ITEM 614, MAINTAINING TRAFFIC

<u>S.R. 47</u>

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 90 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 6. STATE ROUTE 47 MAY NOT BE CLOSED UNTIL MONDAY JULY 15TH, 2024. NO WORK CAN COMMENCE UNTIL AFTER COUNTRY CONCERT. (JULY 11-13) A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$3000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. CLEARING AND GRUBBING NEEDS TO BE COMPLETED PRIOR TO JULY 15TH TO COMPLY WITH ENVIRONMENTAL NOTES.

BRIDGE PAINTING MAY OCCUR OUTSIDE OF THE DETOUR, BUT MUST MAINTAIN ONE LANE EACH DIRECTION. PAINTING EQUIPMENT MAY OPTIONALLY BE STORED IN THE NORTHWEST QUADRANT BEHIND EXISTING GUARDRAIL.

S.R. 66

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT AND TEMPORARY SURFACES.

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.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE									
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC							
	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE							
RAMP & ROAD CLOSURES	> 12 HRS & < 2 WKS	7 CALENDAR DAYS PRIOR TO CLOSURE							
	<= 12 HRS	2 BUSINESS DAYS PRIOR TO CLOSURE							

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER. SEE BELOW FOR SIGN EXAMPLE.

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

AT INTERSECTION OF SR 66 AND 47 (EAST OF INTERSECTION): PLACE SIGN SUCH THAT NO VEHICLES WILL TURN ONTO SR 47 DURING CLOSURE.

WEST OF INTERSECTION OF SR 47 AND RANGELINE ROAD: PLACE SIGN SUCH THAT NO VEHICLES WILL DRIVE ON SR 47 PAST RANGELINE ROAD.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS DETAILED ON SHEET 6 AND 7.

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.

DETOUR SIGNING

THE CONTRACTOR SHALL PROVIDE THE DETOUR SIGNING AS SHOWN ON P.06. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT FOR ITEM 614 DETOUR SIGNING.

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE". THIS ROUTE INCLUDES THE FOLLOWING CONNECTING ROAD:

RANGELINE ROAD

DURING THE TIME THAT TRAFFIC IS DETOURED. THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER AS DIRECTED BY THE ENGINEER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE WILL BE EVALUATED BY THE ENGINEER TO DETERMINE IF ADDITIONAL RESTORATION IS NECESSARY.

COORDINATION OF WORK:

PID 108099, D07-BH-FY23(A), SALE 6/22/23, COMPLETION DATE 9/1/24. PID 110169, SHE-CULVERT-FY23, COMPLETION DATE 4/30/24 PID 114979, D07-BH-FY25 (D), SALE 10/01/24, COMPLETION DATE 9/30/25

THE CONTRACTOR IS ADVISED THAT ADJACENT CONSTRUCTION PROJECTS WITHIN OR NEAR THE WORK LIMITS OF THIS PLAN MAY IMPACT THE PROJECT SCHEDULE, SEQUENCE OF CONSTRUCTION AND/OR TRAFFIC CONTROL BETWEEN ADJACENT ZONES. THE CONTRACTOR IS REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ADJACENT CONSTRUCTION PROJECTS. COOPERATION WITH THE ENGINEER. INSPECTORS AND ALL OTHER CONTRACTORS ON OR ADJACENT TO THE PROJECT IS REQUIRED PER CMS 105.08.

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WILL BE CLOSED XXX/XX FOR 90 DAYS INFO: 1-888-200-9919

W20-H13-60

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE									
ITEM	DURATION OF CLOSURE	NOTICE DUE TO D7 PERMITS & PIO							
	>= 2 WKS	21 CALENDAR DAYS PRIOR TO CLOSURE							
RAMP & ROAD CLOSURES	> 12 HRS & < 2 WKS	<i>14 CALENDAR DAYS PRIOR TO CLOSURE</i>							
	< 12 HRS	<i>4 BUSINESS DAYS PRIOR TO CLOSURE</i>							
LANE CLOSURES AND	>= 2 WKS	<i>14 CALENDAR DAYS PRIOR TO CLOSURE</i>							
RESTRICTIONS	< 2 WKS	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.

INTERIM COMPLETION DATE

THE INTERIM COMPLETION DATE FOR DECK REPLACEMENT AND ROADWAY WORK AT SHE-47-0397 SHALL BE 10/18/24. BRIDGE PAINTING MAY OPTIONALLY OCCUR APRIL 1ST 2025 TO MAY 30TH 2025.

ALL EXISTING LANES SHALL BE OPEN AND AVAILABLE TO TRAFFIC BY THE INTERIM COMPLETION DATE. SHOULD THE CONTRACTOR FAIL TO MEET THE INTERIM COMPLETION DATE, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES OF \$3,000 PER EACH CALENDAR DAY.

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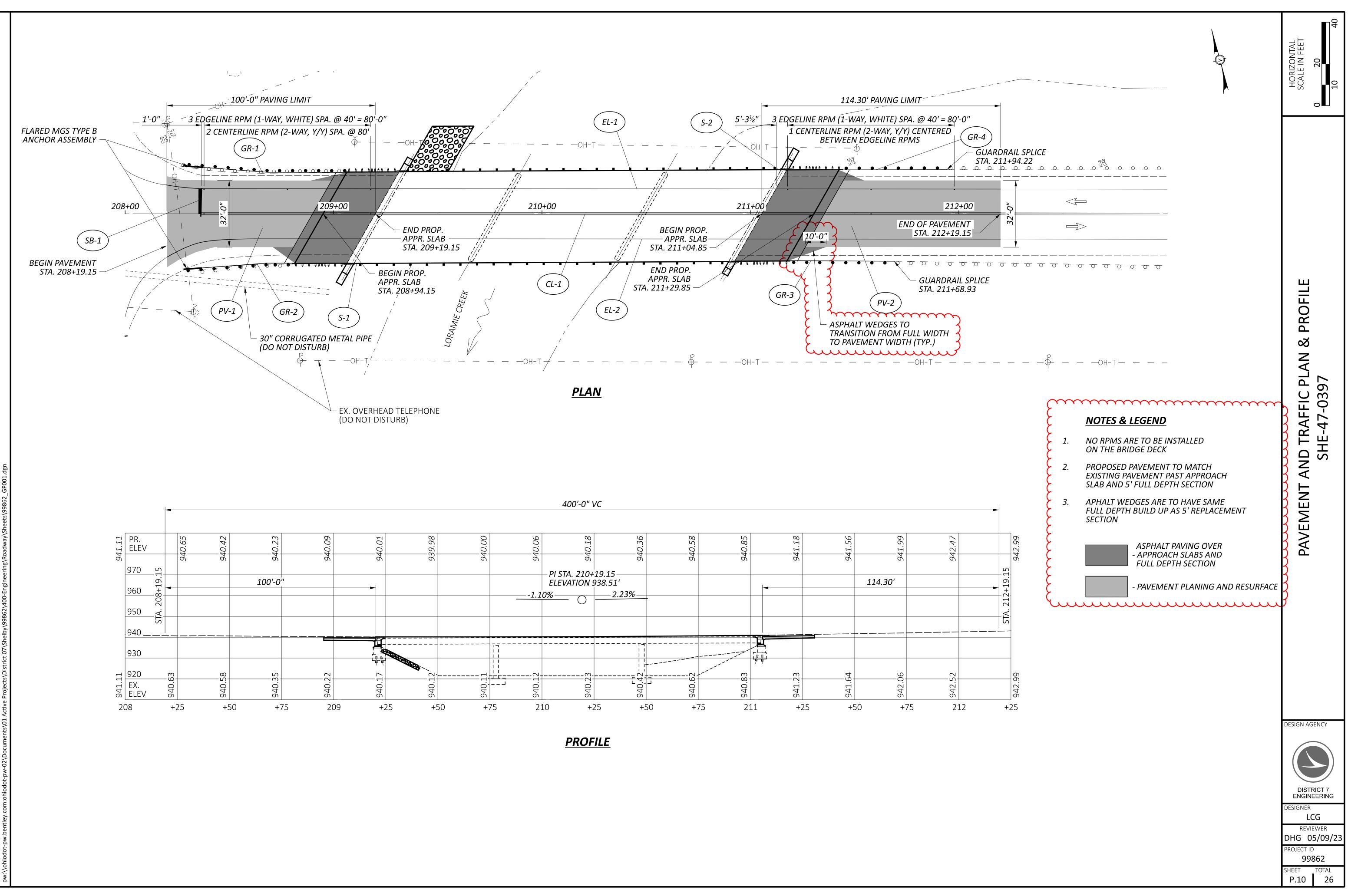
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DESIGN AGENCY
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LCG
REVIEWER
DHG 05/09/23
PROJECT ID
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PAVEMENT AND TRAFFIC SUBSUMMARY



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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15 DATED 1/20/23 AS-2-15 (REVISED) 1/20/23 DS-1-92 (REVISED) 7/15/22 SICD-1-21 (REVISED) 1/21/22 SICD-2-14 (REVISED) 1/15/21 TST-2-21 DATED 7/16/21

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS. 9TH EDITION. INCLUDING THE INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN LOADING

DESIGN LOADING INCLUDES: VEHICULAR LIVE LOAD: HL-93

OPERATIONAL IMPORTANCE

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL

DESIGN DATA

CONCRETE CLASS QC2 -COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 -COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT -UNCOATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI, APPROACH SLABS, ABUTMENT -GALVANIZED STEEL REINFORCEMENT – MINIMUM YIELD STRENGTH 60-KSI, BRIDGE DECK, DIAPHRAGMS

EXISTING STRUCTURAL STEEL - MIN. YIELD STRESS 36 KSI STEEL H-PILES - ASTM A572 - YIELD STRENGTH 50 KSI

DECK PROTECTION METHOD

GALVANIZED REINFORCING STEEL $2\frac{1}{2}$ " CONCRETE COVER STEEL DRIP STRIP

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

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. PLANS OF THE EXISTING STRUCTURES MAY BE EXAMINED AT THE DISTRICT SEVEN OFFICE IN SIDNEY, OHIO OR THE OFFICE OF STRUCTURAL ENGINEERING IN COLUMBUS, OHIO.

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

THIS WORK CONSISTS OF THE REMOVAL OF CONCRETE DECKS INCLUDING METAL RAILINGS AND OTHER APPURTENANCES FROM STEEL SUPPORTING SYSTEMS (BEAMS, CROSS-FRAMES, ETC.). THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK 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 IS PROHIBITED. SUBMIT CONSTRUCTION PLANS ACCORDING *TO C&MS 501.05.*

PROTECTION OF STEEL SUPPORT SYSTEMS:

BEFORE DECK SLAB CUTTING BEGINS. DRAW THE OUTLINE OF PRIMARY STEEL MEMBERS IN CONTACT WITH THE BOTTOM OF THE DECK ON THE SURFACE OF DECK. DRILL SMALL DIAMETER PILOT HOLES 2 INCHES OUTSIDE THESE LINES TO CONFIRM THE LOCATION OF FLANGE EDGES. DECK CUTS OVER OR WITHIN 2 INCHES OF FLANGE EDGES SHALL NOT EXTEND LOWER THAN THE BOTTOM LAYER OF CONCRETE REINFORCEMENT IN THE DECK SLAB. CUTS MADE OUTSIDE 2 INCHES OF FLANGE EDGES MAY EXTEND THE FULL DEPTH OF THE DECK. PERFORM WORK CAREFULLY DURING CUTTING OF THE DECK SLAB TO AVOID DAMAGING STEEL MEMBERS THAT ARE TO BE INCORPORATED INTO THE PROPOSED STRUCTURE. REPLACE OR REPAIR STEEL MEMBERS DAMAGED BY THE DECK SLAB CUTTING OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING REPAIR.

<u>REMOVAL METHODS:</u>

THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVALS OVER STRUCTURAL MEMBERS (I-BEAM), THE CONTRACTOR MAY USE A HAMMER HEAVIER THAN 35 POUNDS BUT NOT TO EXCEED 90 POUNDS UNLESS APPROVED BY THE ENGINEER. REMOVAL METHODS OVER STRUCTURAL MEMBERS SHALL ENSURE ADEQUATE DEPTH CONTROL AND PREVENT NICKING OR GOUGING THE PRIMARY STRUCTURAL MEMBERS. DUE TO THE POSSIBLE PRESENCE OF ATTACHMENTS (E.G., FINISHING MACHINE AND FORM SUPPORTS, ETC.) TO EXISTING STRUCTURAL MEMBERS, PERFORM WORK CAREFULLY DURING DECK REMOVAL TO AVOID DAMAGING STRUCTURAL MEMBERS THAT ARE TO REMAIN. REPLACE OR REPAIR STRUCTURAL MEMBERS DAMAGED BY THE REMOVAL OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING REPAIR.

EXISTING WELDED ATTACHMENTS:

REMOVE EXISTING WELDED ATTACHMENTS (E.G., FINISHING MACHINE AND FORM SUPPORTS) LOCATED IN THE DESIGNATED TENSION PORTIONS OF THE TOP FLANGES OF EXISTING STEEL MEMBERS AND GRIND THE FLANGE SURFACES SMOOTH. CAREFULLY GRIND PARALLEL TO THE FLANGES.

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CUT LINE CONSTRUCTION JOINT PREPARATION:

SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP.	PRIC
REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING CONCRETE	SP1
REINFORCEMENT, IF REQUIRED IN THE PLANS, IN PLACE. INSTALL DOWEL	PRC
BARS IF SPECIFIED. PRIOR TO CONCRETE PLACEMENT ABRASIVELY CLEAN	C&N
JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE	EXT
LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT,	BEY
DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR	AFT
UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING STEEL REINFORCEMENT DOES NOT HAVE TO HAVE A	THE
BRIGHT STEEL FINISH BUT REMOVE ALL PACK AND LOOSE RUST.	THE
THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER	BID
AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.	ITE
SUBSTRUCTURE CONCRETE REMOVAL:	
	PAL
REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS	
EMPLOYING POINTED AND BLUNT CHISEL TOOLS. THE DEPARTMENT WILL NOT PERMIT HYDRAULIC HOE RAM TYPE HAMMERS. THE WEIGHT OF	ITE
THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL	A 2
WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED. OUTSIDE THE 18-IN	ASF
LIMIT, THE CONTRACTOR MAY USE HAMMERS NOT EXCEEDING 90	OF
POUNDS UPON THE APPROVAL OF THE ENGINEER. DO NOT PLACE	FOF
PNEUMATIC HAMMERS IN DIRECT CONTACT WITH CONCRETE	SH
REINFORCEMENT THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE.	
	ITEI
<u>MEASUREMENT & PAYMENT:</u>	ASI
THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A	THIS
LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED	STR
QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 -	THE
PORTIONS OF STRUCTURE REMOVED, AS PER PLAN.	ABL
ronnons of sinderone newoved, Astentean.	CON
PILES TO BEDROCK	DUF
FILLS TO BEDROCK	SUP
DRIVE PILES TO REFUSAL ON BEDROCK. THE DEPARTMENT	STE
WILL CONSIDER REFUSAL TO BE OBTAINED WHEN THE PILE	OBS
PENETRATION IS AN INCH OR LESS AFTER RECEIVING AT	
	SUP
LEAST 20 BLOWS FROM THE PILE HAMMER. SELECT THE	DAN
HAMMER SIZE TO ACHIEVE THE REQUIRED DEPTH TO	FOR
BEDROCK AND REFUSAL.	DEC
	C&N
THE TOTAL FACTORED LOAD IS 62 KIPS PER PILE FOR	EPC
THE ABUTMENT PILES.	BEA
	SEA
ABUTMENT PILES:	THE
8 HP 10X42 PILES @ 25 FEET LONG, 200 FT ORDER LENGTH	FUL
	WO
USE STEEL PILE POINTS TO PROTECT THE TIPS OF THE PROPOSED	ACC
STEEL H-PILES AT THE REAR AND FORWARD ABUTMENTS.	JAC
PILE SPLICES	PLA
	ITE
IN LIEU OF USING THE FULL PENETRATION BUTT WELDS SPECIFIED IN	QC
C&MS 507.09 TO SPLICE STEEL H-PILES, THE CONTRACTOR MAY USE A	
MANUFACTURED H-PILE SPLICER. FURNISH SPLICERS FROM THE	ALL
FOLLOWING MANUFACTURER:	FRO
ASSOCIATED PILE AND FITTING CORPORATION	
8 WOOD HOLLOW RD. PLAZA 1	FINI
PARSIPPANY, NEW JERSEY 07054	
INSTALL AND WELD THE SPLICER TO THE PILE SECTIONS IN	
ACCORDANCE WITH THE MANUFACTURER'S WRITTEN ASSEMBLY	
PROCEDURE SUPPLIED TO THE ENGINEER BEFORE THE WELDING IS	
PROCEDURE SUPPLIED TO THE ENGINEER BEFORE THE WELDING IS PERFORMED	

ITEM 514 – FIELD PAINTING, MISC. COATING OF BEAM ENDS

OR TO ENCASING THE BEAM ENDS. PREPARE THE ENDS PER SSPC 10 OR SSPC SP11 TO BARE METAL ACHIEVING A 1.5 TO 3.5 MIL OFILE. PAINT THE BEAM ENDS WITH ORGANIC ZINC PRIME COAT PER MS 514. PROVIDE THE PRIME COAT THICKNESS AS PER C&MS 514.20. TEND THE LIMITS OF THE BEAM PREPARATION AND PAINTING 1-FT YOND THE LIMITS OF THE END DIAPHRAGM CONCRETE.

TER THE DIAPHRAGM CONCRETE IS SET, SEAL THE INTERFACE BETWEEN BEAM AND CONCRETE WITH CAULK.

DEPARTMENT WILL PAY FOR ALL ABOVE LABOR AND AT THE CONTRACT PRICE FOR ITEM 514 – FIELD PAINTING, MISC: COATING OF BEAM ENDS.

EM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT

INT COLOR SHALL BE GRAY, 16515

EM 516 - 2" DEEP JOINT SEALER, AS PER PLAN

2" DEEP X 1" WIDE STRIP SHALL BE SAWCUT OUT OF THE PHALT ABUTTING CONCRETE AS DETAILED IN THE PLANS. IN LIEU SAWCUTTING AFTER CONSTRUCTION. THIS JOINT MAY BE RMED DURING CONSTRUCTION. JOINT SEALER AS PER 705.04 IALL BE USED TO SEAL THE JOINT CREATED.

M 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, PER PLAN:

IS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING RUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN PROJECT PLANS, AS WELL AS THE SUPPORT OF BEAMS WHILE THE UTMENT BEAM SEATS ARE REMOVED AND REPLACED. SUBMIT NSTRUCTION PLANS IN ACCORDANCE WITH C&MS 501.05. IF, RING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE PERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE EEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY SERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL PPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE MAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE CK FOR THE DISTANCE OF THE SEPARATION IN ACCORDANCE WITH *MS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS* OXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE ARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL ATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE LL SEATING ON BEARINGS. THE DEPARTMENT WILL MEASURE THIS DRK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE CEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516. CKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER 4N.

EM 526 - REINFORCED CONCRETE APPROACH SLABS WITH C/QA (T= 15"), AS PER PLAN

APPROACH SLAB CONCRETE SHALL BE PLACED SEPARATELY OM THE SUPERSTRUCTURE CONCRETE.

REINFORCING STEEL IS TO BE PAID SEPARATELY UNDER ITEM 509 -COATED STEEL REINFORCEMENT. mmmm

