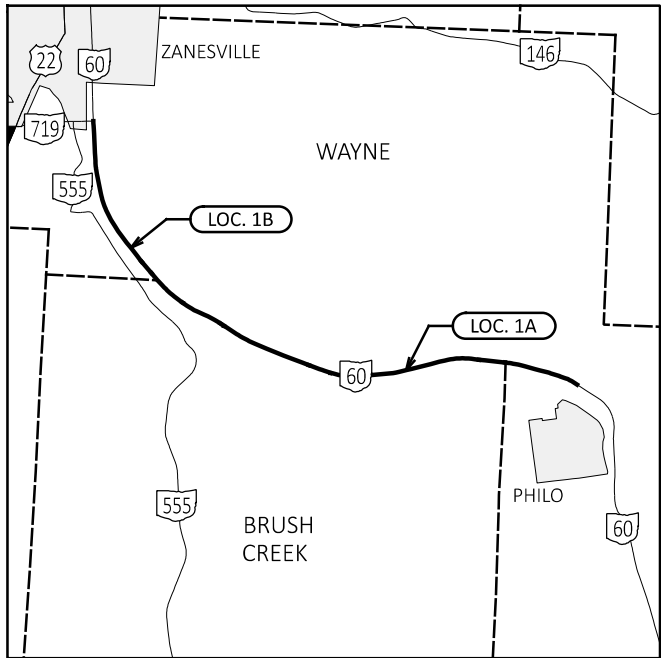


MODEL: Sheet PAPER: 17x11 (in.) DATE: 9/22/2025 TIME: 2:23:33 PM PLTDR: OHDOT PDF: pldt PENTBL: OHDOT Pen.tbl USER: Jason.Lutz@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 117214 PRODUCT: OpenRoadsDesigner 24.00.00.205 pwc:\ohdot\pwc\benlley.com\shd\pwc\pw-02\Documents\01 Active Projects\District 05\Muskingum\117214\400-Engineering\Roadway\Sheets\117214_GT001.dgn



LOCATION MAP

LATITUDE: 39° 52' 40" LONGITUDE: 81° 58' 20"

PORTION TO BE IMPROVED

DESIGN DESIGNATION	LOC. 1
FUNCTIONAL CLASSIFICATION	RMA
OPENING YEAR ADT (2026)	6,900
DESIGN YEAR ADT (2038)	7,000
DESIGN HOURLY VOLUME (2038)	800
DIRECTIONAL DISTRIBUTION	58%
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
NHS PROJECT	NO

RMA = RURAL MINOR ARTERIAL

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVER

NONE

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:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 5 ENGINEERING

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

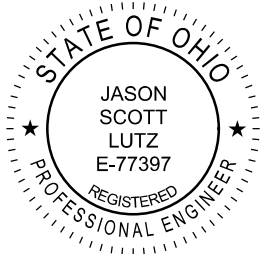
MUS-60-8.03

WAYNE TOWNSHIP

MUSKINGUM COUNTY

INDEX OF SHEETS

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ENGINEER'S SEAL	STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS
	BP-3.1	1/19/24	TC-41.20	10/18/13			800 1/17/25
	BP-4.1	7/19/13	TC-42.20	10/18/13			821 4/20/12
			TC-52.10	10/18/13			832 7/21/23
	MT-95.31	7/18/25	TC-52.20	1/15/21			921 7/19/24
	MT-95.32	7/18/25	TC-64.10	7/21/23			
	MT-97.10	7/18/25	TC-65.10	1/17/14			
	MT-99.20	4/19/19	TC-65.11	1/17/25			
	MT-101.90	7/17/20	TC-71.10	4/21/23			
	MT-105.10	1/17/20	TC-74.10	7/21/23			
							SPECIAL PROVISIONS

FEDERAL PROJECT NUMBER
E240(876)

RAILROAD INVOLVEMENT
NONE

PROJECT DESCRIPTION
ASPHALT CONCRETE RESURFACING AND RELATED WORK
ON S.R. 60 IN MUSKINGUM COUNTY.

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A
NOTICE OF INTENT EARTH DISTURBED AREA = N/A

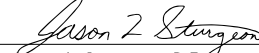
LOCATION	PLAN SPLIT	COUNTY	ROUTE	BEGIN SLM	END SLM	LENGTH MILES	CITY/VILLAGE
1A	1	MUS	60	8.03	11.96	3.93	
1B	2	MUS	60	11.96	14.62	2.66	

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS 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 AND THAT THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR


Jason L. Sturgeon, P.E.
05

DIRECTOR, DEPARTMENT OF TRANSPORTATION


Pamela Boratyn

TITLE SHEET

DESIGN AGENCY



DESIGNER

RMA

REVIEWER

JSL 06/01/25

PROJECT ID

117214

SHEET

TOTAL

1

24

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF **1-LANE** OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON **S.R. 60** BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS **MT-95.31 AND MT-95.32.**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES INCLUDING REPAIRS.

AT NO TIME SHALL TRAFFIC BE MAINTAINED ON THE PLANED SURFACE, AT LEAST ONE COURSE OF ASPHALT CONCRETE SHALL BE IN PLACE BEFORE OPENING TO TRAFFIC. THIS RULE DOES NOT APPLY TO PLANING AT OR ACROSS BRIDGES UNLESS THE BRIDGE IS BEING TREATED THE SAME AS THE ADJACENT ROADWAY.

THE MAXIMUM LANE CLOSURE LENGTH SHALL BE TWO (2) MILES, UNLESS DIRECTED OTHERWISE BY 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 CMS 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.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS	DISINCENTIVE (\$ PER TIME UNIT)
ALL WORK ON PROJECT	90	\$1,500

NOTIFICATION OF ROAD CLOSURE OR RESTRICTIONS

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY-ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND/OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4510 OR EMAIL AT D05.PIO@DOT.OHIO.GOV

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4525 OR EMAIL AT BRIAN.BOSCH@DOT.OHIO.GOV

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE-MENTIONED ITEMS, VIA MEDIA SOURCES.

BUTT JOINT

A BUTT JOINT WILL BE REQUIRED AT THE LOCATIONS SPECIFIED BELOW AND PER STANDARD DRAWING **BP-3.1** UNLESS OTHERWISE SHOWN IN THE PLANS.

THE MINIMUM ASPHALT WEDGE LENGTH AT BUTT JOINTS SHALL BE **10'**. THE GRINDING FOR BUTT JOINTS SHALL BE INCLUDED WITH ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE.

LOC	ROUTE	DESCRIPTION	SLM	ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC CU. YD.
1A	S.R. 60	BEGIN WORK	8.03	0.6
		TOTAL		0.6
1B	S.R. 60	BRIDGE: MUS-60-1399	13.99	2.8
		END WORK	14.62	1.4
		TOTAL		4.2

ITEM 614, WORK ZONE PAVEMENT MARKINGS

THE CONTRACTOR SHALL PLACE ALL WORK ZONE PAVEMENT MARKINGS IN ACCORDANCE WITH **CMS 614.11** AND STANDARD DRAWING **MT-99.20** UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES BELOW ARE FOR PLACEMENT OF TEMPORARY MARKINGS ON THE **SURFACE COURSE** FOR BOTH THE CONCRETE AND ASPHALT SECTIONS OF ROADWAY.

ITEM 614, WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT (TWO APPLICATIONS)
LOCATION 1A: **15.08 MILE**
LOCATION 1B: 10.26 MILE

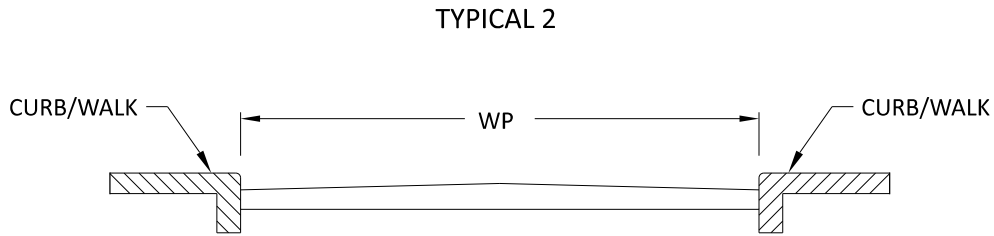
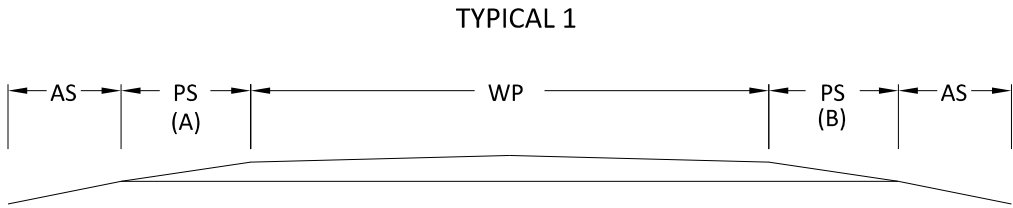
ITEM 614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT
LOCATION 1A: 4.02 MILE
LOCATION 1B: 2.64 MILE

ITEM 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT
LOCATION 1A: 6.40 MILE
LOCATION 1B: 5.28 MILE

ITEM 614, WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT
LOCATION 1A: 225 FT
LOCATION 1B: 400 FT

DROP-OFFS IN WORK ZONES

DROP-OFFS THAT DEVELOP DURING CONSTRUCTION OPERATIONS AND THAT ARE NOT OTHERWISE PROVIDED FOR IN THE PLANS SHALL BE TREATED AS SHOWN ON STANDARD DRAWING MT-101.90. WHERE THE PLANS DO NOT PROVIDE SPECIFIC ITEMS FOR LABOR, EQUIPMENT, OR MATERIALS TO IMPLEMENT THE DROP-OFF TREATMENTS SPECIFIED, THEY SHALL BE INCLUDED FOR PAYMENT IN THE LUMP SUM BID FOR ITEM 614, MAINTAINING TRAFFIC.



WP = WIDTH OF PAVEMENT
PS = PAVED SHOULDER
AS = COMPACTED AGGREGATE

SHOULDER DATA																	
LOCATION	COUNTY	ROUTE	BEGIN LOG POINT SLM	END LOG POINT SLM	LENGTH		TYPICAL	PROPOSED WIDTH (FT.)		SHOULDER AREA	254	407	408	441		617	
											PAVEMENT PLANING, ASPHALT CONCRETE, 1.50"	NON-TRACKING TACK COAT @ 0.08 GAL./S.Y.	PRIME COAT, AS PER PLAN @ 0.40 GAL./S.Y.	THICKNESS	SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG70-22M	THICKNESS	COMPACTED AGGREGATE, AS PER PLAN (2' WIDTH)
					MILES	LIN. FT.		A	B		SQ. YD.	SQ. YD.	GAL.	INCHES	CU. YD.	INCHES	CU. YD.
1A	MUS	S.R. 60	8.03	8.14	0.11	580.8	1	4		258.1	258.1	20.6	103.3	1.50	10.8	2.00	14.4
			8.14	8.87	0.73	3,854.4	2										
			8.87	11.96	3.09	16,315.2	1	6	6	21,753.6	21,753.6	1,740.3	2,900.5	1.50	906.4	2.00	402.9
TOTALS (CARRIED TO LOCATION 1A SUB-SUMMARY)											22,011.7	1,760.9	3,003.8		917.2		417.3
1B	MUS	S.R. 60	11.96	14.59	2.63	13,886.4	1	6	6	18,515.2	18,515.2	1,481.2	2,468.7	1.50	771.5	2.00	342.9
			14.59	14.62	0.03	158.4	1	6	6	211.2	SEE PAVEMENT DATA (SHOULDERS INCLUDED IN CADD AREA)						
BRIDGE DEDUCTIONS (FROM SHEET 10)										(216.0)	(216.0)	(17.3)	(28.8)	1.50	(9.0)	2.00	(4.0)
TOTALS (CARRIED TO LOCATION 1B SUB-SUMMARY)											18,299.2	1,463.9	2,439.9		762.5		338.9

LOCATION 1A SHEET TOTALS										ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION
2	3			7	8	9	11							
						2,470				202	23500	2,470	SY	ROADWAY
														WEARING COURSE REMOVED
6.40										209	60500	6.40	MILE	LINEAR GRADING
														DRAINAGE
	4									611	98631	4	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN
	1									611	98635	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN
	10									611	99654	10	EACH	MANHOLE ADJUSTED TO GRADE
125										253	02000	125	CY	PAVEMENT
														PAVEMENT REPAIR
	390			109,798	22,012					254	01000	132,200	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.50"
				8,784	1,761	199				407	20000	10,744	GAL	NON-TRACKING TACK COAT
					3,004					408	10001	3,004	GAL	PRIME COAT, AS PER PLAN
	17			4,575	918					441	50101	5,510	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG70-22M
						87				441	70000	87	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
					418					617	10101	418	CY	COMPACTED AGGREGATE, AS PER PLAN
							3.09			618	43000	3.09	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)
	3.09									874	21000	3.09	MILE	LONGITUDINAL JOINT PREPARATION

LOCATION 1A SUB-SUMMARY

LOCATION 1A SHEET TOTALS										ITEM	ITEM EXT.	TOTAL	UNIT	DESCRIPTION
	3	5	6				11	12	18					
														TRAFFIC CONTROL
									790	621	00100	790	EACH	RPM
									790	621	54000	790	EACH	RAISED PAVEMENT MARKER REMOVED
								29.0		630	03101	29.0	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN
								12.0		630	80100	12.0	SF	SIGN, FLAT SHEET
							6.40			644	00104	6.40	MILE	EDGE LINE, 6"
							7.54			644	00204	7.54	MILE	LANE LINE, 6"
							4.03			644	00300	4.03	MILE	CENTER LINE
								380		644	00400	380	FT	CHANNELIZING LINE, 8"
								266		644	00500	266	FT	STOP LINE
								1,232		644	00620	1,232	FT	CROSSWALK LINE, 12"
								145		644	00700	145	FT	TRANSVERSE/DIAGONAL LINE
								5		644	01300	5	EACH	LANE ARROW, 96"
								1		644	01410	1	EACH	WORD ON PAVEMENT, 96"
								225		644	01510	225	EACH	DOTTED LINE, 6"
								192		644	20800	192	FT	YIELD LINE
	2									647	21013	2	EACH	SPEED MEASUREMENT MARKING, TYPE B125, AS PER PLAN
														MAINTENANCE OF TRAFFIC
			100							614	11110	100	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
		1								614	13000	1	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
			3							614	18601	3	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
		15.08								614	20560	15.08	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT
		4.02								614	21550	4.02	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT
		6.40								614	22360	6.40	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT
		225								614	24612	225	FT	WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT

DESIGN AGENCY

DESIGNER

RMA

REVIEWER

JSL 06/01/25

PROJECT ID


117214

SHEET

20

TOTAL

24

DESIGN AGENCY	
	
DESIGNER	
RMA	
REVIEWER	
JSL	06/01/25
PROJECT ID	
117214	
SHEET	TOTAL
21	24

LOC. 1A	LOC. 1B	PLAN SPLITS		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
		01/STR	02/S5K						
								ROADWAY	
2,470	1,396	2,470	1,396	202	23500	3,866	SY	WEARING COURSE REMOVED	
6.40	5.32	6.40	5.32	209	60500	11.72	MILE	LINEAR GRADING	2
								DRAINAGE	
4		4		611	98631	4	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	3
1		1		611	98635	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	3
10		10		611	99654	10	EACH	MANHOLE ADJUSTED TO GRADE	
								PAVEMENT	
125	125	125	125	253	02000	250	CY	PAVEMENT REPAIR	
132,200	94,161	132,200	94,161	254	01000	226,361	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.50"	
10,744	7,573	10,744	7,573	407	20000	18,317	GAL	NON-TRACKING TACK COAT	
3,004	2,440	3,004	2,440	408	10001	5,444	GAL	PRIME COAT, AS PER PLAN	2
	160		160	409	30000	160	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	2
5,510	3,925	5,510	3,925	441	50101	9,435	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG70-22M	4
87	49	87	49	441	70000	136	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
	160		160	516	31011	160	FT	2" DEEP JOINT SEALER, AS PER PLAN	2
418	339	418	339	617	10101	757	CY	COMPACTED AGGREGATE, AS PER PLAN	2
3.09	2.64	3.09	2.64	618	43000	5.73	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
3.09	2.64	3.09	2.64	874	21000	5.73	MILE	LONGITUDINAL JOINT PREPARATION	3

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

RMA

REVIEWER

JSL 06/01/25

PROJECT ID

117214

SHEET

23

TOTAL

24

LOC. 1A	LOC. 1B	PLAN SPLITS		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
		01/STR	02/S5K						
								TRAFFIC CONTROL	
790	548	790	548	621	00100	1,338	EACH	RPM	
790	548	790	548	621	54000	1,338	EACH	RAISED PAVEMENT MARKER REMOVED	
29.0	55.0	29.0	55.0	630	03101	84.0	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	3
12.0	27.0	12.0	27.0	630	80100	39.0	SF	SIGN, FLAT SHEET	
	1		1	630	84900	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
	1		1	630	86002	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
6.40	5.28	6.40	5.28	644	00104	11.68	MILE	EDGE LINE, 6"	
7.54	5.13	7.54	5.13	644	00204	12.67	MILE	LANE LINE, 6"	
4.03	2.64	4.03	2.64	644	00300	6.67	MILE	CENTER LINE	
380	400	380	400	644	00400	780	FT	CHANNELIZING LINE, 8"	
266	185	266	185	644	00500	451	FT	STOP LINE	
1,232		1,232		644	00620	1,232	FT	CROSSWALK LINE, 12"	
145		145		644	00700	145	FT	TRANSVERSE/DIAGONAL LINE	
5	2	5	2	644	01300	7	EACH	LANE ARROW, 96"	
1	1	1	1	644	01410	2	EACH	WORD ON PAVEMENT, 96"	
225	400	225	400	644	01510	625	EACH	DOTTED LINE, 6"	
192		192		644	20800	192	FT	YIELD LINE	
	0.04		0.04	646	10010	0.04	MILE	EDGE LINE, 6"	
	0.04		0.04	646	10110	0.04	MILE	LANE LINE, 6"	
	0.02		0.02	646	10200	0.02	MILE	CENTER LINE	
2		2		647	21013	2	EACH	SPEED MEASUREMENT MARKING, TYPE B125, AS PER PLAN	3
								MAINTENANCE OF TRAFFIC	
100	100	100	100	614	11110	200	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
1	5	1	5	614	13000	6	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
3	3	3	3	614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	6
15.08	10.26	15.08	10.26	614	20560	25.34	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
4.02	2.64	4.02	2.64	614	21550	6.66	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
6.40	5.28	6.40	5.28	614	22360	11.68	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
225	400	225	400	614	24612	625	FT	WORK ZONE DOTTED LINE, CLASS III, 6", 642 PAINT	
								INCIDENTALS	
		LS	LS	614	11000		LS	MAINTAINING TRAFFIC	
		LS	LS	623	10000		LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
		LS	LS	624	10000		LS	MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

RMA

REVIEWER

JSL 06/01/25

PROJECT ID

117214

SHEET

24

TOTAL

24