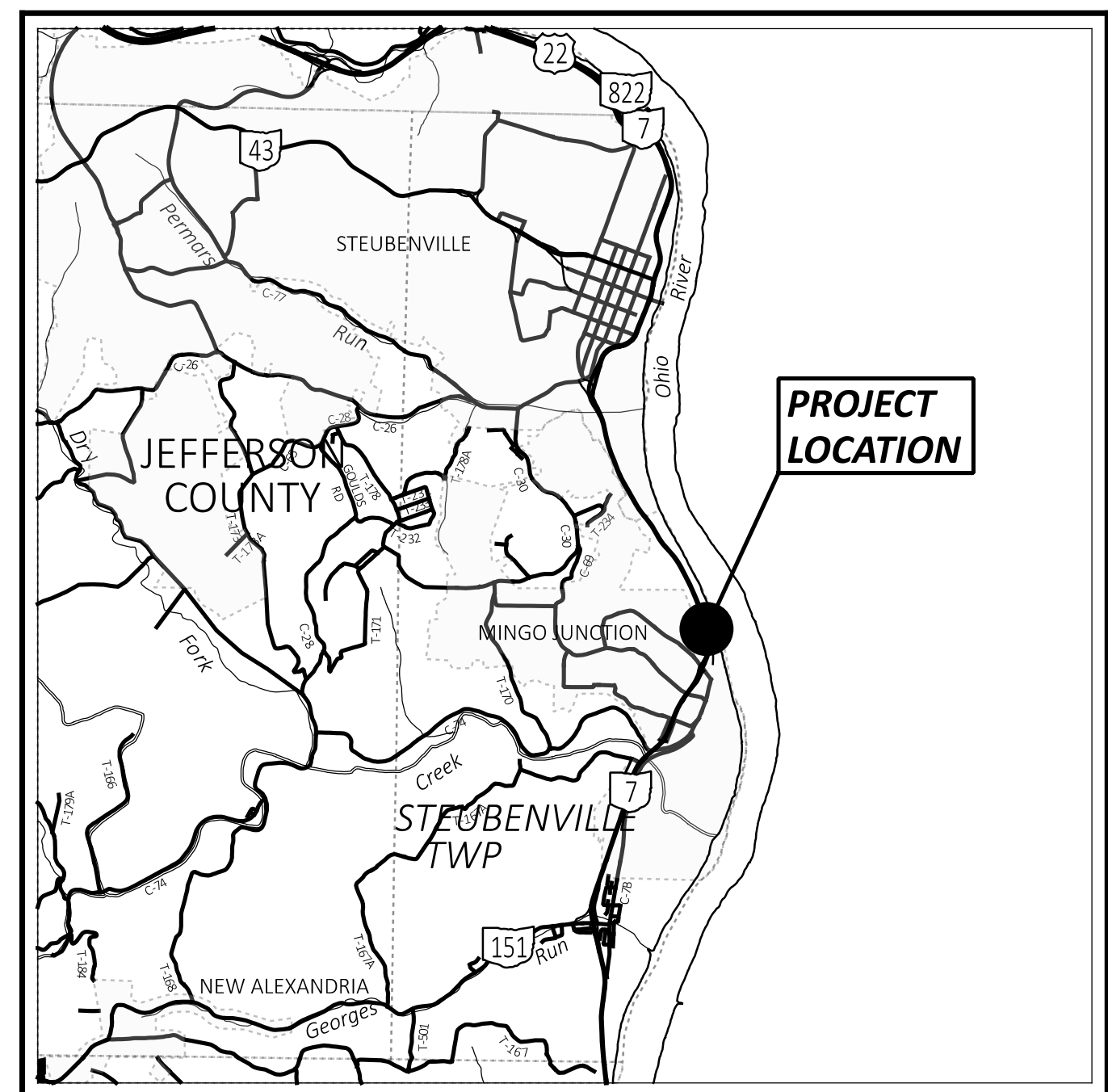


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

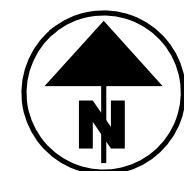
JEF-7-13.95

VILLAGE OF MINGO JUNCTION
STEUBENVILLE TWP
JEFFERSON COUNTY



LOCATION MAP

LATITUDE: N 40°19'40" LONGITUDE: W 80°36'20"



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

DESIGN DESIGNATION

CURRENT ADT (2026)	-----	15,000
DESIGN YEAR ADT (2046)	-----	17,000
DESIGN HOURLY VOLUME (2046)	-----	21,000
DIRECTIONAL DISTRIBUTION	-----	55%
TRUCKS (24 HOUR B&C)	-----	18%
DESIGN SPEED	-----	60 MPH
LEGAL SPEED	-----	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
2 - OTHER FREEWAY AND EXPRESSWAY (URBAN)		
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

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

PLAN PREPARED BY:
O.D.O.T. DISTRICT 11
CAPITAL PROGRAMS - ENGINEERING
NEW PHILADELPHIA, OH

INDEX OF SHEETS:

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GENERAL SUMMARY	P.09 - P.10
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S.R. 7 - RAMP D CROSS SECTIONS	P.13 - P.25
MISCELLANEOUS DETAILS	P.26 - P.27
DRAINAGE DETAILS	P.28 - P.30
RETAINING WALL DETAILS	P.31 - P.46
GEOTECH SHEETS	P.47 - P.65
RIGHT-OF-WAY	RW.01 - RW.07

STANDARD CONSTRUCTION DRAWINGS					SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	MT-95.30	7/18/25	TC-41.20	10/18/13	800-2023 1/16/26
		MT-95.45	1/17/20	TC-42.20	10/18/13	832 7/18/25
DM-1.1	1/17/25	MT-101.80	1/17/25	TC-52.10	10/18/13	843 1/19/24
DM-4.3	1/15/16	MT-105.10	1/17/20	TC-52.20	1/15/21	866 4/21/17
DM-4.4	1/15/16			TC-61.30	7/19/24	
MGS-2.1	1/16/26					
MH-1	7/15/22					
MH-3	7/19/24					

FEDERAL PROJECT NUMBER

E220(331)

RAILROAD INVOLVEMENT

NORFOLK SOUTHERN
WHEELING LAKE ERIE

PROJECT DESCRIPTION

IMPROVEMENT OF 0.05 MILES (250') OF RAMP D ENTRANCE TO S.R. 7 BY REPLACEMENT OF CULVERT SYSTEM UNDER NORTHBOUND S.R. 7 ENTRANCE RAMP D (LOGAN AVE.), INCLUDING FULL PAVEMENT REPLACEMENT, CONSTRUCTION OF TWO DRILLED SHAFT AND SOLDIER PILE WALLS, AND EXTENSION OF THE CULVERT SYSTEM TO THE OHIO RIVER.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.7 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.9 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (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.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET P.07.

Thomas D. Corey
District 11 Deputy Director

Pamela Boratyn
Director, Department of Transportation

<p>ENGINEER'S SEAL ROADWAY, DRAINAGE</p>	<p>ENGINEER'S SEAL RETAINING WALLS GEOTECH</p>
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TITLE SHEET

DESIGN AGENCY	
DESIGNER	SAH
REVIEWER	BSH 08/05/24
PROJECT ID	113999
SHEET	TOTAL
P.01	65

JEF-7-13.95

MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/30/2026 TIME: 3:03:31 PM USER: shorrisb pwc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 11\Jefferson\113999\400-Engineering\Roadway\Sheets\113999_GTO01.dgn

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF 1 LANE(S) OF TRAFFIC IN EACH DIRECTION ON S.R. 7 SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. IF THE EXISTING GUARDRAIL IS REMOVED FOR ACCESS, THE OPENING SHALL BE PROTECTED AT ALL TIMES. THE SHOULDER SHALL BE EITHER CLOSED PER SCD MT-95.45 OR THE EXISTING GUARDRAIL MUST BE REPLACED DURING ALL NON-WORKING HOURS. S.R. 7 LANES CAN BE CLOSED PER SCD MT-95.30 BUT MUST OCCUR IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE SCHEDULE, AND LANES SHALL BE OPEN DURING DESIGNATED HOLIDAYS OR EVENTS LISTED BELOW.

A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED ON RAMP D (NORTHBOUND S.R. 7 ENTRANCE RAMP) AT ALL TIMES EXCEPT FOR A PERIOD NOT TO EXCEED 200 CONSECUTIVE CALENDAR DAYS, STARTING APRIL 5, 2027 WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS P.07 - P.08. LIQUIDATION DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH C&MS 108.07 FOR EACH CALENDAR DAY THE ROAD REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

LENGTH AND DURATION OF ALL CLOSURE AND RESTRICTIONS ON 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.

ON S.R. 7, 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)	THANKSGIVING
MEMORIAL DAY	CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)	LABOR DAY
GENERAL/REGULAR ELECTION DAY (NOV)	

THE PERIOD OF TIME THAT THE LANES ON S.R. 7 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 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
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY THROUGH 12AM 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 \$5,700 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ON S.R. 7 ARE VIOLATED.

(CONTINUED...)

ITEM 614, MAINTAINING TRAFFIC

(CONTINUED...)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ON COMMERCIAL AVE. AT INTERSECTION OF LOGAN AVE.
ON LOGAN AVE. AT THE INTERSECTION OF SOUTHBOUND RAMP TO SR 7 ENTRANCE RAMP

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS FOLLOWS:

ON RAMP D AS SHOWN ON SHEET P.07 & P.08

RAMP D IS CURRENTLY CLOSED. THE CONTRACTOR SHALL COORDINATE WITH ODOT JEFFERSON COUNTY OPERATIONS FORCES, JEFF WESSLING (330-308-6543) BEFORE PLACING DETOUR SIGNS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR IS HEREBY ADVISED THAT PROJECT JEF-7-14.32, PID 113626 AND PROJECT JEF-7-10.75 PID 107503 MAY BE UNDER CONSTRUCTION DURING THE SAME PERIOD THIS PROJECT IS BEING CONSTRUCTED. UPON AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OTHER CONTRACTORS OF THE EFFECTS OF THIS CONTRACT UPON THE JEF-7-14.32 OR JEF-7-10.75 PROJECTS. THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS IN ACCORDANCE WITH SEC. 105.08 AND ARRANGE A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY CONFLICTS BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREAS OR COOPERATION WILL BE RESOLVED BY THE ENGINEER.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE. LANE CLOSURE(S) SHALL NOT BE PERMITTED ON THE FOLLOWING HIGHWAYS WHEN AN APPLICABLE SCHEDULE IS NOT PUBLISHED: INTERSTATES (FUNCTIONAL CLASSIFICATION 1), OTHER FREEWAYS AND EXPRESSWAYS (FUNCTIONAL CLASSIFICATION 2), MULTILANE MAINLINE RAMPS, AND MULTILANE SYSTEM RAMPS.

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE PLCS MONTH.

(FOR EXAMPLE: IF THE SALE DATE FOR THE PROJECT WAS MARCH OF 2021, THE MONTHLY PUBLISHED SCHEDULES FOR EACH APPLICABLE PLCS SEGMENT WOULD BE DECEMBER 2019 TO NOVEMBER 2020. IF THIS WAS A THREE-YEAR PROJECT, YEAR THREE WOULD STILL BE USING THE DECEMBER 2019 TO NOVEMBER 2020 MONTHLY SCHEDULES. IF THE PROJECT DESIRED TO CLOSE TWO LANES IN JUNE 2021, REFERENCE WOULD BE MADE TO THE JUNE 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S). IF THE SAME TWO LANES WERE DESIRED TO BE CLOSED AGAIN IN JULY 2021, REFERENCE WOULD BE MADE TO THE JULY 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S).)

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY.

EXCEPT AS DIRECTED IN THE FIRST PARAGRAPH OF THIS PLAN NOTE, ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES AND/OR LANE CLOSURE SCENARIOS NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

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.

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	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 10 M. GAL.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614 - WORK ZONE EDGE LINE, 0.10 MILES
CLASS III, 6", 642 PAINT

DESIGN AGENCY



DESIGNER SAH

REVIEWER DAH 05/26/22

PROJECT ID 113999

SHEET TOTAL

P.05 | 65