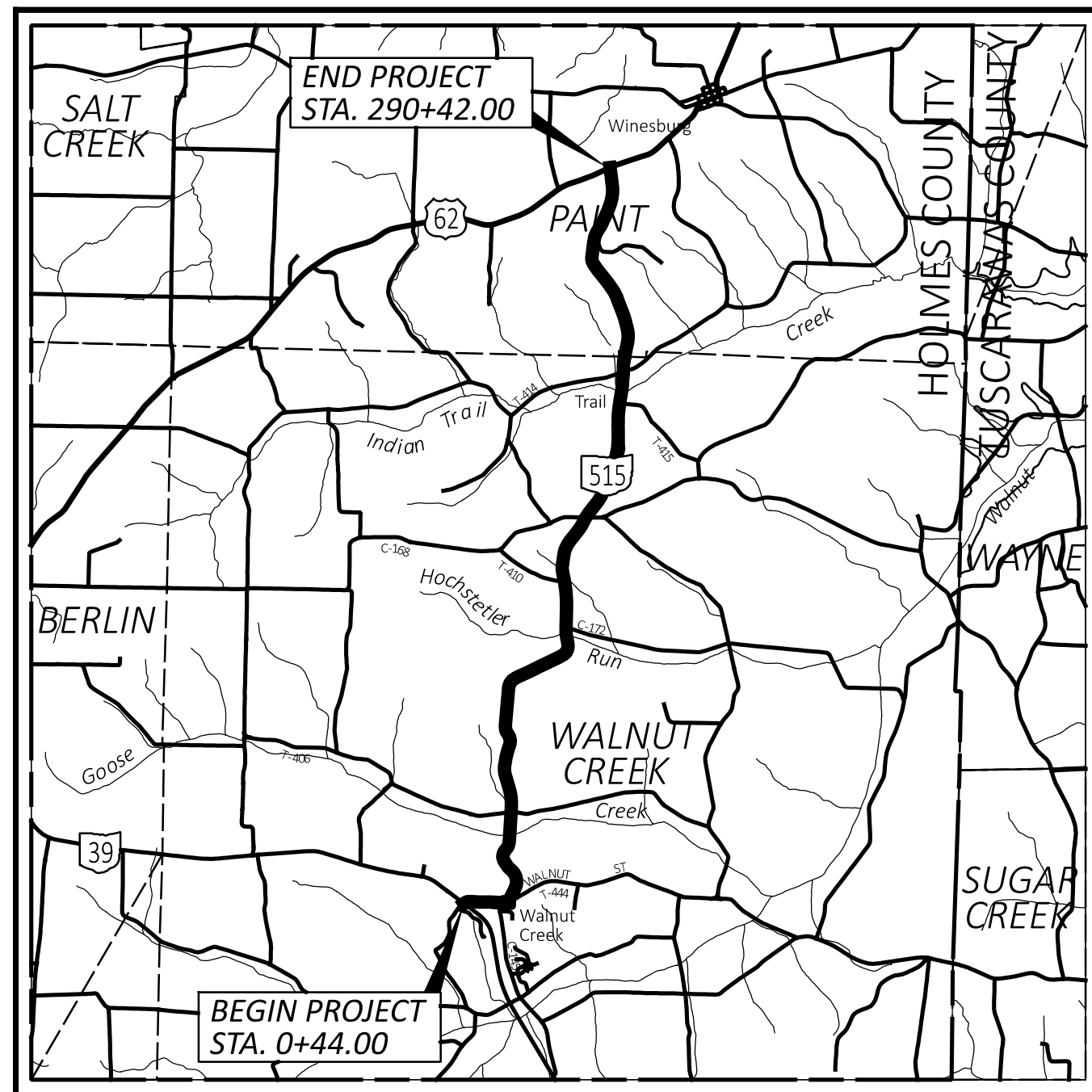


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## HOL-515-0.00 PART 1

### WALNUT CREEK/PAINT TOWNSHIP HOLMES COUNTY FOR PART 2, SEE HOL-515-3.52



**LOCATION MAP**

LATITUDE: 40 °34'25" LONGITUDE: 81 °42'50"



PORTION TO BE IMPROVED	—————	=====
INTERSTATE HIGHWAY	—————	=====
FEDERAL ROUTES	—————	=====
STATE ROUTES	—————	=====
COUNTY & TOWNSHIP ROADS	—————	=====
OTHER ROADS	—————	=====

**DESIGN DESIGNATION**

SLM	SHOLSR00515				
	0.00-0.23	0.23-0.29	0.29-3.32	3.32-4.35	4.35-5.50
CURRENT ADT (2025)	4100	2500	2500	2500	2500
DESIGN YEAR ADT (2045)	4100	2500	2500	2500	2500
DESIGN HOURLY VOLUME (2045)	500	350	350	350	350
DIRECTIONAL DISTRIBUTION	51.7	51.1	51.1	51.1	51.1
TRUCKS (24 HOUR B&C)	8	11	11	11	11
DESIGN SPEED	30	30	60	50	60
LEGAL SPEED	25	25	55	45	55
DESIGN FUNCTIONAL CLASSIFICATION	06 - MINOR COLLECTOR (R)	06 - MINOR COLLECTOR (R)	06 - MINOR COLLECTOR (R)	06 - MINOR COLLECTOR (R)	06 - MINOR COLLECTOR (R)
NHS PROJECT	NO	NO	NO	NO	NO

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVERS**

REQUIRED

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

**OHIO811.org**  
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764  
(Non members must be called directly)

PLAN PREPARED BY:  
ODOT DISTRICT 11  
ENGINEERING  
NEW PHILADELPHIA, OHIO

**INDEX OF SHEETS:**

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SCHEMATIC PLAN	P.02 - P.03
TYPICAL SECTIONS	P.04 - P.05
GENERAL NOTES	P.06 - P.09
MAINTENANCE OF TRAFFIC	P.10 - P.12
DETOUR PLAN	P.13 - P.15
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S.R. 515 PLAN	P.18 - P.30
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MISCELLANEOUS DETAILS	P.37 - P.45
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STRUCTURES	
HOL-515-00.780	P.48 - P.51
HOL-515-02.320	P.52 - P.54
HOL-515-03.970	P.55 - P.57
RIGHT OF WAY	RW.01 - RW.08

**FEDERAL PROJECT NUMBER**

NON-FEDERAL

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

IMPROVEMENT OF 5.50 MILES OF S.R. 515 BY MILLING, FULL DEPTH RECLAMATION TREATMENT OF THE ROADWAY BASE, AND NEW ASPHALT PAVEMENT. INCLUDES MINOR WORK ON BRIDGES HOL-515-00.780, HOL-515-02.320, AND HOL-515-03.970, GUARDRAIL REPLACEMENT, AND PAVEMENT MARKINGS.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	3.8 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.3 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)*

\* ROUTINE MAINTENANCE PROJECT

**2023 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.

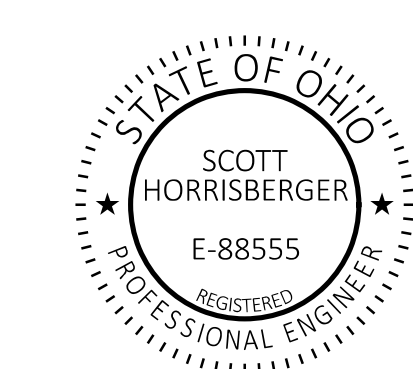
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS P.13 - P.15.

Thomas D. Corey  
District 11 Deputy Director

Pamela Boratyn  
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
BP-3.1	1/19/24	AS-1-15	1/20/23	DBR-3-11	7/15/11	HL-50.21	7/15/22	TC-41.20	10/18/13	800-2023	7/19/24	SUBGRADE EXPLORATION 5/8/24
BP-3.2	1/18/19	AS-2-15	7/21/23	DS-1-92	7/15/22			TC-42.10	10/18/13	827	7/19/24	
BP-4.1	7/19/13			PSBD-2-07	7/20/18	MT-97.10	4/19/19	TC-42.20	10/18/13	832	7/19/24	
				DBR-2-73	7/19/02	MT-97.11	1/20/17	TC-52.10	10/18/13	843	1/19/24	WATERWAY PERMIT CONDITIONS 1/10/25
DM-4.3	1/15/16			HW-1.1	7/19/24	MT-99.20	4/19/19	TC-52.20	1/15/21	846	4/17/15	
DM-4.4	1/15/16			HW-2.2	7/20/18	MT-101.60	4/21/23	TC-65.10	1/17/14	902	7/19/19	
MGS-1.1	7/16/21					MT-101.90	7/17/20	TC-65.11	1/19/24			
MGS-2.1	1/19/18					MT-105.10	1/17/20	TC-71.10	4/21/23			
MGS-4.2	7/19/13							TC-74.10	7/21/23			
MGS-4.3	1/18/13											
MGS-5.3	7/15/16											

ENGINEER'S SEAL  
ROADWAY



TITLE SHEET

DESIGN AGENCY



DESIGNER	MJH
REVIEWER	SAH
PROJECT ID	09-23-24
SHEET	105293
TOTAL	
P.01	57

HOL-515-0.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 1/10/2025 TIME: 9:19:28 AM USER: mhone pvc:\ohio\dot-pw-bentley.com\ohio\dot-pw-02\Documents\01 Active Projects\District 11\Holmes\105293\400-Engineering\Roadway\Sheets\105293\_GT1001.dgn

**ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN**

THE PAVING OPERATION FOR INTERSECTING PUBLIC ROADS (NON-MAINLINE), AND DRIVEWAYS SHALL CONSIST OF AN AVERAGE THICKNESS EQUAL TO THE ADJACENT SURFACE COURSE FOR AN APPROXIMATE DISTANCE FROM THE EDGE OF PAVEMENT OR PAVED SHOULDERS, WHICHEVER IS APPLICABLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER AS FOLLOWS:

STATION 0+44.00 TO 16+50.00: EQUAL MILL/FILL PUBLIC ROADS: 10' SURFACE COURSE WITH 10' WIDE WEARING COURSE REMOVED DRIVES: OMIT

STATION 16+50.00 TO 290+42.00: FULL DEPTH RECLAMATION PUBLIC ROADS: 20' SURFACE COURSE WITH 20' WEARING COURSE REMOVED DRIVES: 4' UNLESS SHOWN OTHERWISE IN PLAN

UP-HILL DRIVEWAYS SHALL ONLY BE PAVED TO THE BEGINNING OF THE UPSLOPE OF THE DRIVEWAY, OR AS DIRECTED BY THE ENGINEER. CONCRETE DRIVEWAYS WITH LESS THAN 10 FT OF ASPHALT CONCRETE APRON SHALL BE TREATED TO THE EDGE OF THE ASPHALT, OR AS DIRECTED BY THE ENGINEER.

ALL GRADING, TACK COAT, PRIME COAT, TOOLS, EQUIPMENT, AND INCIDENTALS REQUIRED TO LAYOUT AND PAVE THE DRIVEWAYS AND INTERSECTING PUBLIC ROADS SHALL BE INCLUDED IN THE CU. YD. PRICE BID FOR ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN.

THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS SET FORTH IN C&MS 107.10 CONCERNING THE PROTECTION AND RESTORATION OF ALL PUBLIC AND PRIVATE PROPERTY IMPACTED BY CONSTRUCTION OPERATIONS.

ALL DRIVEWAYS SHALL BE PAVED WITHIN (5) WORKING DAYS AFTER PLACING THE SURFACE COURSE ON THE MAINLINE PAVEMENT.

**ITEM 646 - EPOXY PAVEMENT MARKING**

THE CONTRACTOR SHALL REPLACE THE EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS WITH NEW PAVEMENT MARKINGS AT THE SAME LOCATIONS AS PER C&MS 641.06. SEE SCD TC-71.10 FOR PAVEMENT MARKING DETAILS.

**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 ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

**SHIELD**

THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF THE PAVEMENT OR EDGELINE. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS SET FORTH IN C&MS 107.10 CONCERNING THE PROTECTION AND RESTORATION OF ALL PUBLIC AND PRIVATE PROPERTY IMPACTED BY CONSTRUCTION OPERATIONS.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016 OR NCHRP 350)**

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 REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

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.

**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, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

**ITEM 606 - BRIDGE TERMINAL ASSEMBLY, TYPE 4**

CONSTRUCTION OF AND PAYMENT FOR THIS ITEM SHALL BE PER SHEET P.45. STARTING AT THE END OF THE BRIDGE TERMINAL ASSEMBLY, ADJUST THE HEIGHT TO THE REQUIRED MGS HEIGHT PER SCD MGS-4.3.

**ITEM 203 - EMBANKMENT, AS PER PLAN**

THIS ITEM SHALL BE USED FOR GRADING AROUND ANCHOR ASSEMBLIES AS SHOWN PER THE DETAILS IN SCD MGS-5.3 (TYPE E), AND AS DIRECTED BY THE ENGINEER. ALL THE REQUIREMENTS FOR ITEM 203 EMBANKMENT SHALL BE MET EXCEPT THE TOP 2 FEET OF PROPOSED EMBANKMENT SHALL NOT CONTAIN ANY GRANULAR MATERIAL. THIS APPLIES TO ALL AREAS OUTSIDE OF THE EXISTING TREATED PAVEMENT. EXISTING SOD MUST BE SCALPED ACCORDING TO 201.04, PRIOR TO PLACEMENT OF ANY EMBANKMENT MATERIAL. THE COST OF SCALPING SHALL BE INCIDENTAL TO ITEM 203, EMBANKMENT, AS PER PLAN.

**COORDINATION OF RESURFACING AND PLANING OPERATIONS**

**APPLICABLE TO STA. 0+44.00 - 16+50.00 ONLY:**

ONCE THE PAVEMENT PLANING OPERATIONS HAVE COMMENCED, THE CONTRACTOR SHALL PLANE CONTINUOUSLY UNTIL ALL ELEMENTS OF WORK ASSOCIATED WITH THE PAVEMENT PLANING OPERATIONS ARE CONCLUDED FOR THAT SECTION OF ROADWAY. THE PAVEMENT PLANING OPERATIONS SHALL BE COMPLETED IN A TIMELY MANNER, OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR MUST BEGIN PAVING OPERATIONS TO COVER THE PLANED SURFACE NO LATER THAN 4 (FOUR) DAYS AFTER THE START OF THE PAVEMENT PLANING FOR THAT SECTION OF ROADWAY.

IF ASPHALT CONCRETE IS TO BE APPLIED DIRECTLY ONTO PORTLAND CEMENT, CONCRETE, OR BRICK PAVEMENT, THE CONTRACTOR SHALL TACK THE EXISTING PAVEMENT WITH RUBBERIZED ASPHALT EMULSION CONFORMING TO C&MS 702.13.

**APPLICABLE TO ENTIRE PROJECT (STA. 0+44.00 - 290+42.00):**

ALL GRINDINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR EXCEPT FOR WHAT IS REQUIRED TO BE USED FOR SHOULDER MATERIAL INDICATED IN ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN.

**QUANTITIES USED AS DIRECTED BY THE ENGINEER**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE DESIGNATED LINE ITEMS OR ADDED VIA CHANGE ORDER.

**ITEM 621 - RAISED PAVEMENT MARKER REMOVED**

EXISTING RAISED PAVEMENT MARKERS SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR DISPOSAL OFF THE PROJECT. THE REQUIREMENT TO FILL THE DEPRESSIONS SHALL BE WAIVED.

**446 DENSITY ACCEPTANCE WITH FLAGGER CLOSING OF A 2-LANE HIGHWAY FOR PAVING OPERATIONS**

THIS PLAN NOTE APPLIES ONLY TO A FLAGGER CLOSURE OF ONE LANE OF A 2-LANE HIGHWAY DURING PAVING OPERATIONS WHEN USING STANDARD CONSTRUCTION DRAWING MT-97.11 OR MT-97.12, AND ALLOWS A PAVING OPERATION TO PROCEED CONCURRENTLY WITH THE MARKING AND CUTTING OF CORES REQUIRED FOR 446 DENSITY ACCEPTANCE.

IN ALL CASES THE CONTRACTOR SHOULD LENGTHEN THEIR LANE CLOSURES TO THE MAXIMUM PERMISSIBLE LENGTH DETAILED IN THE ABOVE REFERENCED STANDARD CONSTRUCTION DRAWINGS TO ALLOW THE ENGINEER ADEQUATE TIME TO MARK THE REQUIRED CORE LOCATIONS AND FOR CORE CUTTING OPERATIONS.

THE CONTRACTOR WILL PROVIDE TO THE ENGINEER THE PLANNED QUANTITY THAT WILL BE PLACED FOR THE DAY'S PRODUCTION. EACH DAY'S PRODUCTION WILL BE CONSIDERED ONE LOT AND INCLUDES SHOULDERS. TEN CORES WILL BE OBTAINED BY THE CONTRACTOR FOR EACH LOT AT RANDOM LOCATIONS DETERMINED BY THE ENGINEER. THE ENGINEER WILL DIVIDE A LOT INTO FIVE EQUAL SUBLOTS AND CALCULATE TWO RANDOM CORE LOCATIONS IN EACH SUBLOT AS DESCRIBED IN C&MS 446.05.

THE ENGINEER WILL MARK THE CORE LOCATIONS AFTER THE PAVING OPERATION (INCLUDING THE FINISH ROLLER) HAS COMPLETELY PASSED THE RANDOMLY SELECTED CORE LOCATION. THE CORE DRILL OPERATION CAN BEGIN CUTTING CORES WHEN THE NEWLY PLACED SURFACE TEMPERATURE IS LESS THAN 140°F. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LANE CLOSURE DURING ALL PAVING, MARKING, AND CORING OPERATIONS PER THE REQUIREMENTS OF THE STANDARD CONSTRUCTION DRAWING USED FOR THE PAVING OPERATION.

**SURFACE COURSE COMPLETION REQUIREMENTS**

ANY GIVEN LENGTH OF WORK ON WHICH RESURFACING OPERATIONS HAVE BEEN STARTED IN A CONSTRUCTION SEASON SHALL HAVE THE SURFACE COURSE PLACED THAT SAME SEASON.

**UNSTABLE OR UNSUITABLE SOILS FOR PAVEMENT STABILIZATION**

IF FIELD OBSERVATIONS REVEAL UNSTABLE AND/OR UNSUITABLE SUBGRADE, UNDERCUTS MAY NEED TO BE PERFORMED. THE AGGREGATE BASE PLACED FOR UNDERCUTS SHALL BE PLACED ON GEOTEXTILE FABRIC.

THE FOLLOWING ITEMS AND QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO ADDRESS UNSTABLE OR UNSUITABLE SOILS:

- ITEM 204 - EXCAVATION OF SUBGRADE -- 1,995 CU. YD.
- ITEM 204 - GEOTEXTILE FABRIC -- 3,390 SQ. YD.
- ITEM 304 - AGGREGATE BASE -- 1,995 CU. YD.

DESIGN AGENCY



DESIGNER MJH

REVIEWER

SAH 09-23-24

PROJECT ID

105293

SHEET TOTAL

P.07 57

**ITEM 614 - MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 75 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS P.13 - P.15. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$10,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

THE 75 DAY DETOUR ON S.R. 515 SHALL BE PERFORMED BETWEEN JUNE 2, 2025 AND AUGUST 16, 2025, WHEN LOCAL SCHOOLS ARE NOT IN SESSION.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

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

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD 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.

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO 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.

SR 515 WILL BE  
 CLOSED MM-DD  
 FOR 60 DAYS  
 INFO: (330) 339-6633

W20-H13-60

# - CONTRACTOR TO PROVIDE DATE

(CONTINUED...)

**ITEM 614 - MAINTAINING TRAFFIC**

(CONTINUED...)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC

<b>ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B</b>	<b>- 50 CU. YD.</b>
<b>ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC</b>	<b>- 400 CU. YD.</b>
<b>ITEM 616, WATER</b>	<b>- 50 M. GAL.</b>

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE LOCATIONS SHOWN ON SHEETS P.13 - P.15 DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**PROPERTY ACCESS DURING CONSTRUCTION**

THE CONTRACTOR SHALL MAINTAIN ACCESS TO EACH PROPERTY WITHIN THE PROJECT LIMITS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY OWNER WITHIN THE WORK ZONE OF THE MAINTENANCE OF TRAFFIC SEQUENCES AND ACCESSING THEIR PROPERTY.

**DUST CONTROL**

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

<b>ITEM 616, WATER</b>	<b>- 250 M. GAL.</b>
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**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 THE 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.


ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS AND PIO
RAMP & ROAD 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	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN 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.



SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.06	P.07	P.08			P.13		P.33	P.34	P.35	P.36	01/NFA/04	03/NFA/13						
<b>ROADWAY</b>																		
LS							95				LS		201	11000	LS		CLEARING AND GRUBBING	
											95		202	23000	95	SY	PAVEMENT REMOVED	
										4,768	4,768		202	23500	4,768	SY	WEARING COURSE REMOVED	
							1,950				1,950		202	38000	1,950	FT	GUARDRAIL REMOVED	
							24				24		203	20001	24	CY	EMBANKMENT, AS PER PLAN	
											1,995		204	13000	1,995	CY	EXCAVATION OF SUBGRADE	
											3,390		204	50000	3,390	SY	GEOTEXTILE FABRIC	
											10.63		209	60500	10.63	MILE	LINEAR GRADING	
										10.63	10.63		209	72051	10.63	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	
							300				300		606	13000	300	FT	GUARDRAIL, TYPE 5	
							1,775				1,775		606	15050	1,775	FT	GUARDRAIL, TYPE MGS	
							12				12		606	26150	12	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016 OR NCHRP 350)	
							4				4		606	26550	4	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
							12				12		606	35140	12	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
10											10		SPECIAL	69050350	10	EACH	MAILBOX REMOVED AND RESET	
<b>EROSION CONTROL</b>																		
											2		659	00100	2	EACH	SOIL ANALYSIS TEST	
											22,000		659	10000	22,000	SY	SEEDING AND MULCHING	
											1,100		659	14000	1,100	SY	REPAIR SEEDING AND MULCHING	
											2.97		659	20000	2.97	TON	COMMERCIAL FERTILIZER	
											4.55		659	31000	4.55	ACRE	LIME	
											119		659	35000	119	MGAL	WATER	
											10,000		832	30000	10,000	EACH	EROSION CONTROL	
<b>PAVEMENT</b>																		
							4,862	1,352			6,214		254	01001	6,214	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (5")	
											1,995		304	20000	1,995	CY	AGGREGATE BASE	
							9,920	1,000			12,170		407	10000	12,170	GAL	TACK COAT	
								4,958			4,958		408	10001	4,958	GAL	PRIME COAT, AS PER PLAN	
							2,741	276			3,017		441	10100	3,017	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M	
							8,175	801			8,976		441	10200	8,976	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)	
							8				8		441	70200	8	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)	
							73	11			84		441	70300	84	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
										186	186		441	70501	186	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN	
							2				2		441	70800	2	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL)	
											1,378		617	10101	1,378	CY	COMPACTED AGGREGATE, AS PER PLAN	
							73,343	6,340			79,683		827	10000	79,683	SY	PAVEMENT REMOVED	
							2,574	230			2,804		827	11000	2,804	TON	CEMENT	
							73,343	6,340			79,683		827	12000	79,683	SY	CURING COAT	
							73,343	6,340			79,683		827	20000	79,683	SY	FULL DEPTH RECLAIMED BASE COURSE, 12" DEEP	
											LS		827	21000	LS		MIXTURE DESIGN FOR FULL DEPTH RECLAIMED BASE	
							364	41			405		827	22000	405	TON	CORRECTIVE MATERIAL	
							553	55			608		827	23000	608	TON	COVER AGGREGATE	
											LS		827	30000	LS		JUST-IN-TIME TRAINING	
<b>TRAFFIC CONTROL</b>																		
											755		621	00100	755	EACH	RPM	
											739		621	54000	739	EACH	RAISED PAVEMENT MARKER REMOVED	
							6				6		626	00102	6	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	
							40				40		626	00110	40	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	
							84				84		630	02100	84	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
											18		630	80100	18	SF	SIGN, FLAT SHEET	
											7		630	84900	7	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
											6		630	86002	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	

GENERAL SUMMARY

DESIGN AGENCY  
  
 DESIGNER: MJH  
 REVIEWER: SAH 09-23-24  
 PROJECT ID: 105293  
 SHEET: P.16 TOTAL: 57