ASBESTOS NOTIFICATION:

A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST INSPECTED THE BRIDGE STRUCTURE SCHEDULED FOR DEMOLITION AND/OR REHABILITATION;

THE SURVEY DETERMINED THAT NO ASBESTOS IS PRESENT ON THE STRUCTURE.

THE DEPARTMENT HAS PROVIDED A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM (PARTIALLY COMPLETED) AND THE ASBESTOS INSPECTION REPORT IN THE REFERENCE FILES FOR THIS PROJECT. THE CONTRACTOR SHALL COMPLETE THE FORM AND SUBMIT IT TO THE OEPA AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. ONLINE SUBMISSION IS AVAILABLE AT http://www.epa.ohio.gov/asbestos AND IS ENCOURAGED OR, THE CONTRACTOR SHALL SUBMIT IT TO ONE OF THE ADDRESSES BELOW .

ASBESTOS PROGRAM
OHIO EPA, DAPC
P.O. BOX 1049
COLUMBUS, OH 43216-1049

OR

ASBESTOS PROGRAM
OHIO EPA, DAPC
50 W. TOWN ST., SUITE 700
COLUMBUS, OH 43215

THE FORM SHALL INCLUDE:
1. THE CONTRACTORS NAME AND ADDRESS
2. THE SCHEDULED DATES FOR THE START AND COMPLETION OF THE STRUCTURE DEMOLITION AND/OR RENOVATION
3. DESCRIPTION OF THE PLANNED DEMOLITION WORK AND THE METHODS BE USED
4. ALL NECESSARY FEES

THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED NOTIFICATION OF DEMOLITION AND RENOVATION FORM TO THE PROJECT ENGINEER AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIALS NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 202 – PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

ITEM SPECIAL - VERTICAL CLEARANCE

AFTER ALL CONSTRUCTION HAS BEEN COMPLETED, A REGISTERED SURVEYOR WILL TAKE VERTICAL CLEARANCE MEASUREMENTS AT LOCATIONS INDICATED ON THE APPROVED ODOT FORM (AVAILABLE IN THE DISTRICT 4 STRUCTURES AND PAVEMENT OFFICE). THE FINAL MEASUREMENTS SHALL BE RECORDED ON THE FORM AND SUBMITTED TO THE PROJECT ENGINEER AND THE DISTRICT 4 STRUCTURES AND PAVEMENT ENGINEER. THE RECORD SHALL BEAR THE SEAL OF THE LECENSED SURVEYOR WHO HAS TAKEN THE MEASUREMENTS. THIS WORK SHALL BE PERFORMED AT THE FOLLOWING STRUCTURES:

SUM-271-0151 (SFN: 7708823)

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY: SPECIAL - VERTICAL CLEARANCE, 1 EACH

ITEM 514 - FIELD PAINTING, MISC.: TOP FLANGE:

1.0 DESCRIPTION: THIS WORK CONSISTS OF PERFORMING SURFACE PREPARATION AND APPLYING A PRIMER TO THE PREPARED STEEL AND FEATHERED REMOVAL AREAS OF UNKNOWN EXISTING PAINT SYSTEMS.

2.0 GENERAL C&MS 514.05 THROUGH 514.10 AND 514.13D APPLY UNLESS MODIFIED BY THESE NOTES.

3.0 NOT USED

4.0 SURFACE PREPARATION: REMOVE EXISTING PAINT COATING TO CONTRACT LIMITS OR AS DIRECTED BY THE ENGINEER ACCORDING TO: SSPC-SP 11, POWER TOOL CLEANING TO BARE METAL, AS SHOWN ON THE PICTORIAL SURFACE PREPARATION STANDARDS FOR PAINTING STEEL SURFACES SHOWN IN SSPC-VIS 3. FEATHER THE EXISTING PAINT TO ROUGHEN A MINIMUM OF ½ INCH OF THE EXISTING PAINT. CONTAIN AND DISPOSE OF WASTE GENERATED BY THE CLEANING ACCORDING TO C&MS 514.13 D.

ROUND ALL EXPOSED CORNERS OF MAIN MATERIAL TO BE PAINTED AS NECESSARY TO ACHIEVE A 1/8 (± 1/16) INCH RADIUS OR EQUIVALENT FLAT SURFACE AT A 45 DEGREE ANGLE.

5.0 FIELD PAINTING: APPLY THE PRIME COAT OF THE THREE-COAT PAINT SYSTEM SPECIFIED IN C&MS 708.02, ACCORDING TO C&MS 514.15, 514.16, 514.17, 514.19 AND 514.20 TO THE CONTRACT LIMITS OR AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DETERMINE THE PRIME COAT THICKNESS USING A TYPE 2 MAGNETIC GAGE AT SPOT LOCATIONS. DO NOT APPLY THE INTERMEDIATE OR FINISH COAT. THE PRIME COAT OF PAINT SHALL MEET THE MINIMUM DRY FILM THICKNESS REQUIREMENTS OF C&MS 514.20. APPLY PAINT AS FOLLOWS:

APPLY THE PRIME COAT ONLY TO THE PREPARED SURFACE OF THE BARE STEEL AND THE EXISTING UNKNOWN PAINT SYSTEM ROUNGHENED BY FEATHERING.

AT THE PERIMETER OF THE REPAIR AREA, APPLY THE PRIME COAT USING A BRUSH. IN LIEU OF BRUSHING THE CONTRACTOR MAY DOUBLE MASK THE AREAS NOT TO BE COATED AND SPRAY TO FEATHERED REMOVAL LINES.

6.0 MEASUREMENT: THE DEPARTMENT WILL MEASURE FIELD PAINTING MISC.: TOP FLANGE BY THE NUMBER OF LINEAR FEET OF STRUCTURAL STEEL PAINTED.

THE DEPARTMENT WILL DETERMINE THE LINEAR FEET BY TAKING EXACT FIELD MEASUREMENTS OF ALL PAINTED SURFACES AND CALCULATIONS.

7.0 BASIS OF PAYMENT: THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICES AS FOILLOWS:

THE DEPARTMENT MAY CONSIDER PAINT AS ELIGIBLE FOR PAYMENT FOR MATERIAL ON-HAND AS SPECIFIED IN 109.10, HOWEVER, ONLY PAINT THAT THE CONTRACTOR CAN PROVE TO THE ENGINEER WILL BE USED DURING THE CONSTRUCTION SEASON IS ELIGIBLE FOR PAYMENT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER CALCULATIONS INDICATING THE TOTAL LINEAR FEET OF STEEL TO BE PAINTED DURING THE CONSTRUCTION SEASON. THE CONTRACTOR SHALL ALSO PROVIDE CALCULATIONS SHOWING THE TOTAL NUMBER OF GALLONS REQUIRED.

IF THE CONTRACTOR CAUSES DAMAGE OR INJURY TO PUBLIC OR PRIVATE PROPERTY, THE DEPARTMENT WILL NOT PAY FOR RESTORING THE PROPERTY TO ITS ORIGINAL CONDITION.

THE DEPARTMENT WILL NOT PAY FOR REPAIRING ADJACENT COATINGS DAMAGED DURING SURFACE PREPARATION.

THE DEPARTMENT WILL NOT PAY FOR REMOVING AND REPLACING AN AREA OF COATING BECAUSE A SPOT OR MAXIMUM AVERAGE THICKNESS EXCEEDS THE MAXIMUM SPOT THICKNESS.

THE DEPARTMENT WILL NOT PAY FOR ADDITIONAL TESTING REQUIRED BY ANY HAULER, TREATMENT FACILITY, DISPOSAL FACILITY OR LANDFILL.

THE DEPARTMENT WILL NOT PAY FOR ACCESSING, INSPECTING, AND REPAIRING AREAS THAT ARE NOT FOUND TO BE IN CONFORMANCE WITH THE SPECIFICATIONS AND PERTINENT CONTRACT DOCUMENTS.

ALL OTHER REQUIREMENTS OF THIS FIELD PAINTING SPECIFICATION ARE CONSIDERED INCIDENTAL TO THE WORK.

ITEM	UNIT	DESCRIPTION
514	FT	FIELD PAINTING MISC.: TOP FLANGE

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT. = ABUTMENT
ACT. = ACTUAL
APP. = APPROACH
BRG. = BEARING
BOTT. = BOTTOM
BTW. = BETWEEN
CB = CATCH BASIN
C.I.P. = CAST-IN-PLACE
C.J. = CONSTRUCTION JOINT
CLR. = CLEARANCE
CONST. = CONSTRUCTION
CONT. = CONTINUOUS
DIA. = DIAMETER
DWG. = DRAWING
E.F. = EACH FACE
E.S. = EACH SIDE
EL. = ELEVATION
EQ. = EQUAL
EX. = EXISTING
EXP. = EXPANSION
F.A. = FORWARD ABUTMENT
F.D.S. = FINAL DECK SURFACE
F.S. = FAR SIDE
FTG. = FOOTING
FWD. = FORWARD
G/R = GUARDRAIL
INT. = INTERIOR
INV. = INVERT
NPCPP = NON-PERFORATED CORRUGATED PLASTIC PIPE
N.S. = NEAR SIDE
PCPP = PERFORATED CORRUGATED PLASTIC PIPE
PEJF = PREFORMED EXPANSION JOINT FILLER
PROP. = PROPOSED
PT. = POINT
R.A. = REAR ABUTMENT
REQD. = REQUIRED
SER. = SERIES
SHLD. = SHOULDER
SPA. = SPACES
STA. = STATION
STD. = STANDARD
STM = STORM SEWER LINE
T&B = TOP AND BOTTOM
T.O.H. = TOP OF HAUNCH
T/S = TOP OF SLOPE
TYP. = TYPICAL

GENERAL NOTES
BRIDGE NO. SUM 271-0151
SOUTHERN ROAD (CR194) OVER IR-271

SFN 7708823

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
JMV	SJF

REVIEWER
CLB 11/30/22

PROJECT ID 106885

SUBSET	TOTAL
3	25

SHEET	TOTAL
26	48

SUM-271-1.51

MODEL: Untitled Sheet PAPERSIZE: 34x22 (in.) DATE: 8/29/2023 TIME: 10:13:21 AM USER: kmessaros
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ESTIMATED QUANTITIES (BRIDGE NO. SUM 271-0151)

CALCULATED BY: SJF DATE: 11/29/22
CHECKED BY: CLB DATE: 11/30/22

ITEM	ITEM EXT.	01/IMS/14 TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER STR.	GENERAL	SEE SHT. NO.
202	11203		LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	2,5,6/25
202	22900	148	SY	APPROACH SLAB REMOVED				148	
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING				LS	
503	21300		LS	UNCLASSIFIED EXCAVATION				LS	
509	10000	141701	LB	EPOXY COATED STEEL REINFORCEMENT	4008	136	137557		
509	10001	196	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN		196			2/25
509	26000	1169	LB	GALVANIZED STEEL REINFORCEMENT	1169				
509	30020	7977	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			7977		
510	10001	354	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	308	46			2/25
511	33501	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	2				10/25
511	34413	357	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE, AS PER PLAN			357		16/25
511	34450	116	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			116		
511	43210	2	CY	CLASS QC1CONCRETE, PIER		2			
511	45710	39	CY	CLASS QC1CONCRETE, ABUTMENT	39				
511	46510	19	CY	CLASS QC1CONCRETE, FOOTING	19				
512	10100	1317	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	497	3	817		
512	10600	100	FT	CONCRETE REPAIR BY EPOXY INJECTION				100	
513	20000	1740	EACH	WELDED STUD SHEAR CONNECTORS			1740		
514	27700	368	SF	FIELD PAINTING, MISC.: COATING OF BEAM ENDS			368		2/25
514	27710	2624	FT	FIELD PAINTING, MISC.: TOP FLANGE			2624		3/25
516	10010	78	FT	ARMORLESS PREFORMED JOINT SEAL	78				
516	13600	20	SF	1" PREFORMED EXPANSION JOINT FILLER				20	
516	13900	181	SF	2" PREFORMED EXPANSION JOINT FILLER	181				
516	14020	102	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	102				
516	44200	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)		8			
				(16" x 18" x 3 1/4")					
516	44200	4	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)		4			
				(16" x 20" x 3 1/4")					
516	44301	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	8				14/25
				(13 1/2" x 13 1/2" x 4 1/4")					
516	47001		LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN				LS	2/25
518	21200	99	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	99				
518	40000	120	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	120				
518	40010	40	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	40				
519	11100	100	SF	PATCHING CONCRETE STRUCTURE				100	
526	25010	180	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")				180	
526	90030	78	FT	TYPE C INSTALLATION				78	
601	20000	59	SY	CRUSHED AGGREGATE SLOPE PROTECTION	59				2/25
607	39900	650	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			650		
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM				1	
SPECIAL	69098000	1	EACH	VERTICAL CLEARANCE				1	3/25

ESTIMATED QUANTITIES
BRIDGE NO. SUM 271-0151
SOUTHERN ROAD (CR194) OVER IR-271

SFN 7708823

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CHECKER
JMV	SJF

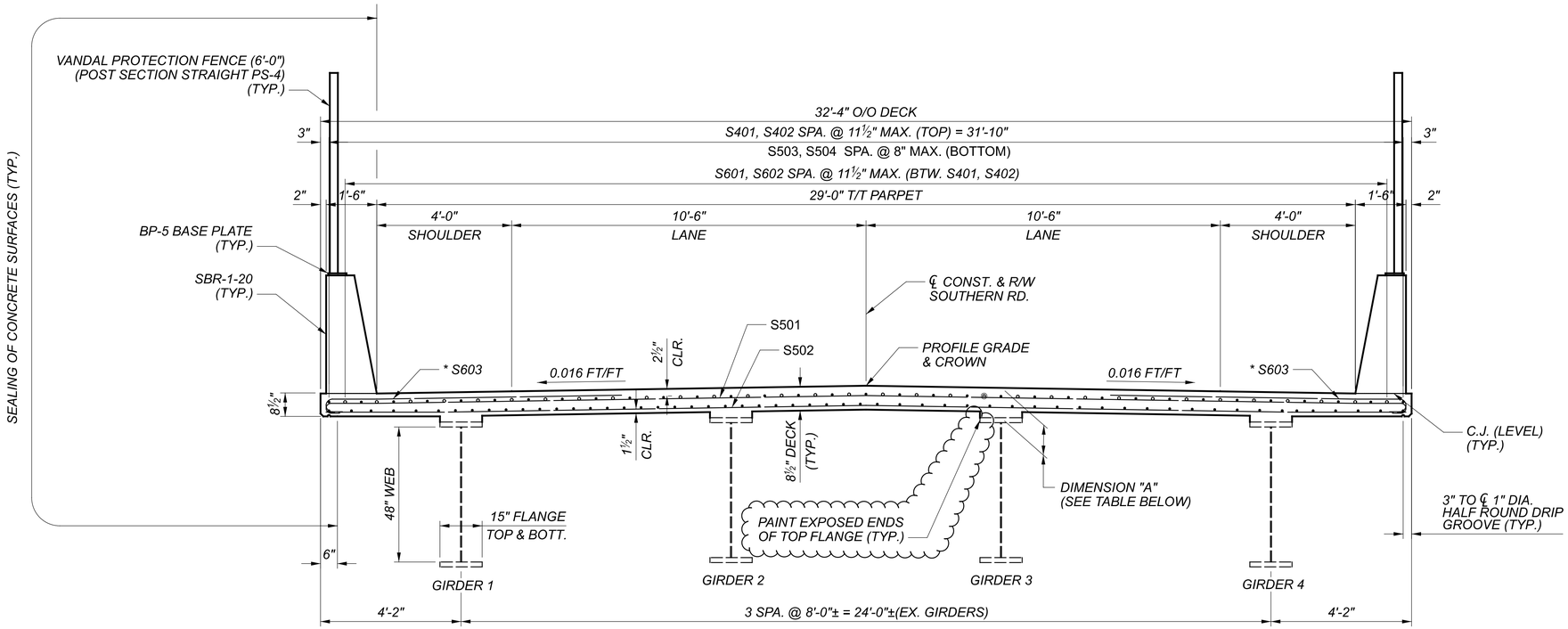
REVIEWER
CLB 11/30/22

PROJECT ID 106885

SUBSET	TOTAL
4	25

SHEET	TOTAL
27	48

SUM-271-1.51



TRANSVERSE SECTION

MINIMUM BAR LAP	
#4	1'-11"
#5	3'-0"
#6	3'-7"

DIMENSION "A" (TOP OF SLAB TO TOP OF FLANGE)					
LOCATION	℄ BRG. R.A.	℄ BRG. PIER 1	℄ BRG. PIER 2	℄ BRG. PIER 3	℄ BRG. F.A.
BEAM 1	11"	10"	10"	9 7/8"	10 1/4"
BEAM 2	11"	10 1/8"	10 3/8"	9 3/4"	10 1/4"
BEAM 3	11 1/4"	10"	10"	9 3/4"	10 1/8"
BEAM 4	11 1/8"	10 1/4"	10 1/8"	9 3/4"	10"

NOTES:

* ROTATE S603 HOOKED BARS AS NECESSARY TO MAINTAIN A MIN. 1½" BOTTOM CLEAR COVER.

FOR PARAPET DETAILS, SEE SHEET 23/25.

FOR SLAB REINFORCING PLAN, SEE SHEET 18/25.

FOR SCREED ELEVATIONS, SEE SHEET 21/25.

THE ESTIMATED QUANTITY OF DECK SLAB CONCRETE IS BASED ON THE CONSTANT DECK SLAB THICKNESS, AS SHOWN, PLUS THE QUANTITY OF CONCRETE THAT FORMS EACH BEAM/GIRDER HAUNCH. THE ESTIMATE ASSUMES A VARIABLE HAUNCH THICKNESS (3½" MAX. / 1¼" MIN.) AND A HAUNCH WIDTH EQUAL TO THE TOP FLANGE WIDTH. DEVIATE FROM THIS HAUNCH THICKNESS AS NECESSARY TO PLACE THE DECK SURFACE AT THE FINISHED GRADE.

THE HAUNCH THICKNESS WAS MEASURED AT THE CENTERLINE OF THE BEAM/GIRDER, FROM THE SURFACE OF THE DECK TO THE TOP OF THE TOP FLANGE MINUS THE DECK SLAB THICKNESS. THE AREA OF ALL EMBEDDED STEEL PLATES HAS BEEN DEDUCTED FROM THE HAUNCH QUANTITY IN ACCORDANCE WITH 511.23.

TRANSVERSE SECTION
BRIDGE NO. SUM 271-0151
SOUTHERN ROAD (CR194) OVER IR-271

SFN 7708823

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	CHECKER
JMV	SJF

REVIEWER
CLB 11/30/22

PROJECT ID 106885

SUBSET	TOTAL
17	25

SHEET	TOTAL
40	48

SUM-271-1.51

MODEL: Untitled Sheet PAPERSIZE: 34x22 (in.) DATE: 8/29/2023 TIME: 10:49:58 AM USER: kmessaros
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