

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

POR-305 / 700-0.00 / VAR

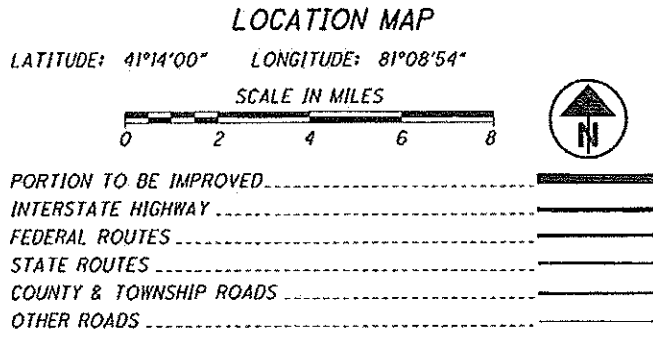
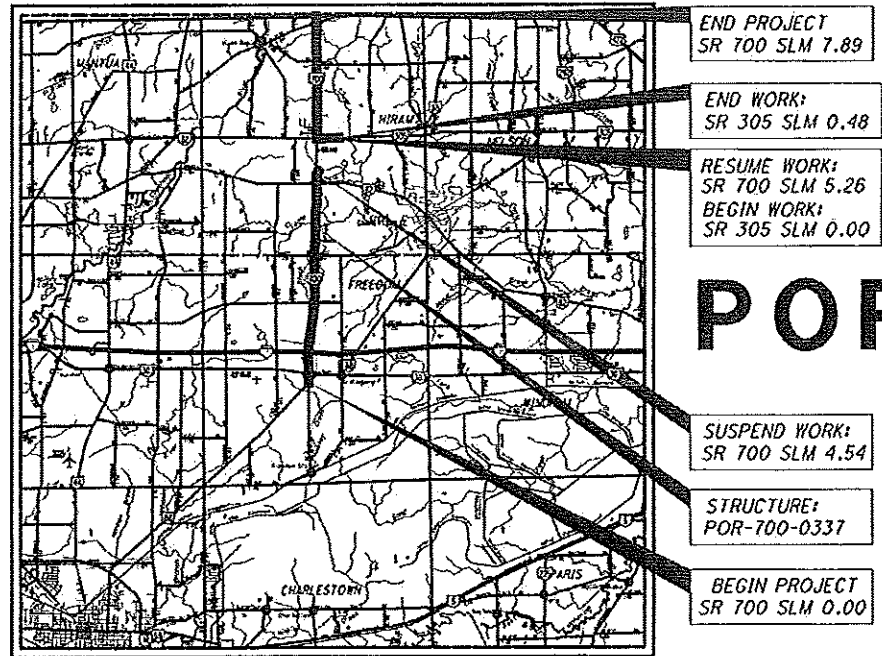
VILLAGE OF HIRAM
FREEDOM TOWNSHIP
HIRAM TOWNSHIP
PORTAGE COUNTY

PROJECT DESCRIPTION
FINE GRADED POLYMER ASPHALT CONCRETE OVERLAY
OF POR SR 305 FROM SLM 0.00 TO SLM 0.48. ALSO
INCLUDES RESURFACING OF POR SR 700 FROM SLM 0.00
TO SLM 4.54 AND SLM 5.26 TO SLM 7.89. BRIDGE
MAINTENANCE OF POR-700-0337 OVER EAGLE CREEK.

EARTH DISTURBED AREAS
PROJECT EDA: N/A (MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EDA: N/A (MAINTENANCE PROJECT)
NOTICE OF INTENT EDA: N/A (MAINTENANCE PROJECT)

2016 SPECIFICATIONS
THE STANDARD SPECIFICATIONS OF THE STATE OF
OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING
SUPPLEMENTAL SPECIFICATIONS LISTED IN THE
PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL
GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT
THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE
THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS
NOTED ON SHEETS 8-II, AND THAT PROVISIONS FOR THE
MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS
SET FORTH ON THE PLANS AND ESTIMATES.



DESIGN DESIGNATION

DESIGN FUNCTIONAL CLASSIFICATION:
SR 700 ISLM 0.00 TO 4.54 / SR 700 ISLM 5.82 TO 7.89:
RURAL MAJOR COLLECTOR
SR 700 ISLM 5.26 TO 5.82 / SR 305 ISLM 0.00 TO 0.48:
URBAN MAJOR COLLECTOR
NHS PROJECT: NO/NO

DESIGN EXCEPTIONS
NONE

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES TWO WORKING DAYS
BEFORE YOU DIG.

OHIO
Utilities Protection
SERVICE
(Non-members must be called directly)
Call Before You Dig
1-800-362-2764

OIL & GAS PRODUCERS
UNDERGROUND PROTECTION SERVICE
1-800-925-0988

PLAN PREPARED BY:
ODOT -- DISTRICT 4 PLANNING & ENGINEERING
2088 SOUTH ARLINGTON ROAD
AKRON, OH 44306

ENGINEERS SEAL:

SIGNED: M. Andrasik
DATE: 10/6/17

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	7/18/14	MT-97.10	7/18/14			800-2016 10/20/17	
BP-4.1	7/19/13	MT-97.12	1/20/17			821 4/20/12	
BP-5.1	7/19/13	MT-99.20	7/21/17			832 1/17/14	
BP-7.1	7/18/14	MT-101.60	1/20/17			846 4/17/15	
		MT-101.90	7/21/17			897 1/15/15	
MGS-1.1	7/21/17	MT-105.10	7/19/13			921 4/20/12	
MGS-2.1	7/19/13						
MGS-4.3	1/18/13	TC-41.20	10/18/13				
		TC-42.20	10/18/13				
RM-1.1	7/18/14	TC-52.10	10/18/13				
		TC-52.20	7/21/17				
AS-1-15	1/17/15	TC-65.10	1/17/14				
DBR-2-73	7/19/02	TC-65.11	7/21/17				
DBR-3-II	7/15/11	TC-71.10	1/20/17				
DS-1-92	7/18/03						

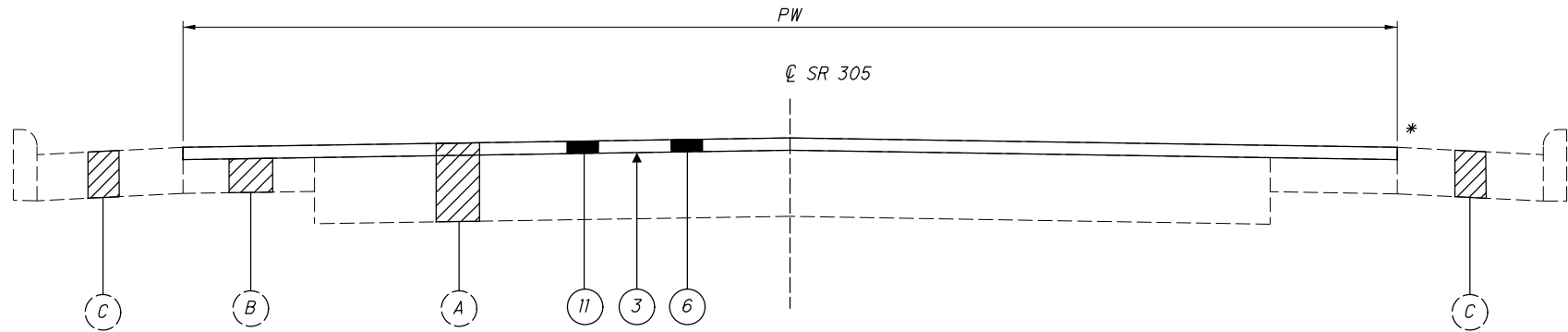
APPROVED:
DATE: 10/6/17 DISTRICT DEPUTY DIRECTOR

APPROVED:
DATE: 11-17-17 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

FEDERAL PROJECT NO. E140(844)
PID NO. 94131
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT NONE
POR-305 / 700-0.00 / VAR
27

POR - SR 305/SR 700-0.00/VAR
180029 PID - 94131
Dist 4 1/11/2018
Contact Proposal Available @
www.contracts.dot.state.oh.us/home
Conformed Set

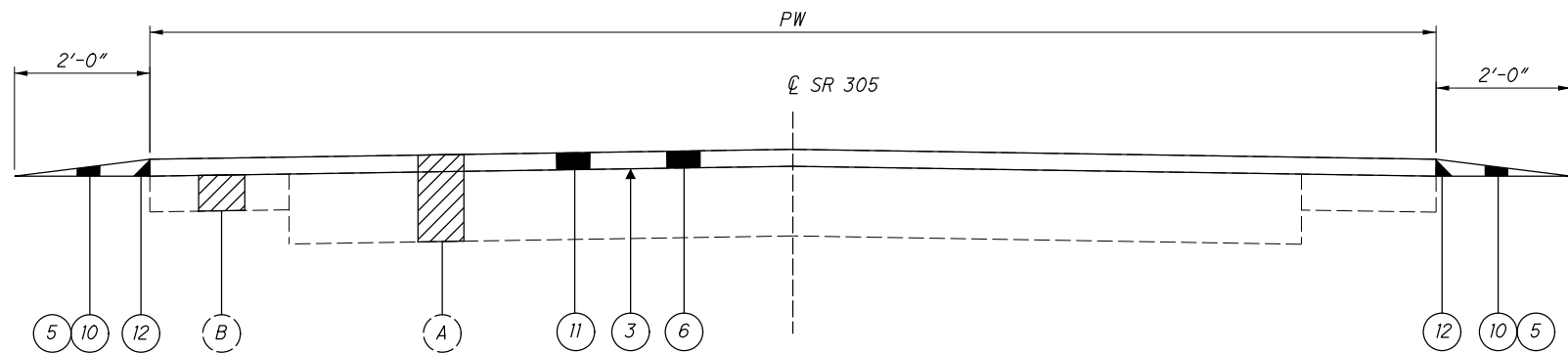
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TYPICAL SECTION 1

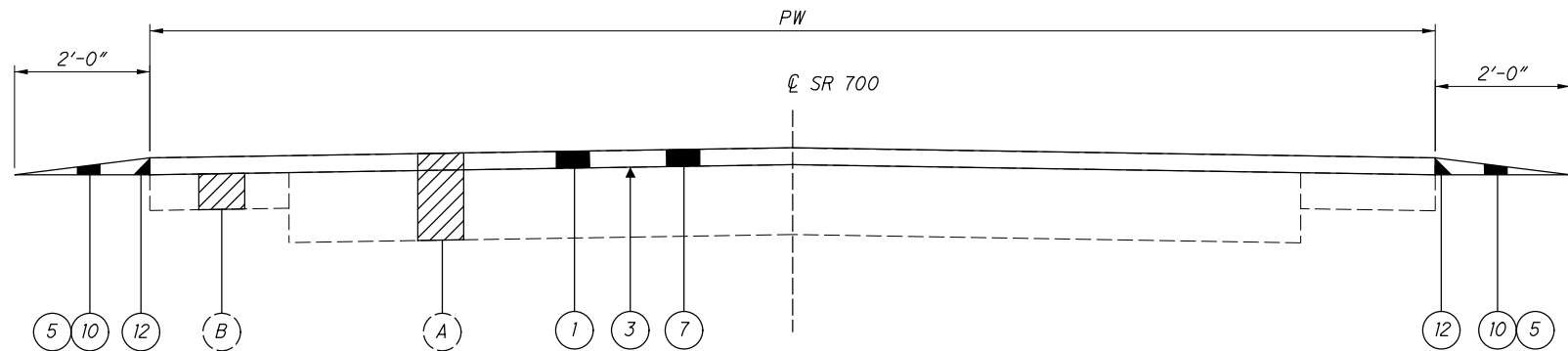
SR 305			
SLM		PW (FT)	LENGTH (MILES)
FROM	TO		
0.00	0.13	22	0.13
0.13	0.14	24	0.01

* NO CURB AND GUTTER RIGHT SIDE



TYPICAL SECTION 2

SR 305			
SLM		PW (FT)	LENGTH (MILES)
FROM	TO		
0.14	0.48	26	0.34



TYPICAL SECTION 3

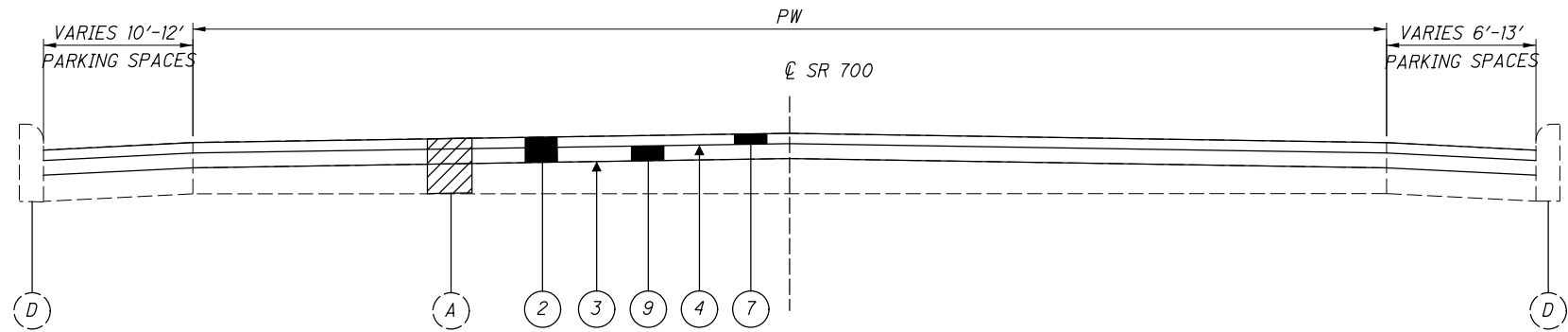
SR 700			
SLM		PW (FT)	LENGTH (MILES)
FROM	TO		
0.00	0.63	24	0.63
0.69	2.97	24	2.28
2.97	3.11	30	0.14
3.11	3.36	24	0.25
3.38	4.54	24	1.16

LEGEND

- 1 254, PAVEMENT PLANING ASPHALT CONCRETE (T = 1")
- 2 254, PAVEMENT PLANING ASPHALT CONCRETE (T = 3")
- 3 407, NON-TRACKING TACK COAT @ 0.08 GAL/SY
- 4 407, NON-TRACKING TACK COAT @ 0.05 GAL/SY
- 5 408, PRIME COAT, AS PER PLAN @ 0.40 GAL/SY
- 6 424, FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN (T = 1")
- 7 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), AS PER PLAN (PG70-22M) (T = 1 1/4")
- 8 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448) (T = 1")
- 9 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448) (T = 1 3/4")
- 10 617, COMPACTED AGGREGATE, AS PER PLAN (T = 2")
- 11 897, PAVEMENT PLANING, CLASS A (T = 1")
- 12 SAFETY EDGE, REFER TO SAFETY EDGE DETAIL SHEET 4

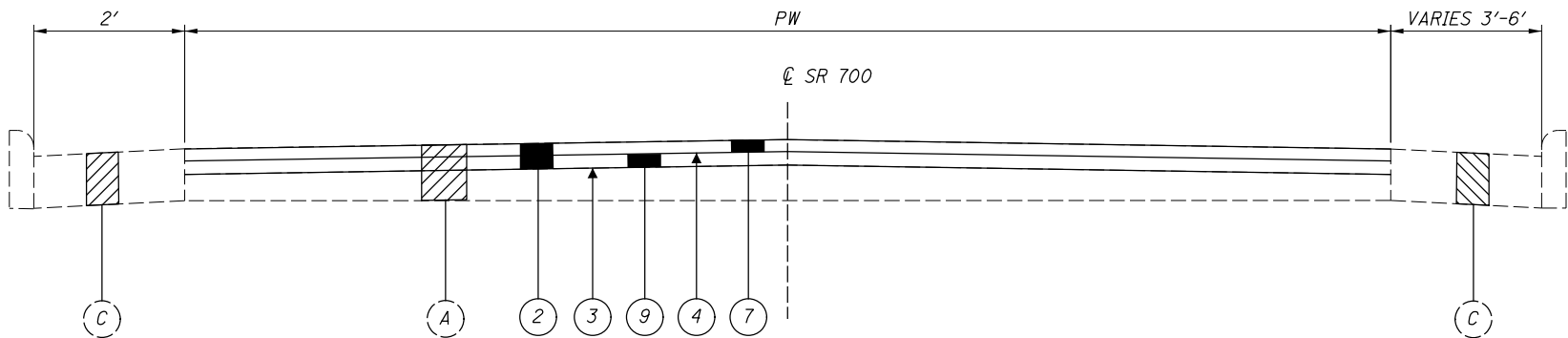
- A EXISTING ASPHALT PAVEMENT
- B EXISTING SHOULDER
- C EXISTING CURB AND GUTTER
- D EXISTING CURB

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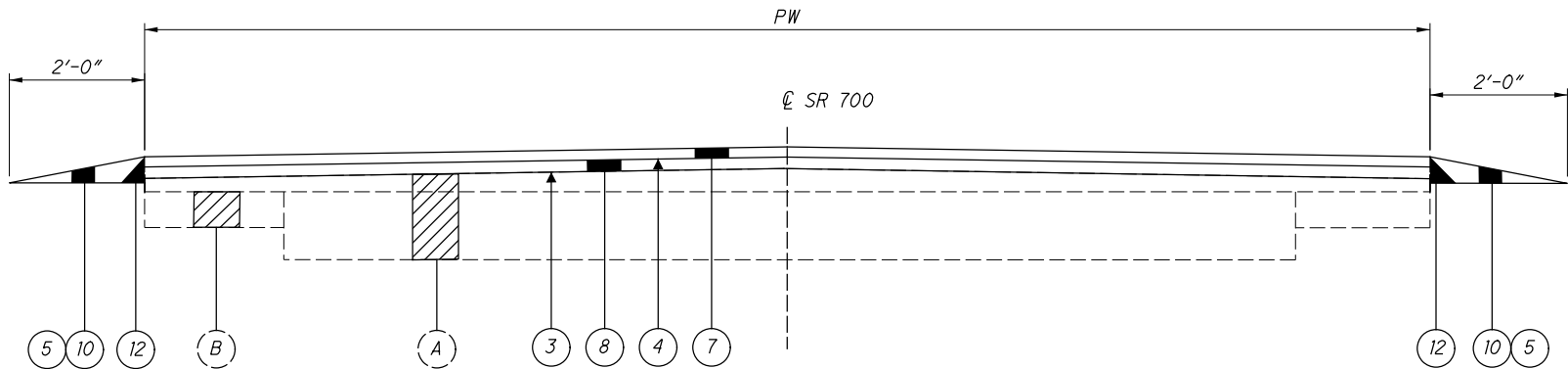
TYPICAL SECTION 4

SR 700			
SLM		PW (FT)	LENGTH (MILES)
FROM	TO		
5.26	5.51	24	0.25



TYPICAL SECTION 5

SR 700			
SLM		PW (FT)	LENGTH (MILES)
FROM	TO		
5.51	5.82	26	0.31



TYPICAL SECTION 6

SR 700			
SLM		PW (FT)	LENGTH (MILES)
FROM	TO		
5.82	7.89	26	2.07

CALCULATED	HKS
CHECKED	XXX

TYPICAL SECTIONS

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0.00 / VAR

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SAFETY EDGE (ASPHALT CONCRETE)

IN ADDITION TO THE REQUIREMENTS OF 401.12, ATTACH A DEVICE TO THE SCREED OF THE PAVER THAT CONFINES THE MATERIAL AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A COMPACTED WEDGE SHAPE PAVEMENT EDGE OF APPROXIMATELY 30 DEGREES (NOT STEEPER THAN 40 DEGREES). ENSURE THE DEVICE MAINTAINS CONTACT WITH THE EXISTING SURFACE, AND ALLOW FOR AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS. DO NOT USE CONVENTIONAL SINGLE PLATE STRIKE OFF.

CONSTRUCTION OF SAFETY EDGE CAN BE OMITTED AT LOCATIONS WHERE EXISTING WIDTH OF GRADED SHOULDER OR BERM IS LESS THAN 12". PROJECTS WITH VARYING CONDITIONS SHOULD USE SAFETY EDGE WHERE POSSIBLE. PLAN PREPARATION HAS MADE EVERY REASONABLE ATTEMPT TO IDENTIFY POSSIBLE SAFETY EDGE LOCATIONS.

USE THE TRANSTECH SHOULDER WEDGE MAKER, THE CARLSON SAFETY EDGE END GATE, THE ADVANT-EDGER, THE TROXLER SAFETY SLOPE OR A SIMILAR APPROVED-EQUAL DEVICE THAT PRODUCES THE SAME WEDGE CONSOLIDATION RESULTS. CONTACT INFORMATION FOR THESE WEDGE SHAPE COMPACTION DEVICES IS THE FOLLOWING:

- TRANSTECH SYSTEMS, INC.
1594 STATE STREET
SCHENECTADY, NY 12304
1-800-724-6306
WWW.TRANSTECHSYS.COM
- ADVANT-EDGE PAVING EQUIPMENT LLC
P.O. BOX 9163
NISKAYUNA, NY 12309-0163
518-280-6090
WWW.ADVANTAEDGEPAVING.COM
- CARLSON SAFETY EDGE END GATE
18425 50TH AVENUE EAST
TACOMA, WA 98446
253-875-8000
- TROXLER ELECTRONIC LABORATORIES, INC.
3008 E. CORNWALLIS RD.
RESEARCH TRIANGLE PARK, NC 27709
1-877-TROXLER
WWW.TROXLERLABS.COM

IF ELECTING TO USE A SIMILAR DEVICE, PROVIDE PROOF THAT THE DEVICE HAS BEEN USED ON PREVIOUS PROJECTS WITH ACCEPTABLE RESULTS OR CONSTRUCT A TEST SECTION PRIOR TO THE BEGINNING OF WORK AND DEMONSTRATE WEDGE COMPACTION TO THE SATISFACTION OF THE ENGINEER. SHORT SECTIONS OF HANDWORK WILL BE ALLOWED WHEN NECESSARY FOR TRANSITIONS AND TURNOUTS OR OTHERWISE AUTHORIZED BY THE ENGINEER.

IN ADDITION TO THE REQUIREMENTS OF 401.16, MAKE THE FIRST ROLLER PASS 8 TO 12 INCHES AWAY FROM TAPERED EDGE. DO NOT ROLL THE TAPER.

ITEM 209, PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN.

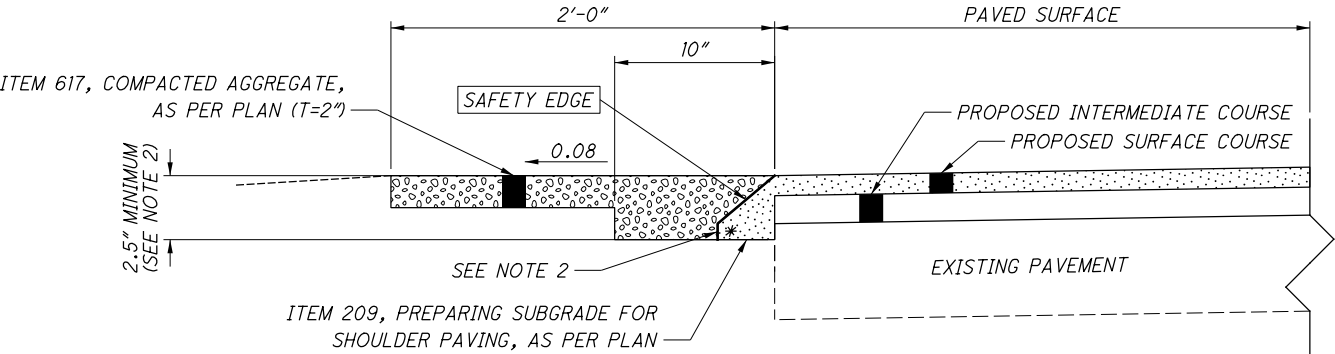
PREPARE THE SHOULDER FOR PAVING A CONSISTENT SAFETY EDGE IN BOTH THICKNESS AND WIDTH.

PRIOR TO PAVING THE SAFETY EDGE, GRADE AN AREA 10 INCHES WIDE, BEGINNING AT THE EDGE OF THE PAVED ROADWAY, TO PROVIDE A LEVEL SURFACE FREE OF VEGETATION FOR CONSTRUCTION OF THE SAFETY EDGE. IF NECESSARY, EXCAVATE THE GRADED AREA TO THE DEPTH NECESSARY TO CONSTRUCT THE SAFETY EDGE. THE MATERIAL REMOVED DURING THIS PROCESS SHOULD BE REMOVED IMMEDIATELY. COMPACT THE GRADED SHOULDER ACCORDING TO 617.05, OR AS DIRECTED BY THE ENGINEER.

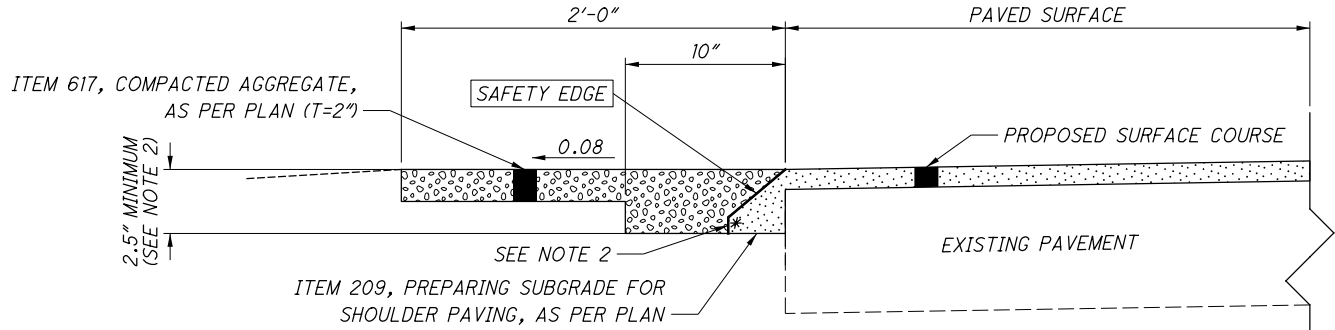
- NOTES:
- 1.) SAFETY EDGES ARE REQUIRED AT THE OUTSIDE EDGES OF THE PAVED ROADWAY (EDGE OF TRAVEL LANE OR EDGE OF PAVED SHOULDER).
- 2.) CONSTRUCT THE SAFETY EDGE THE FULL ASPHALT CONCRETE OVERLAY THICKNESS OR 2.5" WHICHEVER IS GREATER, NOT TO EXCEED THE MAXIMUM SAFETY EDGE THICKNESS OF 6". CONSTRUCT A NEAR-VERTICAL FACE BELOW THE SAFETY EDGE FOR THICKNESS GREATER THAN 6".
- 3.) BLADE AND SHAPE EXISTING SHOULDER MATERIAL TO FORM A UNIFORM SURFACE UNDER THE SAFETY EDGE PRIOR TO PLACEMENT OF THE ASPHALT CONCRETE OVERLAY.
- * 40° MAX

ESTIMATED QUANTITIES

ROUTE	SAFETY EDGE THICKNESS (IN.)	S.L.M TO S.L.M.			SIDE	209	424	441
						PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN (PG70-22M)
						STA	CY	CY
SR 305	2.5	0.15	TO	0.48	L/R	34.8	3.36	
SR 700	2.5	0.00	TO	4.54	L/R	479.4		46.17
	2.5	5.79	TO	7.89	L/R	221.8		21.35
TOTALS CARRIED TO GENERAL SUMMARY						737	4	68



SAFETY EDGE DETAIL FOR 2 COURSE OVERLAY



SAFETY EDGE DETAIL FOR 1 COURSE OVERLAY

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UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS:

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEAD-QUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)

OGPUPS 1-800-925-0988

ODOT 330-786-4826 MIKE SIMPKINS

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.

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

BUCKEYE OIL PRODUCING COMPANY ATTN: MARK LYTEL P.O. BOX 129 WOOSTER, OH 44691 330-264-8847	CHARTER ATTN: CARL PRICE 8385 BAVARIA ROAD MACEDONIA, OH 44056 330-963-3620 EXT. 1216551169
--	---

DOMINION ENERGY OHIO ATTN: BILL SNYDER 320 SPRINGSIDE DRIVE AKRON, OH 44333 330-664-2781	EVERSTREAM ATTN: SUSAN SIX 800 WEST ST. CLAIR AVE. 2ND FLOOR CLEVELAND, OHIO 44113 216-317-6068 CELL
--	---

OHIO EDISON ATTN: MIKE BECK 730 SOUTH AVENUE YOUNGSTOWN, OH 44502 330-740-7704 EXT. 7704	VERIZON BUSINESS / MCI ATTN: AL GUEST 120 RAVINE STREET AKRON, OH 44303 330-253-8267
--	--

VILLAGE OF HIRAM ATTN: BOB SIMON 11617 GARFIELD ROAD P.O. BOX 65 HIRAM, OH 44234 330-569-7860	WINDSTREAM ATTN: JEFF GULYAS 100 OWEN BROWN ROAD HUDSON, OH 44236 330-650-8404
--	--

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

PAVEMENT MARKING DETAILS

THE PAVEMENT MARKING DETAIL SHEETS WILL BE SUPPLIED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS:

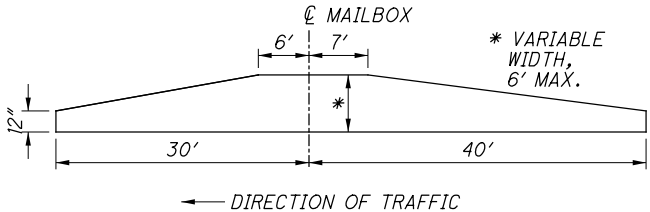
ROUTE	S.L.M. TO S.L.M.	LANE WIDTH
700	0.00 TO 4.54	10'
700	5.26 TO 5.51	12'
700	5.26 TO 5.51	11'
700	5.82 TO 7.89	12'
305	0.00 TO 0.48	10'

PAVED MAILBOX APPROACHES

ALL EXISTING MAIL BOX APPROACHES WILL BE PAVED WITH ASPHALT CONCRETE AS PER TYPICAL SHOWN OR AS NEAR AS PRACTICAL. AGGREGATE APPROACHES SHALL HAVE A 2 IN. MIN. THICKNESS; IMPROVED APPROACHES SHALL HAVE A 2 IN. MIN. THICKNESS. THE CONTRACTOR SHALL PAVE THE MAILBOX APPROACHES WITH THE PAVING OF THE MAINLINE AND SHOULDERS.

SR 305 SLM 0.15 TO 0.48
ALL GRADING, TACK, TOOLS, EQUIPMENT, MATERIAL AND INCIDENTALS REQUIRED TO LAYOUT AND CONSTRUCT THE MAILBOX APPROACHES SHALL BE INCLUDED IN THE UNIT BID FOR ITEM 424, FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN.

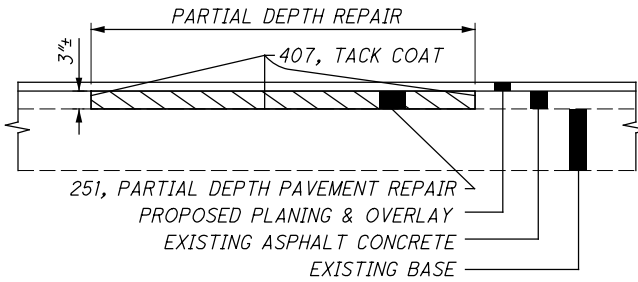
SR 700 SLM 0.00 TO 4.54 & SLM 5.82 TO 7.89
ALL GRADING, TACK, TOOLS, EQUIPMENT, MATERIAL AND INCIDENTALS REQUIRED TO LAYOUT AND CONSTRUCT THE MAILBOX APPROACHES SHALL BE INCLUDED IN THE UNIT BID FOR ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), AS PER PLAN (PG70-22M).



ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE 1 PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

- SR 305 SLM 0.00 TO SLM 0.48
- 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 100 SQ. YD.
- SR 700 SLM 0.00 TO SLM 4.54
- 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 5000 SQ. YD.
- SR 700 SLM 5.26 TO SLM 5.82
- 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 800 SQ. YD.
- SR 700 SLM 5.82 TO SLM 7.89
- 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 2000 SQ. YD.



ITEM 254 PATCHING PLANED SURFACE

THIS ITEM OF WORK SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS ACCORDING TO 254.04. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF THE MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE BEGINNING OF MAINLINE PAVEMENT PLANING. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PATCHING PLANED SURFACE. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

- SR 305 SLM 0.00 TO SLM 0.48
- ITEM 254, PATCHING PLANED SURFACE, 500 SQ. YD.
- SR 700 SLM 0.00 TO SLM 4.54
- ITEM 254, PATCHING PLANED SURFACE, 3000 SQ. YD.

ADJUSTMENTS TO GRADE

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY AND ARE TO BE USED AS DIRECTED BY THE ENGINEER TO ADJUST THE EXISTING ITEMS TO GRADE.

- 611, CATCH BASIN ADJUSTED TO GRADE, 6 EACH
- 611, MANHOLE ADJUSTED TO GRADE, 2 EACH
- 623, MONUMENT BOX ADJUSTED TO GRADE, 8 EACH
- 638, VALVE BOX ADJUSTED TO GRADE, 13 EACH

CURB RAMPS / DETECTABLE WARNINGS

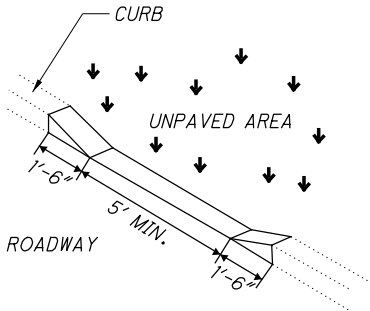
UNLESS OTHERWISE DIRECTED BY THE ENGINEER, INSTALLATION OF THE CURB RAMPS / DETECTABLE WARNINGS WILL BE PERFORMED PRIOR TO MAINLINE RESURFACING.

PEDESTRIAN CURB CUTS

THE CONTRACTOR WILL PROVIDE CURB CUTS, AS DETAILED BELOW WHERE CURB CURRENTLY EXISTS. THE FOLLOWING ITEMS WILL BE USED TO REMOVE THE EXISTING CURB AND INSTALL NEW PEDESTRIAN CURB CUTS (ALL ITEMS MAY NOT BE USED AT ALL LOCATIONS):

- ITEM 202, CURB REMOVED
- ITEM 203, EXCAVATION
- ITEM 203, EMBANKMENT
- ITEM 609, COMBINATION CURB AND GUTTER, TYPE 2
- ITEM 659, SEEDING AND MULCHING

REFER TO THE CURB RAMP SUB-SUMMARY FOR LOCATIONS AND QUANTITIES.



PEDESTRIAN CURB CUT

CALCULATED
HKS
CHECKED
MAC

GENERAL NOTES

POR-305 / 700-
0.00 / VAR

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ITEM SPECIAL – MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

QUANTITY THAT WILL BE CARRIED TO THE GENERAL SUMMARY:
690, MAILBOX SUPPORT SYSTEM, SINGLE 3 EACH
690, MAILBOX SUPPORT SYSTEM, DOUBLE 1 EACH

ITEM 408 – PRIME COAT, AS PER PLAN

APPLY ‘MC-70’ AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

ITEM 441 – ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), AS PER PLAN (PG70-22M)

ITEM 424 – FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN

703.05 DO NOT USE FINE AGGREGATE FROM A SOURCE DESIGNATED ‘SR’ OR ‘SRH’ ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.

ITEM 617 – COMPACTED AGGREGATE, AS PER PLAN

IN LOW SHOULDER AREAS EXCEEDING 1”, AND ADJACENT TO THE SAFETY EDGE, OR AS DIRECTED BY THE ENGINEER, RECYCLED ASPHALT PAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PER 441.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. METHOD OF MEASUREMENT SHALL BE AS PER 617.06. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617. ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

MODIFIED GRADATION SHALL APPLY:

SIEVE	TOTAL PERCENT PASSING
1-1/2”	100
3/4”	50-100
NO. 4	35-70
NO. 30	9-33
NO. 200	0-13

DRIVEWAYS

THE CONTRACTOR WILL NOT BE PERMITTED TO LEAVE A DIFFERENCE IN ELEVATION BETWEEN THE MAINLINE ASPHALT SURFACE COURSE AND THE EXISTING DRIVEWAYS. IF APPROVED BY THE ENGINEER, AN ASPHALT WEDGE WITH A MINIMUM WIDTH OF 10’ MAY BE PLACED EITHER ON THE ROADWAY SHOULDER OR DRIVEWAY DEPENDENT UPON WHICH SIDE IS HIGH. A QUANTITY OF MAINLINE SURFACE COURSE ASPHALT HAS BEEN PROVIDED IN THE CALCULATIONS AND GENERAL SUMMARY TO PERFORM THIS ITEM OF WORK.

IN THE EVENT THAT THE ENGINEER DETERMINES ADDITIONAL WORK IS NECESSARY TO PROPERLY ADDRESS FIELD CONDITIONS, AN ITEM FOR WEARING COURSE REMOVED HAS BEEN PROVIDED. THE REMOVAL DEPTH IS DEPENDENT UPON THE ELEVATION DIFFERENCE AND ALLOW FOR 1”-2” OF COMPACTED ASPHALT MATERIAL TO BE PLACED.

LINEAR GRADING

SHOULDER WIDTH BEYOND THE LIMITS OF THE COMPACTED AGGREGATE WILL BE GRADED TO PROVIDE POSITIVE DRAINAGE AND WILL BE PERFORMED ONLY IN THE AREAS NECESSARY. THIS WORK WILL NOT BE PERFORMED ON THE ENTIRE PROJECT. THE AREAS FOR THE WORK WILL BE MARKED BY THE PROJECT ENGINEER. UNDER NO CIRCUMSTANCES WILL THIS WORK BE PERFORMED CONCURRENTLY WITH ANY OTHER OPERATION.

GRADING WILL BE ACCOMPLISHED BY THE REMOVAL OF, OR ADDITION OF MATERIAL TO PROVIDE A 0.08 POSITIVE SLOPE. EXCESS MATERIAL WILL BE WINDROWED ON THE SHOULDER. THE GRADED AREAS WILL BE COMPACTED TO A SUFFICIENT DENSITY TO PREVENT EROSION UNTIL SEEDING AND MULCHING IS PERFORMED. ALL EXCESS MATERIAL WILL BE REMOVED FROM THE BERMS AND WILL BE DISPOSED OF OFF THE PROJECT BY THE CONTRACTOR.

SEEDING AND MULCHING, FERTILIZER AND LIME WILL BE PERFORMED WITHIN A PERIOD NOT TO EXCEED 10 DAYS AFTER THE LINEAR GRADING.

THE QUANTITY OF ITEM 209 IS NOT PERMITTED TO BE INCREASED. REDUCTIONS IN QUANTITIES ARE PERMITTED AS DETERMINED BY THE PROJECT ENGINEER.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK WILL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT BID ITEM. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:
209, LINEAR GRADING, 402 STA.
659, SEEDING AND MULCHING, 22,335 SQ YD
659, COMMERCIAL FERTILIZER, 3.01 TON
659, LIME, 4.62 ACRES
659, WATER, 121 M. GAL.

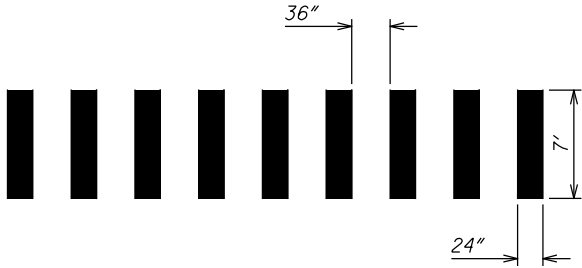
ITEM 611, CATCH BASIN RECONSTRUCTED TO GRADE

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY AND IS TO BE USED AS DIRECTED BY THE ENGINEER TO RECONSTRUCT THE EXISTING CATCH BASIN TO GRADE AT THE SW CORNER OF THE INTERSECTION OF SR 700 AND HINSDALE ST.

202, CURB REMOVED, 22 FT
611, CATCH BASIN RECONSTRUCTED TO GRADE, 1 EACH

CROSSWALK LINE, AS PER PLAN

CROSSWALKS SHALL BE INSTALLED AS PER OMUTCD 3B.18 USING THE BELOW DIMENSIONS. SPACE LINES TO AVOID WHEEL PATH.



ITEM 606 – ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING’S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER’S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

DRAINAGE AT DRIVEWAY (10964 OHIO 700)

MILL AND FILL THE DRIVEWAY AT 10964 OHIO 700, GARRETTSVILLE, OHIO TO THE RIGHT-OF-WAY LIMITS (30’ FROM CENTERLINE). FINAL GRADING SHALL CREATE FLOW TO THE DITCH LINES AT THE EDGES OF THE DRIVEWAY. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

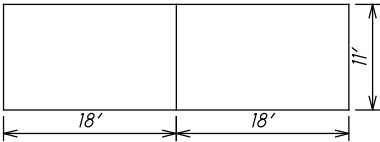
254, PAVEMENT PLANING, ASPHALT CONCRETE 36 SY
407, NON-TRACKING TACK COAT, 3 GAL
441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN (PG70-22M), 2 CY

BARRIER REFLECTORS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS DIRECTED BY THE ENGINEER FOR INSTALLING/REPLACING BARRIER REFLECTORS ON ALL EXISTING BARRIER RUNS WITHIN THE PROJECT LIMITS.
202, REMOVAL MISC.: BARRIER REFLECTOR, 12 EACH
626, BARRIER REFLECTOR, TYPE 1, 37 EACH (BI-DIRECTIONAL)
626, BARRIER REFLECTOR, TYPE 2, 8 EACH (BI-DIRECTIONAL)

ITEM 644, ISLAND MARKING, AS PER PLAN

TWO PARKING SPACES AT SLM 5.44 SHALL BE INSTALLED USING BLUE PAINT AS PER OMUTCD 3A.05. THE DIMENSIONS BELOW SHALL BE USED TO FILL THE PARKING SPACES.



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ENDANGERED SPECIES – STATE-THREATENED SPOTTED TURTLE (CLEMMYS GUTTATA)

SUITABLE HABITAT FOR THE SPOTTED TURTLE HAS BEEN IDENTIFIED AT BRIDGE STRUCTURE NO. POR-700-0337 (SFN: 6704883) SPANNING EAGLE CREEK. IF ENCOUNTERED, NO PERSON SHALL HARM OR KILL TURTLES. IF A SPOTTED TURTLE IS ENCOUNTERED, CONSTRUCTION OPERATIONS AT THE WORK AREA SHALL TEMPORARILY CEASE AND THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ODOT DISTRICT ENVIRONMENTAL SECTION (330-786-4930 OR 330-786-4931). CONSTRUCTION OPERATIONS CAN RESUME ONLY AFTER THE TURTLE IS REMOVED FROM THE CONSTRUCTION FOOTPRINT AREA. THE SPOTTED TURTLE IS A SMALL (LESS THAN SIX INCHES) BLACK TURTLE WITH DISTINCTIVE YELLOW SPOTS ON THE CARAPACE (TOP OF SHELL). THE HEAD OF THE SPOTTED TURTLE IS OFTEN ADORNED WITH REDDISH-ORANGE TO YELLOW BLOTHCES ON THE SIDES AND CHIN. THE FOREARMS MAY ALSO BE BRIGHT ORANGE.

THE CONTRACTOR SHALL SEARCH THE CONSTRUCTION FOOTPRINT AREA DAILY PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES WITHIN THE LIMITS AND ADJACENT AREA, INCLUDING ANY NECESSARY CLEARING AND GRUBBING ACTIVITIES TO ENSURE NO TURTLES, SNAKES OR OTHER WILDLIFE ARE PRESENT WITHIN THE CONSTRUCTION FOOTPRINT. THE CONSTRUCTION CREW SHALL BE MADE AWARE OF THE POTENTIAL PRESENCE OF THE SPOTTED TURTLE. CONSTRUCTION FENCE AND PERIMETER FILTER FABRIC FENCE HAS BEEN INCLUDED IN THE CONSTRUCTION PLAN GENERAL SUMMARY. THE CONSTRUCTION FENCE AND PERIMETER FILTER FABRIC FENCE HAS BEEN INCLUDED IN THE CONSTRUCTION PLAN GENERAL SUMMARY. THE CONSTRUCTION FENCE AND PERIMETER FILTER FABRIC FENCE SHALL BE INSTALLED ALONG THE PROPOSED CONSTRUCTION LIMITS BY THE CONTRACTOR PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES WITHIN THE LIMITS AND ADJACENT AREA, INCLUDING ANY NECESSARY CLEARING AND GRUBBING ACTIVITIES. THE CONTRACTOR SHALL TRENCH AND BURY PART OF THE CONSTRUCTION FENCE AND THE PERIMETER FILTER FABRIC FENCE UNDERGROUND TO PREVENT TURTLES, SNAKES AND OTHER WILDLIFE FROM ENTERING THE CONSTRUCTION LIMITS.

WRITTEN DOCUMENTATION OF DAILY SEARCH EFFORTS TO FULFILL THIS ENVIRONMENTAL COMMITMENT SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER ON A BI-WEEKLY BASIS DURING ACTIVE PROJECT CONSTRUCTION FOR USE BY THE ENGINEER TO UPDATE THE ENVIRONMENTAL COMMITMENTS TAB OF THE ENVIRONET SYSTEM PROJECT FILE, AS APPROPRIATE. THIS WRITTEN DOCUMENTATION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ACTIVITY DESCRIPTION, THE NAME, TITLE AND EMPLOYER OF THE PERSON OR PERSONS WHO PERFORMED THE ACTIVITY, THE DATE AND TIME OF THE PERFORMED ACTIVITY, THE RESULTS OF THE PERFORMED ACTIVITY AND ANY SUBSEQUENT ACTIONS GENERATED IN RESPONSE TO THE RESULTS OF THE PERFORMED ACTIVITY.

INTERSECTIONS

SR 700 SLM 0.00 TO SLM 4.54 AND SR 700 SLM 5.82 TO SLM 7.89:

INTERSECTIONS WILL BE RESURFACED 10 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN.

SR 700 SLM 5.26 TO SLM 5.82:

THE INTERSECTION AT HINSDALE ST WILL BE RESURFACED 20 FT. BEYOND THE WEST SIDE OF THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN. THE INTERSECTION AT WINROCK RD WILL BE RESURFACED 20 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN.

INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE. A BUTT JOINT, AS PER STANDARD CONSTRUCTION DRAWING BP-3.1, SHALL BE USED TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT UNLESS SHOWN OTHERWISE ON THE ASPHALT CONCRETE CALCULATIONS SHEET. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE PERTINENT BID ITEM.

SR 700 PEDESTRIAN WARNING SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR INSTALLATION/REMOVAL OF SIGNS AT THE FOLLOWING LOCATIONS.

SR 700 SLM 5.28

REMOVE SIGNS:
W16-4P FROM POST WITH R2-1

REMOVE AND REERECT SIGNS:
M1-5-3 AND M3-1 FROM POST TO UTILITY POLE

INSTALL SIGNS:
W11-2-30 AND W16-4P-30 ON POST FROM OLD M1-5-3 AND M3-1 (1 - 30”X30”, 1 - 24”X30”)

630, REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL, 1 EACH
630, REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, 2 EACH
630, SIGN, FLAT SHEET, 11.3 SF

SR 700 SLM 5.59

REMOVE SIGNS:
W11-2 FROM POST

INSTALL SIGNS:
W11-2-30 AND W16-4P-30 ON UTILITY POLE ON EAST SIDE
W11-2-30 AND W16-4P-30 ON POST FROM OLD W11-2-30 (2 - 30”X30”, 2 - 24”X30”)

630, REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL, 1 EACH
630, SIGN, FLAT SHEET, 22.5 SF

ENDANGERED SPECIES – STAGE-ENDANGERED EASTERN MASSASAUGA RATTLESNAKE (SISTRURUS CATENATUS)

THE PROJECT IS WITHIN THE RANGE OF THE EASTERN MASSASAUGA RATTLESNAKE (SISTRURUS CATENATUS) A STATE ENDANGERED AND FEDERAL THREATENED SPECIES. HABITAT FOR THIS SPECIES IS PRESENT AT THE POR-700-0337 (SFN 6704883) BRIDGE LOCATION. IF EASTERN MASSASAUGA RATTLESNAKE ARE ENCOUNTERED IN THE POR-700-0337 BRIDGE WORK AREA DURING CONSTRUCTION, NO PERSON SHALL HARM OR KILL THE SNAKES OR ATTEMPT TO HANDLE THE EASTERN MASSASAUGA RATTLESNAKE. ALL CONSTRUCTION OPERATIONS AT THE POR-700-0337 BRIDGE WORK AREA SHALL TEMPORARILY CEASE AND ODOT OFFICE OF ENVIRONMENTAL SERVICES ECOLOGICAL SECTION (614-466-7100) AND THE OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF WILDLIFE (614-265-6300) SHALL BE IMMEDIATELY CONTACTED.

TREE CUTTING/REMOVAL PROHIBITED – POR-700-0337 BRIDGE

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. TREE TRIMMING IS PERMITTED FOR THIS PROJECT AS DIRECTED BY THE PROJECT ENGINEER. HOWEVER, UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT/REMOVE ANY TREES AT THE POR-700-0337 (SFN 6704883) BRIDGE LOCATION. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACT TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

HIRAM CHRISTIAN CHURCH – HISTORIC PROPERTY

THE HIRAM CHRISTIAN CHURCH LOCATED AT 6868 WAKEFIELD ROAD (OHI# POR0012703), IS ELIGIBLE FOR INCLUSION ON THE NATIONAL REGISTER OF HISTORIC PLACES. THE HISTORIC HIRAM CHRISTIAN CHURCH PROPERTY IS LOCATED IN THE SOUTHWEST QUADRANT OF THE STATE ROUTE 700 (GARFIELD ROAD)/STATE ROUTE 305 (WAKEFIELD ROAD) INTERSECTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR IMPACT THE HIRAM CHRISTIAN CHURCH PROPERTY BEYOND THE EXISTING PAVEMENT AND CURB RAMP LIMITS AS INDICATED IN THE CONSTRUCTION PLAN.

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MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. A MINIMUM OF ONE TEN FOOT BI-DIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.

2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.

3. ALL FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SHALL BE COMPLETED THE SAME DAY THE EXCAVATION IS MADE. IF THE CONTRACTOR CANNOT COMPLETE THE WORK, THE EXCAVATION SHALL BE BACKFILLED OR PROTECTED AS PER STANDARD CONSTRUCTION DRAWING MT-101.90.

4. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS TWO (2) MILES.

5. ONLY DURING OFF-PEAK PERIODS (ie ANY PERIOD OTHER THAN 6-8AM AND 3-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.

6. IN ADDITION TO THE REQUIREMENTS OF 614.11 WORK ZONE PAVEMENT MARKINGS, AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACEMENT OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.

7. A QUANTITY OF 10 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.

8. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

9. THE CONTRACTOR SHALL PLACE THE SIGNS: W8-1 [BUMP] PER OMUTCD 2C.28; W8-11 [UNEVEN LANES] PER OMUCTD 6F.45; AND W6-3 [TWO-WAY TRAFFIC] PER OMUTCD 6F.32. PAYMENT FOR THESE SIGNS SHALL BE INCIDENTAL TO THE LUMP SUM ITEM 614-MAINTAINING TRAFFIC. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGNS HAS BEEN INCLUDED IN THE PLANS PER CMS 614.04.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAINTENANCE OF TRAFFIC ON THIS PROJECT:

PHASE I - PLANED SURFACE (SR 305 SLM 0.00 TO 0.48)
614, WORK ZONE CENTER LINE, CLASS I, 0.96 MILE
614, WORK ZONE STOP LINE, CLASS I, 15 FT
614, WORK ZONE MARKING SIGN, (ALL PHASES) 24 EACH

PHASE I - PLANED SURFACE (SR 700 SLM 0.00 TO 4.54)
614, WORK ZONE CENTER LINE, CLASS I, 9.08 MILE
614, WORK ZONE STOP LINE, CLASS I, 111 FT

PHASE I - PLANED SURFACE (SR 700 SLM 5.26 TO 5.82)
614, WORK ZONE CENTER LINE, CLASS I, 0.56 MILE
614, WORK ZONE STOP LINE, CLASS I, 13 FT

PHASE I - INTERMEDIATE COURSE (SR 700 SLM 5.82 TO 7.89)
614, WORK ZONE CENTER LINE, CLASS I, 2.07 MILE

PHASE II - SURFACE COURSE (SR 305 SLM 0.00 TO 0.48)
614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT 0.96 MILE
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 15 FT

PHASE II - SURFACE COURSE (SR 700 SLM 0.00 TO 4.54)
614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT 9.08 MILE
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 111 FT

PHASE II - INTERMEDIATE COURSE (SR 700 SLM 5.26 TO 5.82)
614, WORK ZONE CENTER LINE, CLASS I, 0.56 MILE
614, WORK ZONE STOP LINE, CLASS I, 13 FT

PHASE II - SURFACE COURSE (SR 700 SLM 5.82 TO 7.89)
614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT 2.07 MILE

PHASE III - SURFACE COURSE (SR 700 SLM 5.26 TO 5.82)
614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT 0.56 MILE
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 13 FT

TO BE USED AS DIRECTED BY THE ENGINEER
614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT 31.33 MILE

DETOUR NOTIFICATION [ODOT / PORTAGE COUNTY ENGINEER'S]

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148) AND PORTAGE COUNTY ENGINEER'S OFFICE (330-296-6411) EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING
HIRAM COLLEGE COMMENCEMENT (MAY 12, 2018)	

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$3000 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

ITEM 614, MAINTAINING TRAFFIC (TIME LIMITATION ON A DETOUR) (POR-700-0337)

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 3 CONSECUTIVE CALENDAR DAYS (9 PM FRIDAY - 6 AM MONDAY), WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS 9-10 TO COMPLETE THE ASPHALT OVERLAY ON STRUCTURE POR-700-0337. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$2000 FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO OFFICE OF COMMUNICATIONS
RAMP & RAMP CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERNS CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

TIME LIMITATION, TRAFFIC ON A MILLED SURFACE

THE MAXIMUM ALLOWABLE TIME FOR TRAFFIC TO BE PLACED ON A MILLED SURFACE SHALL BE 7 CONSECUTIVE CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$3000 PER DAY THAT THE TRAFFIC IS PLACED ON A MILLED SURFACE BEYOND THE SPECIFIED LIMT.

INTERIM START DATE

THE CONTRACTOR WILL NOT BEGIN WORK AT STRUCTURE POR-700-0337 PRIOR TO JUNE 1, 2018.

PEDESTRIAN TRAFFIC

CURB RAMP / DETECTABLE WARNING WORK SHALL BE COMPLETED SO AS TO MAINTAIN PEDESTRIAN ACCESS ON WEEKENDS (FRI-MON) AND DURING THE FOLLOWING DESIGNATED EVENTS:
HIRAM COLLEGE COMMENCEMENT (MAY 12, 2018)

PROPOSED SIDEWALK WORK NOTIFICATION

THE CONTRACTOR SHALL NOTIFY DEXTER ODOM (330-569-5128) AND ED FRATO-SWEENEY (330-569-5239), OF HIRAM COLLEGE, AT LEAST THIRTY (30) DAYS IN ADVANCE OF BEGINNING PROPOSED SIDEWALK WORK AT THE INTERSECTION OF SR 700 AND HINSDALE ST.

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ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS (W20-H13),SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
ROAD & RAMP	>= 2WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURE	<12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

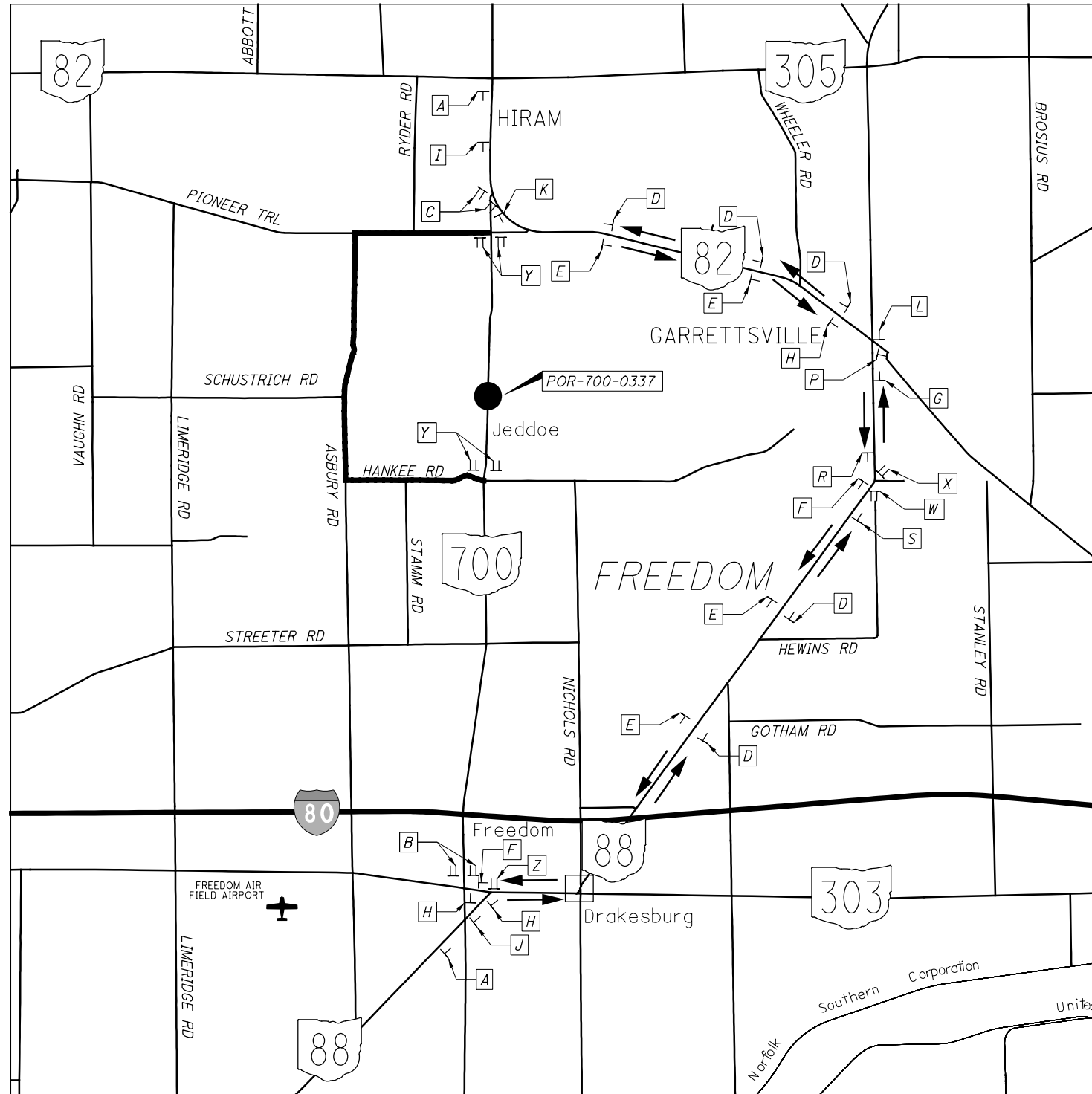
SR 700 WILL BE
CLOSED
FOR DAYS
INFO: 330-786-2208

W20-H13-60

TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

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DETOUR ROUTE FOR: POR-700-0337

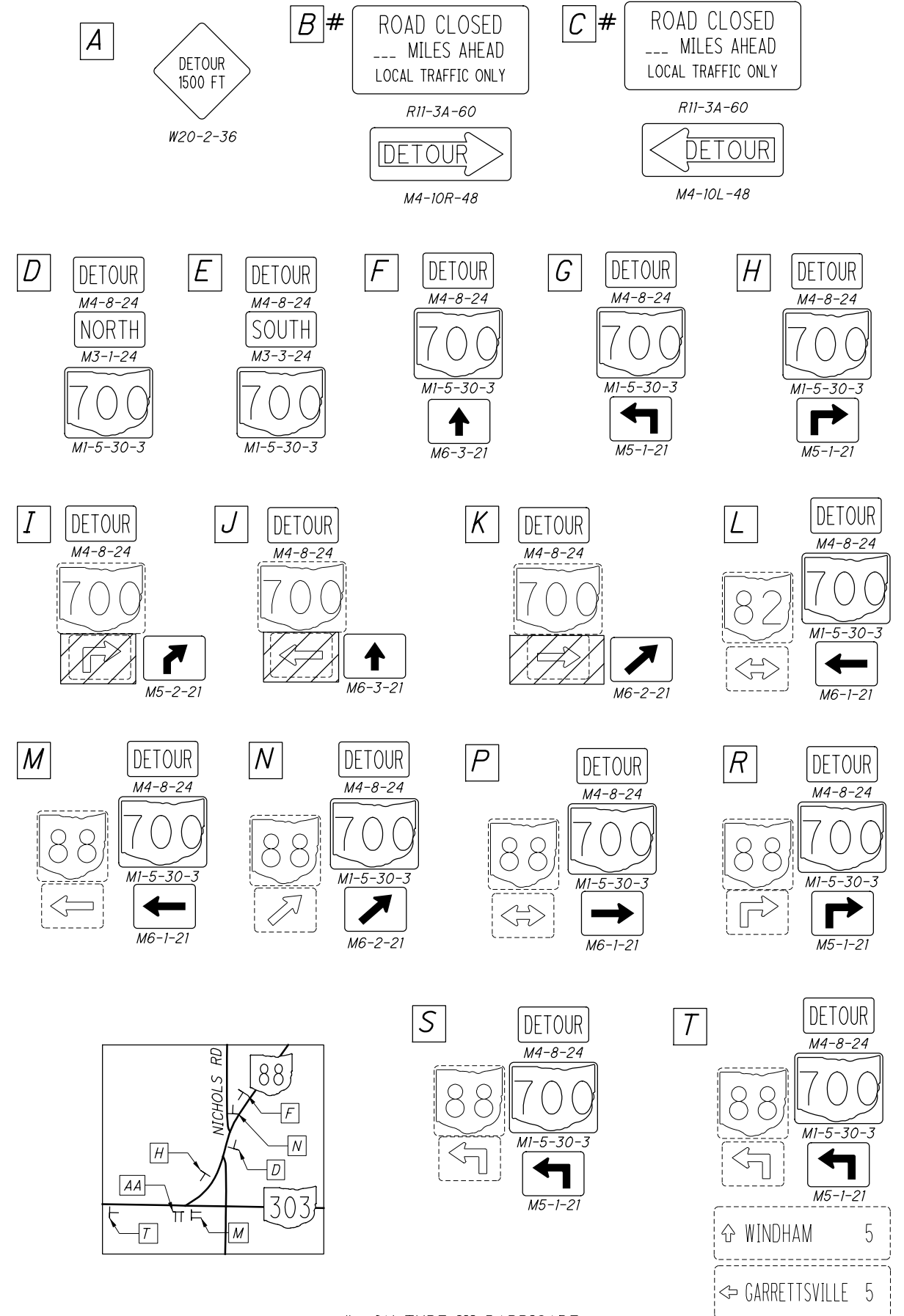
- OFFICIAL DETOUR ROUTE: SR 303 / SR 88 / SR 82
- CLOSED AS PER SCD MT-101.60
- LOCAL DETOUR ROUTE: HANKEE RD / ASBURY RD / PIONEER TRAIL
- COVER SIGN



NOT TO SCALE

NOTE:

REFER TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, FIGURE 6H-8 (TYPICAL APPLICATION 8) FOR SIGN SPACING.



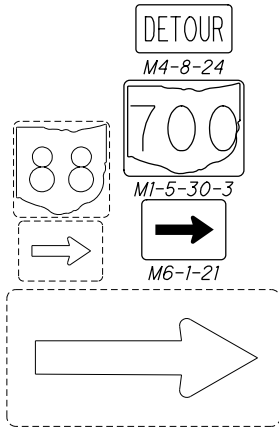
DETOUR PLAN FOR POR-700-0337

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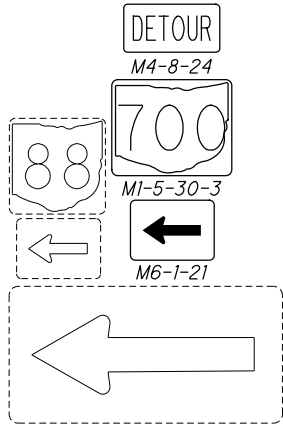
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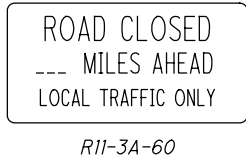
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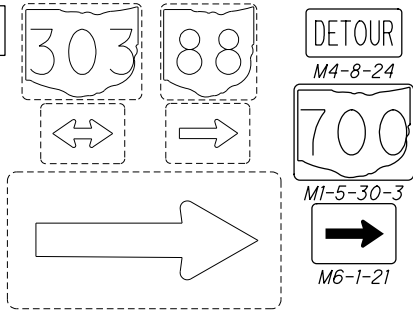
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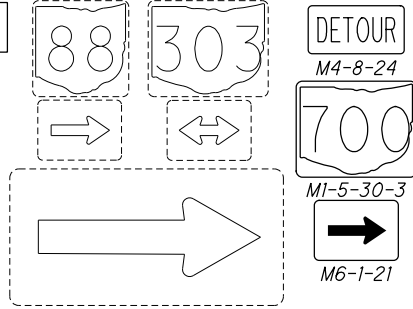
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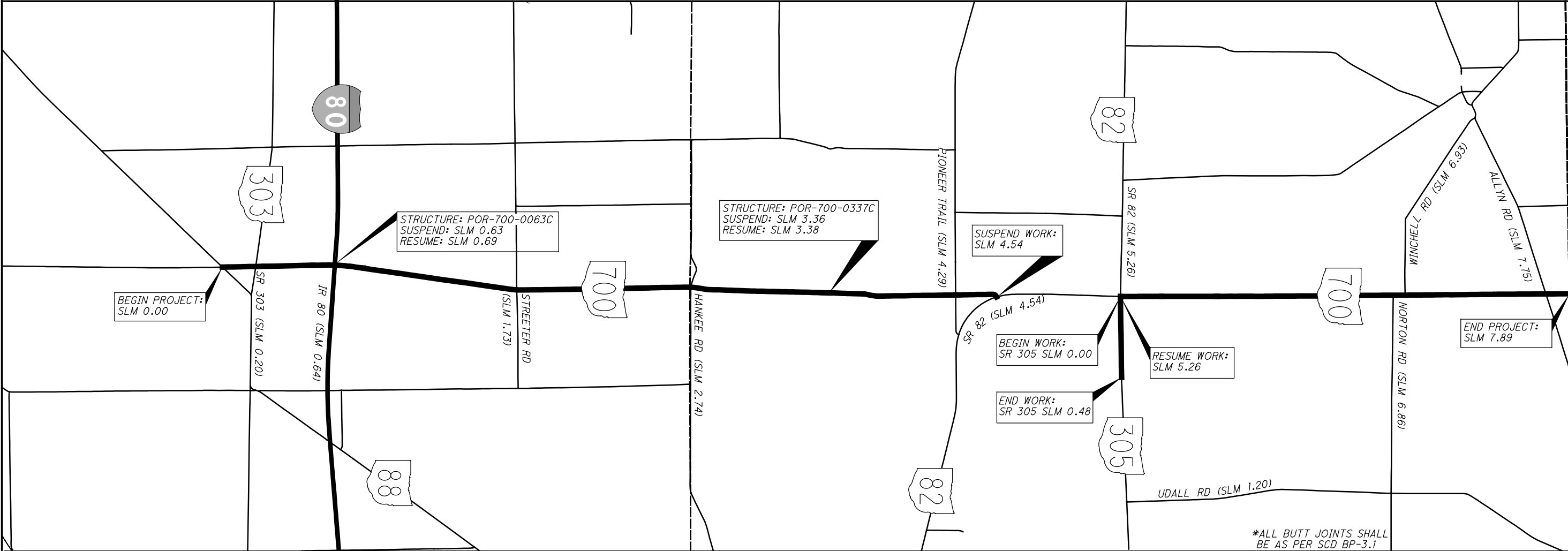
SHEET NUM.											PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	14	15	16	17	21	23	24	01/STR/P V	02/S<2/P V	04/MPO/O T/Hram		EXT	TOTAL			
					44	360		190			38	6		202	23500	44	SY	ROADWAY	
						25		39					550	202	30000	550	SF	WEARING COURSE REMOVED	
		22				29							86	202	32000	86	FT	WALK REMOVED	
							475						29	202	32500	29	FT	CURB REMOVED	
											475			202	38000	475	FT	CURB AND GUTTER REMOVED	
																		GUARDRAIL REMOVED	
		12									11	1		202	98100	12	EACH	REMOVAL MISC.: BARRIER REFLECTOR	6
								13					13	203	10000	13	CY	EXCAVATION	
		402									384	18		209	60200	402	STA	LINEAR GRADING	
737											702	35		209	72001	737	STA	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	4
							200				200			606	13000	200	FT	GUARDRAIL, TYPE 5	
							75				75			606	15050	75	FT	GUARDRAIL, TYPE MGS	
							4				4			606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
							4				4			606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
						40		77					117	608	10000	117	SF	4" CONCRETE WALK	
						320		227					547	608	52000	547	SF	CURB RAMP	
	8										7	1		623	39500	8	EACH	MONUMENT BOX ADJUSTED TO GRADE	
		3									3			SPECIAL	69050100	3	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	6
		1									1			SPECIAL	69050200	1	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE	6
																		EROSION CONTROL	
								2					2	659	00300	2	CY	TOPSOIL	
		22,335						16			21,335	1,000	16	659	10000	22,351	SY	SEEDING AND MULCHING	
								1					1	659	14000	1	SY	REPAIR SEEDING AND MULCHING	
		3.01						0.01			2.88	0.13	0.01	659	20000	3.02	TON	COMMERCIAL FERTILIZER	
		4.62						0.01			4.41	0.21	0.01	659	31000	4.63	ACRE	LIME	
		121						1			115	6	1	659	35000	122	MGAL	WATER	
											3,000			832	30000	3,000	EACH	EROSION CONTROL	
																		DRAINAGE	
	6											6		611	98630	6	EACH	CATCH BASIN ADJUSTED TO GRADE	
		1											1	611	98634	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	
	2											2		611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
																		PAVEMENT	
	7,900										7,000	900		251	01000	7,900	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
				63,290	3,482						66,772			254	01000	66,772	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 1")	
		36		10,230	249						2,745	7,770		254	01000	10,515	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 3")	
	3,500										3,000	500		254	01600	3,500	SY	PATCHING PLANED SURFACE	
		3		11,059	71						9,581	1,552		407	20000	11,133	GAL	NON-TRACKING TACK COAT	
				6,454							6,130	324		408	10001	6,454	GAL	PRIME COAT, AS PER PLAN	6
8				195	3							206		424	12001	206	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN	6
68		2		3,650	197						3,552	365		441	10101	3,917	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN (PG70-22M)	6
				878							878			441	50200	878	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
				498							132	366		441	50300	498	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
							10						10	609	12000	10	FT	COMBINATION CURB AND GUTTER, TYPE 2	
				897							852	45		617	10101	897	CY	COMPACTED AGGREGATE, AS PER PLAN(T = 2")	6
				7,005								7,005		897	01010	7,005	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 1")	
																		WATER WORK	
	13											13		638	10800	13	EACH	VALVE BOX ADJUSTED TO GRADE	
																		TRAFFIC CONTROL	
										535	535			621	00100	535	EACH	RPM	
										428	428			621	54000	428	EACH	RAISED PAVEMENT MARKER REMOVED	
		37									34	3		626	00102	37	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	
		8									8			626	00110	8	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	
								12					12	630	08510	12	FT	STREET NAME SIGN SUPPORT, NO. 2 POST	
				33.8								33.8		630	80100	33.8	SF	SIGN, FLAT SHEET	
				2								2		630	84900	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				2								2	1	630	85100	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
								1					1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
									15.11		13.86	1.25		644	00104	15.11	MILE	EDGE LINE, 6"	

GENERAL SUMMARY

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SLM RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA		254	254	407	407	408	424	441	441	441	617	897										
					FT	FT	SY	SY		PAVEMENT PLANING, ASPHALT CONCRETE (T = 1")	PAVEMENT PLANING, ASPHALT CONCRETE (T = 3")	NON-TRACKING TACK COAT @ 0.08 GAL/SY	NON-TRACKING TACK COAT @ 0.05 GAL/SY	PRIME COAT, AS PER PLAN @ 0.40 GAL/SY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN (T = 1")	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN (PG70-22M) (T = 1 1/4")	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (T = 1")	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) (T = 1 3/4")	COMPACTED AGGREGATE, AS PER PLAN(T = 2")	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 1")										
					FT	FT	SY	SY		SY	SY	GAL	GAL	GAL	CY	CY	CY	CY	CY	SY										
SR 305																														
0.00	TO	0.13	1		686.40	22.00	1677.87					134.23			46.61					1677.87										
0.13	TO	0.14	1		52.80	24.00	140.80					11.26		4.69	3.91				0.65	140.80										
0.14	TO	0.48	2		1795.20	26.00	5186.13					414.89		319.15	144.06				44.33	5186.13										
SR 700																														
0.00	TO	0.63	3		3326.40	24.00	8870.40			8870.40		709.63		591.36		308.00			82.13											
0.69	TO	2.97	3		12038.40	24.00	32102.40			32102.40		2568.19		2140.16		1114.67			297.24											
2.97	TO	3.11	3		739.20	30.00	2464.00			2464.00		197.12		131.41		85.56			18.25											
3.11	TO	3.36	3		1320.00	24.00	3520.00			3520.00		281.60		234.67		122.22			32.59											
3.38	TO	4.54	3		6124.80	24.00	16332.80			16332.80		1306.62		1088.85		567.11			151.23											
5.26	TO	5.51	4		1320.00	24.00	3520.00				3520.00	281.60	176.00			122.22		171.11												
5.51	TO	5.82	5		1636.80	22.00	4001.07				4001.07	320.09	200.05			138.93		194.50												
5.82	TO	7.89	6		10929.60	26.00	31574.40					2525.95	1578.72	1943.04		1096.33	877.07		269.87											
PARKING SPACES																														
5.26	TO	5.51	4		1320.00	VARIES		2708.00				2708.00	216.64	135.40			94.03		131.64											
SUBTOTALS									0.00	63289.60	10229.07	8967.83	2090.17	6453.33	194.58	3649.06	877.07	497.25	896.30	7004.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TOTALS CARRIED TO GENERAL SUMMARY									0	63290	10230	8968	2091	6454	195	3650	878	498	897	7005	0	0	0	0	0	0	0	0	0	0

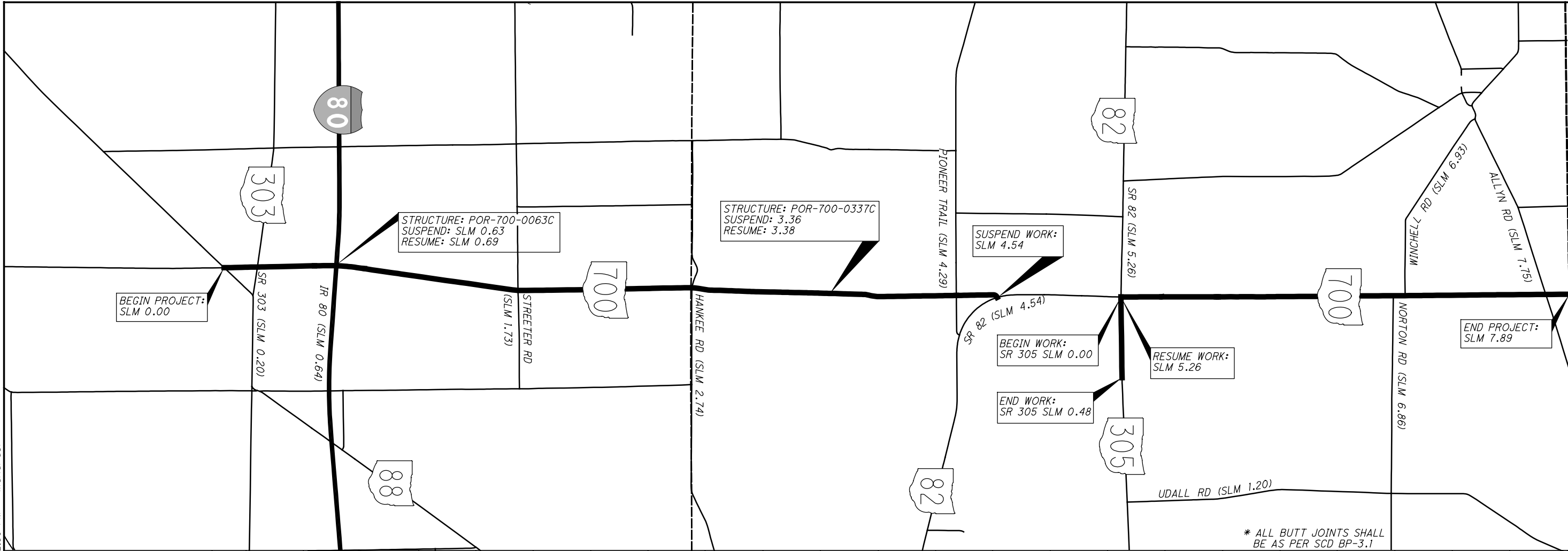
PAVEMENT CALCULATIONS

POR-305 / 700-0.00 / VAR

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SLM RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA		202	254	254	407	408	424	441	441	441	617	897							
										WEARING COURSE REMOVED	PAVEMENT PLANING, ASPHALT CONCRETE (T = 1")	PAVEMENT PLANING, ASPHALT CONCRETE (T= 3")	NON-TRACKING TACK COAT @ 0.05 GAL/SY	PRIME COAT, AS PER PLAN @ 0.40 GAL/SY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN (T = 1")	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (T = 1")	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) (T = 1 3/4")	COMPACTED AGGREGATE, AS PER PLAN(T = 2")	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 1")								
					FT	FT	SY	SY		SY	SY	SY	GAL	GAL	CY	CY	CY	CY	CY	SY							
SR 305																											
DRIVEWAYS																											
0.00	TO	0.48			2.00	VARIES				6.00					3.00												
SR 700																											
DRIVEWAYS																											
0.00	TO	4.54			2.00	VARIES				28.00						14.00											
5.82	TO	7.89			2.00	VARIES				10.00						5.00											
MAILBOX APPROACHES																											
0.00	TO	4.54						2590.00			2590.00					89.93											
5.82	TO	7.89						1110.00								38.54											
INTERSECTIONS																											
0.00	TO	4.54			23971.20	VARIES		891.11			891.11		44.56			30.94											
5.26	TO	5.82			2956.80	VARIES		248.89				248.89	12.44			8.64											
5.82	TO	7.89			10929.60	VARIES		263.33					13.17			9.14											
SUBTOTALS									0.00	44.00	3481.11	248.89	70.17	0.00	3.00	196.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTALS CARRIED TO GENERAL SUMMARY									0	44	3482	249	71	0	3	197	0	0	0	0	0	0	0	0	0	0	0

PAVEMENT CALCULATIONS

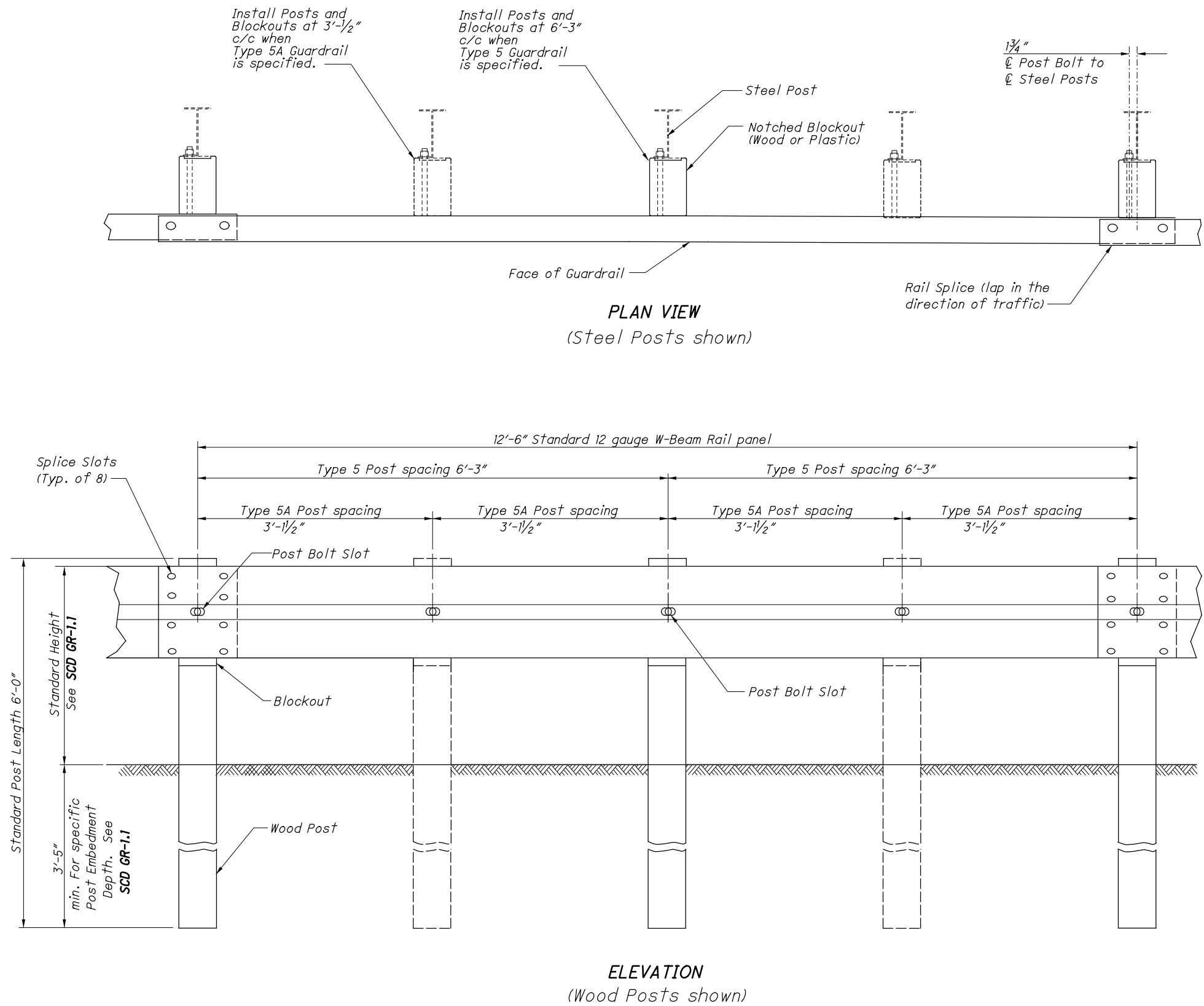
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NOTES

RAIL: Use W-Beam rail meeting AASHTO M 180 Type II Class A, as specified in CMS 606.

POSTS: Posts may be constructed of wood or steel. Wood posts may be round or 6"x8" square-sawed.

Use round wood posts on runs of single-sided rail. The round posts shall be 8"± in diameter at the top and not more than 3" larger at the butt with a uniform taper.

Fabricated wood posts with square ends. Posts shall be pressure-treated as per CMS 710.14. Bore bolt holes and, if required, trim the tops of posts after the posts are set.

Steel posts are to be W6x9 or W6x8.5 galvanized steel. Use the same type of post throughout the length of the project unless otherwise specified in the plans or permitted by the Engineer.

All posts are 6'-0" long unless specified otherwise in the Contract Document. Posts may be set in drilled holes or may be driven to grade.

WELDED BEAM POSTS: Welded beam guardrail posts may be used for Item 606, Guardrail, provided the web and flange sizes are as shown here. Welding of the web to the flanges must comply with ASTM A 769, Class 1, using Grade 36 steel [250 MPa yield point] with the following exceptions:

- Sec. 7.2 Test reports of tensile properties for each lot shall accompany each shipment.
- Sec. 12 Beams that have imperfections repaired by welding shall not be accepted for use in Item 606.
- Sec. 13 Random samples shall be tested by the Department from materials delivered to the project site, or other locations designated by the Laboratory.

ALTERNATE POSTS: Engineered guardrail posts having met NCHRP 350 criteria, and listed on the **Office of Materials Management's** Approved List are permitted as an equal alternate when installed according to the Manufacturer's instructions and within the limitations shown on the Approved List.

BLOCKOUTS: Blockout dimensions are dependent on post used. Wood Blockouts are to be pressure treated as specified in CMS 710.14. Bore bolt holes. Approved alternate blockouts may be used in lieu of the wood blockouts shown. The approved list is maintained by the **Office of Roadway Engineering**.

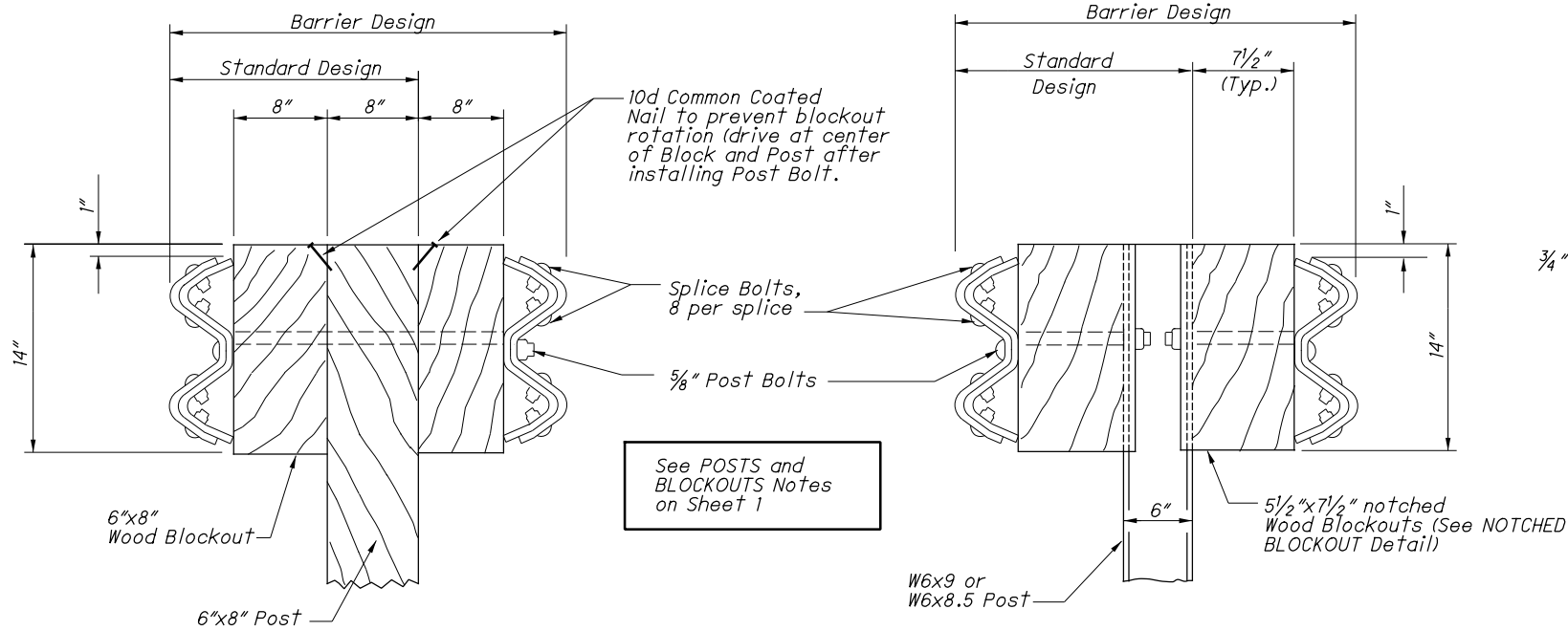
WASHERS: Install appropriate sized standard galvanized steel washers on the nut side of bolts installed on wood posts.

DELINEATION: For barrier reflectors, see CMS 626.

MISCELLANEOUS: For other guardrail details, see SCD GR-1.1.

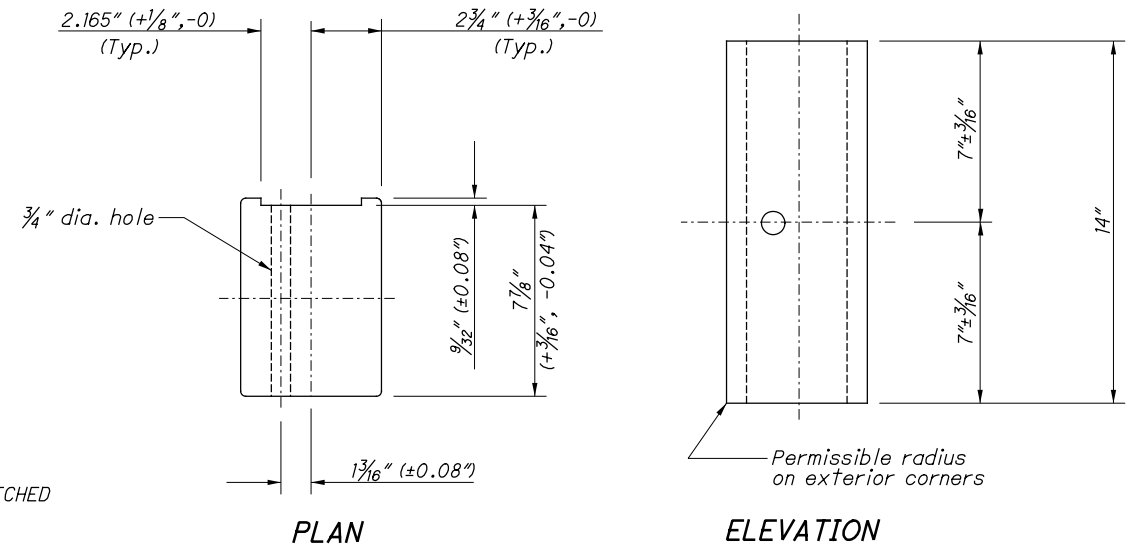
STEEL BEAM POSTS (English)				
Size	Beam depth	Flange width	Flange thickness	Web thickness
Rolled W6x8.5	5.8"	3.94"	0.193"	0.170"
Rolled W6x9	5.9"	3.94"	0.215"	0.170"
Welded 6x8.5	6.0"	3.94"	0.193"	0.170"
Welded 6x9	6.0"	3.94"	0.215"	0.170"

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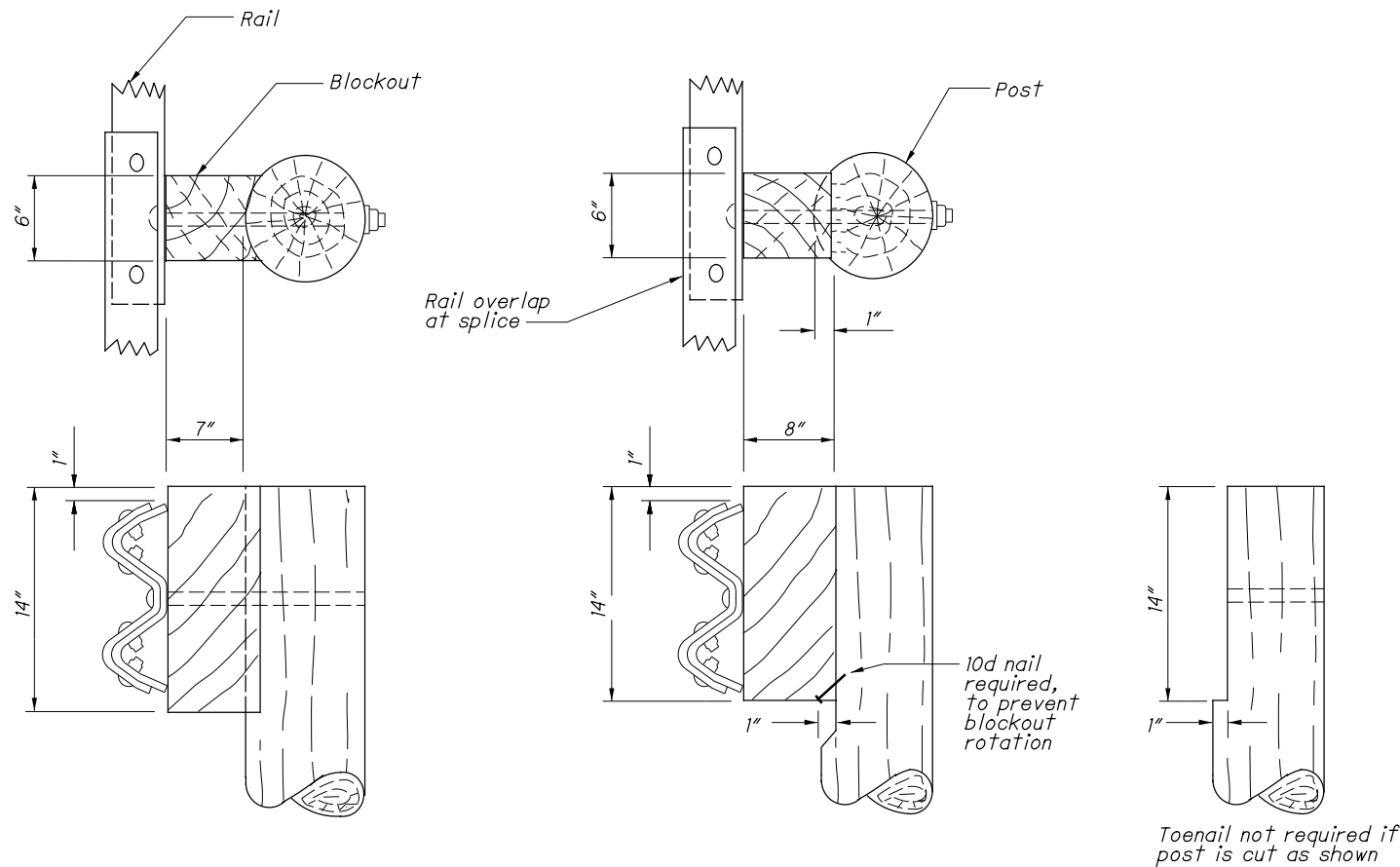


SQUARE WOOD POST

STEEL POST
See POSTS Note, Sheet 1



NOTCHED BLOCKOUTS FOR STEEL POSTS
See BLOCKOUTS Note on Sheet 1

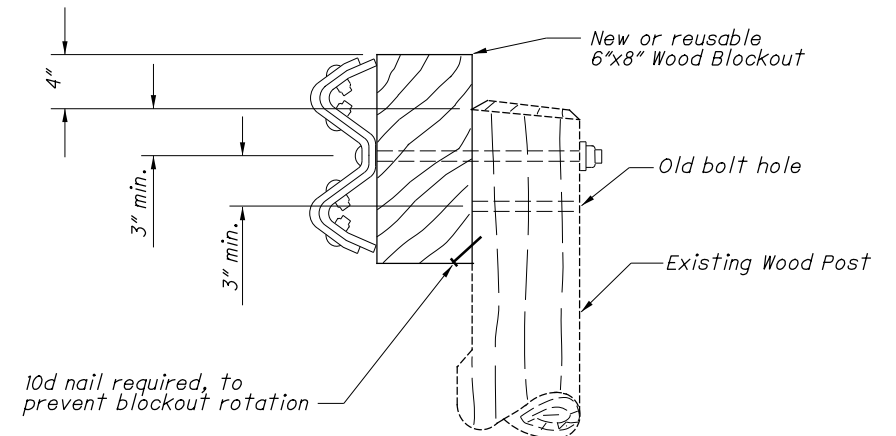


Method 1
Routed Blockout

Method 2
Notched Post

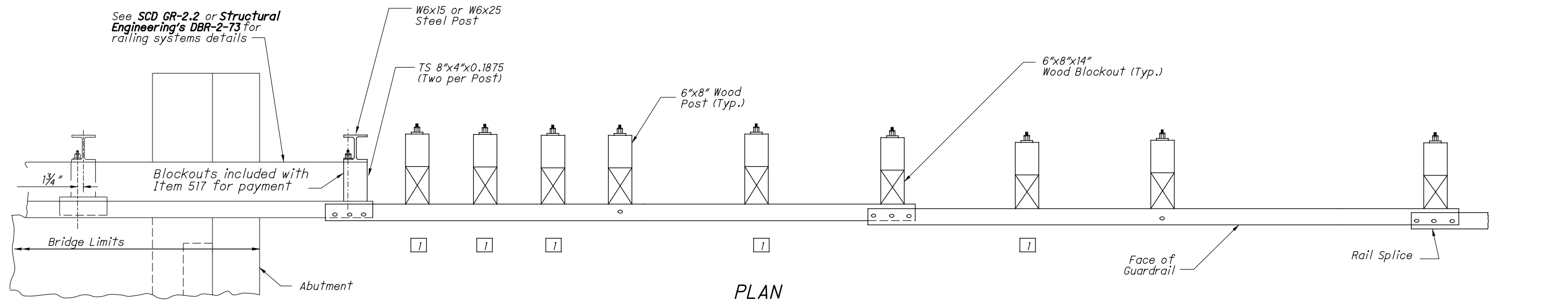
Alternate methods of placing the Blockouts on round Posts may be submitted for consideration and approved by the Engineer.

ROUND WOOD POSTS
Single Sided runs only (Standard Design)

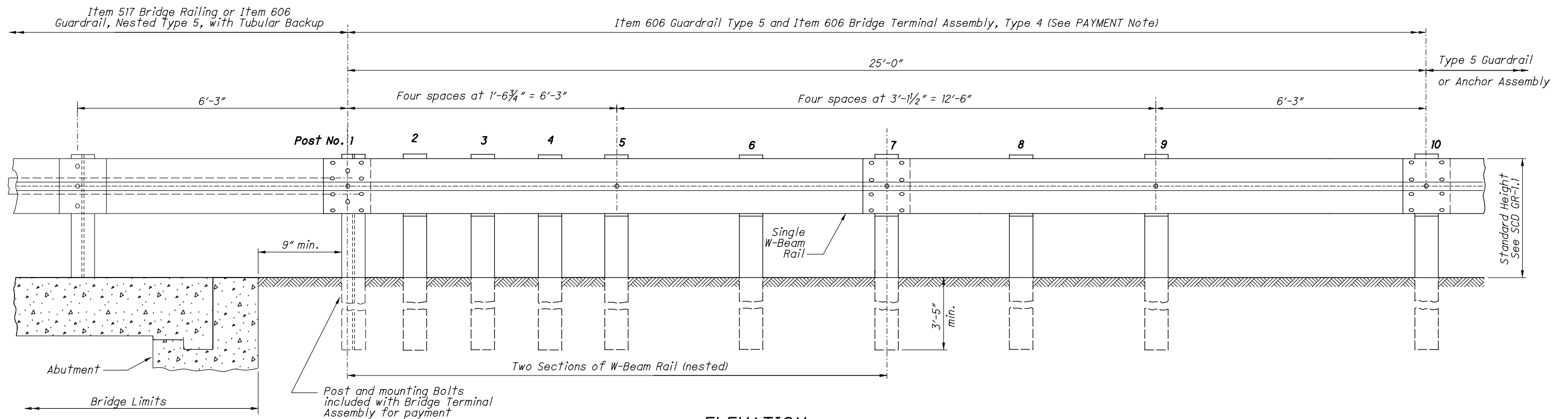


WOOD POSTS WITH WOOD BLOCK
RAISING EXISTING GUARDRAIL HEIGHT

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PLAN



ELEVATION

NOTES

GENERAL: For additional details, see **SCD GR-1.1**.

APPLICATION: The Type 4 Bridge Terminal Assembly shall connect Type 5 Guardrail runs to Type 5 Guardrail with Tubular Backup or to Deep Beam Bridge Guardrail (as shown on **Structural Engineering SCD DBR-2-73**).

DETAIL INFORMATION: The first post off the bridge shall be steel (W6x15 or W6x25). All holes in the off-structure end of the approach panel rail section spanning the abutment are slotted $\frac{1}{4}$ "x2 $\frac{1}{2}$ ". Tighten the bolts as specified for expansion joints in Item 606.05.

POSTS: Posts may be set in drilled holes or driven to grade. See **SCD GR-1.1** for additional Post embedment details. Guardrail is not attached to certain posts (see LEGEND).

WOOD POSTS - Use square sawed pressure treated wood as specified in CMS 710.14 and fabricated with square ends. Bore bolt holes and trim the tops of posts, if required after the posts are set.

STEEL POSTS - are allowed as an alternate. Use W6x9 or W6x8.5 in lieu of the 6"x8" wood post. Use same post material through-out assembly.

BLOCKOUTS: Use wood blockouts only. Steel or plastic blockouts are not permitted. Notched wood blockouts are used with steel posts.

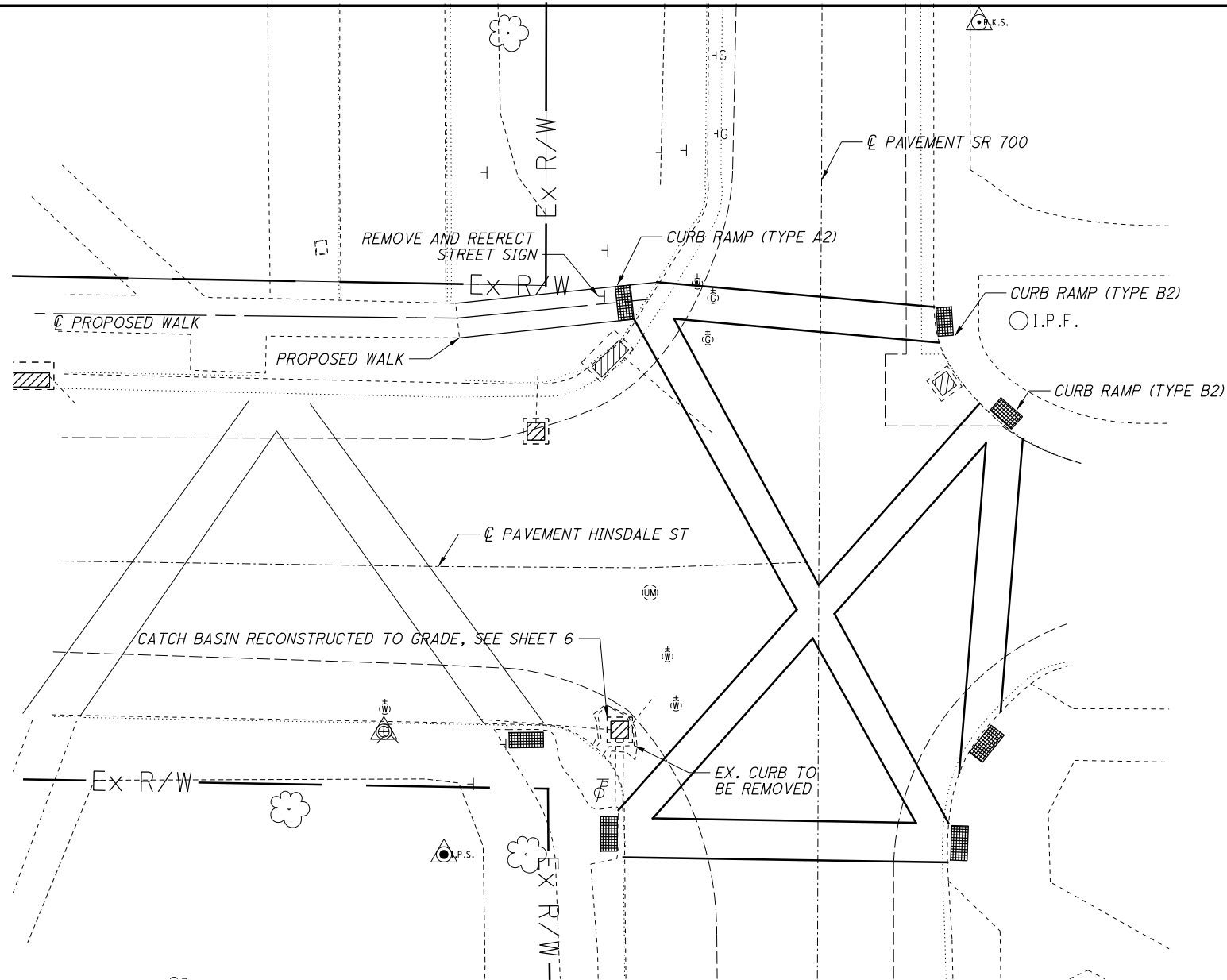
FLARED GUARDRAIL: Start Standard Guardrail Flares as shown on **SCD GR-5.1** at or beyond Post No. 10; however, the flare may begin at Post No. 7.

PAYMENT: Item 606 - Bridge Terminal Assembly, Type 4, Each, includes the cost of extra components in excess of normal guardrail, such as additional posts and other hardware. The TS 8"x4" spacers and tubular backup rail extending to the first post off the bridge is included with Item 517 - Railing, or Item 606 - Guardrail, Nested Type 5 with Tubular Backup, for payment.

LEGEND

[1] Guardrail is not attached to posts at Posts 2, 3, 4, 6, and 8. Blockout is fastened to post with standard Post Bolt.

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NOTES

1. FOR ADDITIONAL NOTES AND DETAILS, SEE SHEETS **2/3** THRU **3/3**.
2. FOR ELEVATIONS, SEE SHEET **3/3**.

NOTES:

SEEDING AND MULCHING

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

659, TOPSOIL 2 CU. YD.
659, SEEDING AND MULCHING 16 SQ. YD.
659, REPAIR SEEDING AND MULCHING 1 SQ. YD.
659, COMMERCIAL FERTILIZER 0.01 TON
659, LIME 0.01 ACRES
659, WATER 1 M. GAL.

EARTHWORK

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THE SIDEWALK AND CURB RAMP INSTALLATION

ITEM 203, EXCAVATION 13 CY

REMOVE AND REERECT STREET SIGN

THE SIGN INDICATED SHALL BE REMOVED AND REERECTED AS SHOWN ON SHEET 29. THE EXISTING SIGN WILL BE MOUNTED ON A NEW NO. 2 POST AND SHALL BE INSTALLED AS PER STANDARD CONSTRUCTION DRAWING TC-41.20, MOST CURRENT REVISION. THE POST WILL BE 12 FT IN LENGTH.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 630 - STREET NAME SIGN SUPPORT, NO. 2 POST, 12 FT
ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, 1 EACH
ITEM 630 - REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, 1 EACH

SIDEWALK AND CURB RAMPS

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO INSTALL CURB RAMPS AND SIDEWALK AT THE INTERSECTION OF SR 700 AND HINSDALE ST.

NORTHWESTERN CORNER (CURB RAMP TYPE A2)

ITEM 202, CURB REMOVED 6 FT
ITEM 608, CURB RAMP 37 SF
ITEM 608, 4" CONCRETE WALK 77 SF

NORTHEASTERN CORNER (CURB RAMP TYPE B2)

ITEM 202, CURB REMOVED 33 FT
ITEM 202, WALK REMOVED 190 SF
ITEM 608, CURB RAMP 190 SF



CALCULATED
HKS
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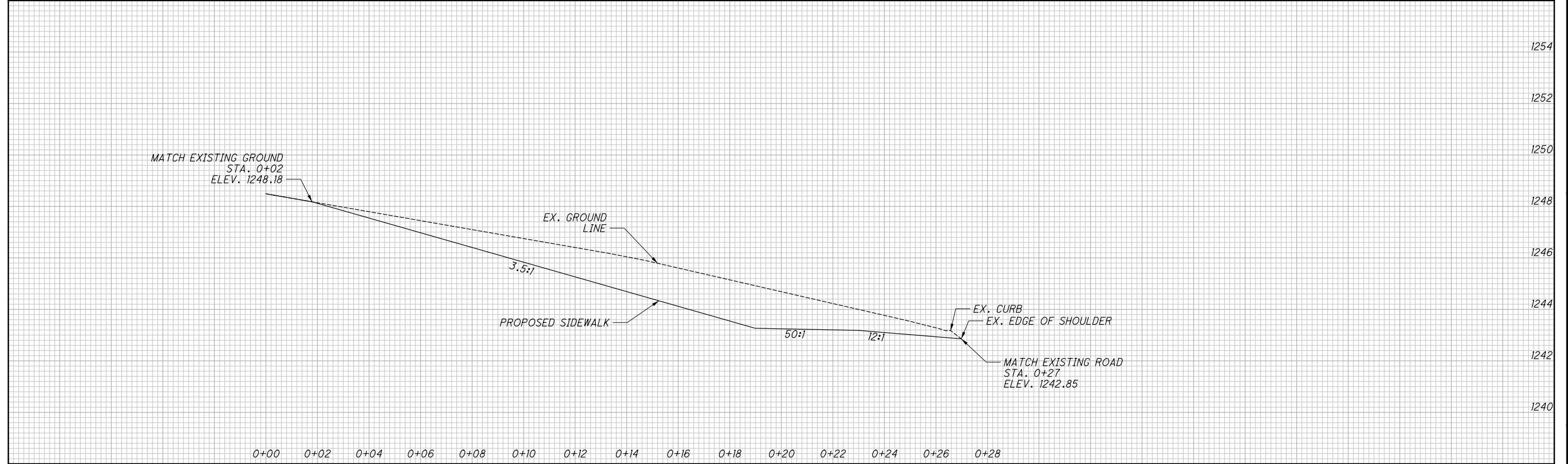
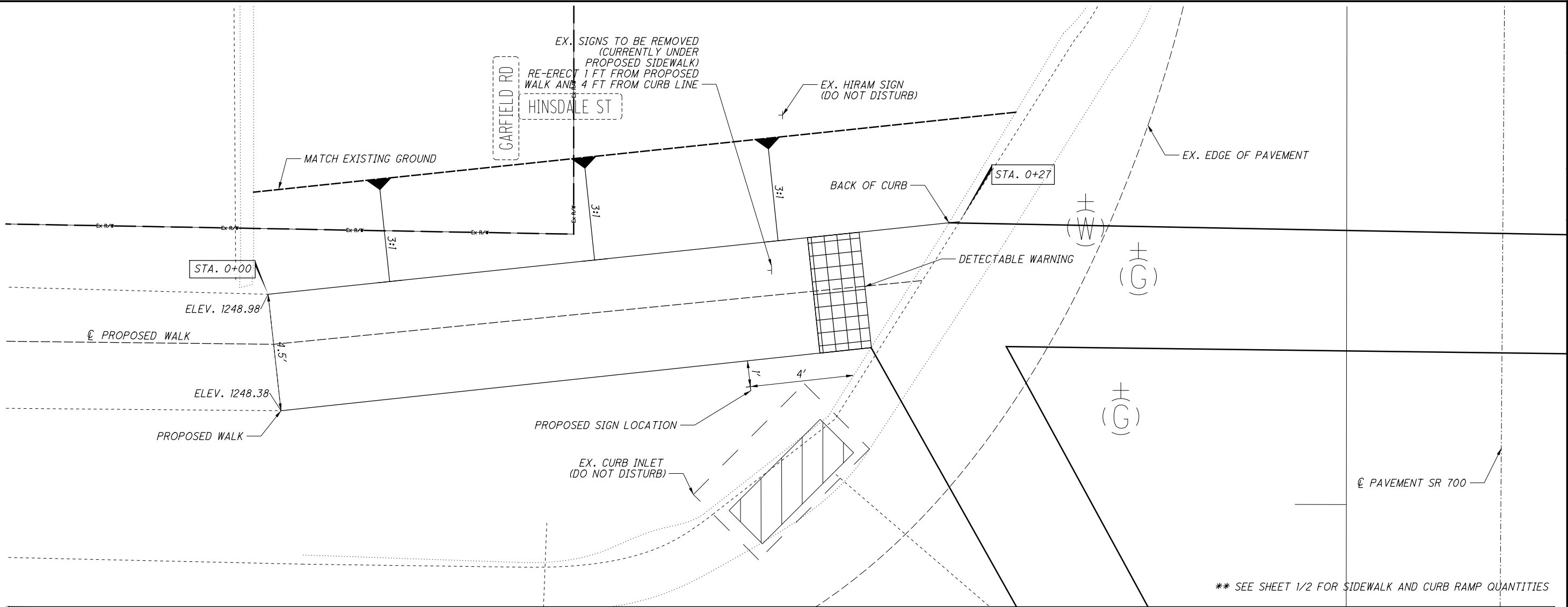
PLAN
PROPOSED SIDEWALK AND CURB RAMPS
HINSDALE ST AND S.R. 700

POR-305 / 700-
0.00 / VAR

1 / 2

21
27

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CALCULATED HKS	CHECKED RAS
PLAN AND PROFILE PROPOSED SIDEWALK AND CURB RAMP	
POR-305 / 700- 0.00 / VAR	
2 / 2	
<div>22 27</div>	



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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

DBR-2-73 REVISED 07/19/02

DBR-3-11 REVISED 7/15/11

AS-1-15 REVISED 07/17/15

DS-1-92 REVISED 07/18/03

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

846 DATED 4/17/2015

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 17TH EDITION, INCLUDING THE 2002 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2004.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND 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. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

PROPOSED WORK

POR-700-0337 (OVER EAGLE CREEK)

- REMOVE EXISTING WATERPROOFING AND ASPHALT CONCRETE OVERLAY ON THE BRIDGE DECK AND APPROACH SLABS
- PLACE NEW WATERPROOFING AND ASPHALT CONCRETE OVERLAY ON THE BRIDGE DECK AND APPROACH SLABS
- INSTALL NEW POLYMER MODIFIED EXPANSION JOINT AT BOTH ENDS OF THE STRUCTURE
- INSTALL DRIP STRIP
- REPAIR EXISTING BRIDGE RAILING
- REPAIR EROSION AT WING WALLS
- REPLACE EXISTING APPROACH GUARDRAIL
- CLEARING AND GRUBBING 25' AROUND THE STRUCTURE TO REMOVE ALL VEGETATION
- NEW CORRECT STRUCTURE IDENTIFICATION SIGNS

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

EROSION REPAIR

THIS WORK WILL CONSIST OF REPAIRING THE EROSION BEHIND THE WING WALLS OF STRUCTURE POR-700-0337 (SFN: 6704883). REPAIR WORK WILL BE PAID FOR BY THE FOLLOWING ITEMS.

ITEM 203, BORROW 2 CY

ITEM 601, DUMPED ROCK FILL, TYPE C 2 CY

ITEM 202 - WEARING COURSE REMOVED, AS PER PLAN

REMOVE ALL OF THE ASPHALT CONCRETE ON STRUCTURE POR-700-0337. THICKNESS VARIES WITH A MINIMUM THICKNESS OF 2 ½"±. MILLING OR OTHER MECHANICAL METHOD OF ASPHALT DECK REMOVAL MAY BE PERFORMED TO WITHIN ½"± OF THE TOP OF THE EXISTING PRESTRESSED CONCRETE BOX BEAMS. THE LAST ½"± OF ASPHALT CONCRETE TO BE REMOVED AND THE WATERPROOFING WILL BE REMOVED USING A NONDESTRUCTIVE METHOD SUCH AS HAND SCRAPING. THE CONTRACTOR WILL USE CAUTION IN REMOVING THE REMAINING ASPHALT AND WATERPROOFING TO ENSURE NO DAMAGE OCCURS TO THE PRESTRESSED CONCRETE BOX BEAMS. ANY DAMAGE TO THE BOX BEAMS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

THIS PROCEDURE SHALL BE PERFORMED TO THE ASPHALT CONCRETE WEARING SURFACE ON BOTH APPROACH SLABS WITHIN 2 FEET OF THE BRIDGE LIMITS. PAYMENT FOR THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM THIS ITEM. PAYMENT SHALL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD FOR ITEM 202 - WEARING COURSE REMOVED, AS PER PLAN.

CORRECTING BRIDGE IDENTIFICATION SIGN NUMBERS:

SOME OF THE EXISTING BRIDGE NUMBER SIGNS HAVE INCORRECT BRIDGE NUMBERS ON THEM. THE FOLLOWING BRIDGE NUMBERS ARE THE CORRECT ONES AND WILL BE USED ON THE NEW BRIDGE IDENTIFICATIONS SIGNS.

STRUCTURE POR-700-0337 (SFN: 6704883) THE EXISTING SIGN SHOWS 0336. THE CORRECT BRIDGE IDENTIFICATION NUMBER IS 0337.

OBJECT MARKERS AND STRUCTURE/CULVERT IDENTIFICATION SIGNS

OBJECT MARKERS WILL BE PLACED ON EACH APPROACH OFF THE LEFT AND RIGHT SHOULDER, FACING TRAFFIC, AND BEHIND THE GUARDRAIL IF APPLICABLE. ONE OM-3L AND ONE OM-3R WILL BE INSTALLED AT EACH APPROACH. THE SIGNS WILL BE MOUNTED ON NEW NO. 2 POSTS AND SHALL BE INSTALLED AS PER STANDARD CONSTRUCTION DRAWING TC-41.20, MOST CURRENT REVISION. EACH POST WILL BE 10.5 FT IN LENGTH.

STRUCTURE IDENTIFICATION SIGNS (I-H25b) WILL BE INSTALLED ON THE SAME POST AND DIRECTLY BELOW THE OBJECT MARKER OFF THE RIGHT SHOULDER ON EACH APPROACH. A QUANTITY OF ONE SIGN WILL BE INSTALLED AT EACH APPROACH. THE SIGNS WILL HAVE A NON-REFLECTIVE WHITE SHEETING BACKGROUND.

INSTALL SIGNS FOR THE FOLLOWING STRUCTURES:
POR-700-0337 (SFN: 6704883) [2 APPROACHES]

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED FOR EACH APPROACH:

- ITEM 630 - SIGN, FLAT SHEET, 730.20, 1 SQ FT
- ITEM 630 - SIGN, FLAT SHEET, 6 SQ FT
- ITEM 630 - GROUND MOUNTED SUPPORT, NO. 2 POST, 21 FT
- ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL, 3 EACH
- ITEM 630 - REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, 2 EACH

ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

ITEM 606, GUARDRAIL REBUILT, AS PER PLAN

THE DEEP BEAM RAILS ON STRUCTURE POR-700-0337 SHALL BE REMOVED AND REPLACED. ALL POSTS SHALL REMAIN IN PLACE. ALL MATERIALS REMOVAL COSTS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 606, GUARDRAIL REBUILT, AS PER PLAN

STRUCTURE POR-700-0337

ITEM 517, DEEP BEAM BRIDGE RETROFIT 112.5 FT.
ITEM 606, GUARDRAIL REBUILT, AS PER PLAN 112.5 FT.

WETLANDS AVOIDANCE

HIGH QUALITY CATEGORY 3 WETLANDS ARE PRESENT AT THE POR-700-0337 BRIDGE LOCATION. WETLANDS ARE PRESENT IN ALL FOUR QUADRANTS OF THE BRIDGE AND BEGIN AT THE EXISTING ROADWAY EMBANKMENT TOE-OF-SLOPE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR IMPACT THE WETLAND AREAS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT AND/OR MATERIALS WITHIN WETLAND AREAS. UPON REQUEST, ODOT ENVIRONMENTAL SECTION PERSONNEL WILL FLAG THE WETLANDS AREA FOR AVOIDANCE.

TO PROTECT AND DELINEATE THE WETLAND AREAS, A QUANTITY OF ITEM 832 CONSTRUCTION FENCE AND A QUANTITY OF ITEM 832 PERIMETER FILTER FABRIC FENCE HAVE BEEN INCLUDED IN THE GENERAL SUMMARY. THE CONSTRUCTION FENCE AND PERIMETER FILTER FABRIC FENCE SHALL BE INSTALLED ALONG THE ROADWAY EMBANKMENT WELL ABOVE TOE-OF-SLOPE, AS DIRECTED BY THE PROJECT ENGINEER AT THE POR-700-0337 BRIDGE LOCATION. INSTALLATION SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES WITHIN THE LIMITS AND ADJACENT AREA, INCLUDING ANY NECESSARY CLEARING AND GRUBBING ACTIVITIES. THE CONSTRUCTION FENCE AND PERIMETER FILTER FABRIC FENCE SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT PROJECT CONSTRUCTION AT THIS LOCATION AND SHALL BE REMOVED BY THE CONTRACTOR UPON PROJECT COMPLETION.

PAYMENT FOR ITEM 832 CONSTRUCTION FENCE AND ITEM 832 PERIMETER FILTER FABRIC FENCE WILL BE MADE UNDER ITEM 832, EROSION CONTROL.

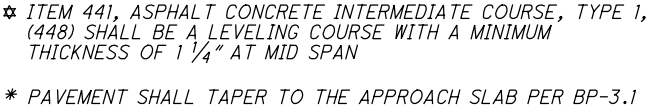
ALL MATERIALS REMOVED TO FACILITATE EMBANKMENT EROSION REPAIR MUST BE IMMEDIATELY REMOVED TO AN UPLAND SITE AND STABILIZED (I.E., SEEDED) TO PREVENT REDISTRIBUTION INTO WETLANDS AND/OR EAGLE CREEK. IMMEDIATE REMOVAL IS DEFINED BY THE UNITED STATES ARMY CORPS OF ENGINEERS AS DEPOSITING THE REMOVED MATERIALS DIRECTLY INTO A TRUCK AND REMOVING THE MATERIAL FROM THE SITE. PLACEMENT OF REMOVED MATERIALS INTO A WETLANDS OR ON THE BANKS OF A STREAM EVEN TEMPORARILY IS CONSIDERED A FILL AND IS PROHIBITED.

STREAM AVOIDANCE

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR IMPACT EAGLE CREEK. NO EXCAVATION, GRADING OR FILLING OPERATIONS SHALL BE PERFORMED BELOW THE ORDINARY HIGH WATER MARK (1011 MSL) OF EAGLE CREEK. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE CONSTRUCTION EQUIPMENT AND/OR MATERIALS IN EAGLE CREEK.

DESIGN AGENCY ODOT --- DISTRICT 4 PLANNING AND ENGINEERING	DATE 09/21/17	REVIEWED RAS	DRAWN HKS	CHECKED RAS
	STRUCTURE FILE NUMBER 6704883	REVISED HKS		
STRUCTURE GENERAL NOTES POR-700-0337 OVER EAGLE CREEK				
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