PROJECT DESCRIPTION

EARTH DISTURBED AREAS

BRIDGE MAINTENANCE ON VARIOUS ROUTES IN MAH, POR, AND TRU COUNTIES.

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

ASHT ABUL A

LOCATION MAP

STARI

LATITUDE: 41°00'57"

MAH-45-0580 NO

MAH-46-0796 NO

MAH-46-1635 NO MAH-76-0165 YES

MAH-165-1729 NO

MAH-165-1924 NO

POR-14-2650 NO

POR-76-1115 YES

POR-76-1306L YES

POR-76-1363 YES

POR-76-1489 YES

STRUCTURE NHS FUNCTIONAL CLASSIFICATION

MAH-11-1341 YES URBAN FREEWAY AND EXPRESSWAY

RURAL MINOR ARTERIAL

URBAN MAJOR COLLECTOR

RURAL MINOR ARTERIAL

RURAL MÁJOR COLLECTOR

URBAN PRINCIPAL ARTERIAL

RURAL INTERSTATE

URBAN MINOR ARTERIA

RURAL MAJOR COLLECTOR

RURAL MAJOR COLLECTOR

RURAL MINOR ARTERIAL

RURAL INTERSTATE

RURAL INTERSTATI RURAL INTERSTATE

RURALINTERSTATE

RURAL INTERSTATI

RURAL INTERSTAT

LONGITUDE: 81°29'30"

STRUCTURE NHS

POR-75-1960 YES

POR-76-2057L YES

POR-76-2057R YES

TRU-45-0997 NO

TRU-80-0462 YES

TRU-80-0498R YES

TRU-80-0590L YES

TRU-80-0590R YES

TRU-422-0877 NO

RURAL INTERSTATE

RURAL INTERSTATE

RURAL MINOR ARTERIAL

URBAN INTERSTATE

URBAN PRINCIPAL ARTERIA

TRU-5-0689 YES URBAN FREEWAY AND EXPRESSWA

TRU-5-0918 YES URBAN FREEWAY AND EXPRESSWAY

TRU-5-1100L YES URBAN FREEWAY AND EXPRESSWAY

D04-BH-FY2020 (EAST)

AUSTINTOWN, BEAVER, BOARDMAN, CANFIELD, ELLSWORTH, GOSHEN, GREEN, AND MILTON TOWNSHIP, VILLAGE OF POLAND MAHONING COUNTY

EDINBURG, DEERFIELD, PALMYRA, RANDOLPH AND ROOTSTOWN TOWNSHIP FUNCTIONAL CLASSIFICATION PORTAGE COUNTY

> CHAMPION, LIBERTY, HUBBARD, AND WARREN TOWNSHIP, CITY OF WARREN, VILLAGE OF LORDSTOWN TRUMBULL COUNTY

LIMITED ACCESS

NOTICE OF INTENT EDA:

PROJECT EDA:

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

ESTIMATED CONTRACTOR EDA: N/A (MAINTENANCE PROJECT)

N/A (MAINTENANCE PROJECT)

N/A (MAINTENANCE PROJECT)

2019 SPECIFICATIONS

CONFORMED SET

SUPPLEMENTAL SPECIFICATIONS

800-2019 10/18/1

4/20/1

PROVISIONS

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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND

INDEX OF SHEETS:

TITLE SHEET	1
LOCATION MAP	2
GENERAL NOTES	3
MAINTENANCE OF TRAFFIC	4-
GENERAL SUMMARY	6-
STRUCTURES	8

DESIGN EXCEPTIONS

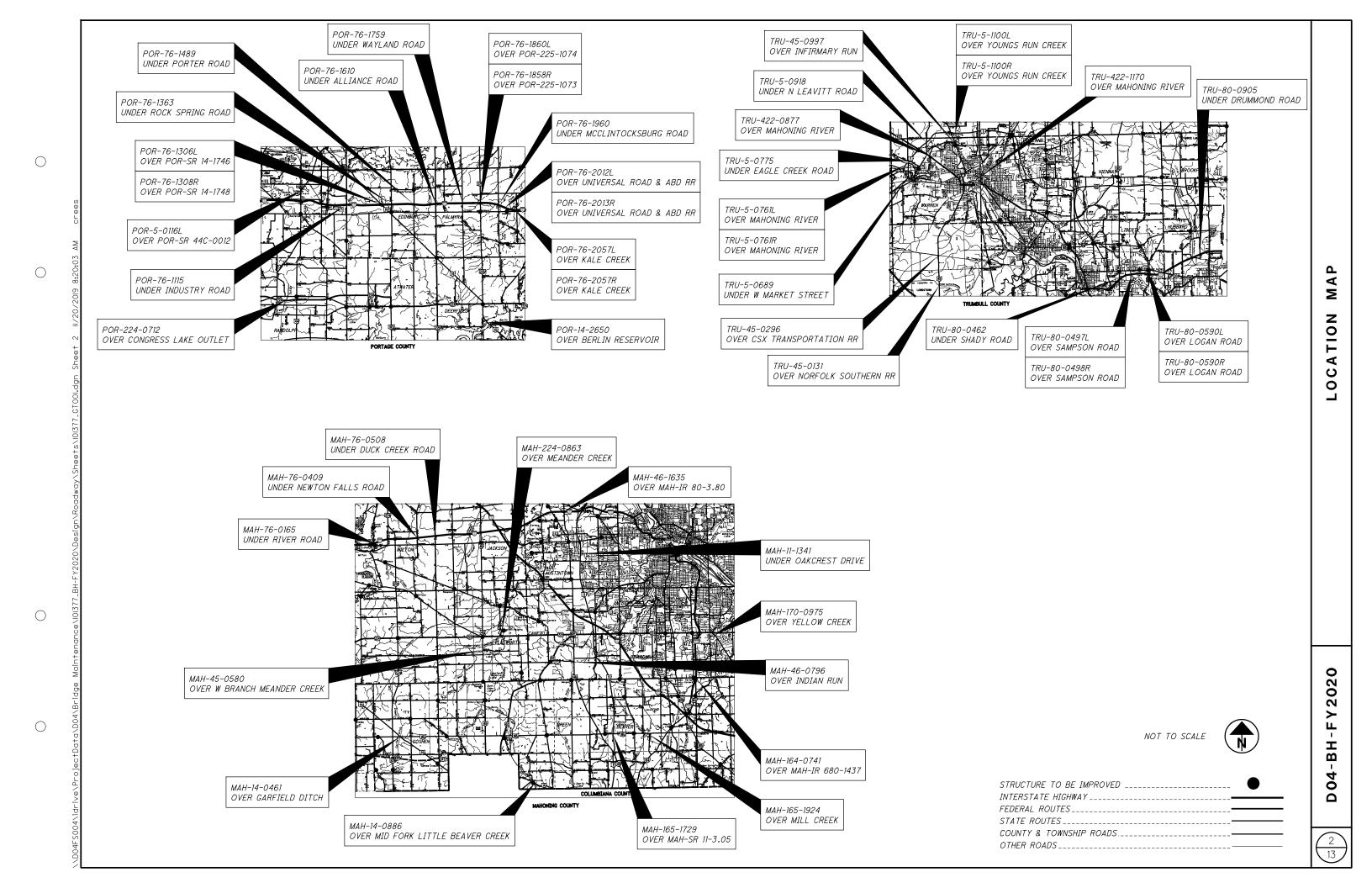
NONE



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

	STANDARD CONSTRUCTION DRAWINGS										
	MT-95.30	4/19/19									
	MT-95.31	4/19/19				***************************************					
	MT-95.32	4/19/19									
WELDE CENT	MT-97.10	4/19/19									
INEERS SEAL:	MT-99.20	4/19/19									
	MT-101.70	7/20/18									
MEST DE DE	MT-101.75	7/15/16									
MARK	MT-105.10	7/19/13			100						
ANDRÁSIK	TC-41.20	10/18/13									
E-80194	TC-52.10	10/18/13									
CISTER	TC-52.20	7/20/18									
ONAL EMPRES					50/8						
m.ali	-					***************************************					
11/19/19			- productive (p								

13



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 AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY) OGPUPS 1-800-925-0988

ODOT 330-786-2267 MICHELLE CHANEY

AND MATERIALS SPECIFICATIONS.

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.

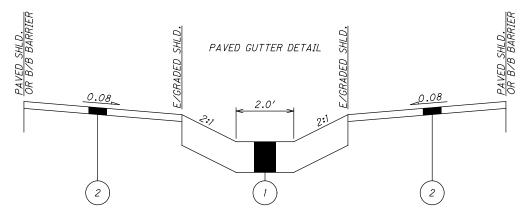
CONCRETE GUTTER (TRU-80 - SLM 1.75 TO 1.80)

THE FOLLOWING QUANTITIES HAS BEEN CARRIED TO THE GENERAL SUMMARY AND IS TO BE USED AS DIRECTED BY THE ENGINEER TO PATCH THE HOLES IN THE EXISTING ASPHALT AROUND THE GUARDRAIL POSTS AND THE REMOVE/REPLACE THE EXISTING DAMAGED CONCRETE GUTTER. SEE PAVED GUTTER DETAIL BELOW FOR THE FOLLOWING WORK.

601, PAVED GUTTER, TYPE 1-2, AS PER PLAN 70 FT

441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), UNDER GUARDRAIL, AS PER PLAN 3 CY

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO REMOVE THE EXISTING CONCRETE GUTTER SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN.



(1) ITEM 601 - PAVED GUTTER, TYPE 1-2, AS PER PLAN

2) ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN

PAVEMENT MARKINGS

THIS WORK WILL CONSIST OF REPLACING THE EXISTING PAVEMENT MARKINGS THAT ARE REMOVED DURING THE SURFACE PREPARATION OF ITEM 512, TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

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.

	642	642	642	642	642	642		626	626	626
					TRANSVERSE/DIAGONAL LINE			BARRIER REFLECTOR, TYPE 1(BIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1(ONE-WAY)	BARRIER REFLECTOR, TYPE 2(BIDIRECTIONAL)
	9	9	単	CHANNELIZING LINE,	NO NO	≥		JER REFLECTOR, 1 1(BIDIRECTIONAL)	OR,	RIER REFLECTOR, 1 2(BIDIRECTIONAL)
	ы́		CENTER LINE	<u></u> 5	AGG	LANE ARROW		CT IOI	REFLECTO	CT TO
STRUCTURE	5		E.	ZZ	Q.	AR		E EC	FLE E-V	
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MAII 44 4244										
MAH-11-1341 MAH-14-0461	0.04		0.02							4
MAH-14-0886	0.06		0.02					4		7
MAH-45-0580	0.05		0.02							
MAH-46-0796	0.05		0.02					4		
MAH-46-1635 MAH-76-0165	0.13	0.13	0.07	345		4		8		
MAH-76-0409	0.13 0.12		0.07					8		
MAH-76-0508	0.12		0.06					8		
MAH-164-0741	0.12	0.06	0.06	514	12	8		8		
MAH-165-1729	0.13		0.06					8		
MAH-165-1924 MAH-170-0975	0.04 0.06		0.02					4		
MAH-224-0863	0.00		0.03					4		6
111/11/22 1 3333	0.00		0.04							0
POR-5-0116L	0.12		0.06						8	
POR-14-2650	0.13		0.06							8
POR-76-1115 POR-76-1306L	0.07	0.05	0.04					4	6	
POR-76-1308R	0.10 0.10	0.05 0.05							6	
POR-76-1363	0.10	0.00	0.05					6		
POR-76-1489	0.10		0.05					6		
POR-76-1610	0.10		0.05					6		
POR-76-1759 POR-76-1860L	0.10	0.00	0.05					6	4	
POR-76-1858R	0.06 0.06	0.03							4	
POR-76-1960	0.11	0.00	0.05							6
POR-76-2012L	0.09	0.05							6	
POR-76-2013R	0.09	0.05							6	
POR-76-2057L POR-76-2057R	0.05 0.05	0.02							4	
POR-76-2037K POR-224-0712	0.05	0.02	0.03						4	4
T ON EET OF IE	0.00		0.00							
TRU-5-0689	0.15		0.07					8		
TRU-5-0761L	0.11	0.05							6	
TRU-5-0761R TRU-5-0775	0.11 0.10	0.05	0.05					6	6	
TRU-5-0918	0.10		0.05					8		
TRU-5-1100L	0.05	0.02	3.00						4	
TRU-5-1100R	0.05	0.02							4	
TRU-45-0131	0.06	0.06	0.03					4		
TRU-45-0296 TRU-45-0997	0.09	0.09	0.05 0.04					6		
TRU-80-0462			0.04					8		
TRU-80-0497L	0.08	0.04							6	
TRU-80-0498R	0.08	0.04							6	
TRU-80-0590L	0.06	0.03							4	
TRU-80-0590R TRU-80-0905	0.06 0.13	0.03	0.07					8	4	
TRU-422-0877	0.13	0.16	0.07	321	48	6		10		
TRU-422-1170	0.10	0.10	0.05					6		
TOTALS CARRIED TO GENERAL SUMMARY	4.13	1.18	1.57	1180	60	18	0	160	88	28

ED QUANTITIES HAVE BEEN CARRIED

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MAINTENANCE OF TRAFFIC

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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 LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
- 2. ON 2 AND 3 LANE SECTIONS: A MINIMUM OF ONE TEN FOOT BIDIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING AND COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
- 3. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
- 4. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT
- 5. MAH-11, MAH-76, MAH-680, POR-76, TRU-5 AND TRU-80: TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.
- 6. 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 RURAL OR ONE [1] MILE URBAN.
- 7. 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.
- 8. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION.
- 9. THE CONTRACTOR SHALL PLACE THE SIGN 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 MAIN-TENANCE OF TRAFFIC ON THIS PROJECT: 614, WORK ZONE MARKING SIGN (ALL PHASES), 120 EACH

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 REP-RESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISS-ING 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.

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 NEW YEARS MEMORIAL DAY

FOURTH OF JULY LABOR DAY **THANKSGIVING**

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEP-ENDS 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 MONDAY TUESDAY WEDNESDAY THURSDAY

12:00N FRIDAY THROUGH 6:00 AM MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY 12:00N TUESDAY THROUGH 6:00 AM THURSDAY 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY

THURSDAY (THANKSGIVING ONLY) 6:00 AM WEDNESDAY THROUGH 6:00 AM

MONDAY

FRIDAY

MONDAY

12:00N THURSDAY THROUGH 6:00 AM

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 \$3.000 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS RF USED

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN A NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS. THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS, THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING THE SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 300 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

LANE CLOSURES (MAH-11, MAH-76, MAH-680, POR-76, TRU-5 AND TRU-80)

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART. THE PERMIT-TED LANE CLOSURE CHART USED FOR THIS PROJECT SHALL BE THE MOST CURRENT CHART AVAILABLE ON THE DATE THIS PROJECT SELLS.

THE CHART CAN BE FOUND AT: http://plcm.dot.state.oh.us

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE REQUIRE-MENTS IN THE CHART, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN THE AMOUNT OF \$2,500 PER HOUR OR PORTION THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

ITS MESSAGE BOARDS

THE EXISTING ITS MESSAGE BOARDS IN THE VICINITY OF THE PROJECT WILL BE UTILIZED TO PROVIDE SUPPLEMENTAL INFORMATION TO THE TRAVELING PUBLIC. THE CONTRACTOR WILL NOTIFY THE PROJECT ENGINEER ONE (1) WEEK IN ADVANCE OF ANY PHASE CHANGE ON MAH-76, MAH-45 AND POR-5. THE PROJECT ENGINEER WILL COORDINATE WITH BRENT KOVACS AT 330-786-2208 TO GET THE ITS MESSAGE BOARDS ADJUSTED.

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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.

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL 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 DRIVEABLE PAVEMENT DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

	NOTIFICATIO	ON TIME TABLE
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
ROAD & RAMP	>= 2WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
CLOSONES	<12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
RESTRICTIONS	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF		
CONSTRUCTION &	N/A	 14 CALENDAR DAYS PRIOR TO IMPLEMENTATION
TRAFFIC PATTERNS	11/5	THE CALLACTOR OF THE PROPERTY
CHANGES		

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

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL BE ADVISED THAT PROJECT 94140 (MAH-76/VAR-1.30/VAR) AND 100957 (POR-5/44-0.55/VAR) MAY BE ONGOING IN AN AREA IMMEDIATELY ADJACENT TO AND WITHIN THE PROJECT LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO AS TO CAUSE A MINIMUM OF DELAY OR CONFLICT WITH THE OTHER PROJECTS. IN ACCORDANCE WITH 105.08, THE CONTRACTOR SHALL ARRANGE WITH THE OTHER CONTRACTORS APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL RECIEVE DAILY APPROVALS FROM THE ENGINEER PRIOR TO COMMENCING ANY OPERATIONS. ANY CONFLICT BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREA, OR COOPERATION SHALL BE RESOLVED BY THE ENGINEER. COMPEN-SATION FOR THE ABOVE COOPERATION SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS INCLUDED WITHIN THIS PROJECT.

		SHEET	NUM.				04/11/10/15		PAF		OF IOTO ID		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET
	3	4	5		9	10	R R	02/NH5/B R	03/S>2/B R	04/S<2/B R	05/STR/B R	06/IMS/OT		EXT	TOTAL			NO.
																	EROSION CONTROL	
- 	70											70	601	37501	70	FT	PAVED GUTTER, TYPE 1-2, AS PER PLAN	8
							3,000						832	30000	3,000	EACH	EROSION CONTROL	—
																	PAVEMENT	
	3											3	441	50701	3	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN	8
																	TRAFFIG CONTROL	
	160						84	60	4	4	8		626	00102	160	EACH	TRAFFIC CONTROL BARRIER REFLECTOR, TYPE 1(BIDIRECTIONAL)	
+	88						54	28	-	7	6		626	00102	88	EACH	BARRIER REFLECTOR, TYPE 1(DIDIRECTIONAL)	+
+ +	28						6				22		626	00110	28	EACH	BARRIER REFLECTOR, TYPE 2(BIDIRECTIONAL)	1
	4.13						2.12	1.35	0.06	0.06	0.54		642	00094	4.13	MILE	EDGE LINE, 6"	1
	1.18						0.58	0.55			0.05		642	00194	1.18	MILE	LANE LINE, 6"	
																		<u> </u>
	1.57						0.75	0.55	0.03	0.03	0.21		642	00290	1.57	MILE	CENTER LINE	
	1,180 60						859 12	321 48					642 642	00390 00690	1,180 60	FT FT	CHANNELIZING LINE, 8" TRANSVERSE/DIAGONAL LINE	+
+	18						12	6					642	01290	18		LANE ARROW	+
							·-	<u> </u>						0.200				†
							<u></u>	<u> </u>									STRUCTURE REPAIRS	
																	FOR MAH-11-1341 ESTIMATED QUANTITIES	9
																	FOR MAH-14-0461 ESTIMATED QUANTITIES	9
																	FOR MAH-14-0886 ESTIMATED QUANTITIES	9
																	FOR MAH-164-0741 ESTIMATED QUANTITIES FOR MAH-165-1729 ESTIMATED QUANTITIES	9
																	OK WATER OF THE GOARTHES	+ •
																	FOR MAH-165-1924 ESTIMATED QUANTITIES	9
																	FOR MAH-170-0975 ESTIMATED QUANTITIES	9
																	FOR MAH-224-0863 ESTIMATED QUANTITIES	9
																	FOR MAH-45-0580 ESTIMATED QUANTITIES	9
																	FOR MAH-46-0796 ESTIMATED QUANTITIES	9
																	FOR MAH-46-1635 ESTIMATED QUANTITIES	9
- -																	FOR MAH-76-0165 ESTIMATED QUANTITIES	9
																	FOR MAH-76-0409 ESTIMATED QUANTITIES	9
																	FOR MAH-76-0508 ESTIMATED QUANTITIES	9
																	FOR POR-14-2650 ESTIMATED QUANTITIES	9
																		<u> </u>
																	FOR POR-224-0712 ESTIMATED QUANTITIES FOR POR-5-0116L ESTIMATED QUANTITIES	10
+ +																	FOR POR-50-110L ESTIMATED QUANTITIES FOR POR-76-1115 ESTIMATED QUANTITIES	9
																	FOR POR-76-1306L ESTIMATED QUANTITIES	9
																	FOR POR-76-1308R ESTIMATED QUANTITIES	9
																	FOR POR-76-1363 ESTIMATED QUANTITIES	9
																	FOR POR-76-1489 ESTIMATED QUANTITIES	9
+																	FOR POR-76-1610 ESTIMATED QUANTITIES FOR POR-76-1759 ESTIMATED QUANTITIES	9
+ +																	FOR POR-76-1858R ESTIMATED QUANTITIES	9
																		1
																	FOR POR-76-1860L ESTIMATED QUANTITIES	9
																	FOR POR-76-1960 ESTIMATED QUANTITIES	9
																	FOR POR-76-2012L ESTIMATED QUANTITIES	9
																	FOR POR-76-2013R ESTIMATED QUANTITIES FOR POR-76-2057L ESTIMATED QUANTITIES	9
																	FOR FOR-70-2037E ESTIMATED QUANTITIES	+
																	FOR POR-76-2057R ESTIMATED QUANTITIES	9
																	FOR TRU-422-0877 ESTIMATED QUANTITIES	10
																	FOR TRU-422-1170 ESTIMATED QUANTITIES	10
\bot																	FOR TRU-45-0131 ESTIMATED QUANTITIES	10
							<u> </u>	<u> </u>									FOR TRU-45-0296 ESTIMATED QUANTITIES	10
+				-			<u> </u>	<u> </u>									EOD TOLLAS 0007 ESTIMATED OLIANITITES	10
+				1			 	 									FOR TRU-45-0997 ESTIMATED QUANTITIES FOR TRU-5-0689 ESTIMATED QUANTITIES	10
+				1			 	 									FOR TRU-5-0761L ESTIMATED QUANTITIES	10
+								<u> </u>									FOR TRU-5-0761R ESTIMATED QUANTITIES	10
							<u></u>	<u> </u>									FOR TRU-5-0775 ESTIMATED QUANTITIES	10
							I	Γ										T
																	FOR TRU-5-0918 ESTIMATED QUANTITIES	

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SHEET NUM.		1	PART. 01/IMS/B 02/NHS/B 03/S>2/B 04/S<2/B 05/STR/B 06/IMS/OT							ITEM GRAND UNIT			DESCRIPTION					
	3	4	5		9	10	01/IMS/B R	02/NHS/B R	03/S>2/B R	04/S<2/B R	05/STR/B R	06/IMS/OT	11211	EXT	TOTAL	ONT	DESCRIPTION	SHEE NO.
																	FOR TRU-5-1100R ESTIMATED QUANTITIES	10
																	FOR TRU-80-0462 ESTIMATED QUANTITIES	10
																	FOR TRU-80-0497L ESTIMATED QUANTITIES	10
																	FOR TRU-80-0498R ESTIMATED QUANTITIES	10
																	FOR TRU-80-0590L ESTIMATED QUANTITIES	10
																	FOR TRU-80-0590R ESTIMATED QUANTITIES	10
																	FOR TRU-80-0905 ESTIMATED QUANTITIES	10
																	MAINTENANCE OF TRAFFIC	
		400	300				300						614	11110	300		LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		120					120						614	12460	120	EACH	WORK ZONE MARKING SIGN	
																	INCIDENTALS	
	_						LS						614	11000	LS		MAINTAINING TRAFFIC	
	+						6						619	16010	6	MNTH	FIELD OFFICE, TYPE B	
							LS						623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
							LS						624	10000	LS		MOBILIZATION	
	_																	
	+																	
	_																	
-																		
				1	1	. —	I											

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.

PROPOSED WORK DESCRIPTION

DECK SEALING

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- SEAL EXISTING WEARING SURFACE AND APPROACH SLABS WITH GRAVITY-FED RESIN CONCRETE TREATMENT

DECK PATCHING (CONCRETE)

- REPAIR UNSOUND OR PREVIOUSLY PATCHED AREAS OF THE EXISTING TOP DECK AND APPROACH SLAB.

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 FIFLD.

Bridge Name	SFN	Feature Intersected	Deck	Deck Patching
			Sealing	(concrete)
MAH-11-1341	5000696		Х	X
MAH-14-0461		Over Garfield Ditch	X	
MAH-14-0886	5001145	Over Mid Fork Little Beaver Creek	Х	
MAH-45-0580	5001544	Over W Branch Meander Creek	Х	Х
MAH-46-0796	5000882	Over Indian Run	Х	
MAH-46-1635	5001803	Over MAH-IR 80-3.80	Х	
MAH-76-0165	5002761	Under River Road	Х	X
MAH-76-0409	5002826	Under Newton Falls Road	Х	
MAH-76-0508	5002885	Under Duck Creek Road	Х	
MAH-164-0741	5003253	Over MAH-IR 680-1437	Х	
MAH-165-1729	5003660	Over MAH-SR 11-3.05	Х	
MAH-165-1924	5003709	Over Mill Creek	Х	
MAH-170-0975	5004152	Over Yellow Creek	Х	
MAH-224-0863	5004683	Over Meander Creek	Х	X
POR-5-0116L	6700039	Over POR-SR 44C-0012	Х	
POR-14-2650	6701000	Over Berlin Reservoir	Х	Х
POR-76-1115	6702589	Under Industry Road	Х	
POR-76-1306L		Over POR-SR 14-1746	Х	
POR-76-1308R		Over POR-SR 14-1748	X	
POR-76-1363		Under Rock Spring Road	X	
POR-76-1489	6702767	Under Porter Road	X	
POR-76-1610	6702864	Under Alliance Road	X	
POR-76-1759	6702910	Under Wayland Road	X	
POR-76-1860L		Over POR-225-1074	X	X
POR-76-1858R	6703003	Over POR-225-1073	X	X
POR-76-1960	6703062	Under McClintocksburg Road	X	^
POR-76-2012L	6703002	Over Universal Road	X	X
POR-76-2012E	6703097	Over Universal Road	X	X
			X	X
POR-76-2057L		Over Kale Creek		
POR-76-2057R		Over Kale Creek	X	X
POR-224-0712		Over Congress Lake Outlet	X	
TRU-5-0689	7800282	Under W Market Street	Х	
TRU-5-0761L	7800339	Over Mahoning River	Х	
TRU-5-0761R	7800363	Over Mahoning River	Х	
TRU-5-0775	7800398	Under Eagle Creek Road	Х	
TRU-5-0918	7800541	Under N Leavitt Road	Х	
TRU-5-1100L	7800754	Over Youngs Run Creek	Х	
TRU-5-1100R	7800789	Over Youngs Run Creek	Х	X
TRU-45-0131	7801963	Over Norfolk Southern RR	Х	
TRU-45-0296	7801998	Over CSX Transportation RR	Х	X
TRU-45-0997	7802110	Over Infirmary Run	Х	
TRU-80-0462	7803907	Under Shady Road	Х	
TRU-80-0497L	7803931	Over Sampson Road	Х	
TRU-80-0498R	7803966	Over Sampson Road	Х	
TRU-80-0590L	7803990	Over Logan Road	Х	
TRU-80-0590R	7804024	Over Logan Road	Х	
TRU-80-0905	7804202	Under Drummond Road	Х	
TRU-422-0877		Over Mahoning River	Х	
TRU-422-1170		Over Mahoning River	X	Х
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O19 ODOT --- DISTRICT 4

BER PLANNING AND ENGINEERING

CALC:	CMR	DATE: 8/7/2019
CHECKED:	MJA	DATE: 11/19/2019

											CHECKED: MJA DATE	: 11/19/2019
									ES1	TIMATED	QUANTITIES	
		BRIDGE	NO. / STF	RUCTURE	FILE NO.							
MAH-11-1341 5000696 02/NHS/BR	MAH-14-0461 5001072 05/STR/BR	MAH-14-0886 5001145 04/S<2/BR	MAH-45-0580 5001544 05/STR/BR	MAH-46-0796 5000882 05/STR/BR	MAH-46-1635 5001803 01/IMS/BR	MAH-76-0165 5002761 01/IMS/BR	MAH-76-0409 5002826 01/IMS/BR	ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
887	521	820	629	434	3020	1456	989	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
10			7			17		SPECIAL	51912304	SY	CONCRETE BRIDGE DECK - TYPE C	
									ES1	TIMATED	QUANTITIES	
	1	BRIDGE	NO. / STF	RUCTURE	FILE NO.							
MAH-76-0508 5002885 01/IMS/BR	MAH-164-0741 5003253 01/IMS/BR	MAH-165-1729 5003660 02/NHS/BR	MAH-165-1924 5003709 05/STR/BR	MAH-170-0975 5004152 03/S>2/BR	MAH-224-0863 5004683 05/STR/BR			ІТЕМ	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
989	2673	1294	476	746	1110			512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
					12			SPECIAL	51912304	SY	CONCRETE BRIDGE DECK - TYPE C	
									ES1	TIMATED	QUANTITIES	
		BRIDGE	NO. / STF	RUCTURE	FILE NO.							
POR-5-0116L 6700039 02/NHS/BR	POR-14-2650 6701000 05/STR/BR	POR-76-1115 6702589 01/IMS/BR	POR-76-1306L 6702643 01/IMS/BR	POR-76-1308R 6702708 01/IMS/BR	POR-76-1363 6702732 01/IMS/BR	POR-76-1489 6702767 01/IMS/BR	POR-76-1610 6702864 01/IMS/BR	ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
941	1477	788	1230	1230	803	798	782	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
	17							SPECIAL	51912304	SY	CONCRETE BRIDGE DECK - TYPE C	
									ES1	TIMATED	QUANTITIES	
	1	BRIDGE	NO. / STE	RUCTURE	FILE NO.							
POR-76-1759 6702910 01/IMS/BR	POR-76-1860L 6702945 01/IMS/BR	POR-76-1858R 6703003 01/IMS/BR	POR-76-1960 6703062 01/IMS/BR	POR-76-2012L 6703097 01/IMS/BR	POR-76-2013R 6703127 01/IMS/BR	POR-76-2057L 6703151 01/IMS/BR	POR-76-2057R 6703186 01/IMS/BR	ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
812	787	787	897	1094	1094	586	586	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
	10	10		13	13	8	8	519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	

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STRUCTURE ESTIMATED QUANTITIES
MAHONING: SR-11, SR-45, SR-46, IR-76 SR-164, SR-165, SR-170, US-224
PORTAGE: SR-5, SR-44, IR-76, US-224
TRUMBULL: SR-5, SR-45, IR-80, US-422

DESIGN AGENCY
ODOT --- DISTRICT 4
PLANNING AND ENGINEERING

DO4-BH-FY2020 PID No. 101377

CALC: CHECKED: CMR MJA DATE: 8/7/2019 DATE: 11/19/2019

											CHECKED: MJA	DATE: 11/19/2019
									ES1	TIMATED	QUANTITIES	
		BRIDGE	NO. / ST	RUCTURE	FILE NO.							
POR-224-0712 6703879 05/STR/BR								ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
698								512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
								519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	
									EST	TIMATE	QUANTITIES	
	1	BRIDGE	NO. / ST	RUCTURE	FILE NO.							
TRU-5-0689 7800282 02/NHS/BR	TRU-5-0761L 7800339 02/NHS/BR	TRU-5-0761R 7800363 02/NHS/BR	TRU-5-0775 7800398 02/NHS/BR	TRU-5-0918 7800541 02/NHS/BR	TRU-5-1100L 7800754 02/NHS/BR	TRU-5-1100R 7800789 02/NHS/BR	TRU-45-0131 7801963 03/S>2/BR	ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
1374	1217	1233	895	1125	408	337	1249	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
						4		519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	
									ES1	TIMATED	QUANTITIES	
	,	BRIDGE	NO. / ST	RUCTURE	FILE NO.							
TRU-45-0296 7801998 03/S>2/BR	TRU-45-0997 7802110 03/S>2/BR	TRU-80-0462 7803907 01/IMS/BR	TRU-80-0497L 7803931 01/IMS/BR	TRU-80-0498R 7803966 01/IMS/BR	TRU-80-0590L 7803990 01/IMS/BR	TRU-80-0590R 7804024 01/IMS/BR	TRU-80-0905 7804202 01/IMS/BR	ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
1898	482	941	1415	1415	1121	1121	1097	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
20								519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	
									ES1	TIMATED	QUANTITIES	
		BRIDGE	NO. / ST	RUCTURE T	FILE NO.							
TRU-422-0877 7807015 03/S>2/BR	TRU-422-1170 7807031 03/S>2/BR							ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
2768	1615							512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
	17							519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	

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D04-BH-FY2020 PID No. 101377

DESIGN AGENCY
ODOT --- DISTRICT 4
PLANNING AND ENGINEERING

BRIDGE DECK APPROACH SLABS DESIGN AGENCY
ODOT --- DISTRICT 4
PLANNING AND ENGINEERING SPECIAL SPECIAL 512 512 IDGE RESIN TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN PATCHING CONCRETE BRIDGE DECK - TYPE C PATCHING CONCRETE BRIDGE DECK - TYPE C LIMITS) TREATING CONCRETE BRI DECKS WITH GRAVITY FED I LENGTH (APPROACH SLABS) APPROACH SLAB WIDTH APPROACH SLAB AREA APPROACH (FORWARD / REAR) BRIDGE WIDTH DECK AREA LENGTH (BRIDGE BRIDGE NUMBER SY FT FT SQ YD SY FT FT SQ YD SY SY MAH-11-1341 282.50 24.00 753.33 753.33 8.00 25.00 24.00 66.67 FWD 66.67 1.00 25.00 66.67 REAR 66.67 1.00 24.00 MAH-14-0461 196.76 196.76 178.33 30.38 58.29 25.00 178.33 FWD 64.20 25.00 52.39 145.53 REAR 145.53 MAH-14-0886 672.52 672.52 137.56 44.00 73.33 73.33 15.00 44.00 FWD 15.00 44.00 73.33 REAR 73.33 MAH-45-0580 432.47 432.47 5.00 97.78 88.46 44.00 20.00 44.00 97.78 FWD 1.00 20.00 44.00 97.78 REAR 97.78 1.00 MAH-46-0796 256.00 256.00 88.89 US-224 72.00 25.00 88.89 FWD 32.00 32.00 25.00 32.00 REAR 88.89 88.89 SR-170, MAH-46-1635 295.31 78.74 2583.63 2583.63 24.93 78.74 218.11 FWD 218.11 24.93 78.74 218.11 REAR 218.11 MAH-76-0165 25.00 105.56 SR-165, -224 294.74 1244.46 1244.46 13.00 2.00 38.00 38.00 105.56 FWD 38.00 105.56 REAR 105.56 2.00 25.00 MAH-76-0409 FWD 61.11 283.52 27.50 866.31 866.31 20.00 27.50 61.11 61.11 REAR 20.00 27.50 61.11 MAH-76-0508 866.31 866.31 61.11 283.52 27.50 27.50 61.11 FWD 20.00 27.50 61.11 REAR 61.11 20.00 MAH-164-0741 293.58 70.00 2283.40 2283.40 25.00 70.00 194.44 FWD 194.44 194.44 REAR 25.00 70.00 194.44 1098.61 MAH-165-1729 282.50 35.00 1098.61 25.00 35.00 97.22 FWD 97.22 SR-14, SR-45 PORTAGE: 25.00 35.00 97.22 REAR 97.22 MAH-165-1924 252.18 252.18 25.00 111.58 56.50 40.17 40.17 111.58 FWD 111.58 REAR 111.58 25.00 40.17 SR-11, MAH-170-0975 127.70 40.00 567.56 567.56 20.00 40.00 88.89 FWD 88.89 REAR 88.89 20.00 40.00 88.89 MAHONING: MAH-224-0863 913.98 913.98 10.00 97.78 186.95 44.00 20.00 44.00 97.78 FWD 1.00 20.00 97.78 REAR 97.78 1.00 44.00 D04-BH-FY2020 No. 101377 PID 4/611 13 TOTALS 12988 36 TOTALS 3049

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				BRIDGE DECK					CH SLABS	
<u></u>	BRIDGE NUMBER	LENGTH (BRIDGE LIMITS) BRIDGE WIDTH DECK AREA	TREATING CONCRETE BRIDGE GONCKS WITH GRAVITY FED RESIN RECOUNTY FED	PATCHING CONCRETE BRIDGE GODECK - TYPE CODECK - TYPE CODEC	LENGTH (APPROACH SLABS) APPROACH SLAB	WIDTH APPROACH SLAB AREA	APPROACH (FORWARD / REAR)	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN R	PATCHING CONCRETE BRIDGE OF DECK - TYPE C	ATE DESIGN AGENCY 3/2019 ODOT DISTRICT 4 NUMBER PLANNING AND ENGINEERING
cree	POR-5-0116L	FT FT SQ YD 258.52 27.00 775.56	SY 775.56	SY RAMP		FT SQ YI 7.00 75.00		SY 75.00	SY	11/18
N T					30.00 2	7.00 90.00	REAR	90.00		REVIEWED RS 1
23:18	POR-14-2650	282.12 40.00 1253.87	1253.87	13.00		0.00 111.1° 0.00 111.1°		111.11 111.11	2.00 2.00	
0 8:3	POR-76-1115	196.33 30.00 654.43	654.43			0.00 66.67		66.67		DRAWN
20/20	T GIVIO IIIIG	100.00 00.00	30 11 10			0.00 66.67				2 × ED
2/=	POR-76-1306L	270.00 41.00 1230.00	1230.00			4.00 66.67				DESIGNED CMR CHECKED M.I.A
)ee†2						4.00 66.67				
ng S	POR-76-1308R	270.00 41.00 1230.00	1230.00			4.00 66.67 4.00 66.67				224
òp.100	POR-76-1363	210.84 30.00 702.80	702.80		15.00 30	0.00 50.00	FWD	50.00		so, us
C_SD		1000	702.00			0.00 50.00				SR-170
0000-00	POR-76-1489	210.67 27.56 645.12	645.12			7.56 76.34 7.56 76.34		76.34 76.34		
0+8/00	POR-76-1610	211.34 28.00 657.50	657.50			8.00 62.22		62.22		DETAILS IR-76 SR-164, SR-165, 14, IR-76, US-224
Shee						3.00 62.22				AILS SR-16
,3000	POR-76-1759	210.83 28.00 655.92	655.92			8.00 77.78 8.00 77.78		77.78		DET DET P. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
0-000	POR-76-1860L	118.50 42.00 553.00	553.00	6.00	25.00 42	2.00 116.6	7 FWD	116.67	2.00	JRE 146, 18
\D04C							7 REAR		2.00	UCTU SR-2
ures	POR-76-1858R	118.50 42.00 553.00	553.00	6.00			7 FWD 7 REAR	116.67 116.67	2.00	STRUCTURE DE: SR-14, SR-45, SR-46, IR-76 PORTAGE: SR-5, SR-14, I
ruc‡	POR-76-1960	238.29 28.00 741.35	741.35			3.00 77.78		77.78		14, S
gn\S1	1 01(-70-1300	250.25 20.00 741.55	741.00				REAR			SR-
ONDesig	POR-76-2012L	195.94 40.00 870.84	870.84	9.00		0.00 111.1° 0.00 111.1°	1 FWD 1 REAR	111.11	2.00	SR-11
: 7202	POR-76-2013R	195.94 40.00 870.84	870.84	9.00	25.00 40	0.00 111.1	1 FWD	111.11	2.00	MAHONING:
-, BH-						0.00 111.1			2.00	MAHC
\\.\!	POR-76-2057L	79.50 40.69 359.43	359.43	4.00			3 FWD 3 REAR	113.03 113.03	2.00 2.00	•
	POR-76-2057R	79.50 40.69 359.43	359.43	4.00			B FWD B REAR	113.03 113.03	2.00	202
) Maint	POR-224-0712	02.64 44.00 452.04	452.04						2.00	
10e N	F UR-224-U/ 12	92.64 44.00 452.91	452.91				2 FWD 2 REAR	122.22 122.22		H S
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		TOTALS	12113	51			TOTALS	2572	28	

ļ			BRIDGE DECK							APPROACH SLABS 512 SPECIAL 9									
O se	BRIDGE NUMBER	LENGTH (BRIDGE LIMITS)	BRIDGE WIDTH	DECK AREA	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN D	PATCHING CONCRETE BRIDGE NO DECK - TYPE C		LENGTH (APPROACH SLABS)	APPROACH SLAB WIDTH	APPROACH SLAB AREA	APPROACH (FORWARD / REAR)	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	PATCHING CONCRETE BRIDGE DECK - TYPE C				DATE DESIGN AGENCY 9/2019 ODOT DISTRICT 4 NUMBER PLANNING AND ENGINEERING		
0 D	TRU-5-0689	FT 336.22	FT 32.00	SQ YD 1195.45	SY 1195.45	SY		FT 25.00	FT 32.00	SQ YD 88.89	FWD	SY 88.89	SY				# FILE		
ΑM								25.00	32.00	88.89	REAR	88.89					RUCTUI		
3.54	TRU-5-0761L	223.70	40.00	994.22	994.22			25.00 25.00	40.00 40.00	111.11	FWD REAR						- S		
019 8:2																	DRAWN CMR REVISED CMR		
)	TRU-5-0761R	227.40	40.00	1010.67	1010.67			25.00 25.00	40.00 40.00	111.11	FWD REAR								
1/20	TRU-5-0775	209.73	31.00	722.40	722.40			25.00	31.00	86.11	FWD	86.11					ESIGNE CMR CMR HECKEL		
6+3 5+3								25.00	31.00	86.11	REAR								
She	TRU-5-0918	256.15	32.00	910.76	910.76			30.00	32.00	106.67	FWD						224		
ng.dgn								30.00	32.00	106.67	REAR						-SN		
SDOC	TRU-5-1100L	79.66	46.00	407.15	407.15			25.00 25.00	46.00 46.00	127.78 127.78	FWD REAR						SR-170,		
0000	TRU-5-1100R	79.66	38.00	336.34	336.34	4.00		25.00	38.00	105.56	FWD						ר ,		
00-00	11XO-5-1100IX	79.00	30.00	330.34	330.34	4.00		25.00	38.00	105.56	REAR						?-165 ?-1		
10/8	TRU-45-0131	106.03	72.00	848.24	848.24			25.00	72.00	200.00	FWD						URE DETAILS 46, IR-76 SR-164, SR-16 SR-14, IR-76, US-224 SR-45, IR-80, US-422		
Shee								25.00	72.00	200.00	REAR	200.00					11.S SR-16 76, U		
)))	TRU-45-0296	194.02	70.00	1509.04	1509.04	16.00		25.00 25.00	70.00 70.00	194.44 194.44	FWD REAR		2.00				ETA -76 S		
00-0													2.00				- R-14 R-14 R-14 R-14 R-14 R-14 R-14 R-14		
0400	TRU-45-0997	54.00	38.00	228.00	228.00			30.00 30.00	38.00 38.00	126.67 126.67							TTUF RR-46		
@\s	TRU-80-0462	302.52	24.00	806.72	806.72			25.00	24.00	66.67	FWD	66.67					15, S		
ctur				000.12	3337.2			25.00	24.00		REAR						SR-Z		
Stru	TRU-80-0497L	162.16	60.00	1081.07	1081.07			25.00	60.00	166.67	FWD						STRUCTUR SR-14, SR-45, SR-46 PORTAGE: SR-5, SF		
sign\								25.00	60.00								-11, SF		
	TRU-80-0498R	162.16	60.00	1081.07	1081.07			25.00 25.00	60.00	166.67 166.67	FWD REAR						- SS		
Y202(TRU-80-0590L	118.04	60.00	786.93	786.93			25.00	60.00								MAHONING:		
BH-F,	TKO-60-0390L	110.04	00.00	760.93	760.93			25.00	60.00								- IAHOI		
1377_	TRU-80-0590R	118.04	60.00	786.93	786.93			25.00	60.00	166.67	FWD	166.67							
Se/IO								25.00	60.00	166.67	REAR	166.67					0		
) Judne	TRU-80-0905	302.48	28.00	941.05	941.05			25.00 25.00	28.00 28.00	77.78	FWD						202		
ointer (<u>†</u> ₽		
<u>۾</u> ج	TRU-422-0877	369.38	58.00	2380.45	2380.45			30.00 30.00	58.00 58.00	193.33 193.33							HA °		
Brid	TRU-422-1170	229.50	56.00	1428.00	1428.00	15.00		15.00	56.00	93.33	FWD	93.33	1.00				- 49 - 6		
\D04\			20.00	1.25.00				15.00	56.00	93.33	REAR		1.00				`		
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