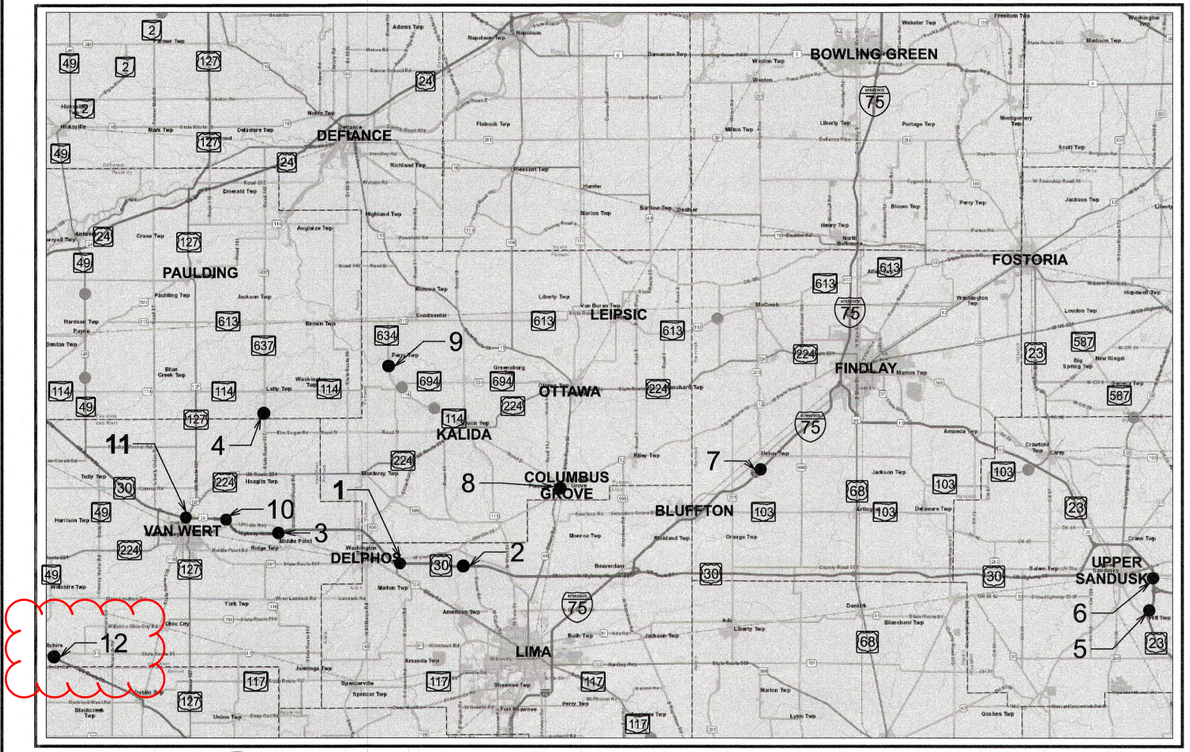
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
D01-BM-FY22
ALLEN, HANCOCK, PAULDING, PUTNAM, VAN WERT AND WYANDOT COUNTIES



PROJECT LOCATIONS

LOCATION MAP
LATITUDE: 40°46'18.00"
LONGITUDE: 84°05'34.00"

INDEX OF SHEETS:

PROJECT LOCATIONS:

1	ALL-30-2.42 L&R	OVER AUGLIZE RIVER
2	ALL-30-7.03 L&R	OVER OTTAWA RIVER
3	VAN-30-19.96 R	US 30 OVER CR 173
4	PAU-637-0.22	OVER MADDOX CREEK
5	WYA-23-7.67 L&R	OVER SANDUSKY RIVER
6	WYA-23-10.17 L&R	OVER CF&E/CSX RR
7	HAN-75-6.33	CR 12 OVER IR 75
8	PUT-12-3.70	OVER PLUM CREEK
9	PUT-634-10.27	OVER AUGLAIZE RIVER
10	VAN-30-15.81	TR 127/GILLILAND RD. OVER US 30
11	VAN-30-12.76 RT	OVER TOWN CREEK & CPE RR
12	VAN-33-1.64	OVER CLOUSE DITCH

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

PERFORM MISCELLANEOUS BRIDGE MAINTENANCE ACTIVITIES (APPROACH SLAB REPLACEMENTS, JOINT REPLACEMENTS, PATCHING & ETC.) ON VARIOUS BRIDGES IN DISTRICT 1.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.5 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.2 ACRES
*NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)**
**ROUTINE MAINTENANCE PROJECT*

2019 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.

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.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

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:
OHIO DEPT. OF TRANSPORTATION, DISTRICT 1
1885 N. MCCULLOUGH ST.
LIMA, OHIO 45801

ENGINEER'S SEAL:

STATE OF OHIO — Eric J. Schackaihoff — E-63356 — REGISTERED PROFESSIONAL ENGINEER

SIGNED: Eric J Schackaihoff
DATE: 4/7/2022

STANDARD CONSTRUCTION DRAWINGS

MT-95.30	7/19/19	BP-2.1	1/21/22	DM-4.2	7/20/12				800-2019	1/21/22	ASBESTOS SURVEY
MT-95.40	1/17/20	BP-2.3	7/18/14						821	4/20/12	D01-BM-FY 22
MT-95.45	1/17/20	BP-2.4	7/19/13	AS-1-15	7/17/15				832	10/19/18	PID 102814
MT-95.50	7/21/17	BP-9.1	1/18/19	AS-2-15	1/18/19				843	10/18/19	DATED: 7/13/21
				EXJ-4-87	1/19/18				846	4/17/15	
MT-96.11	4/16/21	DM-4.3	1/15/16	PCB-91	7/17/20				856	1/21/22	
MT-96.20	7/15/16	DM-4.4	1/15/16	DS-1-92	7/18/03				921	4/20/12	
MT-96.26	1/18/19								961	4/17/20	
MT-97.10	4/19/19	MT-101.90	7/17/20								
		MT-105.10	1/17/20								
MT-98.10	1/17/20	TC-41.20	10/18/13								
MT-98.11	1/17/20	TC-42.20	10/18/13								
MT-98.20	4/19/19	TC-52.10	10/18/13								
MT-98.22	1/17/20	TC-52.20	1/15/21								
MT-98.28	1/17/20	TC-64.10	7/16/21								

APPROVED Christopher A Hughes
DATE 04/07/2022 *DISTRICT DEPUTY DIRECTOR*

APPROVED _____
DATE _____ *DIRECTOR, DEPARTMENT OF TRANSPORTATION*

TITLE SHEET

DESIGN AGENCY — STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DESIGNER: EJS
REVIEWER: MJM
PROJECT ID: 102814
SHEET P.1 TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/8/2022 TIME: 3:09:59 PM USER: mselker
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\Roadway\Sheets\102814_GT001.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 FOR THE VARIOUS LOCATIONS MAY BE INSPECTED IN THE ODOT DISTRICT ONE OFFICE IN LIMA, OHIO.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION ADJACENT TO THE APPROACH SLABS BEING REPLACED AND PLACING ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 mm, TYPE A or B, (448). IN ADDITION, THIS ITEM SHALL BE USED TO PROVIDE A SMOOTH TRANSITION INTO THE NEW APPROACH SLABS AS DIRECTED BY THE ENGINEER. FOR PLACEMENT OF ITEM 442, A PG64-22 BINDER IS REQUIRED, AND IT SHALL BE PLACED IN TWO ONE AND HALF INCH LIFT THICKNESS. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF THE ABUTTING APPROACH SLAB REPLACEMENT WORK, AND THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF THE APPROACH SLABS. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF SURFACE PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (442), 2,8000 SQ. YD.

EROSION CONTROL

THE QUANTITY BELOW HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR EROSION CONTROL.

ITEM 832 EROSION CONTROL 2,000 EACH

ITEM 642 - EDGE LINE, 6", TYPE 1 & ITEM 642 - LANE LINE, 6", TYE 1

THE QUANTITIES BELOW HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR PLACEMENT OF LANE AND EDGE LINES ON THE RECONSTRUCTED APPROACH SLABS AT VARIOUS BRIDGES.

ITEM 642, EDGE LINE, 6", TYPE 1 0.14 MILE
ITEM 642, LANE LINE, 6", TYPE 1 0.94 MILE

ITEM 253 - PAVEMENT REPAIR

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH ADJACENT TO THE APPROACH SLABS BEING REPLACED AT VARIOUS BRIDGES AND PLACING 12" 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. THE FULL DEPTH PAVEMENT REPAIRS SHALL HAVE A SURFACE COURSE APPLIED PER THE NOTE AND REQUIREMENTS FOR ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (442). PAYMENT FOR THE SURFACE COURSE SHALL BE INCLUDED WITH ITEM 251. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF THE ABUTTING APPROACH SLAB REPLACEMENT WORK, AND THIS ITEM SHALL COMMENCE WITHIN 7 DAYS OF THE COMPLETION OF THE APPROACH SLABS.

IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED.

PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF SURFACE PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 253, PAVEMENT REPAIR, 1,300 SQ. YD.

CONTACT INFORMATION

THE CONTRACTOR SHALL NOT PERFORM CONTRACT WORK IN ANY COUNTY UNTIL AFTER CONTACTING THE COUNTY MANAGER AND PROJECT ENGINEER. BELOW IS A CONTACT LIST FOR COUNTY MANAGERS

ALLEN

Contact	Title	Office #	Cell #
Jason Hoschak	Trans. Administrator	(419) 999-6711	(419) 438-4615
Andrew Wita	Trans. Manager	(419) 999-6712	(419) 234-5377
Brian Rader	Trans. Manager	(419) 999-6717	(567) 204-3683

HANCOCK

Contact	Title	Office #	Cell #
Deidra Noel	Trans. Administrator	(419) 999-6731	(419) 772-4420
James Heacock	Trans. Manager	(419) 999-6738	(419) 306-1428
Matthew Clay	Trans. Manager	(419) 999-6732	(419) 306-5199

PAULDING

Contact	Title	Office #	Cell #
Ross Laukhuf	Trans. Administrator	(419) 999-6751	(419) 769-0132
Sam Gonzales	Trans. Manager	(419) 999-6754	(419) 796-9526
Alexandra Brown	Trans. Manager	(419) 999-6752	(419) 203-3520

PUTNAM

Contact	Title	Office #	Cell #
Paul Lehman	Trans. Administrator	(419) 999-6761	(419) 615-3449
Larry Schroeder	Trans. Manager	(419) 999-6762	(419) 957-4999
Kenneth Williamson	Trans. Manager	(419) 999-6768	(419) 796-0127

VAN WERT

Contact	Title	Office #	Cell #
Ron Leffel	Trans. Administrator	(419) 999-6771	(419) 302-7617
Patrick McConn	Trans. Manager	(419) 999-6772	(419) 605-8508
Bryan Hoersten	Trans. Manager	(419) 999-6778	

WYANDOT

Contact	Title	Office #	Cell #
Kevin Kliesch	Trans. Administrator	(419) 999-6781	(419) 348-5224
Geena Snow	Trans. Manager	(419) 999-6782	(419) 294-7654
April Noel	Trans. Manager	(419) 999-6788	(419) 619-2745

ENVIRONMENTAL COMMITMENTS

1. ASBESTOS SURVEYS OF THE STRUCTURES SCHEDULED FOR RENOVATION, WERE CONDUCTED BY A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST. THE SURVEYS DID NOT DETECT REGULATED ASBESTOS-CONTAINING MATERIALS ON THE STRUCTURES. THE ASBESTOS SURVEY REPORT IS FOUND IN THE SPECIAL PROVISIONS ATTACHED TO THE PLANS.

2. THIS PROJECT WAS DEVELOPED TO BE CONSTRUCTED WITHOUT EQUIPMENT OR MATERIALS PLACED (PERMANENTLY OR TEMPORARILY) BELOW THE ORDINARY HIGHWATER MARK OF PLUM CREEK LOCATED AT THE PUT-SR 12-3.70 STRUCTURE.

ITEM 202, WEARING COURSE REMOVED, AS PER PLAN

THE CONTRACTOR SHALL REMOVE THE EXISTING ASPHALTIC CONCRETE COURSE TO THE ORIGINAL CONCRETE DECK (TOP OF CONCRETE CULVERT) AND ANY WATERPROOFING MATERIAL THAT WAS PART OF THE DECK (TOP OF CONCRETE CULVERT). REMOVAL SHALL COMPLY WITH REQUIREMENTS OF CMS 202 AND SUPPLEMENTAL SPECIFICATION 856.

PAYMENT FOR THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER SQUARE YARD FOR ITEM 202, WEARING COURSE REMOVED, AS PER PLAN, WHICH SHALL INCLUDE MATERIAL, EQUIPMENT, LABOR, AND INCIDENTALS TO COMPLETE THE WORK.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

THE CONTRACTOR SHALL FOLOW ALL REQUIREMENTS OF SECTIONS XXIV AND XXXIV OF THE OHIO DEPARTMENT OF TRANSPORTATION SAFETY AND HEALTH STANDARD OPERATING PROCEDURE 220-006(SP) EFFECTIVE: NOVEMBER 1, 2018 (EXCEPT AS AMENDED BELOW) AND ALL SUBSEQUENT UPDATES POSTED AT THE FOLLOWING WEBSITE:

HTTP://WWW.DOT.STATE.OH.US/POLICY/POLICIESANDSOPS/POLICIES/220-006(SP).PDF

XXIV. HEAD PROTECTION (HARD HATS)
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR APPROPRIATE HEAD PROTECTION. ALL HARD HATS MUST MEET OR EXCEED ANSI Z89.1-2009 TYPE 1, CLASS E-G REQUIREMENTS.

XXXIV. SAFETY APPAREL AND VEST (HIGH VISIBILITY)
ALL PERSONS WITHIN THE RIGHT-OF-WAY OF ANY HIGHWAY OR ANY OTHER TYPE OF ROADWAY OR CONSTRUCTION SITE WHO ARE EXPOSED TO EITHER TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA, REGARDLESS OF JOB TYPE, SHALL WEAR A HIGH-VISIBILITY SAFETY VEST THAT MEETS THE PERFORMANCE CLASS II OR CLASS III REQUIREMENTS OF THE ANSI/ISEA 107-2015 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARD FOR HIGH-VISIBILITY SAFETY APPAREL AND ACCESSORIES."

WORKERS MAY WEAR AN ANSI CLASS II OR ANSI CLASS III APPROVED RAIN SUIT, JACKET OR OTHER APPAREL WITHOUT A SAFETY VEST OVER IT.

WORKERS MUST WEAR THE REQUIRED PPE AS DESCRIBED IN THE LATEST EDITION OF THE CSXT PUBLIC PROJECTS MANUAL, AT ALL TIMES WHILE WORKING WITHIN THE CSXT RIGHT OF WAY.

WINDOW CONTRACT TABLE

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE $ PER DAY	WORK WINDOW	
			START	END
ALL WORK ON VAN-33-0165	45	$1500 PER DAY PER C&MS 108.07	CONTRACT EXECUTION DATE	9/1/2022

GENERAL NOTES

DESIGN AGENCY

DESIGNER EJS

REVIEWER XXX MM-DD-YY

PROJECT ID 102814

SHEET P.2 TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/8/2022 TIME: 9:38:59 AM USER: mslefker
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\Roadway\Sheets\102814_GN001.dgn

ITEM 614, MAINTAINING TRAFFIC (AT ALL TIMES)

A MINIMUM OF ONE TEN FEET WIDE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 502 STRUCTURE FOR MAINTAINING TRAFFIC, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

EQUIPMENT CANNOT BE STORED UNPROTECTED IN THE MEDIAN OR SHOULDER AREA AS PER 614.035. IT MUST BE MOVED TO A PROTECTED AREA, WHENEVER NOT IN USE.

FOR WORK AT THE BRIDGES, MINIMUM OF ONE FEET LATERAL CLEARANCE IS REQUIRED FROM EDGE OF LANE TO BARRIERS AND CHANNELIZING DEVICES.

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.

ADVISORY SPEED (W13-1P) PLAQUES SHALL BE USED FOR LANE CLOSURES ON THE 4-LANE SECTIONS OF US 23 AND US 30. THE ADVISORY SPEED PLAQUES SHALL NOTE AN ADVISORY SPEED 10 MILES LESS THAN THE LEGAL SPEED, AND THEY SHALL BE PLACED AS PER THE APPLICABLE (MT) STANDARD CONSTRUCTION DRAWING.

ACCESS TO ADJACENT PROPERTY WITHIN THE WORK LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES, AS PER 614.02(a).

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.

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 MARKING SIGNS = 10 EACH

ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE 1 = 4.34 MILES

ITEM 614 - WORK ZONE LANE LINE, CLASS I, 6", 740.06, TYPE 1 = 1.77 MILES

ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 6", 740.06, TYPE 1 = 9,346 FT

ITEM 614 - WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, UNIDIRECTIONAL = 12 EACH

ITEM 622 - PORTABLE BARRIER, UNANCHORED = 5,400 FEET
ITEM 622 - PORTABLE BARRIER, ANCHORED = 100 FEET

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

DELINEATION OF PORTABLE AND PERMANENT BARRIER (CONTINUED)

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1 (ONE-WAY) = 126 EACH

ITEM 614, OBJECT MARKER, ONE-WAY = 126 EACH

ITEM 614, INCREASED BARRIER DELINEATION 2200 FEET

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

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.

NOTIFICATION OF TRAFFIC RESTRICTIONS (CONTINUED)

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 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 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.

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS UNIDIRECTIONAL

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

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

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

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

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

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

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

MOT NOTES

DESIGN AGENCY

DESIGNER EJS

REVIEWER XXX MM-DD-YY

PROJECT ID 102814

SHEET P.3 TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/21/2022 TIME: 1:17:54 PM USER: rmooney
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\MOT\Sheets\102814_MN001.dgn

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN

FOR THE APPROACH SLAB REPLACEMENT WORK, SOME EXISTING SHOULDERS WILL BE USED DURING VARIOUS PHASES TO MAINTAIN TRAFFIC. THE CONTRACTOR SHALL REPAIR THE SHOULDERS AS DIRECTED BY THE PROJECT ENGINEER VIA MILL AND OVERLAY PRIOR TO SHIFTING TRAFFIC ONTO THE AFFECTED SHOULDERS NEEDED FOR LANE SHIFTS REQUIRED TO MAINTAIN TRAFFIC AS SPECIFIED IN THE PLANS AND STANDARD CONSTRUCTION DRAWINGS. THE REPAIR BUILDUP AND TOTAL AREA OF USE FOR MAINTAINING TRAFFIC ARE PROVIDED BELOW.

ONCE TRAFFIC IS RETURNED TO NORMAL LANE ASSIGNMENTS, THE CONTRACTOR SHALL INSTALL RUMBLE STRIPS ALONG THE REPAIRED SHOULDERS OF U.S.R. 30 AS PER C&MS SECTION 618 AND STANDARD CONSTRUCTION DRAWING BP-9.1.

ALL STANDARD SPECIFICATIONS OF ITEM 615 SHALL OTHERWISE APPLY ALONG WITH RELATED SPECIFICATIONS FOR THE VARIOUS PAY/WORK ITEMS. ALL COSTS FOR THE REPAIR INCLUDING ALL RELATED WORK, EQUIPMENT, SAWCUTTING, MOT, TACK COAT, PAVEMENT PLANING (MILLING), RUMBLE STRIPS, ETC. SHALL BE INCLUDED WITH THE PRICE BID FOR 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN.

REPAIR TYPE 1 - 1 1/2 INCH MILL & OVERLAY (US 30):

OVERLAY WITH ITEM 441, A.C. SURFACE COURSE, TYPE I,
PG 64-22 – 1 1/2" THICK

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC,
CLASS B, AS PER PLAN

TOTAL SQUARE YARDS = 2,000

ESTIMATED QUANTITY IS BASED ON REPAIRING THE PAVED SHOULDERS FOR 200 FT. EACH DIRECTION FROM LEFT AND RIGHT BRIDGES. THE ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE PROJECT ENGINEER.

CONFLICTING PAVEMENT MARKINGS

PRIOR TO PLACEMENT OF ANY WORK ZONE PAVEMENT MARKINGS, THE CONTRACTOR SHALL COMPLETELY REMOVE, AS PER C&MS 614.11G, ALL EXISTING PAVEMENT MARKINGS THAT WOULD CREATE CONFUSION OR CONFLICT WITH THE WORK ZONE PAVEMENT MARKINGS. PAYMENT FOR THIS COMPLETE REMOVAL SHALL BE INCLUDED IN ITEM 614 MAINTAINING TRAFFIC.

COORDINATION OF CONTRACTORS

SINCE THE MAINTENANCE OF TRAFFIC AND WORK ON THIS PROJECT MAY OVERLAP OTHER PROJECTS, SUCH AS ALL-30-113, PID 88830; PROJECT 210625, IT IS ESSENTIAL THAT EACH CONTRACTOR CONDUCT THEIR WORK AND COOPERATE WITH EACH OTHER IN SUCH A MANNER AS NOT TO HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING, PERFOREMED BY THE OTHER CONTRACTOR.

MOT NOTES

DESIGN AGENCY

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
102814

SHEET P.5 | TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/8/2022 TIME: 9:40:58 AM USER: mseifker
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\MOT\Sheets\102814_MN003.dgn

SHEET NUM. 2	SHEET NUM. 3	SHEET NUM. 4	SHEET NUM. 5	SHEET NUM. 9	PART. 01/NFP/BR	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
										ROADWAY	
				LS	LS	201	11000	LS		CLEARING AND GRUBBING	
				20	20	202	23501	20	SY	WEARING COURSE REMOVED, AS PER PLAN	2
										EROSION CONTROL	
				80	80	601	32210	80	CY	ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER	
2,000					2,000	832	30000	2,000	EACH	EROSION CONTROL	
										PAVEMENT	
2,800					2,800	251	01020	2,800	SY	PARTIAL DEPTH PAVEMENT REPAIR (442)	
1,300					1,300	253	01000	1,300	SY	PAVEMENT REPAIR	
				3	3	407	10000	3	GAL	TACK COAT	
										TRAFFIC CONTROL	
		18,800			18,800	618	40101	18,800	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	4
0.14					0.14	642	00104	0.14	MILE	EDGE LINE, 6", TYPE 1	
0.94					0.94	642	00204	0.94	MILE	LANE LINE, 6", TYPE 1	
										STRUCTURE REPAIR (ALL-30-0242 L, SFN: 0200069)	
				134	134	202	22900	134	SY	APPROACH SLAB REMOVED	
				348	348	509	10000	348	LB	EPOXY COATED REINFORCING STEEL	
				34	34	510	10000	34	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
				25	25	519	11101	25	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
				133	133	526	25001	133	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8
										STRUCTURE REPAIR (ALL-30-0242 R, SFN: 0200093)	
				134	134	202	22900	134	SY	APPROACH SLAB REMOVED	
				348	348	509	10000	348	LB	EPOXY COATED REINFORCING STEEL	
				34	34	510	10000	34	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
				25	25	519	11101	25	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
				134	134	526	25001	134	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8
										STRUCTURE REPAIR (ALL-30-0703 L, SFN: 0200182)	
				134	134	202	22900	134	SY	APPROACH SLAB REMOVED	
				348	348	509	10000	348	LB	EPOXY COATED REINFORCING STEEL	
				34	34	510	10000	34	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
				25	25	519	11101	25	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
				134	134	526	25001	134	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8
										STRUCTURE REPAIR (ALL-30-0703 R, SFN: 0200212)	
				134	134	202	22900	134	SY	APPROACH SLAB REMOVED	
				348	348	509	10000	348	LB	EPOXY COATED REINFORCING STEEL	
				34	34	510	10000	34	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
				25	25	519	11101	25	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
				134	134	526	25001	134	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8
										STRUCTURE REPAIR (HAN-75-0633, SFN: 3202496)	
				17	17	512	10100	17	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
				100	100	519	11101	100	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
				50	50	843	50000	50	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
										STRUCTURE REPAIR (PAU-637-0022 R, SFN: 6301770)	
				4	4	202	98500	4	CY	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8
				14	14	512	10100	14	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
				8	8	516	45305	8	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	8A
				LS	LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8A
				60	60	519	11101	60	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
				60	60	843	50000	60	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
				36	36	846	00110	36	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
										STRUCTURE REPAIR (PUT-634-1027, SFN: 6901956)	
				85.15	85.15	516	01301	85.15	FT	ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS, AS PER PLAN	8

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER EJS

REVIEWER XXX MM-DD-YY

PROJECT ID 102814

SHEET P.6 TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/21/2022 TIME: 4:29:36 PM USER: eschecke
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\Roadway\Sheets\102814_GG001.dgn

SHEET NUM.									PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
2		3		4		5		9	01/NFP/BR						
														STRUCTURE REPAIR (VAN-30-1276 R, SFN: 8100578)	
								4	4	202	11301	4	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	8
								67	67	202	22900	67	SY	APPROACH SLAB REMOVED	
								533	533	509	10000	533	LB	EPOXY COATED REINFORCING STEEL	
								17	17	510	10000	17	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
								4	4	511	34410	4	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE	
								12	12	512	10300	12	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	8A
								LS	LS	513	10001	LS		STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	8A
								30.17	30.17	516	11210	30.17	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	
								10	10	519	11101	10	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
								67	67	526	25001	67	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8
														STRUCTURE REPAIR (VAN-30-1581, SFN: 8103860)	
								23	23	512	10100	23	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								4	4	516	46700	4	EACH	RESET BEARING	
								LS	LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8A
								100	100	519	11101	100	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
								100	100	843	50000	100	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
														STRUCTURE REPAIR (VAN-30-1996 R, SFN: 8104204)	
								200	200	202	22900	200	SY	APPROACH SLAB REMOVED	
								25	25	519	11101	25	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8
								200	200	526	25001	200	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8
														STRUCTURE REPAIR (VAN-33-0165, SFN: 8100942)	
								8	8	202	11301	8	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	8
								209	209	509	10000	209	LB	EPOXY COATED REINFORCING STEEL	
								8	8	511	34410	8	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE	
								11	11	512	10100	11	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								8	8	512	10300	8	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
								45	45	SPECIAL	51822300	45	FT	STEEL DRIP STRIP	9
								7	7	856	10000	7	CY	BRIDGE DECK WATERPROOFING ASPHALT CONCRETE	
														STRUCTURE REPAIR (WYA-23-0767 L, SFN: 8800332)	
								3	3	202	98500	3	CY	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8
								23	23	846	00110	23	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
														STRUCTURE REPAIR (WYA-23-0767 R, SFN: 8800367)	
								3	3	202	98500	3	CY	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8
								23	23	846	00110	23	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
														STRUCTURE REPAIR (WYA-23-1017 L, SFN: 8800421)	
								4	4	202	98500	4	CY	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8
								28	28	846	00110	28	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
														STRUCTURE REPAIR (WYA-23-1017 R, SFN: 8800456)	
								4	4	202	98500	4	CY	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8
								28	28	846	00110	28	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
														MAINTENANCE OF TRAFFIC	
				320					320	614	11110	320	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			2,200						2,200	614	11630	2,200	FT	INCREASED BARRIER DELINEATION	
			12						12	614	12380	12	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
			5						5	614	12500	5	EACH	REPLACEMENT SIGN	
			5						5	614	12600	5	EACH	REPLACEMENT DRUM	
			126						126	614	13310	126	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
			126						126	614	13350	126	EACH	OBJECT MARKER, ONE WAY	
				16					16	614	18601	16	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	4
			1.77						1.77	614	20210	1.77	MILE	WORK ZONE LANE LINE, CLASS I, 6", 740.06, TYPE I	
			4.34						4.34	614	22210	4.34	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I	
			9,346						9,346	614	24402	9,346	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 740.06, TYPE I	
							2,000		2,000	615	25001	2,000	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN	5
			5,400						5,400	622	41100	5,400	FT	PORTABLE BARRIER, UNANCHORED	
			100						100	622	41110	100	FT	PORTABLE BARRIER, ANCHORED	
														INCIDENTALS	
									LS	614	11000	LS		MAINTAINING TRAFFIC	
									LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER EJS

REVIEWER XXX MM-DD-YY

PROJECT ID 102814

SHEET P.7 TOTAL 13

D01-BM-FY22

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15 DATED (REVISED) 7/17/15
AS-2-15 DATED (REVISED) 1/18/19
EXJ-4-87 DATED (REVISED) 1/19/18
PCB-91 DATED (REVISED) 7/17/20
DS-1-92 DATED (REVISED) 7/18/03

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

800-2019 DATED 1/21/22
843 DATED 10/18/19
846 DATED 4/17/15
856 DATED 1/21/22

DESIGN DATA

CONCRETE CLASS QC2:
COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

REINFORCING STEEL MINIMUM YIELD STRENGTH 60 KSI

DESIGN SPECIFICATIONS

THE STRUCTURES' WORK CONFORMS TO THE 2ND EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2014 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

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 CONTRACTBID 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.

COPIES OF THE EXISTING PLANS ARE ON FILE AT THE DISTRICT ONE OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION.

ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR

A QUANTITY IS INCLUDED IN THE ESTIMATED QUANTITIES TO REPAIR ANY DETERIORATED AREAS ON THE PIERS AND BACKWALLS WITH ITEM 843 - PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR, WHERE THE DEPTH OF A PATCH IS EQUAL TO OR LESS THAN 3 INCHES, AS LOCATED BY AND TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQ FT FOR ITEM 843 - PATCHING CONCRETE STRUCTURE WITH TROWELABLE MORTAR WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 512 - SEALING OF CONCRETE SURFACE (EPOXY-URETHANE)

THE CONTRACTOR SHALL SEAL ALL LOCATIONS THAT HAVE BEEN PATCHED AND HAVE QUANTITIES INCLUDED IN THE STRUCTURES SUBSUMMARIES FOR THE AREAS ON BRIDGES NOTED BELOW.

STRUCTURE	PATCHING & SEALING LOCATIONS
HAN-75-0633	PIER 1 (REAR) AND PIER 3 (FORWARD)
PAU-637-0022	REAR & FORWARD ABUTMENT BACKWALLS
VAN-30-1581	PIER 1, 2 AND 3 (RR, MEDIAN & FWD.)
VAN-33-0165	WINGWALL AND CULVERT SIDES

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQ YD FOR ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN

THE APPROACH SLAB CONCRETE FOR THIS ITEM SHALL BE A MS MIX DESIGN THAT WILL PRODUCE 4 KSI BEFORE ALLOWING THE OPENING OF THE LANE TO TRAFFIC. TEST THE CONCRETE USING EITHER BEAMS THAT PRODUCE 0.6 KSI OR CYLINDERS THAT SHOW 4 KSI.

PRIOR TO PLACEMENT OF THE CONCRETE, THE APPROACH SLAB SEAT AND BASE SHALL BE LEVEL AND FREE OF ANY DEBRIS. ANY NEEDED EXCAVATED MATERIAL SHALL BE PER CMS SECTION 203 AND ANY NEEDED ADDITIONAL BASE MATERAIL SHALL BE PROVIDED PER CMS SECTION 304.

THE LONGITUDINAL JOINT AT THE CENTERLINE OF PAVEMENT/ APPROACH SLABS SHALL BE SPLICED UTILIZING MECHANICAL CONNECTORS TO SPLICE INTO ALL THE TRANSVERSE REINFORCING STEEL.

IN ADDITION TO THE REQUIREMENTS OF ITEM 526 AND STANDARD CONSTRUCTION DRAWING AS-1-15, THIS ITEM SHALL ALSO INCLUDE THE APPLICATION OF JOINT SEALER BETWEEN THE INSTALLED APPROACH SLABS AND THE EXISTING ABUTMENTS & DECKS. THE JOINT SEALER SHALL BE APPLIED PER CMS SECTIONS 516.04 & 516.06. THIS MATERIAL REPLACES THE PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL SHOWN IN DETAIL B OF STANDARD CONSTRUCTION DRAWING AS-1-15. SEE DETAIL B ON STANDARD CONSTUCION DRAWING AS-1-15 FOR FURTHER DETAILS.

PAYMENT FOR THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER SY FOR ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T-15"), AS PER PLAN, WHICH SHALL INCLUDE ALL MATERIAL, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE: HIGH-PRESSURE WATER BLASTING WITH, OR WITHOUT, ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT OR VACUUM ABRASIVE BLASTING.

WORK ON STRUCTURES OVER WATERWAYS

UNLESS COVERED BY THE WATERWAY PERMITS, WORK IS NOT PERMITTED IN THE WATERWAYS. HOWEVER, WORK IS PERMITTED AT THE ABUTMENTS AND AT THE TOPS OF THE BANKS OF THE WATERWAYS. ADDITIONALLY, NO WORK, MATERIALS, EQUIPMENT AND/OR INCIDENTALS ARE PERMITTED WITHIN OR BELOW THE ORDINARY HIGH WATER MARK (OHWM).

IF NEEDED, THE OHWM CAN BE STAKED BY ODOT, DISTRICT 1, PLANNING AND ENGINEERING DEPARTMENT PRIOR TO INITIATING WORK AT THE STRUCTURES OVER WATERWAYS. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AND REQUEST THE OHWM STAKING 14 DAYS PRIOR TO STARTING WORK. THE PROJECT ENGINEER WILL NOTIFY THE DISTRICT ENVIRONMENTAL COORDINATOR AND DISTRICT SURVEY OPERATIONS MANAGER TO REQUEST THE STAKING OF THE OHWM BY ODOT, DISTRICT 1, PLANNING AND ENGINEERING DEPARTMENT.

ALL SPALLING CONCRETE REMOVAL OF MID SPAN, UNDERSIDE DECK SECTIONS SHALL BE DONE IN A MANNOR TO ENSURE THAT NO MATERIALS OR EQUIPMENT ENTER THE WATERWAY.

ITEM 516 - ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSION, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 516 AND STANDARD CONSTRUCTION DRAWING EXJ-4-87, THIS ITEM SHALL ALSO INCLUDE ALL MATERIAL, EQUIPMENT, AND LABOR REQUIRED TO REMOVE THE EXISTING STRIP SEAL AND CLEAN THE EXISTING STEEL RETAINER FOR INSTALLATION OF THE REPLACEMENT STRIP SEAL.

PAYMENT FOR THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER FT FOR ITEM 516 - ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSION, AS PER PLAN, WHICH SHALL INCLUDE ALL MATERIAL, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

ITEM 202 - REMOVAL, MISC.: POLYMER MODIFIED ASPHALT JOINT SYSTEM REMOVAL

IN ADDITION TO THE REQUIREMENTS OF ITEM 202 AND SUPPLEMENTAL SPECIFICATION 846, THIS ITEM SHALL ALSO INCLUDE ALL MATERIAL, EQUIPMENT, AND LABOR REQUIRED TO REMOVE AND DISPOSE OF THE EXISTING POLYMER MODIFIED ASPHALT JOINT SYSTEM (INCLUDING BRIDGE PLATES, ALIGNMENT NAILS & ETC.) FOR INSTALLATION OF THE REPLACEMENT POLYMER MODIFIED ASPHALT JOINT SYSTEM.

PAYMENT FOR THE WORK ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD FOR ITEM 202 - REMOVAL, MISC.: POLYMER MODIFIED ASPHALT JOINT SYSTEM REMOVAL INCLUDE ALL MATERIAL, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE REMOVAL WORK.

WORK TO BE PERFORMED

COUNTY	ROUTE	SLM	FEATURE INTERSECTED	SFN	ADDITIONAL DESCRIPTION OF WORK AND/OR ADDITIONAL WORK
REPLACE APPROACH SLABS					
ALL	US 30	0242L	AUGLAIZE RIVER	0200069	
ALL	US 30	0242R	AUGLAIZE RIVER	0200093	
ALL	US 30	0703L	OTTAWA RIVER	0200182	
ALL	US 30	0703R	OTTAWA RIVER	0200212	
VAN	US 30	12.76R	OVER TOWN CREEK & CFE RR	8100578	REPLACE SLIDING PLATE EXPANSION JOINT W/ STRIP SEAL EXPANSION JOINT (EXJ-4-87)
VAN	US 30	19.96R	OVER CR 173	8104204	
POLYMER JOINT REPLACEMENT					
PAU	SR 637	0022R	MADDOX CREEK	6301770	PATCHING ABUTMENT BACKWALLS AND REFURBISHING ABUTMENT BEARINGS
WYA	US 23	0767L	SANDUSKY RIVER	8800332	
WYA	US 23	0767R	SANDUSKY RIVER	8800367	
WYA	US 23	1017L	CF&E/CSX RR	8800421	
WYA	US 23	1017R	CF&E/CSX RR	8800456	
PATCHING/MISC.					
HAN	IR 75	0633	CR 12 OVER IR 75	3202496	PATCH PIER COLUMNS AND CAPS
PUT	SR 12	0370	PLUM CREEK #	6900100	REPLACE ROCK CHANNEL PROTECTION ABOVE ORDINARY HIGH WATER MARK
PUT	SR 634	1027	AUGLAIZE RIVER	6901956	REPLACE STRIP SEAL GLAND
VAN	US 30	1581	TR 127 OVER US 30	8103860	RESET BEARINGS AND PATCH PIER COLUMNS AND CAPS
VAN	US 33	165	CLOUSE DITCH	8100942	REPAIR DECK EDGE BOTH SIDES, PATCHING WINGWALL AND FILLED PIPE PROTRUSIONS ON CULVERT SIDES

STRUCTURE GENERAL NOTES (VARIOUS BRIDGES)

DESIGN AGENCY

DESIGNER EJS
REVIEWER XXX MM-DD-YY
PROJECT ID 102814

SUBSET SHEET 1 OF 7

SHEET P.8 TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/12/2022 TIME: 2:20:48 PM USER: mstefker
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D0110228141400-Engineering\Roadway\Sheets\102814_SN001.dgn

ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN

THE CONTRACTOR SHALL SEAL THE CONSTRUCTION JOINTS IN CONCRETE BRIDGE DECKS AND ABUTMENT BACKWALLS FROM PHASE/PART WIDTH CONSTRUCTION FOR MAINTAINING TRAFFIC.

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 BRIDIGE 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.

ITEM 516 - REFURBISHING BEARING DEVICES, AS PER PLAN

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN BRIDGE BEARINGS, AS WELL AS THEIR CLEARNING AND PAINTING. INCLUDED SHALL BE THE DISASSEMBLY OF THE BEARINGS, HAND TOOL CLEANING (GRINDING IF NECESSARY), PAINTING ACCORDING TO ITEM 514, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (C&MS 711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARINGS TO PROVIDE A SNUG FIT, REALIGNMENT O FTHE UPPER BEARING PLATE BY REMOVING EXISTING WELDS AND REWELDING SO THAT THE BEARINGS ARE VERTICALLY ALIGNED AT 60 DEGREES FARENHEIT, LUBRICATING SLIDING SURFACES, AND REASSEMBLY OF THE BEARINGS. ASSURE ALL BEARINGS ARE SHIMMED ADEQUATELY AND THAT NO BEAMS AND/OR BEARING DEVICES ARE "FLOATING". AT NO ADDITIONAL COST TO THE STATE, THE CONTRACTOR MAY INSTALL NEW BEARINGS OF THE SAME TYPE AS THE EXISTING IN PLACE OF REFURBISHING THE BEARINGS. ALL WORK SHALL BE TO THE SATIFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 516 - REFURBISH BEARING DEVICES, AS PER PLAN.

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN

ALL REQUIREMENTS OF C&MS 513 APPLY TO SHOP FABRICATED MEMBERS. PERFORM WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED HEREIN. THE DEPARTMENT WILL NOT REQUIRE THE CONTRACTOR PERFORMING FIELD FABRICATION TO BE PREQUALIFIED AS SPECIFIED IN S1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE IN ACCORDANCE WITH C&MS 501.06, TO THE ENGINEER. PROVIDE THE ENGINEER "AS-BUILT" DRAWINGS ACCORDING C&MS 513.06, EXCEPT C&MS 501.04 DOES NOT APPLY. UPON RECEIPT OF THE ENGINEER'S ACCEPTANCE, SUPPLY A COPY OF THE DRAWINGS, ACCORDING TO S1002 TO THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM:
FOR FIELD ADJUSTING END CROSS FRAMES BRIDGE NO. VAN-30-1276R

STRUCTURE GENERAL NOTES (VARIOUS BRIDGES)

SFN
VARIOUS

DESIGN AGENCY

DESIGNER	CHECKER
EJS	XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
102814

SUBSET	TOTAL
2	7

SHEET	TOTAL
P.8A	13

STRUCTURE REPAIR (SFN 6301770) (PAU - 637 - 0.22 R OVER MADDOX CREEK)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	98500	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8	CY	4
512	10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		SY	14
516	45305	REFURBISH BEARING DEVICE, AS PER PLAN	8A	EACH	8
516	47001	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8A		LS
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	60
843	50000	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTOR		SF	60
846	00110	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		CF	36

STRUCTURE REPAIR (SFN 8800332) (WYA - 023 - 7.67 L OVER SANDUSKY RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	98500	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8	CY	3
846	00110	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		CF	23

STRUCTURE REPAIR (SFN 8800367) (WYA - 023 - 7.67 R OVER SANDUSKY RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	98500	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8	CY	3
846	00110	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		CF	23

STRUCTURE REPAIR (SFN 8800421) (WYA - 023 - 10.17 L OVER CF&E/CSX RR)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	98500	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8	CY	4
846	00110	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		CF	28

STRUCTURE REPAIR (SFN 8800456) (WYA - 023 - 10.17 R OVER CF&E/CSX RR)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	98500	REMOVAL MISC.: POLYMER MODIFIED ASPHALT EXPANSON JOINT SYSTEM REMOVED	8	CY	4
846	00110	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		CF	28

STRUCTURE REPAIR (SFN 3202496) (HAN - 75 - 6.33 UNDER CR 12)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
512	10100	SEALING OF CONCRETE STRUCTURE (EXPOXY-EURETHANE)		SY	17
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	100
843	50000	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR		SF	50

EROSION CONTROL REPAIR ITEM (SFN 6900100) (PUT - 12 - 3.7 OVER PLUM CREEK)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
601	32210	ROCK CHANNEL PROTECTION, TYPE C WITH AGGREGATE FILTER		CY	60
201	11000	CLEARING AND GRUBBING			LS **

STRUCTURE REPAIR (SFN 6901956) (PUT - 634 - 10.27 OVER AUGLAIZE RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
516	01301	ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS, AS PER PLAN	8	FT	85.15

STRUCTURE REPAIR (SFN 8103860) (VAN - 30 - 15.81 OVER TR 127)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
512	10100	SEALING OF CONCRETE STRUCTURE (EXPOXY-EURETHANE)		SY	23
516	46700	RESET BEARING		EACH	4
516	47001	JACK AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8A		LS
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	100
843	50000	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR		SF	100

*NOTE: TOTALS ARE CARRIED TO GENERAL SUMMARY

**NOTE: TOTALS ARE CARRIED TO GENERAL SUMMARY - ROADWAY SECTION

STRUCTURE REPAIR (SFN 0200069) (ALL - 30 - 2.42 L OVER AUGLAIZE RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	22900	APPROACH SLAB REMOVED		SY	134
509	10000	EPOXY COATED REINFORCING STEEL		LB	348
510	10000	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		EACH	34
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	25
526	25001	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8	SY	134

STRUCTURE REPAIR (SFN 0200093) (ALL - 30 - 2.42 R OVER AUGLAIZE RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	22900	APPROACH SLAB REMOVED		SY	134
509	10000	EPOXY COATED REINFORCING STEEL		LB	348
510	10000	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		EACH	34
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	25
526	25001	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8	SY	134

STRUCTURE REPAIR (SFN 0200182) (ALL - 30 - 7.03 L OVER OTTAWA RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	22900	APPROACH SLAB REMOVED		SY	134
509	10000	EPOXY COATED REINFORCING STEEL		LB	348
510	10000	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		EACH	34
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	25
526	25001	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8	SY	134

STRUCTURE REPAIR (SFN 0200212) (ALL - 30 - 7.03 R OVER OTTAWA RIVER)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	22900	APPROACH SLAB REMOVED		SY	134
509	10000	EPOXY COATED REINFORCING STEEL		LB	348
510	10000	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		EACH	34
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	25
526	25001	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8	SY	134

STRUCTURE REPAIR (SFN 8100578) (VAN - 30 - 12.76 R OVER TOWN CREEK & CFE RR)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	11301	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	8	CY	4
202	22900	APPROACH SLAB REMOVED		SY	67
509	10000	EPOXY COATED REINFORCING STEEL		LB	533
510	10000	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		EACH	17
511	34410	CLASS QC2 CONCRETE, SUPERSTRUCTURE		CY	4
512	10300	SEALING BRIDGE DECKS WITH HMWM RESIN	8A	SY	12
513	10001	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PERSON	8A		LS
516	11210	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL		FT	30.17
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	10
526	25001	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8	SY	67

STRUCTURE REPAIR (SFN 8104204) (VAN - 30 - 19.96 R OVER CR 173)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	22900	APPROACH SLAB REMOVED		SY	200
519	11101	PATCHING CONCRETE STRUCTURE, AS PER PLAN	8	SF	25
526	25001	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	8	SY	200

STRUCTURE REPAIR (SFN 8100942) (VAN - 33 - 1.65 OVER CLOUSE DITCH)

ITEM	EXT.	DESCRIPTION	See Sht.	UNIT	TOTAL*
202	11301	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	8	CY	8
202	23501	WEARING COURSE REMOVED, AS PER PLAN	2	SY	20 **
407	10000	TACK COAT		GAL	3 **
509	10000	EPOXY COATED REINFORCING STEEL		LB	209
511	34410	CLASS QC2 CONCRETE, SUPERSTRUCTURE		CY	8
512	10100	SEALING OF CONCRETE SURFACES (EPOXY - URETHANE)		SY	11
512	10300	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		SY	8
SPECIAL	51823300	STEEL DRIP STRIP (SEE STANDARD CONSTRUCTION DRAWING DS-1-92)	8, 13A	FT	45
856	10000	BRIDGE DECK WATERPROOFING ASPHALT CONCTRETE		CY	7

SUB-SUMMARY (BRIDGE ESTIMATED QUANTITES VARIOUS BRIDGES)

DESIGN AGENCY

DESIGNER EJS

REVIEWER XXX MM-DD-YY

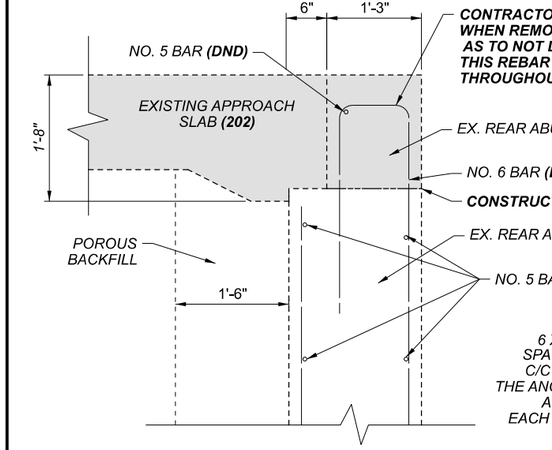
PROJECT ID 102814

SUBSET SHEET 3 OF 7

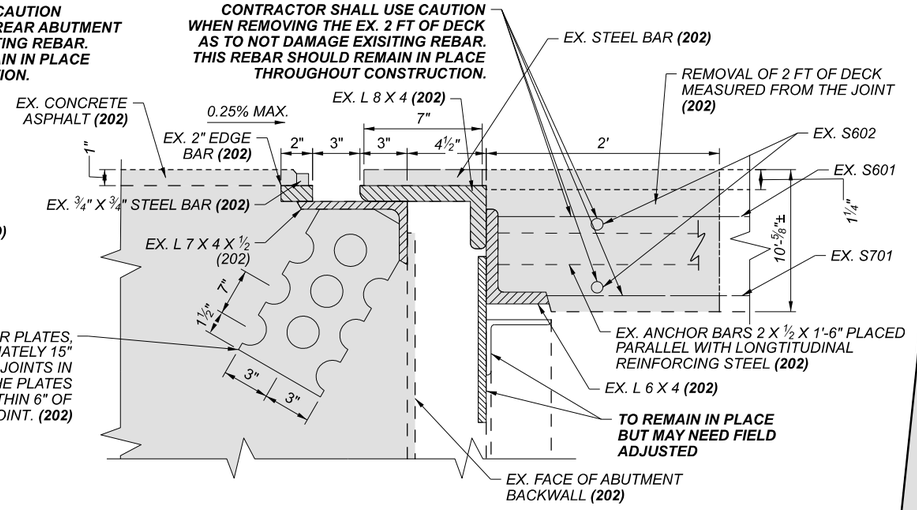
SHEET P.9 TOTAL 13

D01-BM-FY22

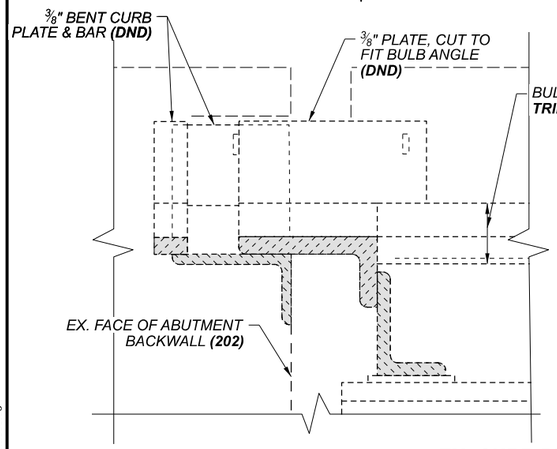
MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/21/2022 TIME: 4:34:42 PM USER: eschecke
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\Roadway\Sheets\102814_GS001.dgn

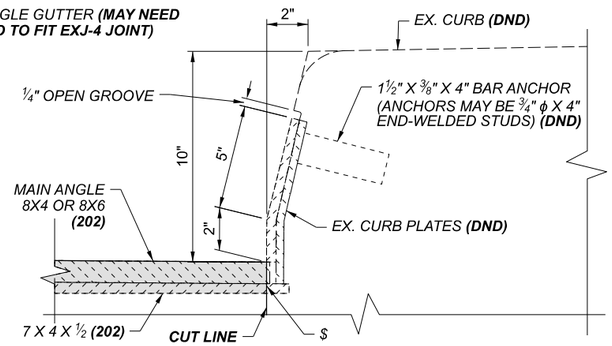


CONTRACTOR SHALL USE CAUTION WHEN REMOVING THE EX. REAR ABUTMENT AS TO NOT DAMAGE EXISITING REBAR. THIS REBAR SHOULD REMAIN IN PLACE THROUGHOUT CONSTRUCTION.



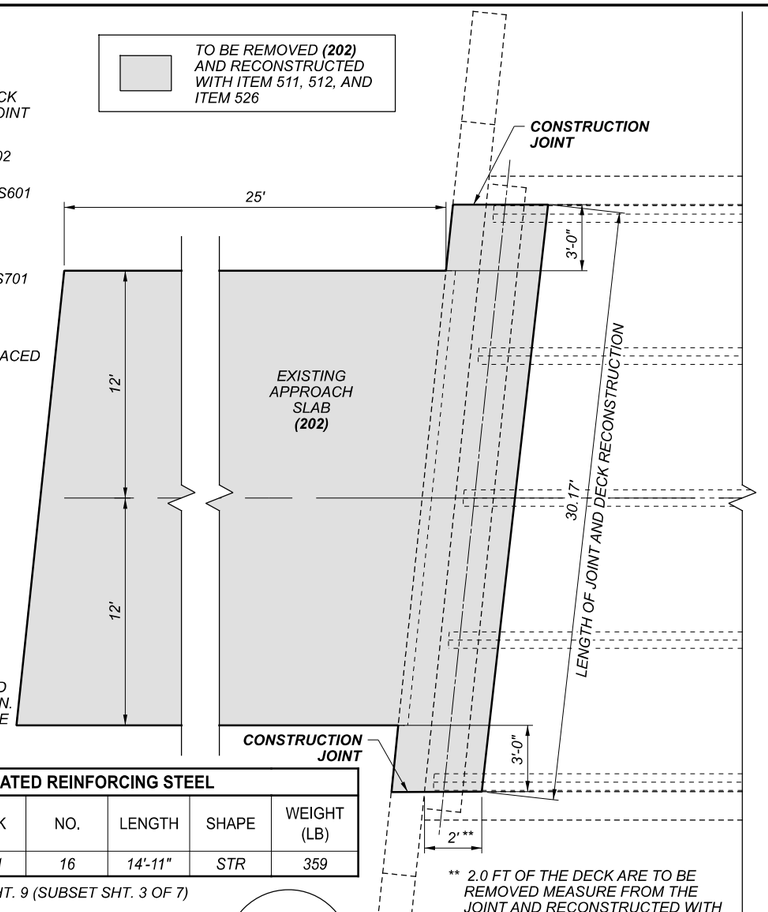
CONTRACTOR SHALL USE CAUTION WHEN REMOVING THE EX. 2 FT OF DECK AS TO NOT DAMAGE EXISITING REBAR. THIS REBAR SHOULD REMAIN IN PLACE THROUGHOUT CONSTRUCTION.





EX. CURB PLATE DETAILS

$ AT TOE OF CURB (TYP) FIELD WELD TOP OF MC 12X45 AND TOP OF L 7X4 TO EXISTING CURB PLATE WITH ¼" WELDS.



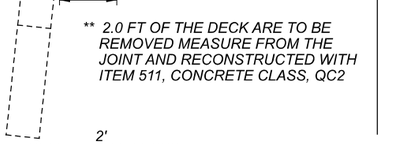
NOTE: THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR "MARK" COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED INDICATES THE BAR SIZE NUMBER, FOR EXAMPLE, S601 IS A NO. 6 BAR.

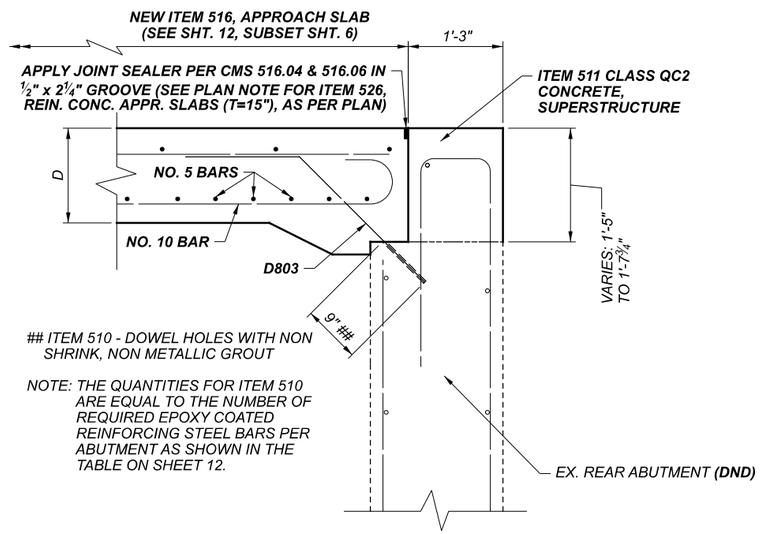
ITEM 509 EPOXY COATED REINFORCING STEEL

BRIDGE NO.	LOCATION	MARK	NO.	LENGTH	SHAPE	WEIGHT (LB)
VAN-30-1276R	DECK	S601	16	14'-11"	STR	359

* QUANTITIES SHALL BE CARRIED TO SHT. 9 (SUBSET SHT. 3 OF 7)

** 2.0 FT OF THE DECK ARE TO BE REMOVED MEASURE FROM THE JOINT AND RECONSTRUCTED WITH ITEM 511, CONCRETE CLASS, QC2





ITEM 510 - DOWEL HOLES WITH NON SHRINK, NON METALLIC GROUT

NOTE: THE QUANTITIES FOR ITEM 510 ARE EQUAL TO THE NUMBER OF REQUIRED EPOXY COATED REINFORCING STEEL BARS PER ABUTMENT AS SHOWN IN THE TABLE ON SHEET 12.

\# NOTES:

1. REFER TO STD. DWG. EXJ-4-87 FOR ADDITIONAL EXPANSION JOINT DETAILS.
2. MINIMUM JOINT OPENING AT TIME OF SEAL GLAND INSTALLATION SHALL NOT BE LESS THAN 1½". IF THE JOINT OPENING IS LESS, INSTALLATION SHALL BE POSTPONED UNTIL THE TEMPATURE DROPS A SUFFICIENT AMOUNT TO ALLOW THE MINIMUM 1½" OPENING.

STRIP SEAL EXPANSION JOINT

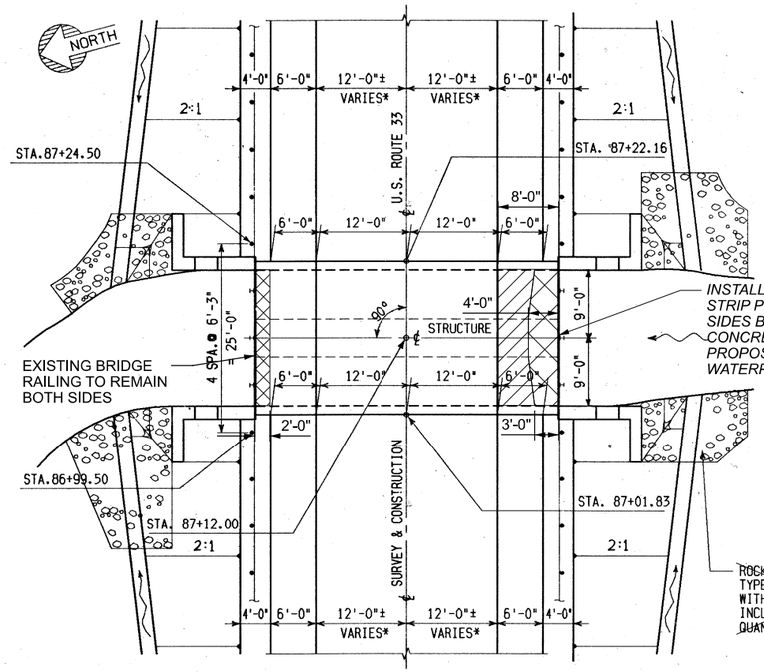
JOINT SETTING TABLE	
# JOINT OPENING DIMENSION 'A'	
SEAL GLAND SIZE	3"
TEMPERATURE (°F)	FWD. ABUT.
90°	1 5/16"
80°	1 7/16"
70°	1 17/32"
60°	1 5/8"
50°	1 11/16"
40°	1 25/32"
30°	1 7/8"

MISC. BRIDGE REPAIR DETAILS
VAN-30-1276R
STRIP SEAL EXPANSION JOINTS

SFN 8100578
DESIGN AGENCY
DESIGNER EJS | CHECKER XXX
REVIEWER XXX MM-DD-YY
PROJECT ID 102814
SUBSET 7 | TOTAL 7
SHEET P.13 | TOTAL 13

D01-BM-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/15/2022 TIME: 3:24:33 PM USER: rmooney
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 01_D01\102814\400-Engineering\Roadway\Sheets\102814_SM003.dgn



VAN - 33 - 1.65
SITE PLAN

LIMITS OF PORTIONS OF STRUCTURE REMOVED AND REPLACE WITH ITEM 511, CLASS QC2 CONCRETE

LEGEND:

EXISTING ASPHALT PAVEMENT TO BE REMOVED, (ITEM 202, WEARING COURSE REMOVED) TO BE REPLACED BY ITEM 856, BRIDGE DECK WATERPROOFING ASPHALT CONCRETE.

APPROXIMATE AREA OF ITEM 202, PORTIONS OF STRUCTURE REMOVED AS PER PLAN, TO BE REPLACED BY ITEM 511, CLASS QC2 CONCRETE, EXISTING REINFORCEMENT TO REMAIN. APPLY ITEM 856, BRIDGE DECK WATERPROOFING ASPHALT CONCRETE TO MATCH EXISTING PAVEMENT BUILDUP. (SEE NOTE 1)

NOTES:

1. CROSSHATCHED AREAS OF ITEM 202, PORTIONS OF STRUCTURE REMOVED ARE APPROXIMATE AND SHALL BE DESIGNATED USING A SOUNDNESS TEST AND APPROVED BY THE ENGINEER. EXISTING REINFORCING STEEL TO REMAIN.

2. CONTRACTOR TO REPLACE LONGITUDINAL REINFORCEMENT WITH #7 BARS AT THE DIRECTION OF THE ENGINEER. CONTRACTOR IS TO REPLACE TRANSVERSE REINFORCEMENT WITH #5 BARS AT THE DIRECTION OF THE ENGINEER.

3. L = 5'-8"*

4. CONCRETE PATCHING REQUIRED ON FORWARD AND REAR ABUTMENTS FOR SPALLING PIPE INSERT HOLES, QUANTITY INCLUDED IN THE GENERAL SUMMARY.

5. ASPHALT CONCRETE SHALL BE ITEM 856, BRIDGE DECK WATERPROOFING ASPHALT CONCRETE APPLIED IN 2" MAXIMUM LIFTS TO MATCH THE EXISTING 4±" OF ASPHALT CONCRETE.

6. ITEM 512, SEALING OF CONCRETE SURFACE (EPOXY-URETHANE) SEAL BOTH VERTICLE SIDES OF BRIDGE DECK CONCRETE PATCH AS WELL AS 6 INCHES ON UNDERSIDE OF DECK EDGE. SEAL AREAS OF CONCRETE PATCHING ON WINGWALL AND CULVERT SIDES.

ESTIMATED REBAR QUANTITIES L				
BAR SIZE	LENGTH	SHAPE	QUANTITY	TOTAL WEIGHT
	FT			LB
#7	11' - 6"	STR	8	188
#5	2'	STR	10	21
TOTAL				209 *

** TOTALS CARRIED TO GENERAL SUMMARY*

ESTIMATED REINFORCING STEEL QUANTITIES SHALL BE USED TO REPLACE EXISTING REINFORCEMENT AT THE DISCRETION OF THE ENGINEER.

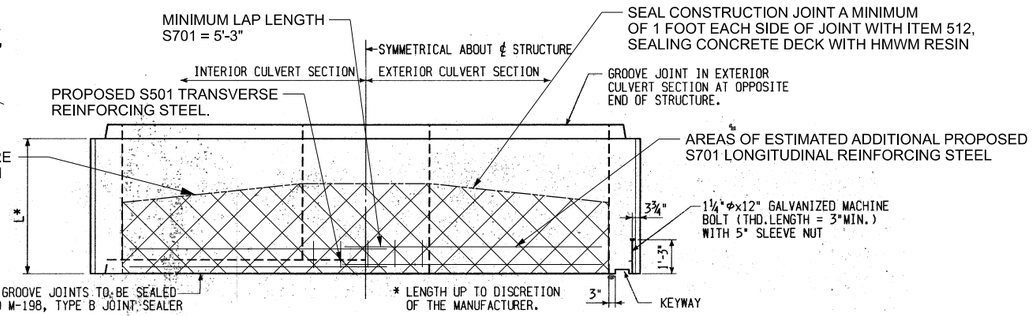
THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR "MARK" COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED TO INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, S601 IS A NO. 6 BAR.

PROPOSED WORK:
1) REMOVE WEARING COURSE FROM DETERIORATED AREAS ALONG EDGES OF BRIDGE NO. VAN-33-0165 (3 SIDED CULVERT).
2) REMOVE DETERIORATED CONCRETE.
3) REPLACE REMOVED CONCRETE WITH CLASS QC 2 CONCRETE
4) SEAL CONSTRUCTION JOINT
5) REPLACE REMOVED WEARING COURSE WITH WATERPROOFING ASPHALT CONCRETE.
6)PATCH CULVERT WALLS AND WINGWALLS.
7)SEAL FACES OF FULL DEPTH CONCRETE REPAIR ON CULVERT AND PATCHED AREAS ON CULVET WALLS AND WINGWALLS.

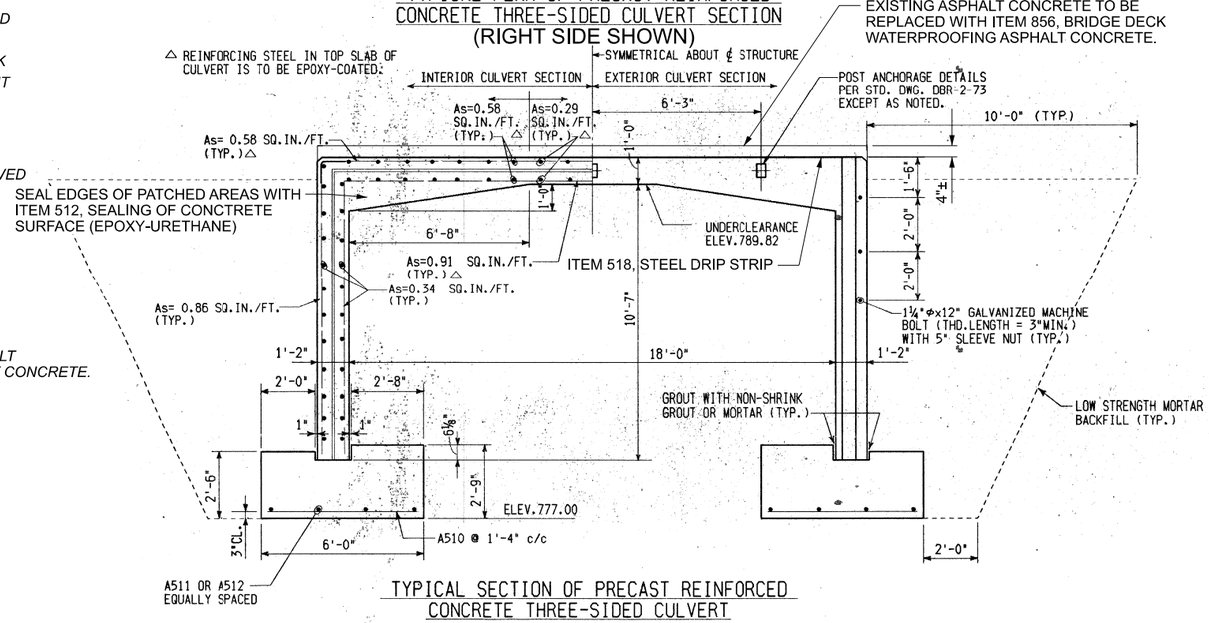
- *Location: Scheidt Rd. over Clouse Ditch*
- *Type: 15" CMP*
- *1 ST Downstream Structure: None*

EXISTING STRUCTURE DATA
Type: Precast Reinforced Concrete Three-sided Culvert
Span: 20.33' Span along ℄ Surv.
Roadway: 40'-0" f/f Guardrail
Loading: HS20-44 and the Alternate Military Loading
Skew: 0°
Alignment: Tangent
Approach Slabs: None
Wearing Surface: 1"min. Asphalt Conc.
Crown: 3/16" per Ft.

Drainage Area: 1.0 Sq. Mile
Net Waterway Opening Below Elev. 785.5 = 59.4 Sq. Ft.
Total Waterway Opening = 148.5 Sq. Ft.
10 Year: Q_{10} = 143 CFS; V_{10} = 2.6 FPS
25 Year (Design Year): Q_{25} = 176 CFS; V_{25} = 3.0 FPS
100 Year: Q_{100} = 226 CFS; V_{100} = 3.6 FPS



TYPICAL PLAN OF PRECAST REINFORCED CONCRETE THREE-SIDED CULVERT SECTION (RIGHT SIDE SHOWN)



TYPICAL SECTION OF PRECAST REINFORCED CONCRETE THREE-SIDED CULVERT

SITE PLAN
BRIDGE NO. VAN-33-1.65

DESIGN AGENCY

DESIGNER MJS
REVIEWER XXX MM-DD-YY
PROJECT ID 102814
SUBSET 7A TOTAL 7
SHEET 13A TOTAL 13

D01-BM-FY22