

PROPOSED WORK TABLE

BRIDGE	SFN	FEATURE INTERSECTED	DECK PATCHING	DECK SEALING	REPLACE ASPHALT WEARING SURFACE	ASPHALT OVERLAY	BACKWALL REPAIR	CONCRETE PATCHING	SPALL REMOVAL	INSTALL POLYMER MODIFIED EXPANSION JOINT	REPLACE POLYMER MODIFIED EXPANSION JOINT	CLEARING & GRUBBING AS PER PLAN	OTHER
SUM-76-5.790	7705493	OVER WOOSTER-EAST AVE	X					X					X
SUM-76-5.910	7705557	OVER CSX RAILROAD	X	X				X				X	X
SUM-76-6.474R	7705611	OVER I-277-0.17			X		X	X				X	X
SUM-76-6.843	7705670	OVER WILBETH RD.				X	X		X	X		X	
SUM-76-6.999	7705700	OVER KENMORE BLVD. (CR-670)				X	X		X	X		X	
SUM-76-7.366	7705735	UNDER BATES AVE.				X	X			X		X	
SUM-76-8.237L	7705859	OVER MORSE ST.			X		X					X	
SUM-77-9.580L	7702671	OVER SUM-77		X								X	X
SUM-277-0.898	7709579	OVER ABC RAILROAD	X	X				X				X	
SUM-277-1.129	7709609	OVER WATERLOO RD. (CR-672)			X			X	X		X	X	X
SUM-277-1.315	7709633	OVER SR-93 (MANCHESTER RD.)			X						X	X	
SUM-277-1.687	7709692	OVER OHIO CANAL & LEY DR. (TR-1355)	X	X								X	X
SUM-277-2.147	7709714	OVER RELOCATED BREWSTER RUN										X	X
SUM-277-2.341	7709730	OVER I-277		X				X				X	X
SUM-277-3.040	7709757	OVER GLENMOUNT AVE. (CR-14)			X			X	X		X	X	
SUM-277-3.672	7709781	OVER BRANCH OF BREWSTER RUN										X	X
SUM-277-3.734	7709811	OVER I-77			X				X		X	X	
SUM-76-8.240UR	7705883	RAMP U (I-76 EB) OVER MORSE ST.			X							X	

DESIGN SPECIFICATIONS

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

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

- AS-1-15 DATED (REVISED) 1/20/23
- AS-2-15 DATED (REVISED) 7/21/23
- EXJ-4-87 DATED (REVISED) 1/19/24
- VPF-1-90 DATED (REVISED) 7/21/23
- BR-1-13 DATED (REVISED) 1/17/14

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS AND SUPPLEMENT:

- 843 DATED 1/19/24
- 844 DATED 4/20/18
- 846 DATED 4/17/15
- 856 DATED 7/21/23
- 1083 DATED 1/20/17

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.

PROPOSED WORK DESCRIPTION

DECK SEALING

SEAL EXISTING WEARING SURFACE AND APPROACH SLABS WITH GRAVITY-FED RESIN.

DECK PATCHING

REPAIR UNSOUND AREAS OF THE EXISTING DECK AND APPROACH SLABS.

REPLACE ASPHALT WEARING SURFACE

REMOVE AND REPLACE ASPHALT WEARING SURFACE AS SHOWN ON SHEETS 7-9/13.

ASPHALT OVERLAY

INSTALL NEW ASPHALT OVERLAY AS SHOWN ON SHEETS 7-9/13.

BACKWALL REPAIR

SPOT REPAIR THE TOP PORTION OF THE FORWARD AND REAR BACKWALLS.

CONCRETE PATCHING

PATCH ALL UNSOUND AREAS SHOWN IN THE SUBSEQUENT PLAN NOTES AND SEAL WITH EPOXY-URETHANE SEALANT.

INSTALL POLYMER MODIFIED EXPANSION JOINT

INSTALL NEW POLYMER MODIFIED EXPANSION JOINT AT FORWARD AND REAR ENDS OF THE BRIDGE.

REPLACE POLYMER MODIFIED EXPANSION JOINT

REPLACE EXISTING POLYMER MODIFIED EXPANSION JOINT AT FORWARD AND REAR ENDS OF THE BRIDGE.

CLEARING AND GRUBBING

REMOVE ALL VEGETATION WITHIN 15 FEET OF THE STRUCTURE AND REAR ENDS OF THE BRIDGE.

PROPOSED WORK DESCRIPTION (CONTINUED)

OTHER

- SUM-76-5.790
 - PERFORM A FULL DEPTH REPAIR OF THE TYPE C SLEEPER SLAB AT THE FORWARD APPROACH SLAB.
 - REPLACE PORTIONS OF THE VANDAL FENCE.
 - PATCH PORTIONS OF THE RIGHT PARAPETS WITH TROWELBLE MORTAR.
- SUM-76-5.910
 - REFURBISH AND RESET THE ABUTMENT BEARINGS.
 - RECONSTRUCT PORTIONS OF THE RIGHT CONCRETE PARAPET.
 - REMOVE AND REPLACE CONCRETE SEALANT ON THE PARAPETS WITH EPOXY-URETHANE SEALANT.
 - REMOVE AND REPLACE THE ELASTOMERIC STRIP SEAL GLAND IN THE EXPANSION JOINTS.
- SUM-76-6.474R
 - REFURBISH AND RESET THE ABUTMENT BEARINGS AT THE REAR ABUTMENT.
- SUM-77-9.580L
 - SEAL THE TOP AND INSIDE OF THE PARAPETS WITH EPOXY-URETHANE SEALANT.
- SUM-277-1.129
 - SCUPPER CLEANOUT.
- SUM-277-1.687
 - REPAIR EROSION AT FORWARD LEFT CORNER.
 - SEAL THE ABUTMENTS AND PIERS WITH ANTI-GRAFFITI SEALANT.
 - REMOVE AND REPLACE THE ELASTOMERIC STRIP SEAL GLAND IN THE EXPANSION JOINTS.
- SUM-277-2.147
 - CHANNEL CLEANOUT.
- SUM-277-2.341
 - PERFORM 4" PARTIAL DEPTH REPAIRS AT FORWARD AND REAR TERMINATION JOINTS.
- SUM-277-3.672
 - CHANNEL CLEANOUT.

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS

ALTHOUGH NO TREES OR STUMPS ARE SPECIFICALLY MARKED FOR REMOVAL WITHIN THE PLANS, A LUMP SUM QUANTITY IS INCLUDED IN THE STRUCTURE GENERAL SUMMARY FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS. SCALPING IS NOT REQUIRED FOR THIS ITEM OF WORK. ALL VEGETATION SHALL BE REMOVED WITHIN 15 FEET (OR TO THE R/W LIMITS, WHICHEVER IS CLOSER) OF THE HEADWALLS, ABUTMENTS AND/OR PIERS.

ALL OTHER PROVISIONS AS SET FORTH IN THE CMS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS.

SUM-76/277-5.90/0.00

MODEL: Sheet 1 PAPER SIZE: 34x22 (in.) DATE: 6/11/2024 TIME: 7:52:05 AM USER: cgaftan
 pw:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01.Active Projects\District 04\Summit\113086\400.Engineering\Structures\SFN_7705611_Sheets\113086_SFN_7705611_SN001.dgn

STRUCTURE GENERAL NOTES
 SUM-76 STRUCTURES
 SUM-277 STRUCTURES

SFN
 VARIOUS
 DESIGN AGENCY



DESIGNER
 CLG

CHECKER
 MJA

REVIEWER
 TJP 03-05-24

PROJECT ID
 113086

SUBSET	TOTAL
1	15

SHEET	TOTAL
P.48	62

CALC: CLG DATE: 2/13/2024
 CHECKED: MJA DATE: 3/6/2024

ESTIMATED QUANTITIES												
BRIDGE NO. / STRUCTURE FILE NO.								ITEM	EXTENSION	UNIT	DESCRIPTION	SEE SHEET
SUM-76-5.790 7705493 02/IMS/47	SUM-76-5.910 7705557 02/IMS/47	SUM-76-6.474R 7705611 02/IMS/47	SUM-76-6.843 7705670 02/IMS/47	SUM-76-6.999 7705700 02/IMS/47	SUM-76-7.366 7705735 02/IMS/47	SUM-76-8.237L 7705859 02/IMS/47	SUM-77-9.580L 7702671 02/IMS/47					
	LS	LS	LS	LS	LS	LS	LS	201	11001	LS	CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS	1 / 15
200								202	38000	FT	GUARDRAIL REMOVED	
57								202	75000	FT	FENCE REMOVED	
		412						254	01000	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 1.5")	
						167		897	01010	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T = 0.75")	
		38	173	162	124	16		407	20000	GAL	NON-TRACKING TACK COAT	
			179	138	94			407	13900	GAL	TACK COAT, 702.13	
		148				65		409	30000	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
			89	72	55	5		424	14100	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (449) (T = 1")	
		18						442	22100	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449) (T = 1.5")	
25	787							509	20001	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN	3 / 15
		7	8	8	4	5		511	71100	CY	CONCRETE, MISC.; BACKWALL REPAIR	
	11							511	71100	CY	CONCRETE, MISC.; PARAPET REPAIR	
	5016						1043	512	73500	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
2	1131	37	18	19	8	12	224	512	10100	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	754						224	512	74000	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
	1516						654	512	74500	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
	342							516	10010	FT	ARMORLESS PREFORMED JOINT SEAL	
	28	9						516	45305	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	2 / 15
	1							516	46900	EACH	BEARING DEVICE, MISC.:BEARING PLATE	
			16	15	14			516	13600	SF	1" PREFORMED EXPANSION JOINT FILLER	
	LS	LS						516	47001	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	2 / 15
30	50							519	12304	SY	PATCHING CONCRETE BRIDGE DECK - TYPE C	
4								526	98200	FT	APPROACH SLABS, MISC.; TYPE C SLEEPER SLAB REPAIR	
			10	10				SPECIAL	53000800	SY	STRUCTURES: CONCRETE SPALL REMOVAL	2 / 15
200								606	15050	FT	GUARDRAIL, TYPE MGS	
1								606	35000	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	
1								606	35100	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2	
57								607	39900	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
10								843	50000	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR	
	1020	175						844	10000	SF	CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION	
			78	72	68			846	00110	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
			94	72	49			856	10000	CY	BRIDGE DECK WATERPROOFING ASPHALT CONCRETE	

STRUCTURE ESTIMATED QUANTITIES
 SUM-76 STRUCTURES
 SUM-277 STRUCTURES

SFN
 VARIOUS
 DESIGN AGENCY



DESIGNER: CLG
 CHECKER: MJA
 REVIEWER: TJP
 PROJECT ID: 113086
 SUBSET: 4 TOTAL: 15
 SHEET: P.51 TOTAL: 62