(N/A MAINTENANCE PROJECT)

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END PROJECT
SLM 19.62
MAH US 224

END PROJECT
SLM 0.62
MAH US 224

END PROJECT
SLM 0.22
MAH SR 625

BEGIN PROJECT
SLM 0.00
MAH SR 625

BEGIN PROJECT
SLM 0.00
MAH SR 625

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MAH-224-13.64 PART 1

FOR PART 2 SEE MAH-224/625-15.51/0.00

BOARDMAN & CANFIELD TOWNSHIP

MAHONING COUNTY

LATITUDE: N41°01'28" LONGITUDE: W80°40'50"

SLM 13.64 MAH US 224

TITLE SHEET	1
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STRUCTURES	15-25

INDEX OF SHEETS:

2019 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.

EARTH DISTURBED AREAS

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

PROJECT EDA:

I HEREBY APPROVED 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.

DESIGN DESIGNATION

PORTION TO BE IMPROVED____

CURRENT ADT (2019) 32000

DESIGN FUNCTIONAL CLASSIFICATION:

MAH US 224 SLM 13.64-19.47 (PRINCIPAL ARTERIAL)

NHS PROJECT YES

LOCATION MAP

SCALE IN MILES

INTERSTATE HIGHWAY ______FEDERAL ROUTES _____

STATE ROUTES

COUNTY & TOWNSHIP ROADS.____

DESIGN EXCEPTIONS

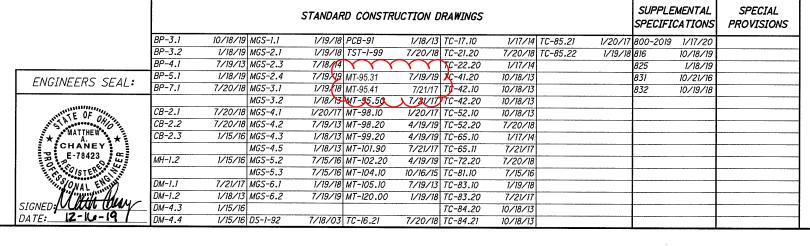
NONE

DESIGN EXCELLING

UNDERGROUND UTILITIES

OHIO811.org
Before You Dig

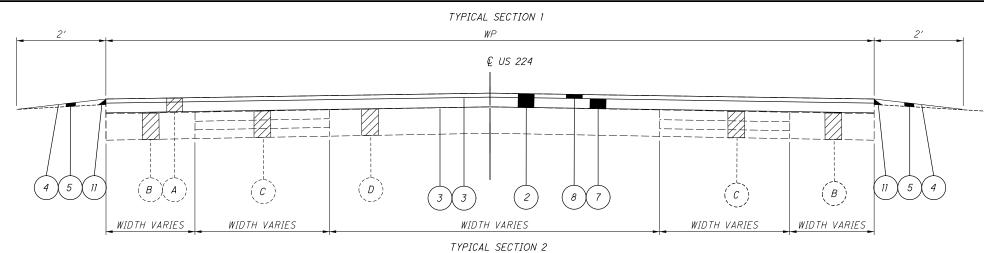
PLAN PREPARED BY: ODOT DISTRICT 4 PLANNING & ENGINEERING 2088 SOUTH ARLINGTON RD AKRON, OH 44306



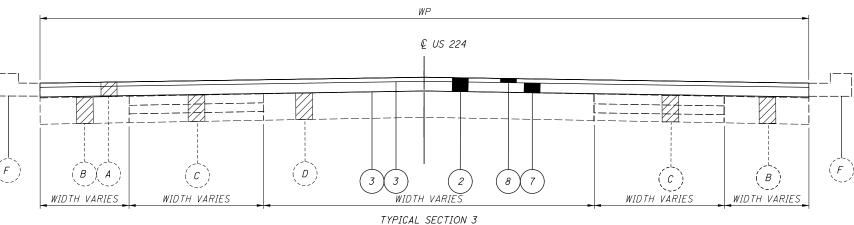
APPROVED, HANDON DIRECTOR

APPROVED

_____ DIRECTOR, DEPARTMENT OF
TRANSPORTATION



TYPICAL SECTION 1													
ROUTE	SL	SLM LENGTH PV											
KOUTE	FROM	TO	(MILES)	(FEET)									
US 224	14.12	14.16	0.04	68									
US 224	14.22	14.28	0.06	1 88									
US 224	15.44	15.91	0.47	77 -									
US 224	15.93	16.03	0.1	₩									



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	ROUTE	SL	.M	PW		
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γ	US 224	14.44	14.61	0.17	70	
	US 224	14.68	14.73	\0 .05\	\\ 34\\	\mathcal{I}
	US 224	14.73	15.06	0.33	61	
	US 224	15.06	15.16	0.1	64 AVG.	
	US 224	15.16	15.26	0.1	71	
	US 224	15.26	15.44	0.18	74 AVG.	
	US 224	16.27	17.71	1.44	62	
	US 224	17.71	17.81	0.1	72	
	US 224	18.23	18.46	0.23	60	
	US 224	18.46	18.61	0.15	84	

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	US 224	16.08	16.17	0.09	60		
	US 224	16.21	16.27	0.06	60		

$\langle \ , \ \rangle$	251	DAVEMENT	DI ANTNIC	A CDUAL T	CONCRETE (T=4 1/4"±)	
- /	1 204,	FAVENENI	L'AINTING,	ASFRALI	CONUNETE (1-4 1/4 I)	
$\overline{}$	/					

- 254, PAVEMENT PLANING, ASPHALT CONCRETE (T=5 $\frac{1}{2}$ "±)
- 3 ` 407, NON-TRACKING TACK COAT *

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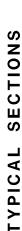
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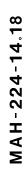
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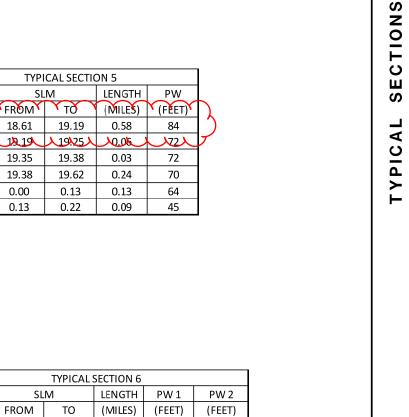
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- 408, PRIME COAT, AS PER PLAN @ 0.40 GAL/SY
- 617, COMPACTED AGGREGATE, AS PER PLAN
- 442, ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE B (446), (T= 3")
- 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446), AS PER PLAN, PG64-28 (T=4 1/2")*
- 424, FINE GRADED POLYMER, TYPE B, AS PER PLAN (T= 1") (TRUCK ADT > 1500)
- 424, FINE GRADED POLYMER, TYPE B, AS PER PLAN (T=1 1/4") (TRUCK ADT > 1500)
- 897, PAVEMENT PLANING, ASPHALT CONCRETE (T=1 1/4"±)
- SAFETY EDGE (SEE SCD BP-3.2)
- * 441, ASPHALT CONCRETE INTERMEDIATE COURSE NOTE ON SHEET 4.

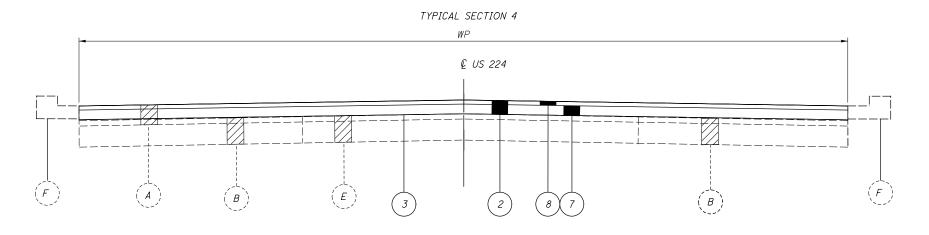
- (A) EXISTING ASPHALT CONCRETE SURFACE
- EXISTING ASPHALT CONCRETE BASE
- EXISTING BITUMINOUS AGGREGATE BASE (2-4" COURSES)
- D) EXISTING MACADAM BASE
- EXISTING BRICK BASE
- EXISTING CURB AND GUTTER (IN VARIOUS LOCATIONS)
- (G) EXISTING CONCRETE SHOULDER (TO REMAIN)







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	TYPICAL SECTION 5 WP	
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	TYP	ICAL SECTION 6	
L	WP i	€ US 224 WP 2	<u>-</u> -
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(\widehat{F})	(D) (A) (10) (3) (9)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(F)
`\/		INTERSECTION APPROACH (WB AND EB) PAVED PER NOTE ON PAGE 5.	

		TYPICAL	SECTION 6	
DOLITE	SL	.M	LENGTH	PW 1
ROUTE	FROM	то	(MILES)	(FEET
US 224	19.25	19.35	0.1	24

TYPICAL SECTION 4

TO

17.89

18.15

LENGTH

(MILES)

0.08

0.26

PW

(FEET)

79 AVG.

72

60

SLM

US 224 18.15 18.22 0.07

FROM

17.81

17.89

18.61

18.19

19.35

19.38

0.00

0.13

ROUTE

US 224

US 224

US 224

JUS 224

US 224

US 224

SR 625

SR 625

LEGEND SEE SHEET 2 FOR LEGEND

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1047 FT

UTILITIES

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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 IN ALL ARFAS.

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

OGPUPS 1-800-925-0988

ODOT 330-786-2267 MICHELLE CHANEY

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

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.

PAVING AT RAILROAD CROSSING

WORK THE CROWN OUT OF THE PROPOSED PAVEMENT ON EACH SIDE OF THE RAILROAD CROSSING, BEGINNING 50 FEET FROM THE NEAREST RAIL, BY RAISING THE EDGES OF THE NEW PAVEMENT TO MEET THE PLATFORM FI FVATION.

PROFILE AND ALIGNMENT

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

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS [AT LEAST 3 DAYS PRIOR TO PERFORMING THE WORK CONTACT THE TRAFFIC OFFICE AT 330-786-3147 TO CONFIRM THE

> S.L.M. TO S.L.M. LANE WIDTH 14.12 19.47 12' (AVG.) US 224

CURB AND GUTTER REPAIR

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO REPAIR DETERIORATED SECTIONS OF CURB AND



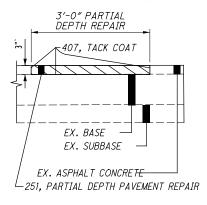
PAVEMENT MARKING DETAILS

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

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (WIDENING JOINT REPAIR US 224 SLM 13.64-14.12)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED TO REPAIR THE WIDENING JOINT ON US 224 FOR SLM 13.64-14.12. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 448 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13. 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: DRAWING BP-3.1, SHALL BE USED TO PROVIDE A SMOOTH

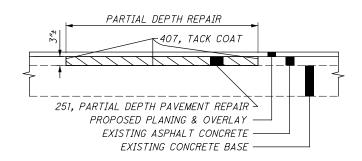
251, PARTIAL DEPTH PAVEMENT REPAIR, 850 SQ. YD.



ITEM 251 - PARTAL DEPTH PAVEMENT REPAIR (441) (SLM 18.61-19.62)

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 I 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 5 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:

251, PARTIAL DEPTH PAVEMENT REPAIR (441), 300 SQ. YD.



INTERSECTIONS

INTERSECTIONS WILL BE RESURFACED TO ET BEYOND THE EDGE OF PAVEMENT WITH SURFACE COURSE ONLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE OR WITH THE MAINLINE PAVEMENT IF THIS CAN BE ACCOMPLISHED WITHOUT CHANGING THE VELOCITY AND DIRECTION OF THE PAVER. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT. A BUTT JOINT, AS PER STANDARD CONSTRUCTION TRANSITION TO THE EXISTING PAVEMENT. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE ASPHALT SURFACE COURSE.

INTERSECTION OF US 224 & SOUTH AVE.

PROVIDE ADDITONAL 3" OF MILLING AND ITEM 441 INTERMEDIATE COURSE AT THE RUTTED APPROACH PAVEMENT INCLUDING TURN LANES AT SOUTH AVE. FOR 300 FEET EAST AND WEST OF INTERSECTION.

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 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

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

703.05 DO NOT USE ANY 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 441 - ASPHALT INTERMEDIATE COURSE, TYPE 2, (446), AS PER PLAN, PG64-28

THIS ITEM OF WORK SHALL BE IN CONFORMANCE WITH ITEM 441 OF CMS EXCEPT THAT THE CONTRACTOR SHALL PLACE THE INTERMEDIATE COURSE IN ONE (1) 4 1/2 INCH LIFT. IF OPTIMUM DENSITY PER ITEM 446 OF CMS IS NOT ACHIEVED THE CONTRACTOR SHALL PLACE THE INTERMEDIATE COURSE IN TWO (2) SEPARATE LIFTS WITH NON-TRACKING TACK COAT BETWEEN THE LIFTS. THE NON-TRACKING TACK COAT BETWEEN LIFTS SHALL BE AT NO ADDITIONAL COST TO THE DEPARTMENT. ALL EQUIPMENT, LABOR, TOOLS, NON-TRACKING TACK COAT AND OTHER INCIDENTALS TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 441, ASPHALT INTERMEDIATE COURSE, TYPE 2, (446), AS PER PLAN, PG64-28.

ITEM 831 - LONGITUDINAL CHANNELIZING DEVICE

LONGITUDINAL CHANNELIZING DEVICES SHALL BE INSTALLED AT THREE LOCATIONS ON THIS PROJECT. NEW CENTERLINE MARKINGS WILL BE PLACED WITH THIS ITEM AND ARE QUANTIFIED ON SHEET 12. THE DEVICES SHALL BE PLACED NEAR THE INTERSECTIONS OF US 224 WITH THE SHOPS AT BOARDMAN PARK AND SOUTH AVENUE. REFER TO SHEETS 14A - 14C FOR DETAILS AND PLACEMENT INFORMATION. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 831 - LONGITUDINAL CHANNELIZING DEVICE

ITEM 611 CATCH BASIN TO GRADE, AS PER PLAN

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611, CATCH BASIN ADJUSTED TO GRADE 10 EACH

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ITEM 622 32" PORTABLE BARRIER PLACEMENT

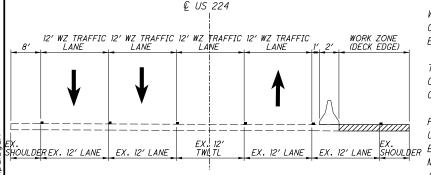
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DURING THE PLACEMENT OF THE PORTABLE BARRIER, TRAFFIC WILL BE PROHIBITED FROM OCCUPYING THE TRAVEL LANE ADJACENT TO THE BARRIER. THE BARRIER WILL BE PLACED AT NIGHT PER THE WORK HOUR RESTRICTION NOTE AND IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE MAP. THE CLOSURE OF THE ADJACENT LANE WILL BE PER THE STANDARD DRAWING MT-95.31.

THE CONTRACTOR WILL SUBMIT A PLAN TO THE ENGINEER FOR APPROVAL SEVEN (7) DAYS IN ADVANCE OF THE PLANNED LANE CLOSURE. WORK WILL NOT BEGIN UNTIL APPROVAL OF THE PLANS HAS BEEN GRANTED.

ALL COSTS INVOLVED IN PLACING THE PORTABLE CONCRETE BARRIER WILL BE INCLUDED IN THE CONTRACT PRICE BID FOR ITEM 622 PORTABLE CONCRETE BARRIER.



TYPICAL SECTION

WORK ZONE QUANTITIES (DECK EDGE REPLACEMENT)

THE FOLLOWING ITEMS HAVE BEEN CARRIED TO THE GENERAL SUMMARY AND SHALL BE USED IN WORK DETAILED ON SHEETS 20-21.

ITEM 614, WORK ZONE CHANNELIZING LINE, CLASS 1, 8", 480FT ITEM 614, BARRIER REFLECTORS, TYPE 1 10 EACH

160 FT

(BIBINECTIONAL)	IO LACIT
ITEM 614, OBJECT MARKERS, TWO-WAY	10 EACH
ITEM 614, WORK ZONE IMPACT ATTENUATOR, (BIDIRECTIONAL)	4 EACH
ITEM 622, PORTABLE BARRIER, 32",	360 FT

ITEM 622, PORTABLE BARRIER, 32", BRIDGE MOUNTED

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NONGATING IMPACT ATTENUATOR, FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EX. 12' LANE EX. 12' LANE SHOULDER EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

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3,500	14							0.050		(3,500	3		202	32500	3,500		CURB AND GUTTER REMOVED		
4 , ,	$+ \rightarrow -$				1			2,650 21			2)650\ 21	У—		202 202	38000	2,650		GUARDRAIL REMOVED REMOVAL MISC.: BARRIER REFLECTOR	9	-
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								10			10			606	26150	10	EACH	ANCHOR ASSEMBLY, MGS TYPE E		
								4			4			606	32160	4		BRIDGE TERMINAL ASSEMBLY, TYPE TST		
								4			4			606	35002	4		MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1		
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ā	+			-(178,563	1			20	<u> </u>	178,563 20		1	254 301	01000 46000	178,563 20		PAVEMENT PLANING, ASPHALT CONCRETE ASPHALT CONCRETE BASE, PG64-22		თ
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ž.				7					33	>	33		K	304	20000	33	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)		
0250				7	31,451	1				(_	30,797	654	2	407	20000	31,451		NON-TRACKING TACK COAT		
37.20	1			(_	629	14				(629	050	1)	408	10001	629		PRIME COAT, AS PER PLAN	4	_
χ 2				(6,771 21,969	+				ر	6,519 21,969	252	- 	424 441	12001 00100	6,771 21,969		FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN ANTI-SEGREGATION EQUIPMENT	4	-
				_ ~	21,909						21,909		K	441	00100	21,909	Ci	ANTI-SEGREGATION EQUIPMENT		-
Φ Φ				\rightarrow	21,969	()				\rightarrow	21,969		K	441	10201	21,969	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446), AS PER PLAN, PG64-28	4	1
				7	235	1				<u> </u>	235		V	442	10150	235		ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE B (446)		
3,500	1)					1					3,500		<u> </u>	609	12000	3,500		COMBINATION CURB AND GUTTER, TYPE 2		
500	<u>n</u> —			(_	144	14-					500		<u> </u>	609	24510	500		CURB, TYPE 4-C COMPACTED AGGREGATE. AS PER PLAN		-
	+			- (-	44	+					44		- 	617	10101	44	CY	COMPACTED AGGREGATE, AS PER PLAN	4	-
32.	+ +			ح –	52,306						45,048	7,258	1	897	01010	52,306	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A		-
/94				7	ر د د							کک	/							1
e+8																		WATER WORK		
. Pe	42				-						42			638	10801	42	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	6	
<u>~</u>	1				-	-							1					TRAFFIC CONTROL		
Ş	1				<u> </u>		1,612				1,612		+	621	00100	1,612	EACH	RPM TRAFFIC CONTROL		_
ğ					<u> </u>		1,290				1,290			621	54000	1,290		RAISED PAVEMENT MARKER REMOVED	1	4 4
, L								30			30			626	00110	30		BARRIER REFLECTOR, TYPE 2		
sig	2												2	630	79000	2		SIGN HANGER ASSEMBLY, SPAN WIRE		<u>ျ</u>
0	24				1	1							24	630	80100	24	SF	SIGN, FLAT SHEET		↓ ∵
81.	3				1	 							3	630	87400	3	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL		4
4	+ -				1	3.92					3.92		 	646	10010	3.92		EDGE LINE, 6"	- 	7
25.2						10.64					10.64			646	10110	10.64		LANE LINE, 6"	1	1 1
4132						5.44					5.42		0.02	646	10200	5.44		CENTER LINE] 王
6/	\bot					11,655					11,420		235	646	10300	11,655	FT	CHANNELIZING LINE, 8"] ≰
I -	1				<u> </u>	1 040					1 040		1	646	10400	1 0 4 0	ЕТ	ISTOD LINE		Σ
MA A	1 1				1	1,243	-				1,243 1,990		1	646 646	10400 10500	1,243 1,990		STOP LINE CROSSWALK LINE		-
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jectData\MAH																	FT			9

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