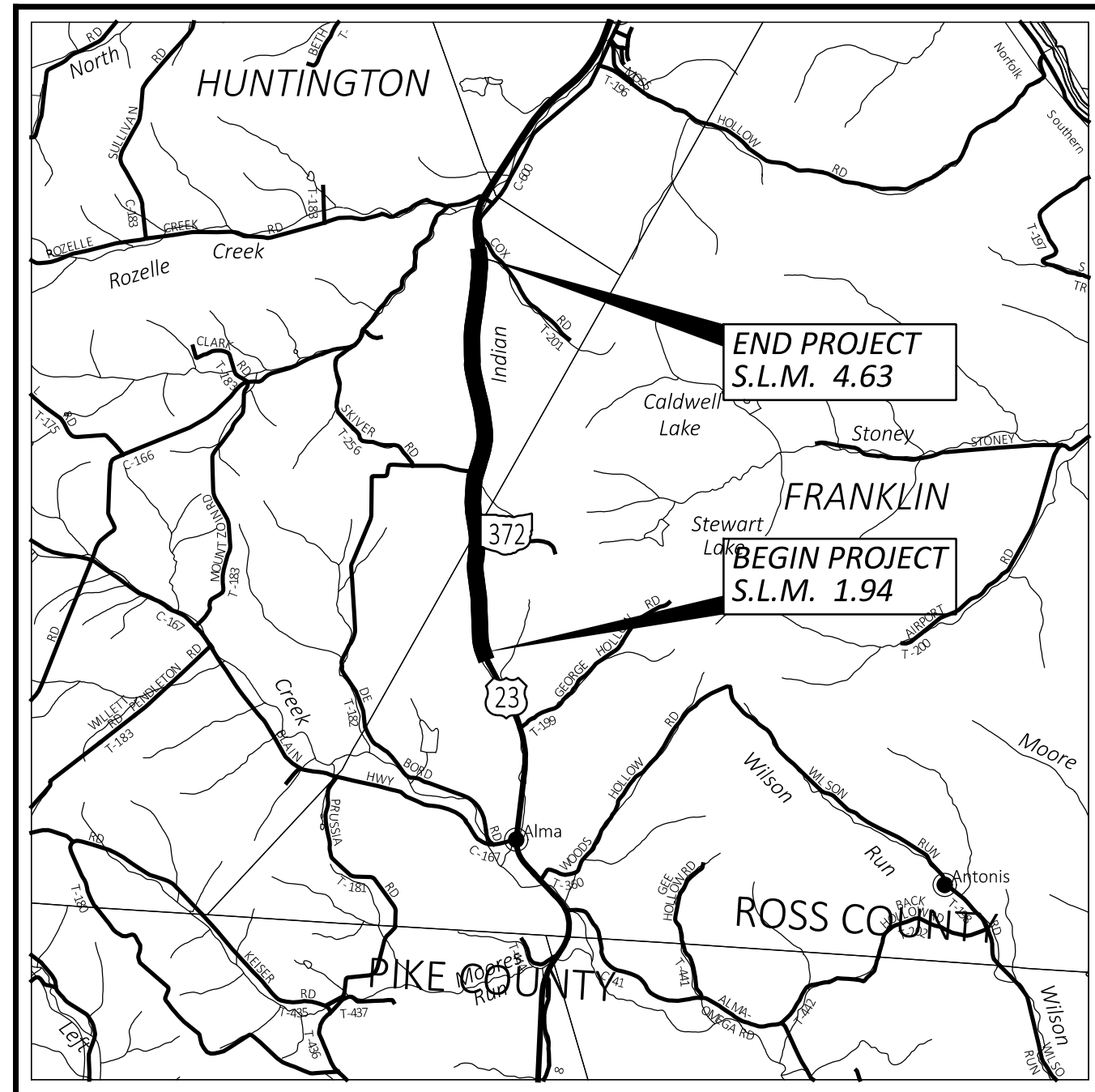


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

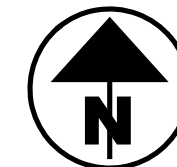
ROS-23-1.94

FRANKLIN TOWNSHIP
HUNTINGTON TOWNSHIP
ROSS COUNTY



LOCATION MAP

LATITUDE: N 39°13'20" LONGITUDE: W 82°59'02"



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

DESIGN DESIGNATION

CURRENT ADT (2023)	20,693
DESIGN HOURLY VOLUME (2022)	1,835
DIRECTIONAL DISTRIBUTION	62%
TRUCKS (24 HOUR B&C)	16%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
03 OTHER PRINCIPAL ARTERIAL	
NHS PROJECT	YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

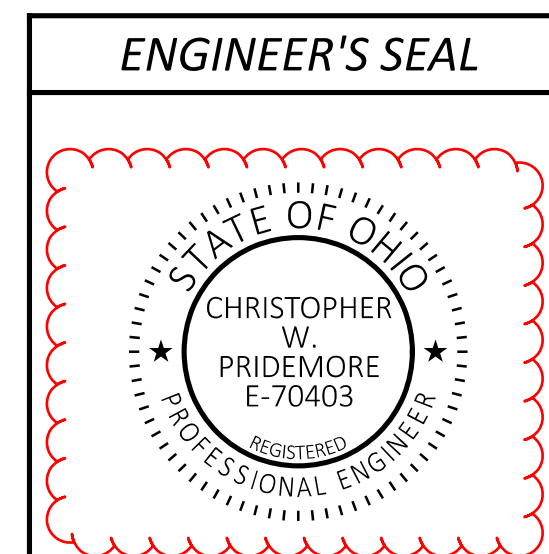
NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

Before You Dig

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

PLAN PREPARED BY:
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 9 ENGINEERING



INDEX OF SHEETS:

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PAVEMENT CALCULATIONS	P.10-11
SUB-SUMMARIES	P.12-13
PAVEMENT LINE DIAGRAM	P.14

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-2.1	1/21/22	MT-95.30	7/19/19	TC-42.10	10/18/13	800	1/19/24		
BP-2.5	1/21/22	MT-95.31	7/19/19	TC-42.20	10/18/13	807	1/21/22		
BP-3.1	1/21/22	MT-95.32	4/19/19	TC-52.10	10/18/13	808	1/18/19		
BP-9.1	1/18/19	MT-95.45	7/21/23	TC-52.20	1/15/21	821	4/20/12		
		MT-95.50	7/21/17	TC-61.10	4/21/23	832	7/21/23		
		MT-95.60	4/19/19	TC-64.10	7/21/23	850	7/21/23		
		MT-99.20	4/19/19	TC-65.10	1/17/14	908	10/20/17		
		MT-99.30	1/17/20	TC-65.11	7/15/22				
		MT-101.90	7/17/20	TC-71.10	4/21/23				
		MT-104.10	4/21/23						
		MT-105.10	1/17/20						

FEDERAL PROJECT NUMBER

E240 (196)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF MILLING AND FILLING 2.69 MILES OF US 23 IN ROSS COUNTY.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A ACRES*
* 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, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON 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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Michael G. Dombrowski
District 09 Deputy Director

Jack Marchbanks, PhD
Director, Department of Transportation

TITLE SHEET

DESIGN AGENCY



DESIGNER	ZDR
REVIEWER	DMB 4-10-24
PROJECT ID	118760
SHEET	TOTAL
P.1	14

ROS-23-1.94

MODEL: Sheet_SurvFI PAPER SIZE: 34x42 (in.) DATE: 7/26/2024 TIME: 11:25:24 AM USER: zrockwell pvc:\ohio\dot-pw-bentley.com\ohio\dot-pw-02\Documents\01 Active Projects\District 09\Ross\118760\400-Engineering\Roadway\Sheets\118760_GT001.dgn

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR WILL ADVISE THE DISTRICT PUBLIC INFORMATION OFFICER AT (740) 774-8834, OR FAX (740) 773-2710 FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE PROJECT ENGINEER WILL PROVIDE ASSISTANCE/CLARIFICATION FOR ANY QUESTIONS.

THE CONTRACTOR SHALL ARRANGE FOR ALL MAINTENANCE OF TRAFFIC OPERATIONS SUCH THAT THERE WILL BE NO OBSTRUCTIONS TO THE CONTINUOUS FLOW OF TRAFFIC. ALL INTERSECTIONS AND DRIVEWAYS SHALL BE OPEN TO TRAFFIC AT ALL TIMES UNLESS OTHERWISE SHOWN IN THE PLAN.

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.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & 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 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 CALENDAR DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

ITEM 614, MAINTAINING TRAFFIC (cont'd)

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

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS UNLESS PORTABLE BARRIER IS IN PLACE:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

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 WILL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
ALL LANES NB & SB OF ROS-23 FROM SLM 1.94 TO SLM 4.63	EACH MINUTE	\$75.00

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.

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.

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:

ITEM 616, WATER 1 M. GAL.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614:

WORK ZONE MARKING SIGN	16 EACH
WORK ZONE LANE LINE, CLASS III, 642 PAINT	10.76 MILE
WORK ZONE CENTER LINE, CLASS III, 6", 642 PAINT	10.82 MILE
WORK ZONE EDGE LINE, CLASS 1, 6" 740.06, TYPE 1	1 MILE
WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	0.3 MILE
WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	10.76 MILE
WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT	316 FT
WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	834 FT
WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	622 FT
WORK ZONE STOP LINE, CLASS III, 642 PAINT	168 FT
WORK ZONE ARROW, CLASS III, 642 PAINT	26 EACH
WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT	144 SF

DESIGN AGENCY



DESIGNER
ZDR


REVIEWER
DMB 4-10-24

PROJECT ID
118760

SHEET TOTAL
P.6 | 14

SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	8	10	11	12	13	01/NHS/05									
											LS	201	11000	LS		ROADWAY CLEARING AND GRUBBING		
											1,000	832	30000	1,000	EACH	EROSION CONTROL EROSION CONTROL		
																PAVEMENT		
2,000											2,000	251	01021	2,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN	4	
					111,198	6,927					118,125	254	01001	118,125	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (1.5")	4	
22,503											22,503	254	01600	22,503	SY	PATCHING PLANED SURFACE		
	240										240	255	10161	240	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN	5	
	990										990	255	20000	990	FT	FULL DEPTH PAVEMENT SAWING		
					9,452	589					10,041	407	20000	10,041	GAL	NON-TRACKING TACK COAT		
						234					234	441	50000	234	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22		
					4,634	55					4,689	442	10021	4,689	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), PWL 2024, AS PER PLAN (1.5"), PG64-22	5	
		1									1	616	10000	1	MGAL	WATER		
					5.4						5.4	618	40600	5.4	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)		
					5.4						5.4	618	41000	5.4	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)		
																TRAFFIC CONTROL		
								714			714	621	00100	714	EACH	RPM		
								714			714	621	54000	714	EACH	RAISED PAVEMENT MARKER REMOVED		
							0.15				0.15	644	00100	0.15	MILE	EDGE LINE, 4"		
							0.03				0.03	644	00300	0.03	MILE	CENTER LINE		
							84				84	644	00500	84	FT	STOP LINE		
							311				311	644	00700	311	FT	TRANSVERSE/DIAGONAL LINE		
							72				72	644	00900	72	SF	ISLAND MARKING		
							23				23	644	01300	23	EACH	LANE ARROW		
							5.38				5.38	807	14010	5.38	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"		
							5.38				5.38	807	14110	5.38	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"		
							5.38				5.38	807	14200	5.38	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CENTER LINE		
							158				158	807	14310	158	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"		
							417				417	807	14410	417	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6"		
							16.25				16.25	850	10010	16.25	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)		
																MAINTENANCE OF TRAFFIC		
					80						80	614	11110	80	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
		16									16	614	12460	16	EACH	WORK ZONE MARKING SIGN		
			6								6	614	12484	6	EACH	WORK ZONE INCREASED PENALTIES SIGN		
			6								6	614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7	
		10.76									10.76	614	20560	10.76	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT		
		10.82									10.82	614	21550	10.82	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT		
		1									1	614	22210	1	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I		
		0.3									0.3	614	22350	0.3	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT		
		10.76									10.76	614	22360	10.76	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT		
		316									316	614	23690	316	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT		
		834									834	614	24612	834	FT	WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT		
		622									622	614	25620	622	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT		
		168									168	614	26610	168	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT		
		26									26	614	30650	26	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT		
		144									144	614	32800	144	SF	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT		
											18	808	18700	18	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY		
																INCIDENTALS		
											LS	614	11000	LS		MAINTAINING TRAFFIC		
											LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
											LS	624	10000	LS		MOBILIZATION		

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 ZDR
 REVIEWER
 DMB 4-10-24
 PROJECT ID
 118760
 SHEET TOTAL
 P.9 14

LOCATION	DIRECTION	LOG POINT		LENGTH MILE	807 WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING					644 EXTRA MARKINGS					850	COMMENTS	
		FROM	TO		CENTER LINE MILE	EDGE LINE, 6" (WHITE) MILE	LANE LINE, 6" MILE	DOTTED LINE, 6" FT	CHANNELIZATION LINE, 12" FT	CENTER LINE MILE	EDGE LINE, 4" MILE	STOP LINE FT	LANE ARROW EACH	TRNSVERSE/DIAGONAL LINE FT	ISLAND MARKING SF		GROOVING FOR 6" RECESSED MARKING, (ASPHALT) MILE
		SLM	SLM														
U.S. 23	NB	1.94	4.63	2.69	2.69	2.69						10				8.07	
	SB	1.94	4.63	2.69	2.69	2.69						13				8.07	
S.R. 372	NB	2.65								0.003	0.017	16				0.01	
S.R. 372	NB	2.68								0.004	0.019	16				0.01	
DEBORD RD.	SB	3.19										28				0.01	
MASSIEVILLE RD.	SB	4.60								0.02	0.115	24	311	72		0.07	
THIS SHEET TOTALS					5.38	5.38	5.38	417.00	158.00	0.03	0.15	84.00	23.00	311.00	72.00	16.25	
TOTALS CARRIED TO GENERAL SUMMARY					5.38	5.38	5.38	417	158	0.03	0.15	84	23	311	72	16.25	

PAVEMENT MARKINGS SUBSUMMARY

DESIGN AGENCY



DESIGNER
ZDR

REVIEWER
DMB 4-10-24

PROJECT ID
118760

SHEET TOTAL
P.12 | 14