

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

FRA-70-7.38 CITY OF COLUMBUS FRANKLIN COUNTY

FEDERAL PROJECT NUMBER

E201 (123)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

LINE CULVERT AT FRA-70-7.38 CARRYING DERRER DITCH JUST EAST OF IR 270 (WEST)

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 1.0 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: NA (NOI NOT REQUIRED) ROUTINE MAINTENANCE PROJECT

LIMITED ACCESS

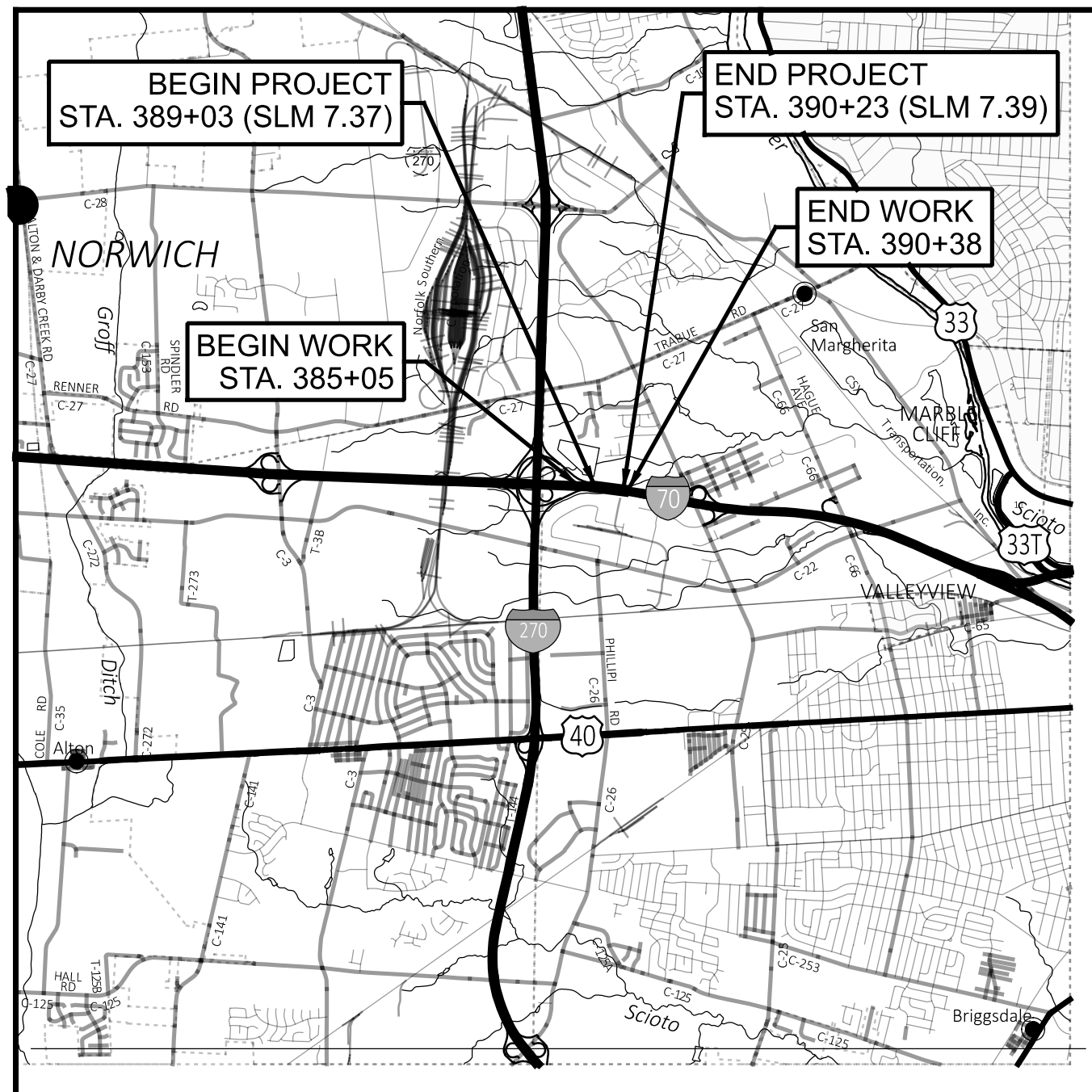
THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 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.

TRAFFIC NOT REROUTED

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 SET FORTH ON THE PLANS AND ESTIMATES.



LOCATION MAP

LATITUDE: 39°58'34" LONGITUDE: 83°06'38"



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

DESIGN DESIGNATION

CURRENT ADT (2023)	-----	122,000
DESIGN YEAR ADT (2043)	-----	130,000
DESIGN HOURLY VOLUME (2043)	-----	11,500
DIRECTIONAL DISTRIBUTION	-----	64%
TRUCKS (24 HOUR B&C)	-----	14%
DESIGN SPEED	-----	70 MPH
LEGAL SPEED	-----	65 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	01 INTERSTATE (URBAN)	
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

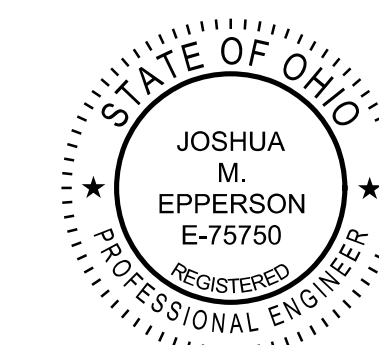
NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO 811. 8-1-1. or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
VS ENGINEERING, INC.
445 HUTCHINSON AVE SUITE 695
COLUMBUS, OHIO 43235

ENGINEER'S SEAL:



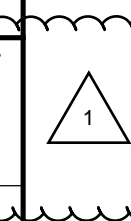
SIGNED: *[Signature]*
DATE: 6/28/2024

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STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-4.1	7/19/13	MT-95.45	7/21/23	800-2023	7/19/24	WATERWAY PERMIT CONDITIONS 10/28/2024	
		MT-99.30	1/17/20	832	7/21/23		
F-1.1	7/19/13	MT-101.70	4/21/23	837	1/19/24		
F-3.3	7/19/13	MT-101.75	7/21/23				
F-3.4	7/19/13	MT-102.10	7/21/23				
		MT-102.30	10/16/15				
MGS-1.1	7/16/21	MT-103.10	1/21/22				
MGS-2.1	1/19/18	MT-105.10	1/17/20				
MGS-2.3	1/20/23						
MGS-4.2	7/19/13	A-1-20	1/21/22				
MGS-4.3	1/18/13	HW-1.1	7/20/18				
MGS-5.2	7/15/16	PCB-91	7/17/20				
MGS-5.3	7/15/16						
MGS-6.1	1/19/18						
RM-4.2	4/17/20						

PS	11/5/24	SPECIAL PROVISIONS UPDATED
REV. BY	DATE	DESCRIPTION
DATE COMPLETED	11/5/2024	



[Signature]
Anthony C. Turowski, P.E.
District 06 Deputy Director

[Signature]
Jack Marchbanks, PhD
Director, Department of Transportation

TITLE SHEET

DESIGN AGENCY



DESIGNER
PS

REVIEWER
JME 05-21-24

PROJECT ID
112705

SHEET TOTAL
P.1 P.18

FRA-70-7.38

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 11/5/2024 TIME: 3:16:22 PM USER: Pratik Shrestha F:\2021\OH 2104724 ODOT FID 112705 FRA-70-7.38 Culvert\112705\00-Engineering\Roadway\Sheets\112705_GT001.dgn

ITEM 614, MAINTAINING TRAFFIC

ITEM 614 MAINTAINING TRAFFIC

TRAFFIC SHALL BE MAINTAINED ACROSS ALL EXISTING LANES OF I-70 AND I-270, INCLUDING RAMP LANES, AT ALL TIMES. SHOULDER CLOSURE ON THE OUTSIDE LANES WILL BE PERMITTED FOR THE DURATION OF CONSTRUCTION AND THE WORK ZONE SHALL BE PROTECTED BY PORTABLE BARRIER AND THE APPROPRIATE TERMINAL DEVICES AND SIGNAGE.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, APPLICABLE ODOT STANDARD DRAWINGS, AND ITEM 614 MAINTAINING TRAFFIC.

THE CONTRACTOR WILL ADVISE THE DISTRICT 6 PUBLIC INFORMATION OFFICE VIA EMAIL AT D06@DOT.STATE.OH.US SEVEN (7) DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE PROJECT ENGINEER WILL PROVIDE ASSISTANCE / CLARIFICATION FOR ANY QUESTIONS.

STAGING

TO CLARIFY "STAGING" PURSUANT TO CMS 107.11(D): STAGING OF MATERIALS TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION IS PERMITTED AT THE FOLLOWING LOCATIONS:

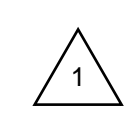
- BEYOND THE OUTSIDE LANES OF TRAFFIC, EITHER THE CLEAR ZONE OR BEHIND BARRIER PROTECTION, WITHIN 1500 FT OF THE PROJECT SITE.

ITEM 614, MAINTAINING TRAFFIC (LANE CLOSURE/ REDUCTION REQUIRED)

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTION SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

CONSTRUCTION SEQUENCE

ONCE TRAFFIC CONTROL DEVICES ARE IN PLACE AND MOBILIZATION IS COMPLETE, COFFERDAM AND PUMP CAN BE INSTALLED UPON THE DERRER DITCH, UPSTREAM OF THE INLET. THE PUMP WILL MAINTAIN BYPASS FLOW THROUGH THE EXISTING CONDUIT. WHILE COFFERDAM IS IN PLACE, LINER PIPE INSTALLATION WILL OCCUR, ALONG WITH BULKHEAD AND HEADWALL CONSTRUCTION AT BOTH ENDS OF THE PIPE. FINAL GRADING AND ANCILLARY CONSTRUCTION OPERATIONS WILL BE PERFORMED AS THE CULVERT AND CHANNEL WORK HAVE BEEN COMPLETED.



PAVEMENT MARKING REMOVAL

DUE TO THE AGE OF THE PAVEMENT - ONLY TEMPORARY MOT MEASURES SHALL BE USED. NO WATER BLASTING, OR DESTRUCTIVE MEASURES SHALL BE USED TO MODIFY PAVEMENT MARKINGS.

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

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

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

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

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

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

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

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

APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S)

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE APPROVED MOT EXCEPTION(S) PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

APPROVED MOT EXCEPTION(S) INCLUDE:

- SYSTEM TO SYSTEM RAMP CLOSURES PER THE RAMP CLOSURE RESTRICTIONS TABLE SHOWN ON SHEETS P.10

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF [30] CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER AND CITY OF COLUMBUS TEMPORARY CONTROL COORDINATOR (614-645-6269 OR 614-645-5845) AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND EMAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED [04/03/2024] FOR PID 112705" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTION(S) LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE MOT EXCEPTION COMMITTEE (MOTEC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED, THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE MOTEC. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING, THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

PRE-MAINTENANCE OF TRAFFIC MEETING

A PRE-MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD (MINIMUM 14 WORK DAYS) PRIOR TO WORK BEGINNING OR ANY CHANGE OF PHASING. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER (D06.MOT@DOT.OHIO.GOV) AS WELL AS THE CONTRACTOR AND ANY OF HIS SUB-CONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL. FOR COLUMBUS SECTIONS OF ROADWAY, ALSO INCLUDE THE TEMPORARY CONTROL COORDINATOR (614-645-6269 OR 614-645-5845) FROM THE CITY OF COLUMBUS TRANSPORTATION DIVISION.

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITIES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

SHORT DURATION RAMP CLOSURES

FOR THE PURPOSE OF PERFORMING THE REQUIRED WORK OR WHEN REQUIRED BY THE INTERSTATE ENTRANCE RAMP CLOSURE NOTE, RAMP CLOSURES MAY BE CLOSED FOR SHORT DURATIONS AND DETOURED IN ACCORDANCE WITH THE RAMP CLOSURE TABLE IF APPROVED BY THE ENGINEER. RAMP CLOSURES ARE SUBJECT TO DISINCENTIVES.

FOR ALL SERVICE RAMP CLOSURES LASTING MORE THAN 12 HOURS BUT LESS THAN 60 HOURS AND/OR, FOR ALL SYSTEM RAMP CLOSURES LASTING MORE THAN 12 HOURS BUT LESS THAN 24 HOURS

THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AS DIRECTED BY THE ENGINEER, TO WARN DRIVERS OF THE CLOSURE AND TO PROVIDE THE DESIGNATED DETOUR ROUTE.
- POSITIVE GUIDANCE ALONG THE DETOUR ROUTE WITH DETOUR SIGNS (M4-9 SERIES) IN ACCORDANCE WITH THE DETOUR SIGNS NOTE.

FOR ALL RAMP CLOSURES LASTING LESS THAN 12 HOURS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) PLACED, AS DIRECTED BY THE ENGINEER, TO WARN DRIVERS OF THE CLOSURE AND TO PROVIDE THE DESIGNATED DETOUR ROUTE.

WHEN CLOSING ENTRANCE RAMPS, CORRESPONDING LEAD-IN LANES AND TURN LANES SHALL ALSO BE CLOSED.

IF A DESIGNATED DETOUR ROUTE IS NOT PROVIDED IN THE PLANS, TRAFFIC SHALL BE DIRECTED TO THE NEXT INTERCHANGE, IF AVAILABLE, TO TURN AROUND. IF THE USE OF THE NEXT INTERCHANGE IS NOT POSSIBLE, AN ALTERNATIVE DETOUR ROUTE SHALL BE PROVIDED BY THE ENGINEER.

SERVICE RAMP: INTERCHANGE RAMPS BETWEEN FREEWAYS (OR EXPRESSWAYS AND NON-FREEWAYS OR (NONEXPRESSWAYS). THESE RAMPS PROVIDE ACCESS (CONNECTIONS) BETWEEN FREEWAYS/EXPRESSWAYS AND OTHER PRINCIPAL/MINOR ARTERIALS, COLLECTORS OR LOCAL ROADS.

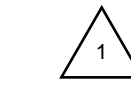
SYSTEM RAMP: INTERCHANGE RAMPS (OR CONNECTORS) BETWEEN FREEWAYS (OR EXPRESSWAYS) AND FREEWAYS (OR EXPRESSWAYS).

DESIGNER NOTE:

SYSTEM RAMP CLOSURES WITH PLANNED DURATIONS OF >=72 CONSERVATIVE HOURS REQUIRE APPROVAL FROM THE DISTRICT DEPUTY DIRECTOR;

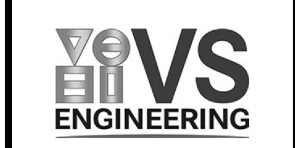
SYSTEM RAMP CLOSURES WITH PLANNED DURATIONS LONGER THAN 72 CONSECUTIVE HOURS REQUIRE APPROVAL OF THE MOTEC;

MAINLINE RAMP CLOSURES REQUIRE APPROVAL OF THE MOTEC.



PS	11/5/24	CONSTRUCTION SEQUENCE NOTE UPDATED
REV. BY	DATE	DESCRIPTION
DATE COMPLETED	11/5/2024	

DESIGN AGENCY



DESIGNER

PS

REVIEWER

JME 05-21-24

PROJECT ID

112705

SHEET TOTAL

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