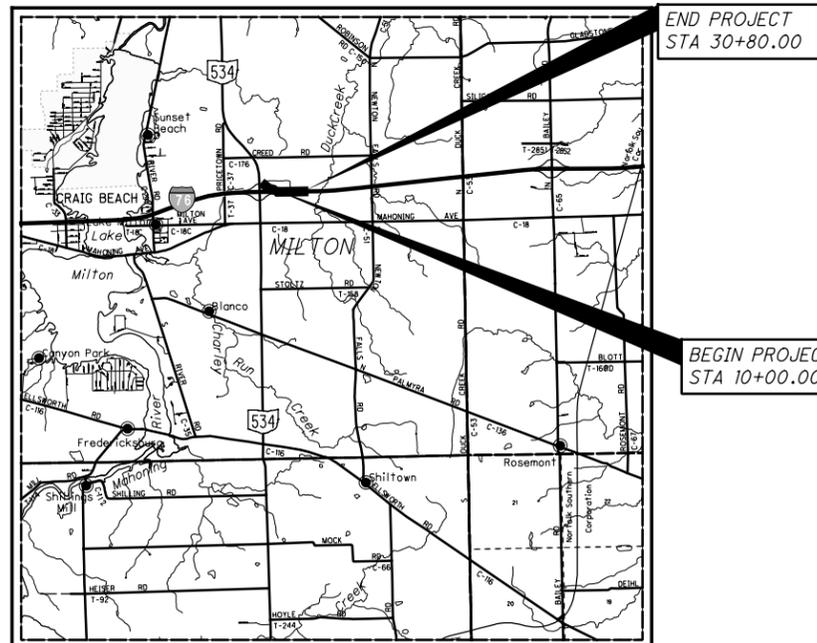


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MAH-76-3.03

NOISE WALL MILTON TOWNSHIP MAHONING COUNTY



LOCATION MAP

LATITUDE: N41°06'16" LONGITUDE: W80°56'39"



PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	—————
FEDERAL ROUTES	—————
STATE ROUTES	—————
COUNTY & TOWNSHIP ROADS	—————
OTHER ROADS	—————

DESIGN DESIGNATION

	<u>RAMP B</u>
CURRENT ADT (2024)	3470 (EST)
DESIGN YEAR ADT (2044)	4810 (EST)
DESIGN HOURLY VOLUME (2044)	481 (EST)
DIRECTIONAL DISTRIBUTION	100%
TRUCKS (24 HOUR B&C)	14% (EST)
DESIGN SPEED	RAMP
LEGAL SPEED	RAMP
DESIGN FUNCTIONAL CLASSIFICATION:	
01 INTERSTATE (RURAL)	
NHS PROJECT	YES (INTERSTATE NHS)

DESIGN EXCEPTIONS

NONE REQUIRED

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2
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ROADWAY ESTIMATED QUANTITIES	12
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NOISE BARRIER DETAILS	14 - 30
TRAFFIC CONTROL	31 - 35
SOIL PROFILE	

PROJECT DESCRIPTION

THIS PROJECT WILL CONSTRUCT 2080 FEET OF NOISE WALL BEHIND THE GUARDRAIL NEAR THE TOP OF THE SLOPE ALONG THE NORTH SIDE OF I-76 WESTBOUND AND THE RAMP FROM I-76 WESTBOUND TO SR-534. OTHER WORK ITEMS INCLUDE PROPOSED GUARDRAIL INSTALLATION AND RELOCATION OF EXISTING SIGNS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.91 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 4.90 ACRES

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 REQUIRE THE PART TIME CLOSING OF RAMP B TO TRAFFIC, AS NOTED ON SHEET 10A, DURING WHICH TIME DETOURS WILL BE PROVIDED AS SHOWN HEREIN. PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

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:
EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Fax: 614.775.4800

ENGINEERS SEAL:



STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
MGS-1.1	7/16/21	TC-22.20	1/17/14	800-2023 7/14/23	
MGS-2.1	1/19/18	TC-41.20	10/18/13	832 7/15/22	
MGS-4.3	1/18/13	TC-42.20	10/18/13	992 4/18/14	
MGS-5.2	7/15/16	TC-51.11	1/15/16		
		TC-51.12	1/15/16		
NBS-1-09	7/15/22	TC-52.10	10/18/13		
		TC-52.20	1/15/21		
MT-95.45	7/21/23	TC-61.30	7/19/19		
MT-96.29	1/17/20				
MT-98.29	1/17/20				
MT-101.60	4/21/23				
MT-101.60	7/17/20				
MT-105.10	1/17/20				
TC-12.31	4/15/22				
TC-21.21	1/20/23				

Arthur G. Noiro Jr.
Arthur G. Noiro Jr., P.E.
District 04 Deputy Director

Jack Marchbanks
Jack Marchbanks, PhD
Director, Department of Transportation

FEDERAL PROJECT NO. E191715
CONSTRUCTION PROJECT NO. 106849
RAILROAD INVOLVEMENT NONE
MAH-76-3.03
1/35

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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 THE **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 CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC 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 DRIVABLE 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
RAMP & ROAD 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	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	NA	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 NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE.

TIME LIMITATION ON A DETOUR - CLOSURE #1

PRIOR TO MAY 1ST 2024 - RAMP B SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR 1 PERIOD NOT TO EXCEED 30 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 10A. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$10,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. CLOSURE #1 MUST BE COMPLETED NO LATER THAN MAY 1, 2024.

TIME LIMITATION ON A DETOUR - CLOSURE #2

AFTER MAY 1ST 2024 - RAMP B SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR 1 PERIOD NOT TO EXCEED 5 CONSECUTIVE CALENDAR DAYS (MONDAY - FRIDAY), WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 10A. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$10,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. CLOSURE #2 SHALL NOT OCCUR DURING A HOLIDAY WEEK.

NOTICE OF CLOSURE SIGN

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

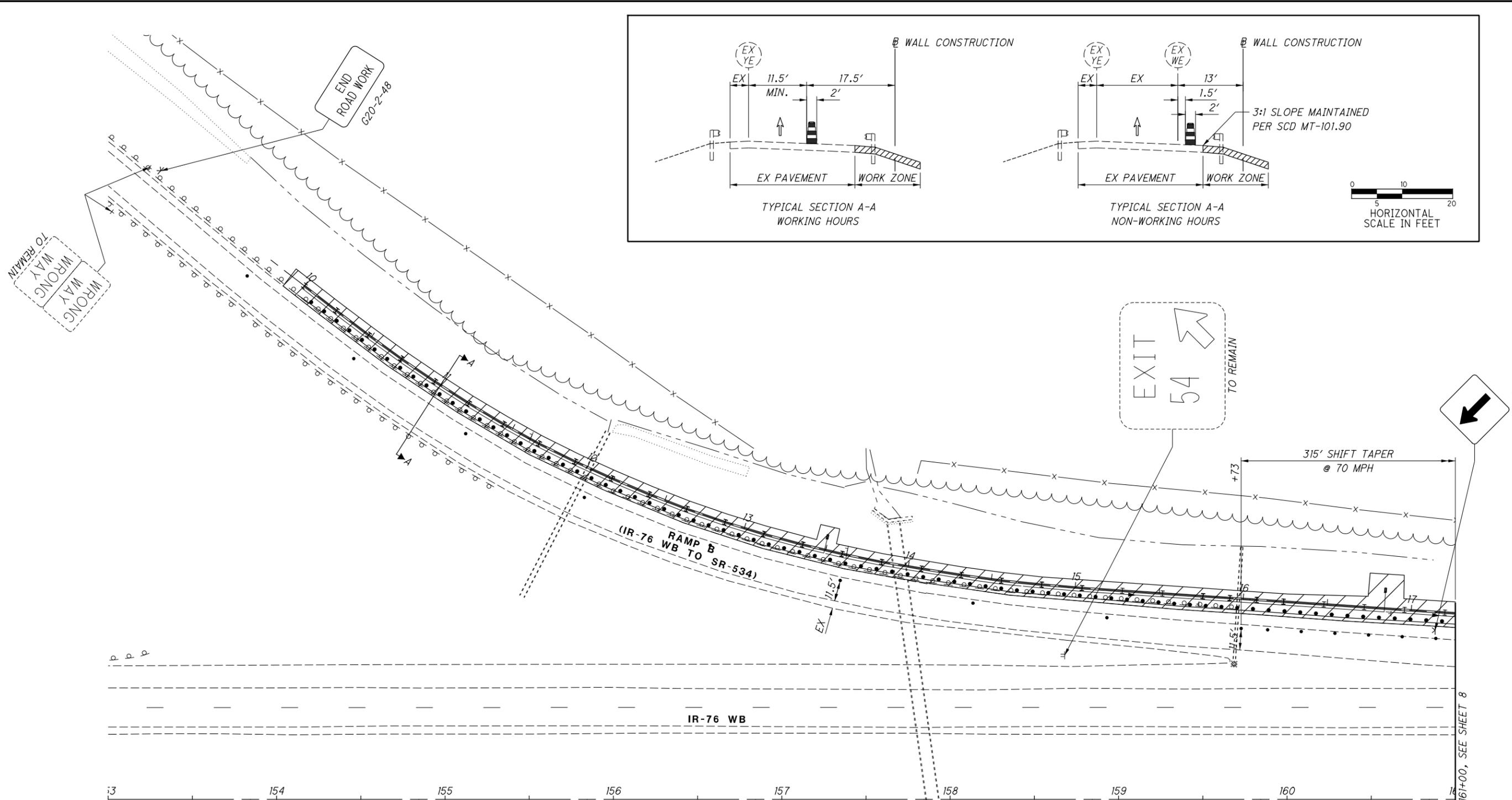
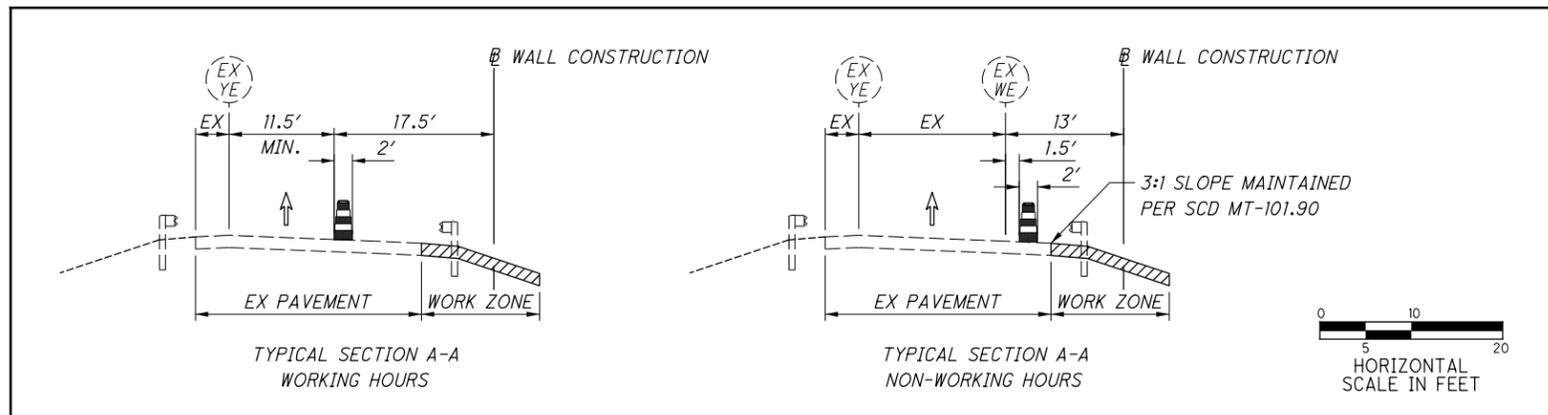
NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

CALCULATED
BER
CHECKED
SMM

MAINTENANCE OF TRAFFIC GENERAL NOTES

MAH-76-3.03



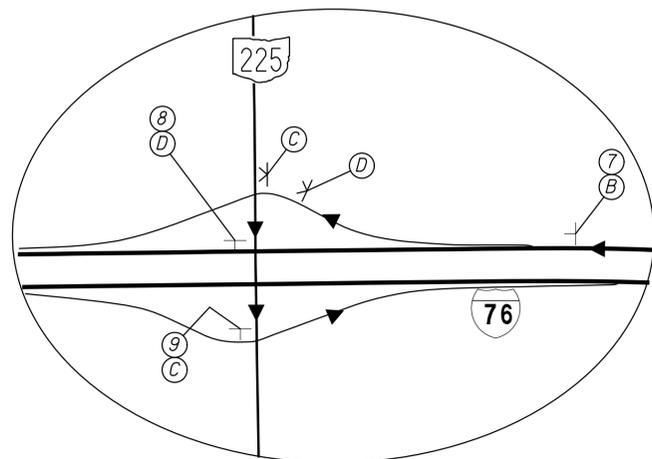
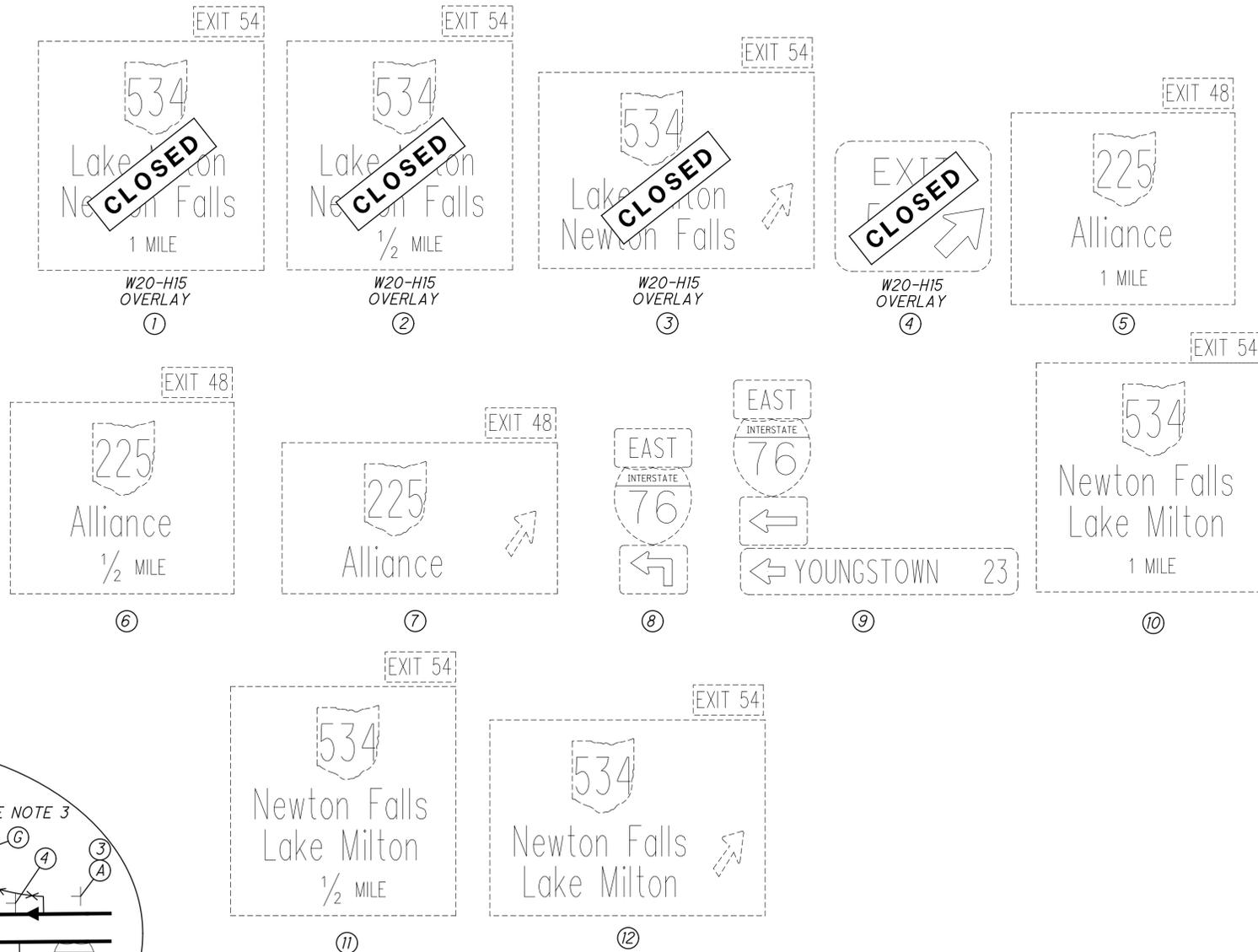
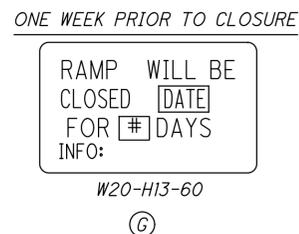
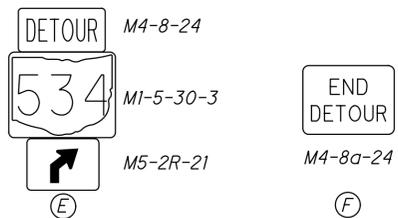
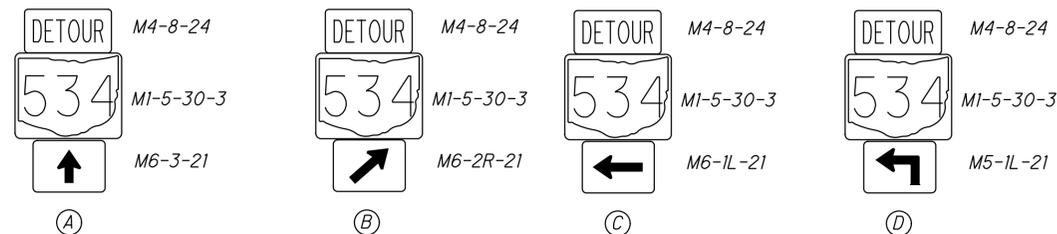
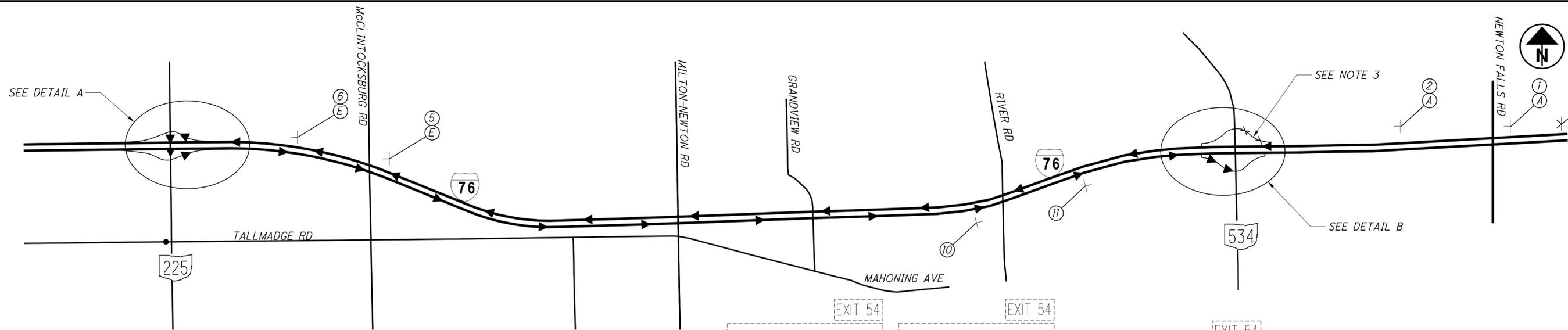
SEQUENCE OF CONSTRUCTION
 THE PROPOSED PLANNED IMPROVEMENTS ADJACENT TO IR 76 AND RAMP B SHALL BE COMPLETED WITH TRAFFIC BEING SHIFTED AWAY FROM THE WORK ZONE DURING WORKING HOURS. THE FULL LANE WIDTH SHALL BE RESTORED WITH DRUMS MOVED TO THE SHOULDER DURING NON-WORKING HOURS. RAMP B SHALL REMAIN OPEN AT ALL TIMES, WITH THE EXCEPTION OF A 30 DAY CLOSURE PRIOR TO MAY 1ST AND A 5 DAY CLOSURE AFTER MAY 1ST (SEE SHEETS 5 AND 10A).

DRUM SPACING CHART	
TANGENT	80' c/c
TAPER	20' c/c
RADII/CLOSURE	10' c/c

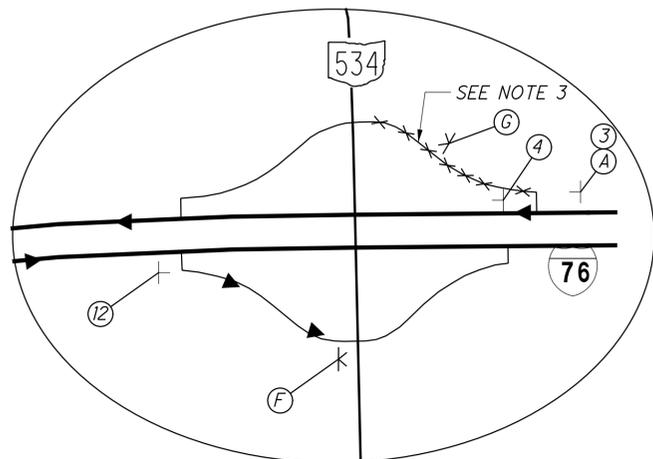
- LEGEND**
- WORK ZONE
 - DRUM
 - TEMPORARY SIGN SUPPORT
 - EXISTING SIGN SUPPORT
 - OPEN TRAVEL LANE

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DETAIL A



DETAIL B

- NOTES:
1. PRIOR TO MAY 1ST 2024, RAMP B MAY BE CLOSED ONE TIME FOR A MAXIMUM OF 30 CONSECUTIVE DAYS. THE RAMP MUST REOPEN PRIOR TO MAY 1ST. DETOUR SIGNAGE SHALL BE INSTALLED PER THIS SHEET FOR THE DURATION OF THE CLOSURE.
 2. AFTER MAY 1ST 2024, RAMP B MAY BE CLOSED ONE TIME FOR A MAXIMUM OF 5 CONSECUTIVE DAYS (MONDAY - FRIDAY) TO INSTALL PANELS. THE 5 DAY CLOSURE SHALL NOT OCCUR DURING A HOLIDAY WEEK. DETOUR SIGNAGE SHALL BE INSTALLED PER THIS SHEET FOR THE DURATION OF THE CLOSURE. DURING PERMITTED DETOURS, RAMP B SHALL BE CLOSED PER ODOT SCD MT-98.29. ADDITIONALLY, TEMPORARY "EXIT OPEN" SIGNAGE ON SHEETS 9 AND 11 SHALL BE REMOVED OR COVERED.

LEGEND

	DETOUR ROUTE - IR 76 WB TO SR 534
	RAMP CLOSURE
	TEMPORARY SIGN SUPPORT
	EXISTING SIGN SUPPORT

CALCULATED
RLS
CHECKED
SMM

MAINTENANCE OF TRAFFIC PLAN - IR-76
RAMP B DETOUR PLAN

MAH-76-3.03

