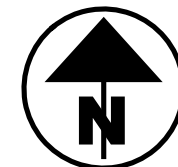




LOCATION MAP

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



STRUCTURE	NHS	FUNCTIONAL CLASSIFICATION
ATB-90-1902	YES	RURAL FREEWAYS AND EXPRESSWAYS
ATB-90-2457	YES	URBAN FREEWAYS AND EXPRESSWAYS
ATB-6-0969	NO	RURAL MAJOR COLLECTOR
ATB-534-1824	NO	RURAL MAJOR COLLECTOR
MAH-76-0091L	YES	RURAL FREEWAYS AND EXPRESSWAYS
MAH-76-0091R	YES	RURAL FREEWAYS AND EXPRESSWAYS
MAH-80-0076R	YES	RURAL FREEWAYS AND EXPRESSWAYS
MAH-80-0076L	YES	RURAL FREEWAYS AND EXPRESSWAYS
MAH-80-0512L	YES	URBAN FREEWAYS AND EXPRESSWAYS
MAH-80-0519R	YES	URBAN FREEWAYS AND EXPRESSWAYS
MAH-80-0565	YES	URBAN FREEWAYS AND EXPRESSWAYS
MAH-62-1825	YES	URBAN FREEWAYS AND EXPRESSWAYS
MAH-711-0127	YES	URBAN FREEWAYS AND EXPRESSWAYS
POR-303-1951	NO	RURAL MAJOR COLLECTOR
TRU-80-0155R	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0159L	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0191R	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0194L	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0219R	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0223L	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0294	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0395L	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0403R	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0416L	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-0420R	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-80-1050	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-7-1165	NO	RURAL MINOR ARTERIAL
TRU-11-0390	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-11-0622	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-11-0704	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-11-1018	YES	URBAN FREEWAYS AND EXPRESSWAYS
TRU-534-0411	NO	URBAN MAJOR COLLECTOR

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

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

PLAN PREPARED BY:
ODOT DISTRICT 4, CAPITAL PLANNING
2088 S. ARLINGTON ROAD
AKRON, OHIO 44306

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

D04-BH-FY2024 (EAST)

CITY OF CONNEAUT AND ROAMING SHORES
KINGSVILLE AND HARPERSFIELD TOWNSHIP
ASHTABULA COUNTY

CITY OF YOUNGSTOWN
AUSTINTOWN AND JACKSON TOWNSHIP
MAHONING COUNTY

WINDHAM TOWNSHIP
PORTAGE COUNTY

CITY OF GIRARD AND NEWTON FALLS
HUBBARD AND LIBERTY TOWNSHIP
TRUMBULL COUNTY

INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
DM-4.3	1/15/16	TC-21.11	7/16/21	800-2023	7/21/23	ASBESTOS REPORT	6/23/23
DM-4.4	1/15/16	TC-21.21	1/20/23	821	4/20/12	WPC	1/19/24
		TC-41.10	7/19/13	832	7/21/23		
MT-95.30	7/19/19	TC-41.20	10/18/13	843	10/18/19		
MT-95.31	7/19/19	TC-42.10	10/18/13	844	4/20/18		
MT-95.32	4/19/19	TC-42.20	10/18/13	848	1/15/21		
MT-95.50	7/21/17	TC-52.10	10/18/13	921	4/20/12		
MT-96.11	7/21/23	TC-52.20	1/15/21	961	4/17/20		
MT-97.10	4/19/19	TC-71.10	4/21/23				
MT-98.10	1/17/20						
MT-98.11	1/17/20						
MT-98.20	4/19/19						
MT-99.30	1/17/20						
MT-102.20	4/19/19						
MT-105.10	1/17/20						

FEDERAL PROJECT NUMBER

E230(275)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

BRIDGE MAINTENANCE ON STRUCTURES LOCATED ON VARIOUS ROUTES WITHIN ASHTABULA, MAHONING, AND TRUMBULL COUNTIES.

EARTH DISTURBED AREAS

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

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.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR

Arthur G. Noirot Jr.
Arthur G. Noirot Jr., P.E.
04

DIRECTOR, DEPARTMENT OF TRANSPORTATION

Jack Mahan

ENGINEER'S SEAL

BRIDGE

DESIGN AGENCY
DESIGNER
JRF
REVIEWER
MJA 12-06-23
PROJECT ID
107246
SHEET TOTAL
P.1 P.34

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 SPECIAL EVENTS:

NEW YEAR'S (OBSERVED) GENERAL/REGULAR ELECTION DAY ((NOV)
TOTAL SOLAR ECLIPSE (4/8/24) THANKSGIVING
MEMORIAL DAY CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)
LABOR DAY

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY TIME ALL LANES
OR SPECIAL EVENT MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY
MONDAY (TOTAL SOLAR ECLIPSE)
12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)
5:00 AM TUESDAY THROUGH 12:00 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

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$3000 FOR EACH HOUR THAT THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE TO THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 30 SIGN MONTH ASSUMING 1 PCMS SIGN(S) FOR 30 MONTH(S)

SEQUENCE OF CONSTRUCTION (TRU-80-1050)

MAINTENANCE OF TRAFFIC OPERATIONS FOR THE REMOVAL OF THE EXISTING ABUTMENTS, CONCRETE BARRIER, AND GUARDRAIL, ALONG WITH THE REGRADING SHALL ADHERE TO THE FOLLOWING CONSTRUCTION SEQUENCE:

1. THE CONTRACTOR SHALL KEEP EXISTING CONCRETE BARRIER AND GUARDRAIL AS IS. UTILIZE A RIGHT LANE CLOSURE AS PER SCD MT-95.30 AND THE PERMITTED LANE CLOSURE CHART. BEHIND THE EXISTING CONCRETE BARRIER AND GUARDRAIL, REMOVE THE EXISTING ABUTMENT AND REGRADE ACCORDING TO THE PLANS.
2. THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE BARRIER AND GUARDRAIL ONCE THE EXISTING ABUTMENT IS REMOVED AND THE REGRADING IS COMPLETE.
3. REPEAT SEQUENCE OF CONSTRUCTION STEPS 1 AND 2 ON THE OTHER SIDE OF TRU-80.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

SIGNALIZED CLOSURES

FOR AREAS WITH 2-LANE HIGHWAYS THAT WILL BE REDUCED TO A SINGLE BI-DIRECTIONAL LANE, THE CONTRACTOR IS PERMITTED TO USE SIGNALIZED CLOSURES AS PER SCD MT-96.11 AT THE DISCRETION OF THE PROJECT ENGINEER. QUEUE BACKUPS AND IMPACTS TO NEARBY DRIVEWAYS WILL BE KEPT TO A MINIMUM. ALL WORK, MATERIALS, SIGNAGE, AND EQUIPMENT WILL BE INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

DESIGN AGENCY



DESIGNER

JRF

REVIEWER

AN 12-06-23

PROJECT ID

107246

SHEET TOTAL

P.7 P.34