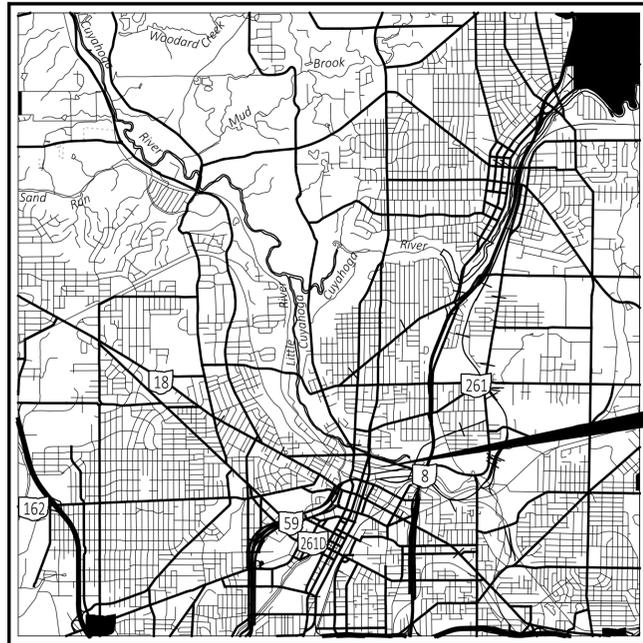


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## SUM-261-10.25

CITY OF AKRON  
SUMMIT COUNTY



BEGIN/END PROJECT  
SUM-261-10.237R/  
SUM-261D-0.664

### LOCATION MAP

LATITUDE: 41°05'16" LONGITUDE: 81°30'46"



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

### DESIGN DESIGNATION

	SUM-261D-0.664	SUM-261-10.237R
CURRENT ADT (2023)	4,714	5,695
DESIGN YEAR ADT (2022)	4,586	5,540
DESIGN HOURLY VOLUME (2022)	437	634
TRUCKS (24 HOUR B&C)	2%	2%
DESIGN SPEED	35 MPH	35 MPH
LEGAL SPEED	35 MPH	35 MPH

### DESIGN FUNCTIONAL CLASSIFICATION:

URBANIZED PRINCIPAL ARTERIAL	
NHS PROJECT	YES

### DESIGN EXCEPTIONS

NONE

### ADA DESIGN WAIVERS

NONE

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

**OHIO811.org**  
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 RD.  
AKRON, OH 44306

### INDEX OF SHEETS:

TITLE SHEET	P.1
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MAINTENANCE OF TRAFFIC	P.3-P.4A, P.4B, P.4C
GENERAL SUMMARY	P.5
STRUCTURES	P.6-P.28

### FEDERAL PROJECT NUMBER

E250042

### RAILROAD INVOLVEMENT

W&LE, MRTA (CVSR)

### PROJECT DESCRIPTION

BRIDGE MAINTENANCE TO  
STRUCTURES SUM-261-10.237R  
AND SUM-261D-0.664

### EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)*

\*ROUTINE MAINTENANCE PROJECT

### 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 REQUIRE THE PART TIME CLOSING OF THE HIGHWAY TO TRAFFIC, AS NOTED ON SHEETS 4A, 4B, & 4C. 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.

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

*Pamela Boratyn*  
Pamela Boratyn  
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
VPF-1-24	7/19/24			800-2023	7/19/24		
				821	4/20/12		
MT-95.30	7/19/19			832	7/19/24		
MT-97.10	4/19/19			848	7/19/24		
MT-105.10	1/17/20			921	7/19/24		
TC-41.20	10/18/13						
TC-42.20	10/18/13						
TC-52.10	10/18/13						
TC-52.20	1/15/21						

ENGINEER'S SEAL BRIDGE, P.1-P.17	ENGINEER'S SEAL BRIDGE, P.18-P.28

TITLE SHEET

DESIGN AGENCY



DESIGNER  
JF

REVIEWER  
MJA 01-03-25

PROJECT ID  
122367

SHEET TOTAL  
P.1 28

SUM-261-10.25

MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/29/2025 TIME: 2:10:07 PM USER: jflzsin  
pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 04\Summit\122367\400-Engineering\Roadway\Sheets\122367\_GT001.dgn

**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. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
3. THE CONTRACTOR IS PERMITTED TO CLOSE ONE LANE OF TRAFFIC ON EACH BRIDGE IN ACCORDANCE WITH OMUTCD TA-33.
4. CLOSE CHARLES ST UNDER THE BRIDGES AS PER SCD MT-101.60. ERECT SIGNS R11-3a-48 / M4-10L-48 AT THE INTERSECTION OF CHARLES ST AND N HOWARD ST. ERECT SIGNS R11-3a-48 / M4-10R-48 AT THE INTERSECTION OF CHARLES ST AND TURNER ST.
5. 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. TO ENSURE THAT WEIGHTED CHANNELIZERS WILL NOT BE BLOWN OVER OR DISPLACED BY WIND AND MOVING TRAFFIC, ALL WEIGHTED CHANNELIZERS UTILIZED ON INTERSTATES AND FREEWAYS SHALL BE FROM MANUFACTURERS ON THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF MATERIAL MANAGEMENT'S QUALIFIED PRODUCTS LIST (QPL) WHICH UTILIZE A MINIMUM OF A 30 POUND BALLAST.

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.

**HINGE JOINT STEEL PAINTING SCHEDULE**

ALL WORK INVOLVED WITH THE FIELD PAINTING OF THE STEEL AT THE HINGE JOINTS SHALL TAKE PLACE AFTER THE HINGE JOINT REPAIRS HAVE BEEN COMPLETED.

Removed interim completion date note

**LOCAL SPECIAL EVENTS AND FESTIVALS**

NO WORK SHALL BE PERFORMED, AND ALL EXISTING LANES SHALL BE OPEN DURING THE FOLLOWING DESIGNATED SPECIAL EVENTS:

AKRON MARTHON  
 BRIDGESTONE INVITATIONAL

THE CONTRACTOR SHALL HAVE THE ALL LANES OPEN BEGINNING 2:00PM THE DAY BEFORE THE EVENT STARTS UNTIL 6:00AM THE MORNING AFTER THE EVENT ENDS. IN THE CASE OF AN EVENT THAT IS FOR THE DURATION OF A WEEKEND, ALL LANES SHALL BE OPEN BY 2:00PM THE FRIDAY BEFORE THE EVENT AND WILL REMAIN OPEN UNTIL AT LEAST 6:00 AM ON THE MONDAY AFTER THE EVENT. SHOULD THE CONTRACTOR FAIL TO HAVE THE LANES OPEN AS DESCRIBED ABOVE, A DISSINCENTIVE PENALTY WILL BE ASSESSED IN THE AMOUNT OF \$3,000 PER HOUR THAT A LANE REMAINS CLOSED. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY WITH THE LOCAL COMMUNITY THE EXACT DATES OF THE LISTED SPECIAL EVENTS.

**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, 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 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 6 SIGN MONTH ASSUMING 2 PCMS SIGN(S) FOR 3 MONTH(S)

**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
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	5 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.

**DETOUR NOTIFICATION [ODOT]**

THE CONTRACTOR SHALL ADVISE THE PROJECT ENGINEER EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

**DETOUR NOTIFICATION [CITY OF AKRON]**

THE CONTRACTOR SHALL ADVISE THE PROJECT ENGINEER AND CITY OF AKRON EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

**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 CMS 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).

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN 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).

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.

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 ZONE.

THE LEOS WORK AT THE DIRECTION OF THE ENGINEER. 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.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING 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. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. 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 100 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 AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

**BRIDGE FENCING**

IF THE CONTRACTOR ELECTS TO PERFORM THE FENCE REPLACEMENT WORK OUTSIDE OF THE 90 DAY CLOSURE THEN ALL EXISTING FENCING THAT IS REMOVED SHALL BE REPLACED WITH A TEMPORARY ANTI-CLIMB FENCING, BARRIER, ETC. AS APPROVED BY THE PROJECT ENGINEER TO PROTECT PEDESTRIANS AS SOON AS POSSIBLE. THIS MATERIAL SHALL BE PREAPPROVED BY THE PROJECT ENGINEER IN WRITING PRIOR TO THE START OF THE FENCE REPLACEMENT WORK. THE TEMPORARY FENCING, BARRIER, ETC. SHALL NOT REMAIN IN PLACE LONGER THAN 7 CALENDAR DAYS AT A TIME BEFORE THE PERMANENT FENCING MUST BE INSTALLED. THE MATERIALS AND LABOR FOR THIS SHALL BE INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

**ITEM 614, MAINTAINING TRAFFIC (TIME LIMITATION ON A DETOUR) (CHARLES ST.)**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 60 CALENDAR DAYS (TWO 30 CONSECUTIVE CALENDAR DAYS) WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 4A.

PEDESTRIAN TRAFFIC SHALL BE DETOURED FOR THE DURATION OF THE CLOSURE AS PER SCD MT-110.10. BARRIERS TO PREVENT PEDESTRIANS UNDER THE STRUCTURES DURING THE CLOSURE SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ENGINEER. THIS WORK SHALL BE INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

**ITEM 614, MAINTAINING TRAFFIC (TIME LIMITATION ON A DETOUR) (SUM-261D-0.664, SUM-261-10.237R)**

A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 90 CONSECUTIVE CALENDAR DAYS PER BRIDGE WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 4B. BOTH STRUCTURES SHALL NOT BE CLOSED AT THE SAME TIME.

PEDESTRIAN TRAFFIC WILL NOT BE PERMITTED ON THE STRUCTURES DURING THESE CLOSURES. REFER TO THE DETOUR PROVIDED ON SHEET 4C.

**ITEM 614, MAINTAINING TRAFFIC (TIME LIMITATION ON A DETOUR) (PEDESTRIANS)**

PEDESTRIANS SHALL BE DETOURED AS SHOWN ON SHEET 4C DURING THE FENCE INSTALLATION, HINGE REFURBISHMENT, AND BRIDGE PAINTING OPERATIONS FOR STRUCTURE SUM-261D-0.664. BARRIERS TO PREVENT PEDESTRIAN ACCESS TO THE STRUCTURES SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ENGINEER. THIS WORK SHALL BE INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

DESIGN AGENCY



DESIGNER  
JF

REVIEWER  
MJA 01-03-25

PROJECT ID  
122367

SHEET TOTAL  
P.4 28



### DETOUR ROUTE FOR CHARLES ST

NOT TO SCALE



DETOUR ROUTE: N HOWARD ST / E GLENWOOD AVE / TURNER ST

CLOSED AS PER SCD MT-101.60 AND MT-110.10

REFER TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES,  
FIGURE 6H-8 (TYPICAL APPLICATION 8), FOR SIGN SPACING.

# ON TYPE III BARRICADE WITH TYPE B FLASHERS MOUNTED PER SCD MT-101.60

A # ROAD CLOSED  
R11-2-48

B # ROAD CLOSED  
0.1 MILES AHEAD  
LOCAL TRAFFIC ONLY  
R11-3a-60  
M4-10L-48

C # ROAD CLOSED  
0.1 MILES AHEAD  
LOCAL TRAFFIC ONLY  
R11-3a-60  
M4-10R-48

D   
W20-2-36  
CHARLES ST  
D3-1-30

E CHARLES ST  
D3-1-30  
M4-9L-30

F CHARLES ST  
D3-1-30  
M4-9R-30

G   
R9-9-30

H   
R9-H9a-30  
M4-9b-30

I   
R9-H9a-30  
M4-9b-30

J   
M4-9b-30

K   
M4-9b-30

MAINTENANCE OF TRAFFIC - CLOSURE OF CHARLES ST

DESIGN AGENCY



DESIGNER

JF

REVIEWER

MJA 01-03-25

PROJECT ID

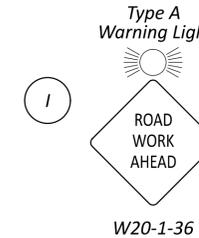
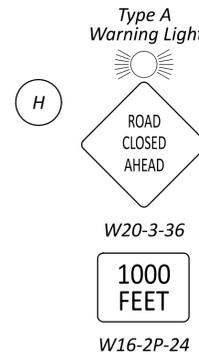
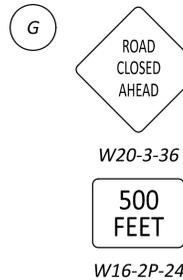
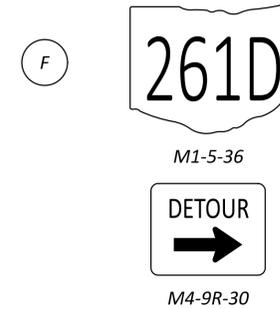
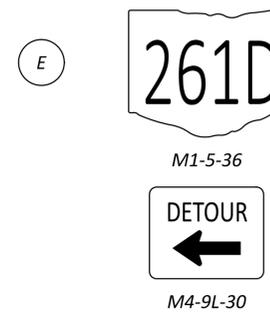
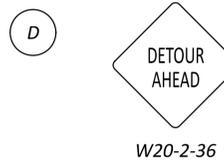
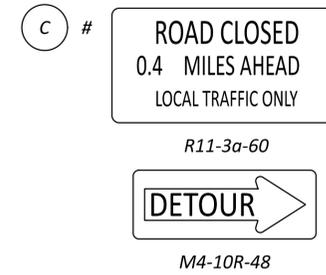
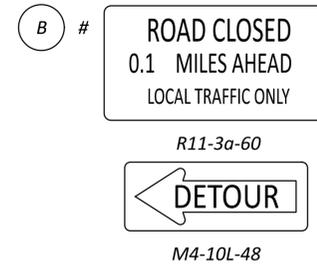
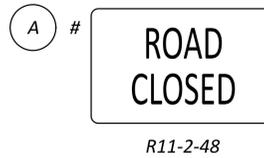
122367

SHEET TOTAL

P.4A 28



NOT TO SCALE



### DETOUR ROUTE FOR STRUCTURES SUM-261D-0.664 & SUM-261-10.237R

↔ DETOUR ROUTE: TALLMADGE AVE / N HOWARD ST / PERKINS ST

CLOSE STRUCTURES AS PER SCD MT-101.60

REFER TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES,  
FIGURE 6H-8 (TYPICAL APPLICATION 8), FOR SIGN SPACING.

# ON TYPE III BARRICADE WITH TYPE B FLASHERS MOUNTED PER SCD MT-101.60

DESIGN AGENCY



DESIGNER

JF

REVIEWER

MJA 01-03-25

PROJECT ID

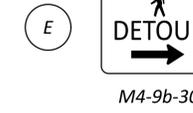
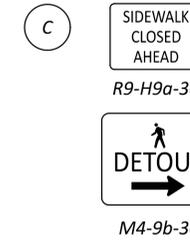
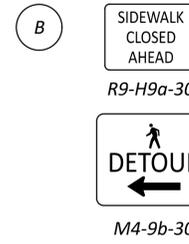
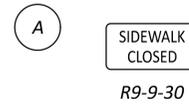
122367

SHEET TOTAL

P.4B | 28



NOT TO SCALE



### PEDESTRIAN DETOUR ROUTE FOR STRUCTURE SUM-261D-0.664

 DETOUR ROUTE: TALLMADGE AVE / N HOWARD ST / PERKINS ST

CLOSE SIDEWALK AS PER SCD MT-110.10

REFER TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES,  
FIGURE 6H-8 (TYPICAL APPLICATION 8), FOR SIGN SPACING.

DESIGN AGENCY



DESIGNER

JF

REVIEWER

MJA 01-03-25

PROJECT ID

122367

SHEET

P.4C

TOTAL

28

**ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN**

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS. SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH C&MS 501.05. IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR A DISTANCE OF THE SEPARATION IN ACCORDANCE WITH C&MS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS. THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

**SPECIAL STRUCTURES: REFURBISHING AND LUBRICATING STEEL HINGES (SUM-261D-0.664 & SUM-261-10.237R)**

THIS WORK SHALL CONSIST OF REFURBISHING AND LUBRICATING THE STEEL HINGES.

WORK SHALL INCLUDE REPLACING THE CAPS, PINS, WASHERS, BUSHINGS, AND HANGARS IN KIND AS THE EXISTING PARTS, CLEANING AND REMOVING ANY DEBRIS OR PACK RUST, AND LUBRICATING THE ASSEMBLY. THE CONTRACTOR IS ENCOURAGED TO SEE THE DIMENSIONS OF THESE PARTS IN THE REFERENCE FILES PROVIDED BY ODOT. ALL REPLACEMENT STEEL COMPONENTS SHALL BE 3-COAT PAINTED (PRIME, INTERMEDIATE, AND SURFACE) AS PER CMS 514, AND PAINTED IN THE SHOP PRIOR TO DELIVERING TO THE PROJECT. THE COLOR OF THE SURFACE COAT SHALL BE FEDERAL COLOR NUMBER 20045 OR 20059, WHICHEVER MATCHES BEST AS PER THE PROJECT ENGINEER.

LOAD RATING REPORTS HAVE BEEN PROVIDED AND ARE AVAILABLE IN THE REFERENCE FILES PROVIDED BY ODOT.

GRINDING AND/OR BORING THE EXISTING HOLES IN THE WEBS FOR THE PINS AND BOLTS IS PERMITTED, BUT INCREASING THE DIAMETER OF THESE HOLES SHALL BE KEPT TO A MINIMUM. THE DIAMETER/SPAN OF THESE EXISTING HOLES CAN BE INCREASED TO A MAXIMUM OF 1/16 INCH. ANY INCREASE BEYOND THIS MUST RECEIVE APPROVAL FROM THE PROJECT ENGINEER AND THE ODOT DISTRICT 4 OFFICE.

**STRUCTURAL STEEL, MISC.: TEMPORARY STIFFENERS**

THIS ITEM HAS BEEN PROVIDED FOR TEMPORARY GIRDER STIFFENERS TO BE USED AS NEEDED TO TEMPORARILY SUPPORT THE GIRDERS DURING THE HINGE JOINT REFURBISHMENT. ONCE THE WORK IS COMPLETE THE STIFFENERS SHALL REMAIN IN PLACE. THE DEPARTMENT WILL PAY FOR THE TOTAL AMOUNT OF STEEL IN POUNDS INSTALLED PER BRIDGE. FIELD PAINTING OF THESE STIFFENERS SHALL BE COMPLETED WITH THE FIELD PAINTING OF THE HINGE JOINTS AS PER CMS 514, AND SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.

SFN  
 VARIOUS  
 DESIGN AGENCY



DESIGNER	CHECKER
JF	MJA

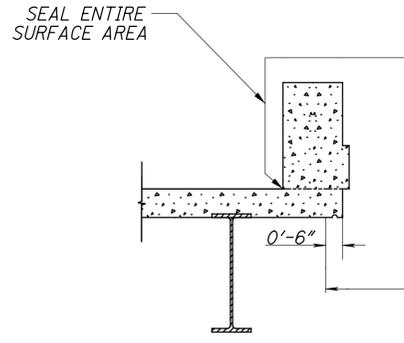
REVIEWER	
TJP	01-03-25

PROJECT ID	
122367	

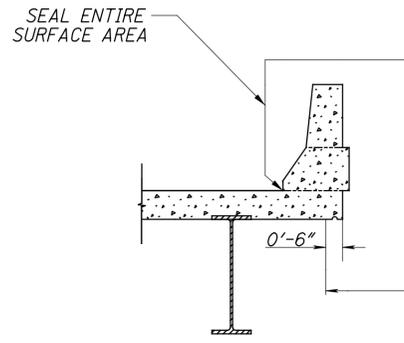
SUBSET	TOTAL
2A	23

SHEET	TOTAL
P.7A	28

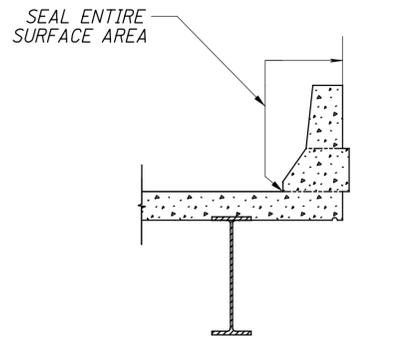




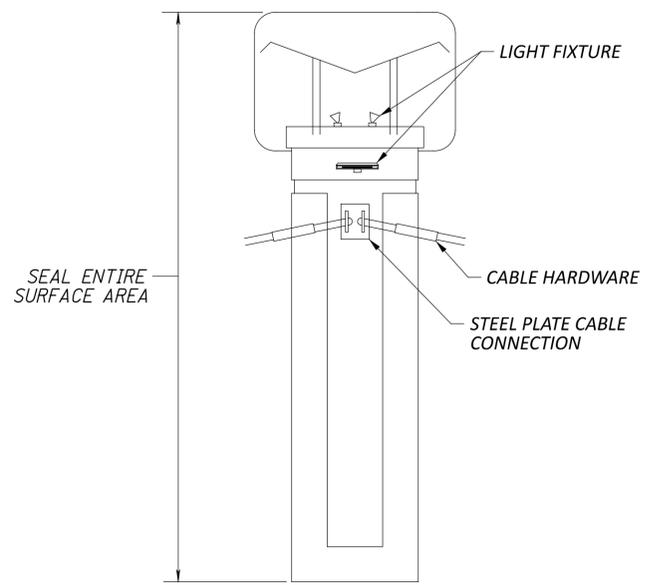
DETAIL A  
CONCRETE DECK WITH  
DEFLECTOR PARAPET



DETAIL B  
CONCRETE DECK WITH  
DEFLECTOR PARAPET



DETAIL C  
CONCRETE DECK WITH  
DEFLECTOR PARAPET



DETAIL D  
CONCRETE PILASTER

BRIDGE NUMBER	SEALING PAY ITEM	STRUCTURE TYPE	PROPOSED SEALING	FEDERAL COLOR NUMBER	ESTIMATED QUANTITIES				
					ABUT (SQ YD)	PIER (SQ YD)	SUPER (SQ YD)	GENERAL (SQ YD)	TOTAL (SQ YD)
SUM-261D-0.664	ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	STEEL CONTINUOUS MULTI-BEAM	SEAL THE LEFT CONCRETE RAILING PER DETAILS A & D SEAL THE RIGHT CONCRETE RAILING PER DETAILS B, C & D	MATCH EXISTING			7515		7515
SUM-261-10.237R	ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	STEEL CONTINUOUS MULTI-BEAM	SEAL THE RIGHT CONCRETE RAILING PER DETAILS B, & D SEAL THE LEFT CONCRETE RAILING PER DETAILS B, C & D	MATCH EXISTING			6220		6220
SUM-261D-0.664	ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	STEEL CONTINUOUS MULTI-BEAM	SEAL PATCHES	MATCH EXISTING				92	92
SUM-261-10.237R	ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	STEEL CONTINUOUS MULTI-BEAM	SEAL PATCHES	MATCH EXISTING				106	106

SEALING DETAILS  
 SUM-261D-0.664 & SUM-261-10.237R  
 OVER LITTLE CUYAHOGA RIVER & WE&MRTA RAILROADS

SFN	7708645
SFN	7708653
DESIGN AGENCY	
DESIGNER	CHECKER
JF	MJA
REVIEWER	
TJP 01-03-25	
PROJECT ID	
122367	
SUBSET	TOTAL
12	23
SHEET	TOTAL
P.17	28