

STATE OF OHIO DEPARTMENT OF TRANSPORTATION HAM-IR 471-0.00 TYPE 3 EMERGENCY REPAIR

CITY OF CINCINNATI
HAMILTON COUNTY

FEDERAL PROJECT NUMBER

E250156

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

TYPE 3 EMERGENCY REPAIRS TO THE DANIEL CARTER BEARD BRIDGE AND APPROACH BRIDGES. WORK THAT IS NOT REQUIRED IN ORDER TO REOPEN I 471 SB TRAFFIC BUT IS REQUIRED TO REPAIR THE STRUCTURE TO CONDITION PRIOR TO THE FIRE. ASSOCIATED WITH PID 122820 (AND DDIR/DSR), WHICH IS THE TYPE 2 EMERGENCY REPAIRS TO THE STRUCTURE, REQUIRED IN ORDER TO REOPEN I 471 SB TO TRAFFIC.

EARTH DISTURBED AREAS

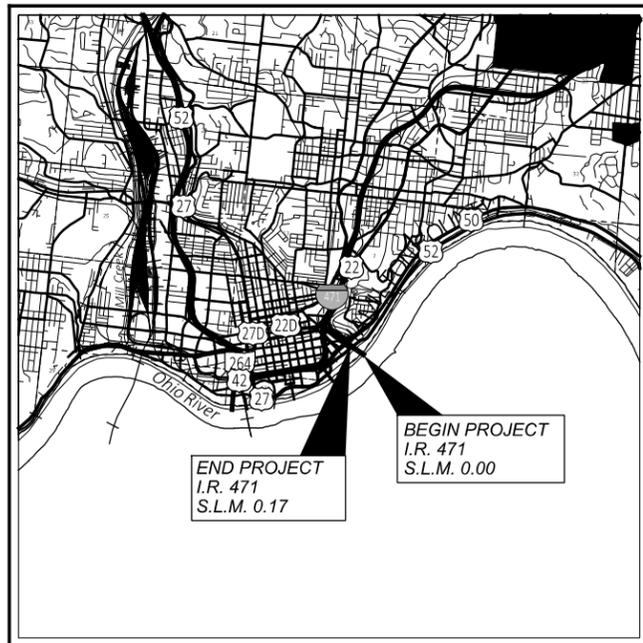
PROJECT EARTH DISTURBED AREA: N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES
EMERGENCY ROUTINE MAINTENANCE

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, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



LOCATION MAP

LATITUDE: 39 °06'10" LONGITUDE: 84 °29'57"



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

DESIGN DESIGNATION

CURRENT ADT (2025)	112000
DESIGN YEAR ADT (2045)	130000
DESIGN HOURLY VOLUME (2045)	17000
DIRECTIONAL DISTRIBUTION	65%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	60 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN INTERSTATE	
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)



INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
F-1.1	7/19/13			800 7/19/24	
HL-50.21	7/15/22			821 4/20/12 832 7/19/24	
MT-95.30	7/19/19			921 7/19/24	
MT-95.50	7/21/17				
MT-99.20	4/19/19				
MT-99.60	7/19/24				
MT-110.10	7/19/13				
TC-15.116	1/19/24				
TC-22.20	1/17/14				
TC-51.11	1/15/16				
TC-65.10	1/17/14				
TC-65.11	1/19/24				

Douglas A. Gruver
Douglas A. Gruver, P.E.
District 08 Deputy Director

Pamela Boratyn
Pamela Boratyn
Director, Department of Transportation

ENGINEER'S SEAL	ENGINEER'S SEAL

2 02/26/25

TITLE SHEET

DESIGN AGENCY	
DESIGNER	CAM
REVIEWER	CSR
PROJECT ID	01/06/25
SHEET	122951
TOTAL	26

HAM-471-00.00 TYPE 3 ER
MODEL: Sheet PAPER: 17x11 (in.) DATE: 2/26/2025 TIME: 9:54:47 AM USER: cmoradiya
\\dzcorp.com\pan-files\Files\Projects\2024\2421604306 HAM-471-00.00 Task e-D\122951\400-Engineering\Roadway\Sheets\122951_ST001.dgn

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

EXISTING PLANS

EXISTING PLANS ENTITLED "_HAM-471-0.08 (08C1243).pdf, _2003 - HAM-471-0.26 (08C1898).pdf" MAY BE INSPECTED IN THE ODOT DISTRICT 8 OFFICE IN LEBANON, OH.

SURVEYING PARAMETERS - OHIO STATE PLANE (NORTH/SOUTH)

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 10 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: N/A

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NGVD29 (BASED ON CONVERTED NAVD88 OBSERVATIONS TO MATCH 1971 "I 471-4 (8) BRIDGE PLANS

GEOID: GEOID18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)
ELLIPSOID: WGS84
COORDINATE SYSTEM: OHIO SOUTH 3402
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COMBINED SCALE FACTOR: 0.99992409584654
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. THE CONSTRUCTION LIMITS ARE SHOWN IN TEMPORARY ACCESS FENCING PLAN, SHEET 5.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

ITEM 607 - FENCE, MISC.: TEMPORARY CHAIN LINK

THIS ITEM SHALL CONSIST OF FIELD ADJUSTING AND SUBSEQUENT REMOVAL AND DELIVERY OF A TEMPORARY CHAIN LINK CONSTRUCTION FENCE AS PER SECTION 607 OF THE ODOT C&MS. EN LIEU OF TEMPORARY SURFACE SUPPORTS, THE TEMPORARY FENCE SHALL BE FIRMLY SUPPORTED TO PROTECT AGAINST WIND SHIFTING OR MOVEMENT FROM THE GENERAL PUBLIC. GENERAL FENCE LIMITS ARE SHOWN IN THE FENCING PLANS, HOWEVER, THE CONTRACTOR WILL HAVE TO ADJUST THE FENCE LIMITS AS NEEDED FOR CONSTRUCTION.

THE TEMPORARY CONSTRUCTION FENCE CURRENTLY EXISTS AS PART OF PART 1 CONSTRUCTION PROJECT. THIS EXISTING FENCE LOCATION MAY HAVE MOVED PRIOR TO CONTRACTOR MOBILIZATION. CONTRACTOR TO COORDINATE WITH ODOT AND PREVIOUS CONTRACTOR REGARDING PLACEMENT OF PROPOSED TEMPORARY CONSTRUCTION FENCE.

UPON COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO DELIVER THE FENCE TO THE OLD ARTIMIS SITE AT 508 W 3RD STREET, CINCINNATI OHIO 45202.

PAYMENT FOR THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 607, FENCE, MISC.: TEMPORARY CHAIN LINK AND SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO FIELD ADJUST, REMOVE, AND DELIVER THE TEMPORARY CONSTRUCTION FENCE.

AN ESTIMATED QUANTITY OF 1,860 LINEAL FEET HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM SPECIAL - EXISTING CONDUIT CLEANED

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

ALL EXISTING AND PROPOSED DRAINAGE ITEMS AS PART OF THIS PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM SPECIAL, EXISTING CONDUIT CLEANED 400 FT.

PAYMENT FOR ALL OF THE WORK MENTIONED ABOVE WILL BE MADE AT THE UNIT PRICE BID FOR ITEM SPECIAL, EXISTING CONDUIT CLEANED. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

DESIGN AGENCY



DESIGNER

CAM

REVIEWER

CSR 01/06/25

PROJECT ID

122951

SHEET TOTAL

2 26

ITEM 614, MAINTAINING TRAFFIC (IR-471)

ALL EXISTING LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT LANE CLOSURES ARE PERMITTED ACCORDING TO THE LANE VALUE CONTRACT TABLE, BY USE OF THE EXISTING PAVEMENT.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS 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.

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) GENERAL/REGULAR ELECTION DAY
THANKSGIVING
MEMORIAL DAY CHRISTMAS (OBSERVED)
FOURTH OF JULY (OBSERVED)

LABOR DAY
3-27 REDS OPENING DAY
6-28 CINCINNATI PRIDE
7-5 ALL AMERICAN BIRTHDAY BASH AND CAR SHOW
8-1, 8-2 ON POINT MUSIC FESTIVAL
8-9 RED BULL FLUG TAG
8-16, 8-17 BLACK FAMILY RE-UNION
8-23 OPERATION THANK YOU
8-31 RIVERFEST
9-6 BUDDY WALK

THE PERIOD OF TIME THAT THE LANES 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 TIME ALL LANES
OR SPECIAL EVENT 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 12:00 AM 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

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

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.

ITEM 614, MAINTAINING TRAFFIC (UNDER IR-471)

EAST PETE ROSE WAY SHALL REMAIN OPEN AT ALL TIMES. THE AREAS OF THE BICENTENNIAL COMMONS PARKING LOT AND PUBLIC RESTROOM BETWEEN PIERS 13 AND 14 SHALL BE TEMPORARILY FENCED OFF AND CLOSED FOR THE REMAINDER OF CONSTRUCTION. PEDESTRIAN AND BICYCLE TRAFFIC ON THE PATHS THAT ARE TEMPORARILY FENCED OFF SHALL BE DETOURED AS PER SCD MT-110.10. THE CONTRACTOR IS NOT PERMITTED TO IMPACT THE WATERFRONT TRAIL THAT GOES UNDERNEATH THE BRIDGE NEAR PIER 10 AND SHALL MAINTAIN PEDESTRIAN AND BICYCLE ACCESS TO THE WATERFRONT TRAIL AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO SAWYER POINT/YEATMAN'S COVE RESTROOMS UNDER THE BRIDGE NEAR PIER 10 AT ALL TIMES.

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 IN ADVANCE OF THE SPANS 10 AND 11 CLOSURES.

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.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE AT: [HTTPS://WWW.TRANSPORTATION.OHIO.GOV/WPS/PORTAL/GOV/ODOT/WORKING/DATA-TOOLS/RESOURCES/PERMITTED-LANE-CLOSURE](https://www.transportation.ohio.gov/wps/portal/gov/odot/working/data-tools/resources/permited-lane-closure)

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 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)).

PERMITTED LANE CLOSURE SCHEDULE (PLCS) (CONT.)

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. [EXISTING MOT EXCEPTIONS THAT HAVE ALREADY BEEN APPROVED IN ACCORDANCE TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY AND STANDARD PROCEDURE ARE DETAILED IN THE APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S) PLAN NOTE.]

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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 OF TRAFFIC RESTRICTIONS TIME TABLE
ITEM DURATION OF NOTICE DUE TO
CLOSURE PERMITS & PIO

RAMP & ROAD CLOSURES >= 2 WEEKS 21 CALENDAR DAYS PRIOR TO CLOSURE

> 12 HOURS 14 CALENDAR DAYS
& < 2 WEEKS PRIOR TO CLOSURE

<= 12 HOURS 4 CALENDAR 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 PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT PER LANE
ALL LANES OF IR-471 OPEN TO TRAFFIC	SEE PLCS	1 MINUTE	\$285
IR-471 COMPLETE CLOSURE PER MT-99.60	5 AM TO 12 MIDNIGHT	1 MINUTE	\$285
RAMP NB IR-471 TO EB US 50	5 AM TO 10 PM	1 MINUTE	\$60
RAMP EB US 50 TO SB IR-471	5 AM TO 10 PM	1 MINUTE	\$240

NOTE:

- 1. THE NB IR-471 RAMP TO US 50 IS PERMITTED TO BE CLOSED 1 TIME.
- 2. LANE CLOSURES ARE NOT PERMITTED 2 HOURS BEFORE OR 2 HOURS AFTER EVENTS AT GREAT AMERICAN BALL PARK, PAYCOR STADIUM, OR HERITAGE BANK CENTER. THIS RESTRICTION ALSO APPLIES TO ANY OTHER LOCAL VENUE GENERATING AN EVENT ATTENDANCE OF 15,000 OR MORE.



TEMPORARY ACCESS FENCING PLAN

DESIGN AGENCY

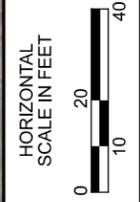


DESIGNER
CAM

REVIEWER
CSR 01/06/25

PROJECT ID
122951

SHEET	TOTAL
5	26



PAVEMENT MARKING LEGEND

- ELW EDGE LINE, WHITE
- ELY EDGE LINE, YELLOW
- CH CHANNELIZING LINE
- LL LANE LINE

TRAFFIC CONTROL PLAN

DESIGN AGENCY



DESIGNER
CAM

REVIEWER
CSR 01/06/25

PROJECT ID
122951

SHEET	TOTAL
9	26

SHEET NOT USED

2

2 02/26/2025

DESIGN AGENCY



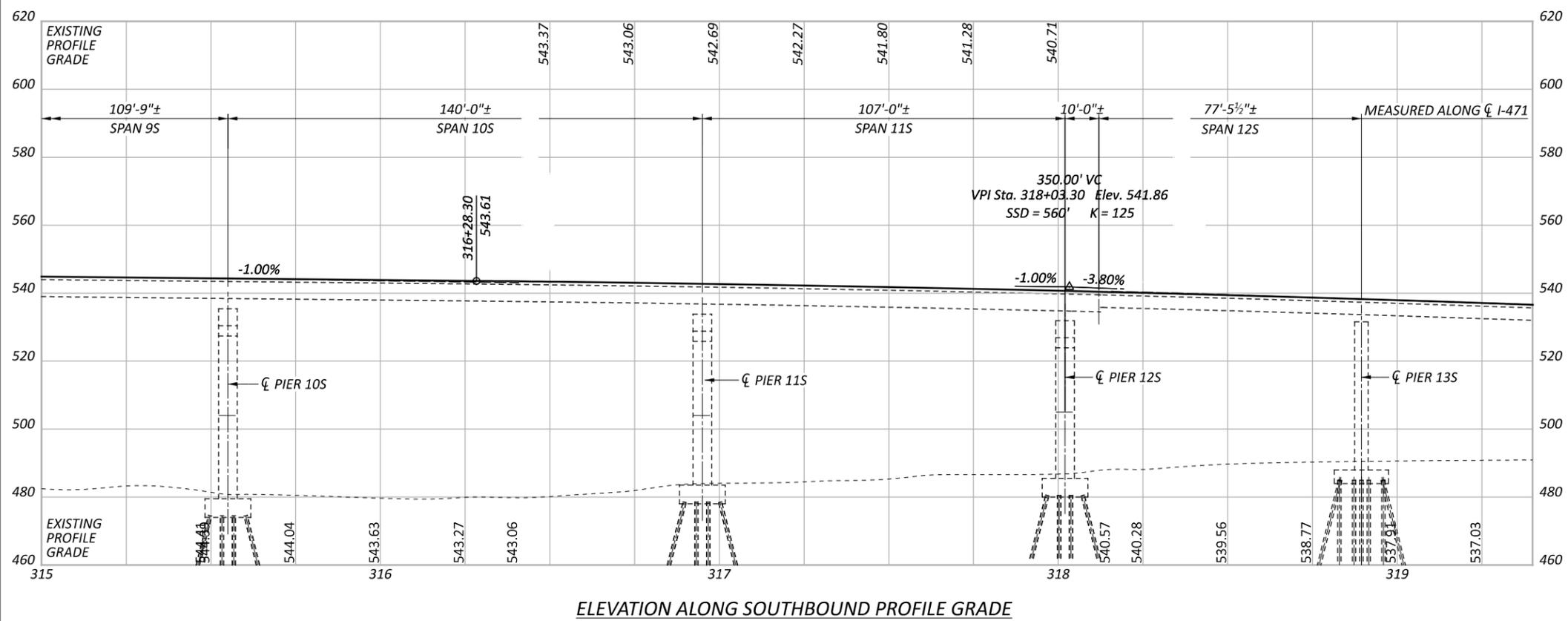
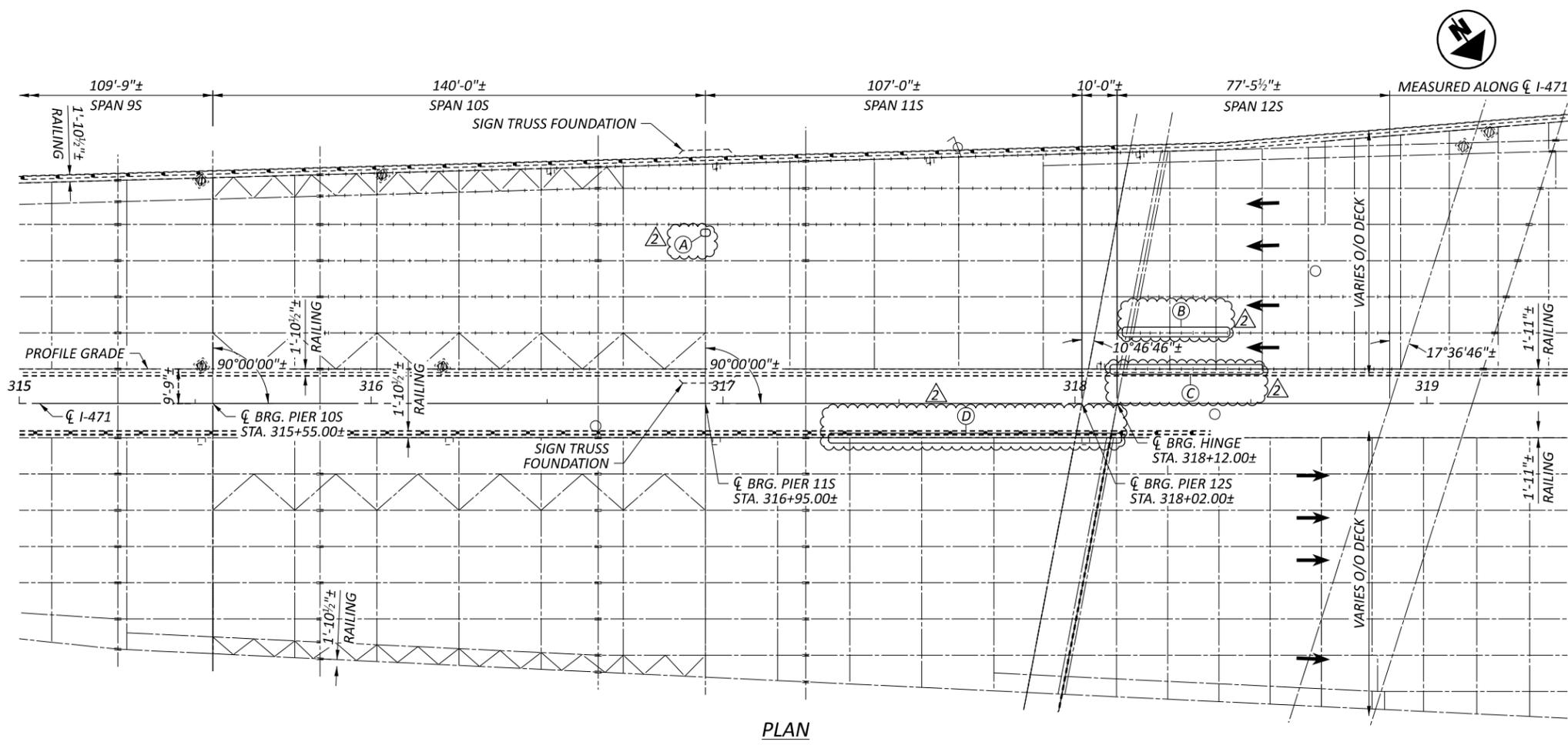
DESIGNER
DJR

REVIEWER
CSR 01/06/25

PROJECT ID
112951

SHEET	TOTAL
10	26

SIGN ELEVATION



BENCHMARK DATA

CP #1	STA. 318+82.00 N:1401757.535	OFF. 291.54' RT. E:1401757.535	EL:494.89	MAG SET
CP #2	STA. 319+98.43 N: 407651.647	OFF. 124.32' LT. E: 1401425.332	EL: 493.59	MAG SET
CP #3	STA. 318+39.73 N: 407666.217	OFF. 3.06' RT. E: 1401628.308	EL: 493.51	TRAV NAILS
CP #4	STA. 316+63.80 N: 407568.950	OFF. 6.41' RT. E: 1401774.944	EL: 492.93	MAG SET
CP #20	STA. 320+49.35 N: 407746.397	OFF. 44.33' LT. E: 1401428.914	EL: 532.66	"X MARK"
CN #21	STA. 318+68.35 N: 407649.058	OFF. 37.57' LT., E: 1401581.661	(EL: 539.23*)	"X MARK"

* ELEVATION WAS SURVEYED WITH TEMP SUPPORT BELOW.

HORIZONTAL DATUM: OHIO STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE, NAD83 (2011)

VERTICAL DATUM: NGVD 29 AS REFERENCED IN THE 1971 "I 471-4 (8) 4" BRIDGE PLANS. SOUTH ZONE, NAD83 (2011)

- ### NOTES
- THIS SITE PLAN DRAWING AND DIMENSIONS ARE TAKEN FROM THE EXISTING 2025 TYPE 2 EMERGENCY REPAIR PLANS AND SHOULD BE CONSIDERED APPROXIMATE UNTIL VERIFIED BY THE CONTRACTOR.
 - FOR A SUMMARY OF PROPOSED REHABILITATION WORK, SEE STRUCTURE GENERAL NOTES, SHEET 3 OF 15.

LEGEND

(A)	4 SF PATCH, UNDERSIDE OF DECK WITH FRP WRAP
(B)	EPOXY INJECT, 15 LF, BETWEEN GIRDER AND DECK
(C)	EPOXY INJECT, 30 LF, BETWEEN GIRDER AND DECK
(D)	EPOXY INJECT, 70 LF, BETWEEN GIRDER AND DECK

EXISTING/PROPOSED STRUCTURE

TYPE: CONTINUOUS WELDED STEEL PLATE GIRDER WITH NONCOMPOSITE CONCRETE DECK AND REINFORCED CONCRETE SUBSTRUCTURE

SPANS: VARIES

ROADWAY: VARIES

LOADING: EXISTING SUPERSTRUCTURE AND SUBSTRUCTURE TO REMAIN: HS-20 CASE II AND ALTERNATE MILITARY LOADING

PROPOSED CONCRETE DECK: HS-20 CASE II AND ALTERNATE MILITARY LOADING

PROPOSED STEEL GIRDERS: HL-93 AND 60 PSF FUTURE WEARING SURFACE

SKEW: VARIES, SEE PLAN

WEARING SURFACE: 1 3/4" ± MSMC (EXISTING DECK ONLY)
 2 3/4" MONOLITHIC WEARING SURFACE (NEW DECK INSTALLED ON TYPE 2 EMERGENCY UNDER PID 122820)

APPROACH SLABS: AS-1-67 (25'-0" LONG)

ALIGNMENT: VARIES

CROWN: VARIES

STRUCTURE FILE NUMBER: LEFT - 3117359
 RIGHT - 3117367

DATE BUILT: 1972

DISPOSITION: EMERGENCY REPAIR 2024/2025

COORDINATES: LATITUDE 39° 06' 05.43" N
 LONGITUDE 84° 29' 47.65" W

SITE PLAN
 BRIDGE NO. HAM-000471-00.290/HAM-000471-00.30
 IR-471 OVER OHIO RIVER & MISC.

DESIGNER	CHECKER
JDA	MJL
REVIEWER	
MDP 01/07/25	
PROJECT ID	
122951	
SUBSET	TOTAL
1	15
SHEET	TOTAL
12	26

02/26/25

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

NONE

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:

800 DATED 07/19/24

DESIGN LOADING INCLUDES:

VEHICULAR LIVE LOAD: HS20-44 CASE II AND THE ALTERNATE MILITARY LOADING.

DESIGN DATA:

REFER TO EXISTING PLANS.

MAINTENANCE OF TRAFFIC:

MAINTENANCE OF TRAFFIC FOR THE STRUCTURE WORK SHALL BE COORDINATED WITH THE OVERALL PROJECT. REFER TO THE MAINTENANCE OF TRAFFIC NOTES AND DETAILS ELSEWHERE IN THE PLANS.

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

EXISTING STRUCTURE PLANS:

PLANS MAY BE EXAMINED BY THE PROSPECTIVE BIDDERS AT THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 8, 505 S. STATE ROUTE 741, LEBANON, OH 45036, PHONE: 513-932-3030. EXISTING PLANS ARE ALSO PROVIDED AS A REFERENCE ON THE OFFICE OF CONTRACTS WEB PAGE FOR DOWNLOAD.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN:

DESCRIPTION: WORK TO BE PAID FOR UNDER THIS ITEM SHALL INCLUDE THE REMOVAL OF EXISTING STRUCTURE COMPONENTS AS DETAILED IN THE PLANS AND AS DIRECTED BY THE ENGINEER. THE REMOVALS SHALL INCLUDE BUT NOT NECESSARILY BE LIMITED TO THE FOLLOWING:

- EXISTING STEEL DOWNSPOUT AND COLLECTOR PIPES AS SHOWN IN THE PLANS, INCLUDING ALL DIRT AND DEBRIS CONTAINED WITHIN.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN (CONT.):

THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES: PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED AND INCORPORATED INTO THE PROPOSED STRUCTURE. THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS, AND/OR HOE RAM TYPE OF EQUIPMENT. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

ITEM 514 – FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, ITEM 514 – FIELD PAINTING OF EXISTING STRUCTURAL STEEL, INTERMEDIATE COAT, AND ITEM 514 – FIELD PAINTING OF EXISTING STRUCTURAL STEEL, FINISH COAT:

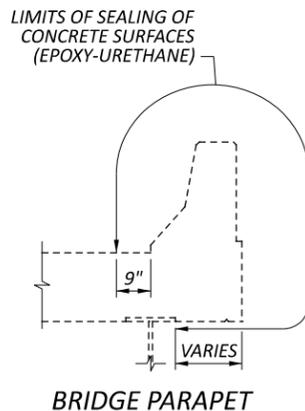
FIELD PAINT ALL STRUCTURAL STEEL MEMBERS IN SPANS 10-12, INCLUDING BEARINGS. CONTRACTOR IS TO MASK SLIDING AREA OF BRONZE PLATES AT HINGE JOINT.

PRIME COAT FAYING SURFACES. COLOR OF FINISH COAT SHALL CLOSELY MATCH THE EXISTING PAINT COLOR OF FED. STD. 595B-13618 BUT WITH MATTE FINISH TO BETTER MATCH THE FINISH OF THE ADJACENT AREAS.

NEW STEEL THAT WAS INSTALLED UNDER THE TYPE 2 EMERGENCY PROJECT PID 122820 RECEIVED A SHOP APPLIED IZEU PRIMER COAT.

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE):

SEAL SPAN 10, 11, AND 12 PARAPETS TO THE LIMITS SHOWN IN THE PLANS.



ITEM SPECIAL - COMPOSITE FIBER WRAP SYSTEM:

COMPOSITE FIBER WRAP SYSTEM SHALL BE PER PROPOSAL NOTE 519.

FIBER WRAP PATCHED AREAS OF DECK AND PIERS ONLY AS SHOWN IN THE PLANS. THE INTENT OF THE FRP THAT IS BEING PLACED OVER THE NEW PATCHES CONSTRUCTED UNDER THE TYPE 2 EMERGENCY CONTRACT, PID 122820, AND THIS PROJECT IS TO HELP CONFINE THE PATCH TO THE PIER AND LIMIT THE CHANCES OF ANY OF THE PATCHES FROM COMING LOOSE AND FALLING ONTO THE PARK BELOW. IT IS ANTICIPATED THAT THE FRP WILL BE A SINGLE LAYER AND EXTEND ONE FOOT PAST THE LIMITS OF THE EXISTING CONCRETE PATCHES AND IS NOT DESIGNED TO ACHIEVE ANY PARTICULAR STRENGTH/STRESS.

ITEM SPECIAL – URETHANE TOP COAT SEALER:

SEAL PIERS 10, 11, AND 12 TO THE LIMITS SHOWN IN THE PLANS EXCEPT FOR THE TOP OF THE PIER CAPS. THE URETHANE TOP COAT SEALER SHALL BE AS PER ITEM 512. THE COLOR OF THE URETHANE TOP COAT SEALER SHALL BE FEDERAL COLOR NUMBER 17778. THE URETHANE TOP COAT SEALER SHALL BE APPLIED OVER THE FIBER WRAP EPOXY COATING PER PROPOSAL NOTE 519.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQUARE YARD FOR ITEM SPECIAL – URETHANE TOP COAT SEALER, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

REPLACE DOWNSPOUTS:

THIS WORK CONSISTS OF REMOVING AND REPLACING THE EXISTING DRAINAGE DOWNSPOUTS FROM THE BOTTOM OF THE SCUPPER BASIN DOWN TO THE GROUND IN KIND. THE INTENT IS TO REPLACE ALL DRAINAGE DOWNSPOUTS IN KIND EXCEPT AT PIER 11S. AT PIER 11S THE BRIDGE SCUPPERS WERE BEING MOVED 5'-0" FURTHER FROM THE PIER. AT PIER 11S THE CONTRACTOR IS REQUIRED TO INSTALL NEW SUPERSTRUCTURE BRACKETS FOR THE RELOCATED DOWNSPOUTS. CONTRACTOR IS TO COORDINATE DRAINAGE REPAIR OPERATIONS TO PREVENT DRAINAGE ONTO TRAFFIC, PARKED VEHICLES, LANDSCAPED AREAS, OR OTHER SIMILAR OCCUPIED AREAS BELOW.

PRIOR TO ORDERING MATERIALS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE/VERIFY QUANTITIES OF REPLACEMENT PIPE, LENGTH OF RUNS, NUMBER AND TYPE OF BENDS, PIPE SUPPORTS, PIPE SIZE AND DIAMETER, ETC. NEEDED IN ORDER TO PROVIDE A COMPLETE INSTALLATION WITH POSITIVE DRAINAGE THAT MATCHES EXISTING CONDITIONS. UP TO 50% OF THE WEB PIPE HANGER BOLTS MAY NEED TO BE REPLACED.

ALL DRAINAGE PIPE, DOWNSPOUT, AND OTHER MISCELLANEOUS ITEMS REQUIRED TO COMPLETELY REPLACE THE DOWNSPOUT SYSTEM SHALL BE FIELD LOCATED AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONTRACTOR SHALL LAYOUT NEW DOWNSPOUTS. PIPE SIZE AND DIAMETER SHALL MATCH THE EXISTING PIPE SIZE AND DIAMETER. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE NEW DOWNSPOUTS FOR THE APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING ANY NEEDED MAINTENANCE OF TRAFFIC, LIFTS, ETC. REQUIRED TO PERFORM FIELD VERIFICATION PRIOR TO ORDERING MATERIALS AND SUBSEQUENT INSTALLATION. COST FOR THESE ITEMS SHALL BE INCLUDED WITH ITEM 518 - PIPE DOWNSPOUT, INCLUDING SPECIALS, AS PER PLAN.

METHOD OF MEASUREMENT: THE DEPARTMENT WILL MEASURE THE REPLACEMENT OF THE DOWNSPOUTS BY THE NUMBER OF LINEAR FEET OF DOWNSPOUT REMOVED, REPLACED, AND ACCEPTED.

PAYMENT WILL BE MADE FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE FOR:

ITEM	EXTENSION	UNIT	DESCRIPTION
518	51201	FT	PIPE DOWNSPOUT, INCLUDING SPECIALS, AS PER PLAN, 6"

SUMMARY OF PROPOSED REHABILITATION WORK:

THE FOLLOWING LIST CONTAINS THE MAJOR ITEMS OF WORK INCLUDED IN THESE PLANS FOR THE REHABILITATION OF THIS STRUCTURE. THE PROPOSED WORK APPLIES TO THE LEFT (SB) AND RIGHT (NB) STRUCTURES, UNLESS OTHERWISE STATED.

1. CLEAN AND PAINT ALL NEW AND EXISTING STEEL MEMBERS IN SPANS 10, 11, AND 12, INCLUDING BEARINGS.
2. REPLACE BRIDGE DRAINAGE COLLECTION SYSTEM AT PIERS 11 AND 12.
3. FIBER WRAP AND SEAL PIER COLUMNS AND CAPS (EXCLUDING TOPS OF CAPS) AT PIERS 10, 11, AND 12 TO THE LIMITS SHOWN IN THE PLANS.
4. SEAL BRIDGE PARAPETS TO THE LIMITS SHOWN IN THE PLANS.
5. EPOXY INJECT BETWEEN GIRDER FLANGES AND DECK TO THE LIMITS SHOWN IN THE PLANS. 
6. PATCH AND FIBER WRAP UNDERSIDE OF SOUTHBOUND DECK, AT THE AREA SHOWN IN THE PLANS.

PLAN ABBREVIATIONS:

- | | |
|------------|--|
| @ | = AT |
| BRG. | = BEARING |
| CL, CL | = CENTERLINE |
| CALC. | = CALCULATED |
| CHKD. | = CHECKED |
| C&MS | = CONSTRUCTION AND MATERIAL SPECIFICATIONS |
| EQ. | = EQUAL |
| EX./EXIST. | = EXISTING |
| MISC. | = MISCELLANEOUS |
| SPA. | = SPACED |
| STA. | = STATION |
| TYP. | = TYPICAL |

STRUCTURE GENERAL NOTES - 2
 BRIDGE NO. HAM-000471-00.290/HAM-000471-00.30
 IR-471 OVER OHIO RIVER & MISC.

SFN 3117359 LT
 3117367 RT

DESIGN AGENCY



DESIGNER	CHECKER
JDA	MJL

REVIEWER
 MDP 01/07/25

PROJECT ID
 122951

SUBSET	TOTAL
3	15

SHEET	TOTAL
14	26

FUNDING		ESTIMATED QUANTITIES										REAR ABUTMENT	FORWARD ABUTMENT	PIERS	SUPER-STRUCTURE	GENERAL	REF. SHEET NUMBER
01/IMS/14	ITEM	ITEM EXTENSION	LEFT BRIDGE	RIGHT BRIDGE	TOTAL	UNIT	DESCRIPTION										
LS	202	11203			LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN								LS	2	
3,370	512	10100	1,689	1,681	3,370	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					1,927	1,443			2	
△	115	512	10600	45	70	115	FT	CONCRETE REPAIR BY EPOXY INJECTION								115	
	345	SPECIAL	51271500	178	167	345	SY	URETHANE TOP COAT SEALER				345				2	
	71,000	514	00050	30,100	40,900	71,000	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					71,000			2	
	71,000	514	00056	30,100	40,900	71,000	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					71,000			2	
	80,200	514	00060	39,300	40,900	80,200	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					80,200			2	
	80,200	514	00066	39,300	40,900	80,200	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					80,200			2	
	86	514	00504	37	49	86	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					86				
	24	514	10000	12	12	24	EACH	FINAL INSPECTION REPAIR					24				
	1,125	518	51201	560	565	1,125	FT	PIPE DOWNSPOUT, INCLUDING SPECIALS, AS PER PLAN, 6"					1,125			2	
△	4	519	11100	4	4	4	SF	PATCHING CONCRETE STRUCTURE								4	
	3,116	SPECIAL	51900100	1,616	1,500	3,116	SF	COMPOSITE FIBER WRAP SYSTEM				3,100				16	

ESTIMATED QUANTITIES
 BRIDGE NO. HAM-000471-00.290/HAM-000471-00.30
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DESIGNER: JDA
 CHECKER: MJL

REVIEWER: MDP 01/07/25

PROJECT ID: 122951

SUBSET TOTAL: 4 | 15

SHEET TOTAL: 15 | 26