEL OF THE SAME SIZE AT NO COST TO THE COMMISSION.

ITEM 513 - WELDED STUD SHEAR CONNECTORS, AS PER PLAN

THE CONTRACTOR SHALL REPLACE ALL EXISTING SHEAR STUDS DEEMED BY THE CHIEF ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. THE COMMISSION WILL MEASURE THE REPLACEMENT SHEAR STUDS BY THE NUMBER EACH ACCEPTED IN PLACE. A CONTINGENCY QUANTITY OF 10 EACH HAS BEEN INCLUDED IN THE PLANS FOR THIS WORK.

THE CONTRACTOR SHALL REPLACE ALL EXISTING SHEAR STUDS WHICH ARE DEEMED BY THE CHIEF ENGINEER TO BE MADE UNUSABLE DUE TO CONCRETE REMOVAL OPERATIONS WITH NEW SHEAR STUDS OF THE SAME SIZE AT NO COST TO THE COMMISSION.

CUTTING OR BENDING OF REINFORCING BARS

ANY CUTTING OR BENDING OF BARS NECESSARY TO ACCOMMODATE ANY ESSENTIAL ELEMENT OF WORK RELATED TO THE PROJECT SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.

ABBREVIATIONS

LIN. FT.	LINEAR FEET
FWD.	FORWARD
TYP.	TYPICAL
DIR.	DIRECTION
DIM.	DIMENSION
ABUT.	ABUTMENT
BRG.	BEARING
VAR.	VARIES
EXIST.	EXISTING
STA.	STATION
CL.	CLEAR
MEAS.	MEASUREMENT
APP.	APPROACH
APPR.	APPROXIMATE
F	FAHRENHEIT
M.P.	MILEPOST
W.B.	WESTBOUND
E.B.	EASTBOUND

PROTECTION OF TRAFFIC

THE CONTRACTOR SHALL SUBMIT A PLAN TO PROTECT THE TRAVELING PUBLIC FROM ALL REMOVAL DEBRIS AND/OR CONSTRUCTION MATERIAL THAT MAY COME IN CONTACT OR POSE A DANGER TO THE TRAVELING PUBLIC. HYDRODEMOLITION WATER, SLURRY AND/OR WASTE SHALL NOT BE PERMITTED TO FLOW ONTO OPEN LANES OF TRAFFIC OR INTO STORM SEWERS. THE CONTRACTOR MAY PERFORM THE WORK DURING A WEEKEND, IN ACCORDANCE WITH SP 104, AND DIVERT ALL WESTBOUND TRAFFIC INTO THE CONTRAFLOW ON THE EASTBOUND ROADWAY. THE PLAN MUST BE SUBMITTED TO THE COMMISSION AND GOVERNING LOCAL AGENCIES PRIOR TO THE COMMENCEMENT OF ANY WORK.

SP 614 - MAINTAINING TRAFFIC

JOINT REPLACEMENT IN CENTER AND RIGHT LANES AND RIGHT SHOULDER SHALL BE ACCOMPLISHED AFTER HYDRODEMOLITION OPERATIONS FOR THE BRIDGE DECK OVERLAY AND DURING NORMAL MAINTENANCE OF TRAFFIC OPERATIONS IMPLEMENTED FOR THE RECONSTRUCTION OF PAVEMENT AND APPROACH SLABS, AS SHOWN IN THE PLANS.

JOINT REPLACEMENT IN LEFT LANE AND LEFT SHOULDER SHALL BE ACCOMPLISHED WHILE MAINTAINING TWO LANES OF TRAFFIC WESTBOUND AT ALL TIMES IN THE WESTBOUND CENTER AND RIGHT LANES. THIS OPERATION AND THE NECESSARY MAINTENANCE OF TRAFFIC MAY BE ACCOMPLISHED EITHER PRIOR TO OR FOLLOWING THE JOINT REPLACEMENT IN THE WESTBOUND CENTER AND RIGHT LANES. CONTRACTOR SHALL SUBMIT PROPOSED MAINTENANCE OF TRAFFIC PLANS TO THE CHIEF ENGINEER FOR APPROVAL PRIOR TO BEGINNING THIS OPERATION.

BRIDGE DECK OVERLAY PLACEMENT, FINISHING & CURING:

- a) DURING THESE OPERATIONS, ALL TRAFFIC MAINTAINED ON THE WESTBOUND ROADWAY LEFT SHOULDER SHALL BE REDUCED IN SPEED AND SHIFTED ONTO THE MEDIAN SHOULDER AS SHOWN ON SHEET 20 OF 128 AND ON SHEETS 40A THROUGH 40G OF 128.
- b) SPECIAL SIGNAGE IMPLEMENTED DURING THIS PHASE FOR THE PURPOSE OF REDUCING TRAFFIC SPEED AND VOLUME SHALL REMAIN IN PLACE TO PROVIDE A MINIMUM INITIAL CURE PERIOD OF 24 HOURS, AFTER WHICH TIME THE SPECIAL SIGNAGE SHALL BE REMOVED.
- c) LANE SHIFT SHALL BE REMOVED WITHIN 72 HOURS OF THE COMPLETION OF THE 24 HOUR INITIAL CURE PERIOD, UNLESS OTHERWISE APPROVED BY THE CHIEF ENGINEER.
- d) CONCRETE OVERLAY PLACEMENT AND ASSOCIATED SPECIAL SIGNAGE (TO REDUCE TRAFFIC SPEED & VOLUME) SHALL BEGIN NO EARLIER THAN 10:00 PM ON A FRIDAY EVENING, UNLESS AUTHORIZED OTHERWISE BY THE CHIEF ENGINEER.
- e) INITIAL 24-HOUR CURE PERIOD AND THE ASSOCIATED SPECIAL SIGNAGE (TO REDUCE TRAFFIC SPEED & VOLUME) SHALL END NO LATER THAN SUNDAY AT 12:00 NOON, UNLESS AUTHORIZED OTHERWISE BY THE CHIEF ENGINEER.
- f) DATES OF EACH OVERLAY OPERATION SHALL BE SCHEDULED WITH AND APPROVED BY THE CHIEF ENGINEER. ONLY ONE BRIDGE DECK SHALL BE OVERLAID PER WEEKEND, UNLESS APPROVED OTHERWISE BY THE CHIEF ENGINEER. ALL TRAFFIC ZONES AND LANE CLOSURES SHALL BE IN ACCORDANCE WITH SP 104.

ALL TRAFFIC ON LOCAL ROADS AND STATE ROUTES SHALL BE MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AGENCY. APPROVAL SHALL BE OBTAINED FROM THE LOCAL GOVERNING AGENCY PRIOR TO THE COMMENCEMENT OF ANY WORK ON OR OVER THE LOCAL ROAD OR IMPLEMENTATION OF ANY MAINTENANCE OF TRAFFIC ZONE.

THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO PERFORM THIS WORK WITH THESE REQUIREMENTS AND SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM SP614 - MAINTAINING TRAFFIC.

ITEM SP536 CONCRETE WEATHERPROOFING

ITEM SP536-CONCRETE WEATHERPROOFING SHALL BE APPLIED TO THE FOLLOWING EXPOSED CONCRETE SURFACES OF THE BRIDGE:
-THE TOP OF THE ABUTMENT SLABS AND SUPERSTRUCTURE SLABS.
-ALL PARAPET SURFACES AND SLAB SIDE EDGES.
-THE BOTTOM SURFACE OF THE SUPERSTRUCTURE SLAB FROM THE SLAB SIDE EDGE TO THE EXTERIOR STRINGER FLANGE.
-APPROACH SLABS AND MEDIAN BARRIERS ON THE APPROACH SLABS.

ADDENDUM #2		JJS	02/12
NO.	REVISIONS	BY	DATE
OHIO TURNPIKE COMMISSION			
GENERAL NOTES			
STRUCTURES AT MP 165.4, 165.5, 166.2, AND 168.6			
DESIGNED:	ADY	CHECKED:	-
DRAWN:	JJS	IN CHARGE:	-
DATE:	1/12	SCALE:	N.T.S.