

SUM-261-10.25

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E250042

W&LE, MRTA (CVSR)

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

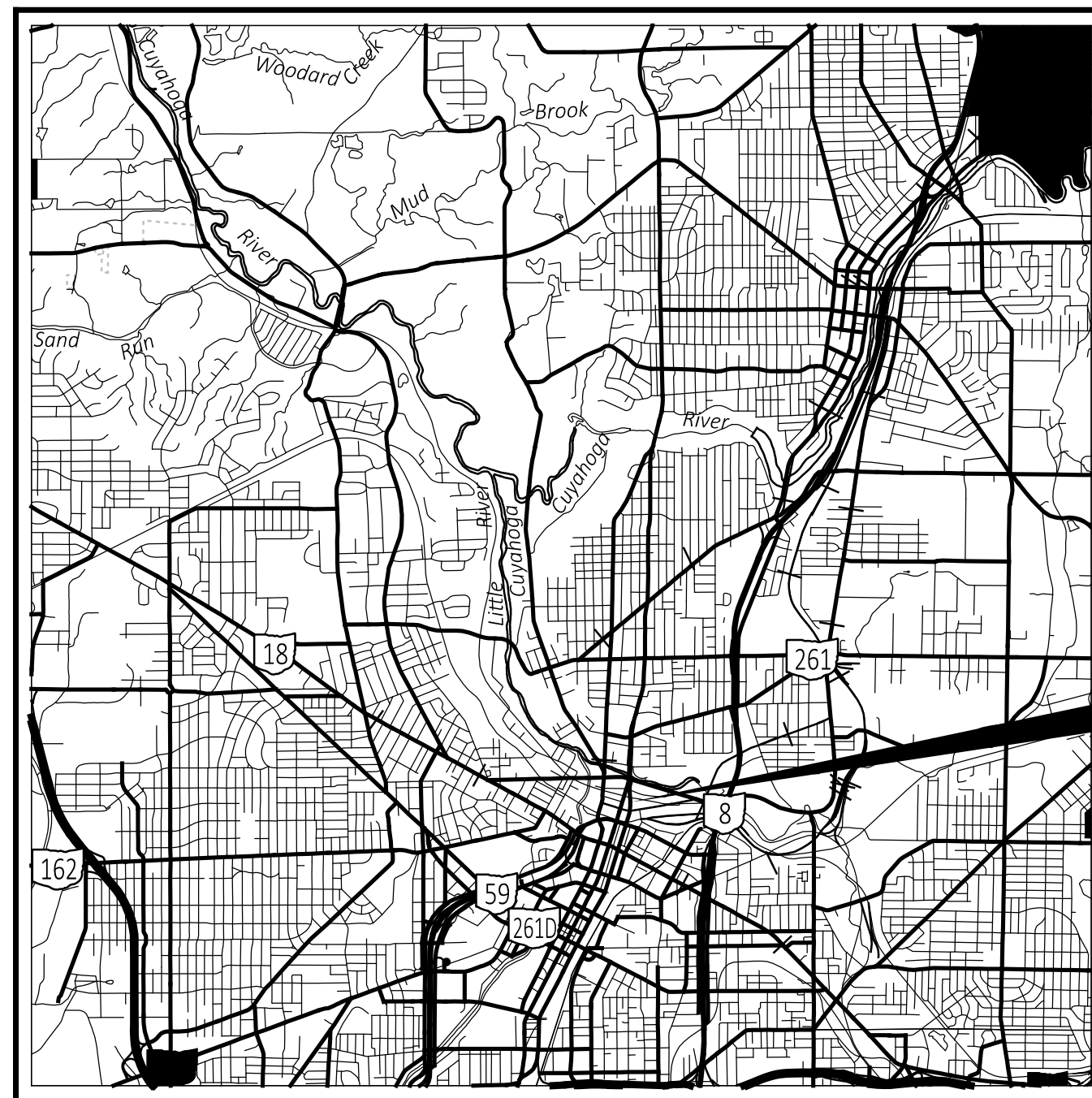
PROJECT EARTH DISTURBED AREA: 0 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)*
*ROUTINE MAINTENANCE PROJECT

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.


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


Pamela Boratyn
Director, Department of Transportation

TITLE SHEET



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

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



NONE

NONE

<p>UNDERGROUND UTILITIES</p> <p>Contact Two Working Days Before You Dig</p>
 <p>OHIO811.org</p> <p>Before You Dig</p>
<p>OHIO811, 8-1-1, or 1-800-362-2764 (Non members must be called directly)</p>

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

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	ENGINEER'S SEAL
<p>BRIDGE, P.1-P.17</p>  <p>A circular seal for the State of Ohio. The outer ring contains the text "STATE OF OHIO" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal contains the text "MARK J. ANDRASIK" and "E-80194".</p>	<p>BRIDGE, P.18-P.28</p>  <p>A circular seal for the State of Ohio. The outer ring contains the text "STATE OF OHIO" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The center of the seal contains the text "SHIRWAN M. SAEED" and "E-78460".</p>

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	>= 2WEEKS	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.

DESIGN AGENCY



DESIGNER

JF

REVIEWER

MJA 01-03-25

PROJECT ID

122367

SHEET

P.3

TOTAL

28

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 PER-
MITTED 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 ENFORCE-
MENT 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 RESPONSI-
BILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC
VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CON-
SIDERED 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 COM-
MUNICATING 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 RE-
TURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINT-
ENANCE 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) IN-
CURRED 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

P.4

TOTAL

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.

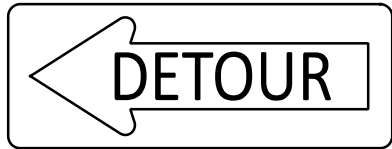
ON TYPE III BARRICADE WITH TYPE B FLASHERS MOUNTED PER SCD MT-101.60

A # ROAD CLOSED

R11-2-48

B # ROAD CLOSED
0.1 MILES AHEAD
LOCAL TRAFFIC ONLY

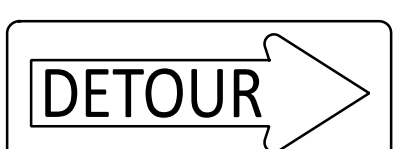
R11-3a-60



M4-10L-48

C # ROAD CLOSED
0.1 MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3a-60



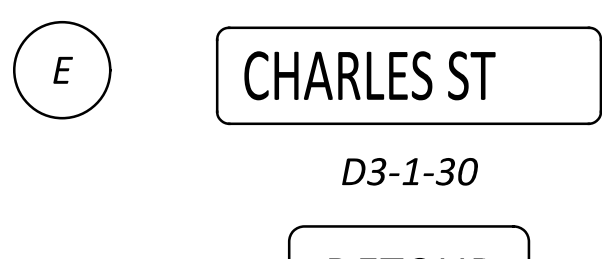
M4-10R-48



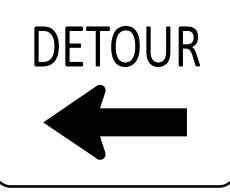
W20-2-36

CHARLES ST

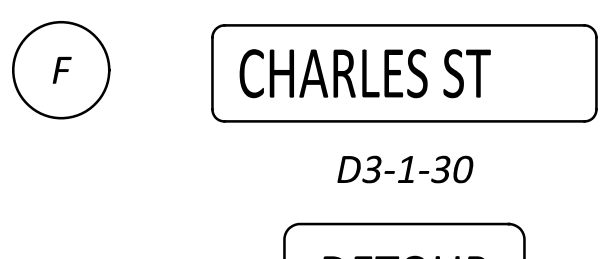
D3-1-30



D3-1-30



M4-9L-30



D3-1-30



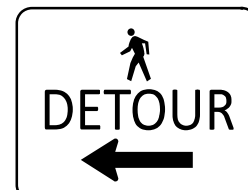
M4-9R-30

G SIDEWALK
CLOSED

R9-9-30

H SIDEWALK
CLOSED
AHEAD

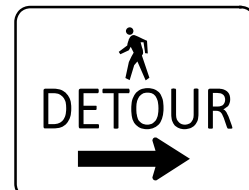
R9-H9a-30



M4-9b-30

I SIDEWALK
CLOSED
AHEAD

R9-H9a-30



M4-9b-30

J SIDEWALK
CLOSED
AHEAD

R9-H9a-30



M4-9b-30

K SIDEWALK
CLOSED
AHEAD

R9-H9a-30



M4-9b-30





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

NOT TO SCALE



A #

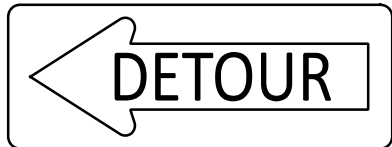
ROAD
CLOSED

R11-2-48

B #

ROAD CLOSED
0.1 MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3a-60

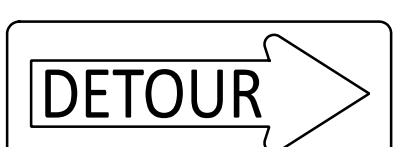


M4-10L-48

C #

ROAD CLOSED
0.4 MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3a-60



M4-10R-48

D

DETOUR
AHEAD

W20-2-36

E



M1-5-36



M4-9L-30

F



M1-5-36



M4-9R-30

G

ROAD
CLOSED
AHEAD

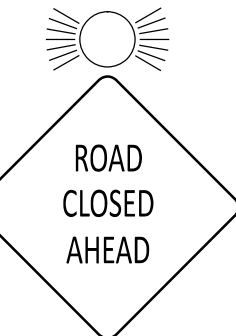
W20-3-36

500
FEET

W16-2P-24

H

Type A
Warning Light



W20-3-36

1000
FEET

W16-2P-24

I

Type A
Warning Light



W20-1-36

J #

ROAD CLOSED
-- MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3a-60





NOT TO SCALE



A

SIDEWALK
CLOSED

R9-9-30

B

SIDEWALK
CLOSED
AHEAD

R9-H9a-30



M4-9b-30

C

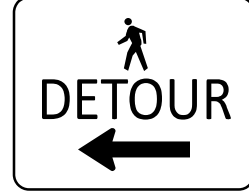
SIDEWALK
CLOSED
AHEAD

R9-H9a-30



M4-9b-30

D



M4-9b-30

E



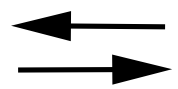
M4-9b-30

F

SIDEWALK
CLOSED
AHEAD

R9-H9a-30

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.



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.

STRUCTURE NOTES
SUM-261D-0.664 & SUM-261-10.237R
OVER LITTLE CUYAHOGA RIVER & WE&MRTA RAILROADS

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

CALC:	JF	DATE:	11/27/2024
CHECKED:	MJA	DATE:	11/27/2024

ESTIMATED QUANTITIES												
BRIDGE NO. / STRUCTURE FILE NO.								ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
SUM-261D-0.664 7708645 01/NHS/47	SUM-261-10.237R 7708653 01/NHS/47											
LS	LS							201	11001		CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS	1 / 23
4841	4951							202	75001	FT	FENCE REMOVED, AS PER PLAN	13 / 23
7605	6326							512	10100	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
7515	6220							512	74000	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
10381	10344							514	00050	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
10381	10344							514	00056	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
10381	10344							514	00060	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
10381	10344							514	00066	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
3	3							514	10000	EACH	FINAL INSPECTION REPAIR	
8	8							514	00504	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
LS	LS							516	47001		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	2A / 23
610	735							516	10010	FT	ARMORLESS PREFORMED JOINT SEAL	
100	50							519	11101	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	1 / 23
59	66							519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	
12	12							SPECIAL	53000400	EACH	STRUCTURES: REFURBISHING AND LUBRICATING STEEL HINGES	1 / 23
35	35							SPECIAL	53000500	HOURL	STRUCTURES: SALT REMEDIATION FOR STRUCTURAL STEEL PAINTING	1 / 23
80	100							SPECIAL	53000800	SY	STRUCTURES: CONCRETE SPALL REMOVAL WITH ZINC RICH PRIMER APPLIED	1 / 23
4851	2246							SPECIAL	53000800	SY	STRUCTURES: STRUCTURAL DEBRIS NETTING INSTALLATION	2 / 23
	32							847	10001	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY, AS PER PLAN (T=2 1/4")	2 / 23
	1							847	20001	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PLAN	2 / 23
	LS							847	30000		TEST SLAB	2 / 23
	1							847	30201	CY	FULL DEPTH REPAIR, AS PER PLAN	
	32							847	30401	SY	EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN (T=2")	
	2							847	50000	SY	HAND CHIPPING	2 / 23
2	2							630	80100	SF	SIGN, FLAT SHEET, 730.20	
2	2							630	84900	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
4320	4320							SPECIAL	530E00300	LB	STRUCTURES: STEEL, MISC.: TEMPORARY STIFFENERS	3 / 23
											ALTERNATES	13 / 23
4841	4951							607	98000	FT	FENCE, MISC.: VANDAL PROTECTION FENCE, 7.50' STRAIGHT, COATED FABRIC (ALTERNATE 1)	
4841	4951							607	39900	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC (ALTERNATE 2)	

ESTIMATED QUANTITIES
SUM-261D-0.664 & SUM-261-10.237R
OVER LITTLE CUYAHOGA RIVER & WE&MRTA RAILROADS

SFN
7708645

SFN
7708653

DESIGN AGENCY



DESIGNER
JF

CHECKER
MJA

REVIEWER
TJP 01-03-25

PROJECT ID
122367

SUBSET TOTAL
3 23


SHEET TOTAL
P.8 28



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