

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

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
PORTAGE COUNTY

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

INDEX OF SHEETS:

TITLE SHEET	1
LOCATION MAP	2
GENERAL NOTES	3
MAINTENANCE OF TRAFFIC	4-5
GENERAL SUMMARY	6-7
STRUCTURES	8-13

PROJECT DESCRIPTION

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

EARTH DISTURBED AREAS

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

LIMITED ACCESS

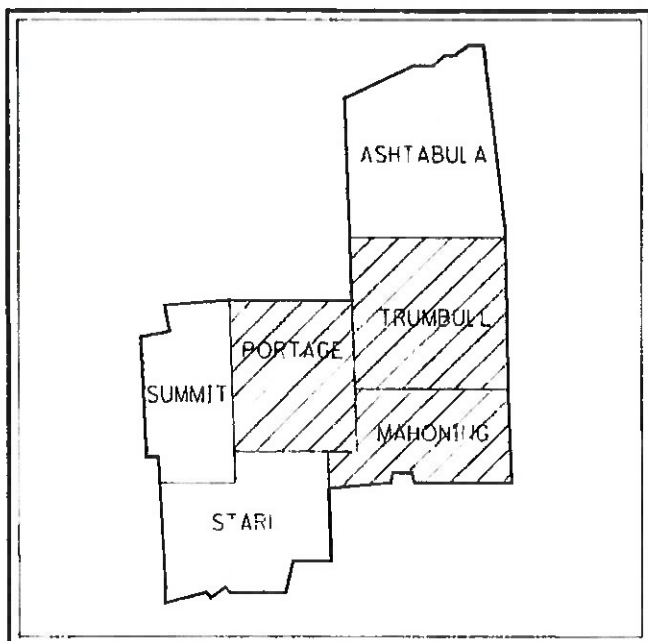
THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR
THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED
ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE
DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF
SECTION 5511.02 OF THE OHIO REVISED CODE.

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.

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.

CONFORMED SET



LOCATION MAP

LATITUDE: 41°00'57" LONGITUDE: 81°29'30"

STRUCTURE	NHS	FUNCTIONAL CLASSIFICATION	STRUCTURE	NHS	FUNCTIONAL CLASSIFICATION
MAH-11-1341	YES	URBAN FREEWAY AND EXPRESSWAY	POR-76-1960	YES	RURAL INTERSTATE
MAH-14-0461	NO	RURAL MINOR ARTERIAL	POR-76-2012L	YES	RURAL INTERSTATE
MAH-14-0886	NO	URBAN MAJOR COLLECTOR	POR-76-2013R	YES	RURAL INTERSTATE
MAH-45-0580	NO	RURAL MINOR ARTERIAL	POR-76-2057L	YES	RURAL INTERSTATE
MAH-46-0796	NO	RURAL MAJOR COLLECTOR	POR-76-2057R	YES	RURAL INTERSTATE
MAH-46-1635	NO	URBAN PRINCIPAL ARTERIAL	POR-224-0712	NO	RURAL MINOR ARTERIAL
MAH-76-0165	YES	RURAL INTERSTATE	TRU-5-0689	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-76-0409	YES	RURAL INTERSTATE	TRU-5-0761L	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-76-0508	YES	RURAL INTERSTATE	TRU-5-0761R	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-164-0741	NO	URBAN MINOR ARTERIAL	TRU-5-0774	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-165-1729	NO	RURAL MAJOR COLLECTOR	TRU-5-0918	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-165-1924	NO	RURAL MAJOR COLLECTOR	TRU-5-1100L	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-170-0973	NO	URBAN MINOR ARTERIAL	TRU-5-1100R	YES	URBAN FREEWAY AND EXPRESSWAY
MAH-224-0863	NO	RURAL MINOR ARTERIAL	TRU-45-0131	NO	URBAN PRINCIPAL ARTERIAL
POR-5-0116L	YES	URBAN PRINCIPAL ARTERIAL	TRU-45-0296	NO	URBAN PRINCIPAL ARTERIAL
POR-14-2650	NO	RURAL MINOR ARTERIAL	TRU-45-0997	NO	URBAN PRINCIPAL ARTERIAL
POR-76-1115	YES	RURAL INTERSTATE	TRU-80-0462	YES	URBAN INTERSTATE
POR-76-1306L	YES	RURAL INTERSTATE	TRU-80-0497L	YES	URBAN INTERSTATE
POR-76-1308R	YES	RURAL INTERSTATE	TRU-80-0498R	YES	URBAN INTERSTATE
POR-76-1363	YES	RURAL INTERSTATE	TRU-80-0590L	YES	URBAN INTERSTATE
POR-76-1489	YES	RURAL INTERSTATE	TRU-80-0590R	YES	URBAN INTERSTATE
POR-76-1610	YES	RURAL INTERSTATE	TRU-80-0905	YES	URBAN INTERSTATE
POR-76-1759	YES	RURAL INTERSTATE	TRU-422-0877	NO	URBAN PRINCIPAL ARTERIAL
POR-76-1860L	YES	RURAL INTERSTATE	TRU-422-1170	NO	URBAN PRINCIPAL ARTERIAL
POR-76-1858R	YES	RURAL INTERSTATE			

DESIGN EXCEPTIONS

NONE



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

ENGINEERS SEAL:

SIGNED: M. Andrasik
DATE: 11/12/19

STANDARD CONSTRUCTION DRAWINGS		SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
MT-95.30	4/19/19	800-2019	10/18/19
MT-95.31	4/19/19	821	4/20/12
MT-95.32	4/19/19	921	4/20/12
MT-97.10	4/19/19		
MT-99.20	4/19/19		
MT-101.70	7/20/18		
MT-101.75	7/15/16		
MT-105.10	7/19/13		
TC-41.20	10/18/13		
TC-52.10	10/18/13		
TC-52.20	7/20/18		

APPROVED:
DATE: 11/19/19 DISTRICT DEPUTY DIRECTOR

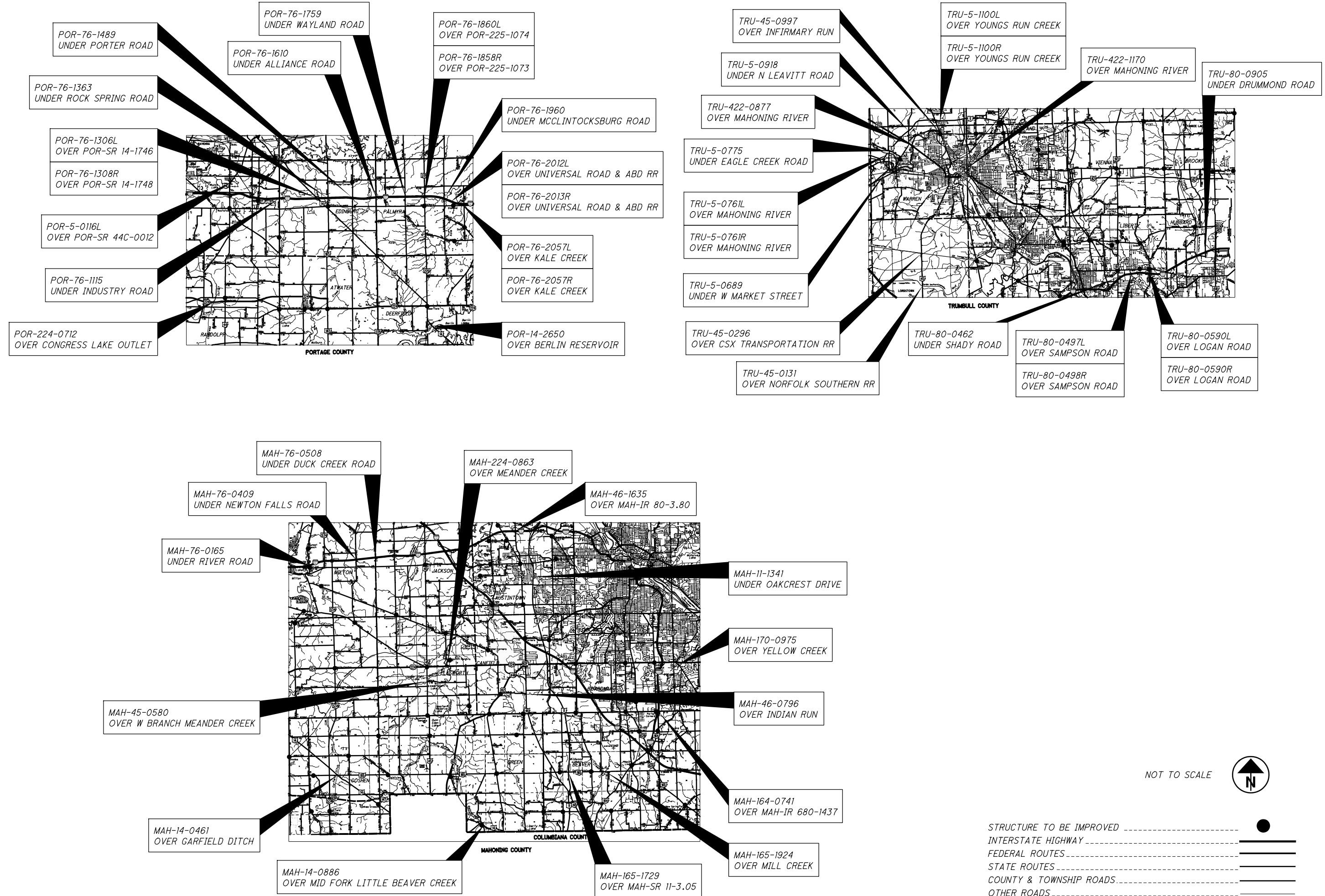
APPROVED:
DATE: 12/16/19 DIRECTOR, DEPARTMENT OF TRANSPORTATION

D04 - BH FY2020 (East)
204006 PID - 101377
Dist 4 2/27/2020

Contract Proposal Available @
www.contracts.dot.state.oh.us/home

FEDERAL PROJECT NO. E190(096)
PID NO. 101377
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT
CSX TRANSPORTATION
NORFOLK SOUTHERN
D04-BH-FY2020
1/13

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LOCATION MAP

D04-BH-FY2020

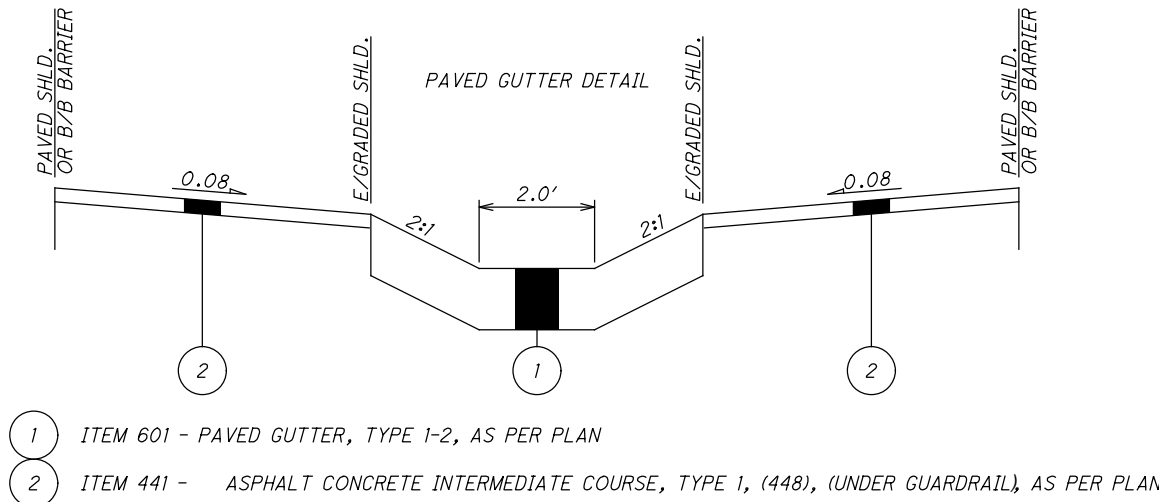
UTILITIES

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 AREAS.

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.



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.

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.

STRUCTURE	642	642	642	642	642	642		626	626	626
	EDGE LINE, 6"	LANE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 8"	TRANSVERSE/DIAGONAL LINE	LANE ARROW		BARRIER REFLECTOR, TYPE 1(BIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1(ONE-WAY)	BARRIER REFLECTOR, TYPE 2(BIDIRECTIONAL)
	MILE	MILE	MILE	FT	FT	EACH		EACH	EACH	EACH
MAH-11-1341										
MAH-14-0461	0.04		0.02							4
MAH-14-0886	0.06		0.03					4		
MAH-45-0580	0.05		0.02							
MAH-46-0796	0.05		0.02					4		
MAH-46-1635	0.13	0.13	0.07	345		4		8		
MAH-76-0165	0.13		0.07					8		
MAH-76-0409	0.12		0.06					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	0.04		0.02					4		
MAH-170-0975	0.06		0.03					4		
MAH-224-0863	0.09		0.04							6
POR-5-0116L	0.12		0.06						8	
POR-14-2650	0.13		0.06							8
POR-76-1115	0.07		0.04					4		
POR-76-1306L	0.10	0.05							6	
POR-76-1308R	0.10	0.05							6	
POR-76-1363	0.10		0.05					6		
POR-76-1489	0.10		0.05					6		
POR-76-1610	0.10		0.05					6		
POR-76-1759	0.10		0.05					6		
POR-76-1860L	0.06	0.03							4	
POR-76-1858R	0.06	0.03							4	
POR-76-1960	0.11		0.05							6
POR-76-2012L	0.09	0.05							6	
POR-76-2013R	0.09	0.05							6	
POR-76-2057L	0.05	0.02							4	
POR-76-2057R	0.05	0.02							4	
POR-224-0712	0.05		0.03							4
TRU-5-0689	0.15		0.07					8		
TRU-5-0761L	0.11	0.05							6	
TRU-5-0761R	0.11	0.05							6	
TRU-5-0775	0.10		0.05					6		
TRU-5-0918	0.12		0.06					8		
TRU-5-1100L	0.05	0.02							4	
TRU-5-1100R	0.05	0.02							4	
TRU-45-0131	0.06	0.06	0.03					4		
TRU-45-0296	0.09	0.09	0.05					6		
TRU-45-0997			0.04					4		
TRU-80-0462			0.07					8		
TRU-80-0497L	0.08	0.04							6	
TRU-80-0498R	0.08	0.04							6	
TRU-80-059CL	0.06	0.03							4	
TRU-80-0590R	0.06	0.03							4	
TRU-80-0905	0.13		0.07					8		
TRU-422-0877	0.16	0.16	0.08	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

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GENERAL NOTES

D04 - BH - FY 2020

MAINTENANCE OF TRAFFIC

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 MATERIALS.
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 MAINTENANCE 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 REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING 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	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 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 BE 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 INVOLVED.

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 PERMITTED 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 REQUIREMENTS 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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MAINTENANCE OF TRAFFIC GENERAL NOTES

D04-BH-FY2020

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 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 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.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
ROAD & RAMP 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	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERNS 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.

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.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

D04-BH-FY2020

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SHEET NUM.							PART.						ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
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								
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	
TRAFFIC CONTROL																		
	160					84	60	4	4	8		626	00102	160	EACH	BARRIER REFLECTOR, TYPE 1(BIDIRECTIONAL)		
	88					54	28			6		626	00102	88	EACH	BARRIER REFLECTOR, TYPE 1(ONE-WAY)		
	28					6				22		626	00110	28	EACH	BARRIER REFLECTOR, TYPE 2(BIDIRECTIONAL)		
	4.13					2.12	1.35	0.06	0.06	0.54		642	00094	4.13	MILE	EDGE LINE, 6"		
	1.18					0.58	0.55			0.05		642	00194	1.18	MILE	LANE LINE, 6"		
	1.57					0.75	0.55	0.03	0.03	0.21		642	00290	1.57	MILE	CENTER LINE		
	1,180					859	321					642	00390	1,180	FT	CHANNELIZING LINE, 8"		
	60					12	48					642	00690	60	FT	TRANSVERSE/DIAGONAL LINE		
	18					12	6					642	01290	18	EACH	LANE ARROW		
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	9	
																FOR MAH-165-1729 ESTIMATED QUANTITIES	9	
																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	
																FOR POR-224-0712 ESTIMATED QUANTITIES	10	
																FOR POR-5-0116L ESTIMATED QUANTITIES	9	
																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	9	
																FOR POR-76-1759 ESTIMATED QUANTITIES	9	
																FOR POR-76-1858R ESTIMATED QUANTITIES	9	
																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	9	
																FOR POR-76-2057L ESTIMATED QUANTITIES	9	
																FOR POR-76-2057R ESTIMATED QUANTITIES	9	
																FOR TRU-422-0877 ESTIMATED QUANTITIES	10	
																FOR TRU-422-1170 ESTIMATED QUANTITIES	10	
																FOR TRU-45-0131 ESTIMATED QUANTITIES	10	
																FOR TRU-45-0296 ESTIMATED QUANTITIES	10	
																FOR TRU-45-0997 ESTIMATED QUANTITIES	10	
																FOR TRU-5-0689 ESTIMATED QUANTITIES	10	
																FOR TRU-5-0761L ESTIMATED QUANTITIES	10	
																FOR TRU-5-0761R ESTIMATED QUANTITIES	10	
																FOR TRU-5-0775 ESTIMATED QUANTITIES	10	
																FOR TRU-5-0918 ESTIMATED QUANTITIES	10	
																FOR TRU-5-1100L ESTIMATED QUANTITIES	10	

GENERAL SUMMARY

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SHEET NUM.							PART.						ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
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								
																	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	
													614	11110	300	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
													614	12460	120	EACH	WORK ZONE MARKING SIGN	
																	INCIDENTALS	
													614	11000	LS		MAINTAINING TRAFFIC	
													619	16010	6	MNTH	FIELD OFFICE, TYPE B	
													623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													624	10000	LS		MOBILIZATION	

GENERAL SUMMARY	D04-BH-FY2020
CALCULATED CMR	CHECKED MJA
7	13

DESIGN SPECIFICATIONS

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

- 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 FIELD.

Bridge Name	SFN	Feature Intersected	Deck Sealing	Deck Patching (concrete)
MAH-11-1341	5000696	Under Oakcrest Drive	X	X
MAH-14-0461	5001072	Over Garfield Ditch	X	
MAH-14-0886	5001145	Over Mid Fork Little Beaver Creek	X	
MAH-45-0580	5001544	Over W Branch Meander Creek	X	X
MAH-46-0796	5000882	Over Indian Run	X	
MAH-46-1635	5001803	Over MAH-IR 80-3.80	X	
MAH-76-0165	5002761	Under River Road	X	X
MAH-76-0409	5002826	Under Newton Falls Road	X	
MAH-76-0508	5002885	Under Duck Creek Road	X	
MAH-164-0741	5003253	Over MAH-IR 680-1437	X	
MAH-165-1729	5003660	Over MAH-SR 11-3.05	X	
MAH-165-1924	5003709	Over Mill Creek	X	
MAH-170-0975	5004152	Over Yellow Creek	X	
MAH-224-0863	5004683	Over Meander Creek	X	X
POR-5-0116L	6700039	Over POR-SR 44C-0012	X	
POR-14-2650	6701000	Over Berlin Reservoir	X	X
POR-76-1115	6702589	Under Industry Road	X	
POR-76-1306L	6702643	Over POR-SR 14-1746	X	
POR-76-1308R	6702708	Over POR-SR 14-1748	X	
POR-76-1363	6702732	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	6702945	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	6703097	Over Universal Road	X	X
POR-76-2013R	6703127	Over Universal Road	X	X
POR-76-2057L	6703151	Over Kale Creek	X	X
POR-76-2057R	6703186	Over Kale Creek	X	X
POR-224-0712	6703879	Over Congress Lake Outlet	X	
TRU-5-0689	7800282	Under W Market Street	X	
TRU-5-0761L	7800339	Over Mahoning River	X	
TRU-5-0761R	7800363	Over Mahoning River	X	
TRU-5-0775	7800398	Under Eagle Creek Road	X	
TRU-5-0918	7800541	Under N Leavitt Road	X	
TRU-5-1100L	7800754	Over Youngs Run Creek	X	
TRU-5-1100R	7800789	Over Youngs Run Creek	X	X
TRU-45-0131	7801963	Over Norfolk Southern RR	X	
TRU-45-0296	7801998	Over CSX Transportation RR	X	X
TRU-45-0997	7802110	Over Infirmary Run	X	
TRU-80-0462	7803907	Under Shady Road	X	
TRU-80-0497L	7803931	Over Sampson Road	X	
TRU-80-0498R	7803966	Over Sampson Road	X	
TRU-80-0590L	7803990	Over Logan Road	X	
TRU-80-0590R	7804024	Over Logan Road	X	
TRU-80-0905	7804202	Under Drummond Road	X	
TRU-422-0877	7807015	Over Mahoning River	X	
TRU-422-1170	7807031	Over Mahoning River	X	X

