

**STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:**

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

TST-1-99 DATE/REVISED 7/20/18  
DS-1-92 DATE/REVISED 7/18/2003

IN ADDITION TO THE ABOVE CURRENT STANDARD DRAWINGS THE FOLLOWING ARCHIVED STANDARD DRAWINGS WERE USED TO CONSTRUCT STRUCTURE. REFER TO EXISTING PLANS.

A-1-54 DATE/REVISED 12/1/1954  
CS-2-54 DATE/REVISED 7/16/1656  
P-1-54 DATE/REVISED 2/2/1959

AND THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS

848 DATE/REVISED 1/20/2017

**DESIGN SPECIFICATIONS:**

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 17TH EDITION 2002, AND THE ODOT BRIDGE DESIGN MANUAL, 2004.

**DECK PROTECTION METHOD:**

NEW SDC OVERLAY OF 1.75" THICKNESS  
DRIP STRIP

**EXISTING STRUCTURE VERIFICATION:**

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 THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS 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 WHICH HAVE BEEN VERIFIED IN THE FIELD.

**IN STREAM RESTRICTIONS:**

THE CONTRACTOR SHALL NOT PLACE FILL OR STAGE EQUIPMENT BELOW THE ORDINARY HIGH WATER MARK OF THE WATERWAY. THE OHWM FOR PROJECT IS DEFINED AS ELEV. 1051.00. ACCESS TO THE UNDERSIDE OF THE DECK SHALL BE PERFORMED IN SUCH A MANNER TO MEET THE REQUIREMENTS STATED ABOVE. IF DEBRIS ENTERS THE WATERWAY DURING CONSTRUCTION THE CONTRACTOR SHALL REMOVE THE DEBRIS IMMEDIATELY UTILIZING HAND REMOVALS OR EQUIPMENT STAGED ABOVE THE ORDINARY HIGH WATER MARK.

**DOCUMENTATION OF VARIABLE DEPTH:**

PRIOR TO POURING PROPOSED SDC OVERLAYS, THE PROJECT ENGINEER MUST DOCUMENT THE APPROXIMATE VARIABLE DEPTH LOCATIONS ON THE DECK AND TAKE PICTURES OF THESE LOCATIONS AND OTHER SIGNIFICANT FINDINGS. ADDITIONALLY, DOCUMENT THE AS BUILT OVERLAY THICKNESS AND TOTAL AMOUNT OF VARIABLE DEPTH USED. PROVIDE THIS DOCUMENTATION TO THE ODOT BRIDGE ENGINEER TO BE KEPT ON FILE FOR FUTURE POSSIBLE OVERLAYS.

**ITEM 202, PORTIONS OF STRUCTURE REMOVED, AS PER PLAN**

DESCRIPTION: THIS WORK CONSISTS OF THE REMOVAL OF CONCRETE AND BRIDGE RAILING AS DETAILED IN THE PLANS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED AND INCORPORATED INTO THE PROPOSED STRUCTURE. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAM TYPE OF EQUIPMENT IS PROHIBITED. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

REMOVAL METHODS: THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS.

MEASUREMENT AND PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF CONCRETE REMOVALS ON A CUBIC YARD BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202. PORTIONS OF STRUCTURE REMOVED, AS PER PLAN, SUPERSTRUCTURE.

**ITEM 516 JOINT SEALER, AS PER PLAN:**

UPON COMPLETION OF THE RIGID OVERLAY, THE CONTRACTOR SHALL SAW CUT THE INTERFACE BETWEEN THE APPROACH PAVEMENT AND OVERLAY AN AREA OF 1" WIDE BY THE DEPTH OF THE NEW SDC OVERLAY AND FILL THIS AREA WITH HOT APPLIED JOINT SEALER 705.04.

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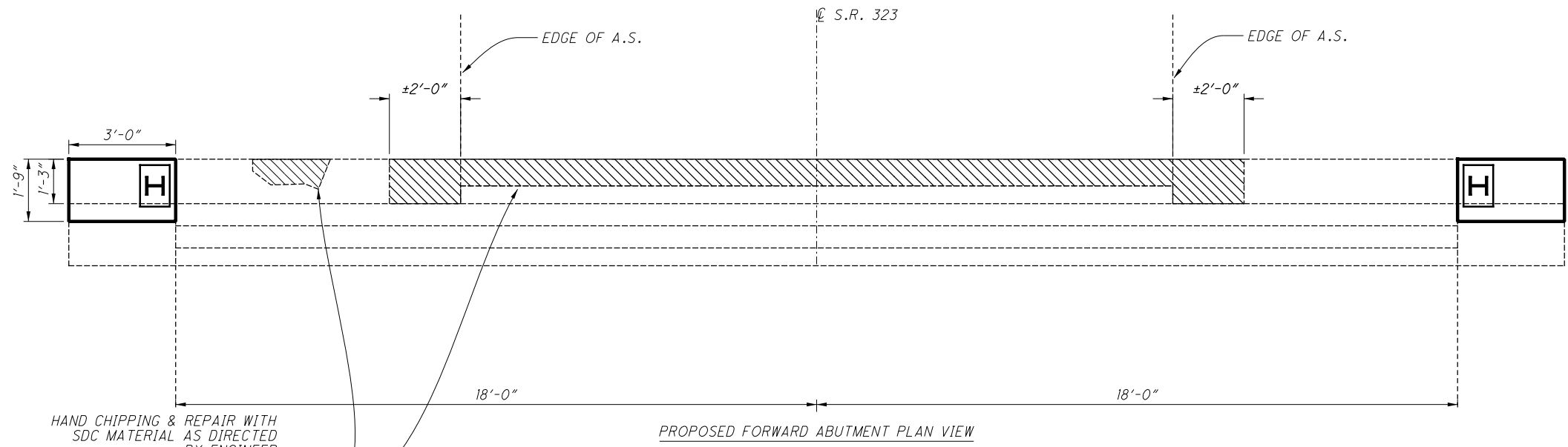
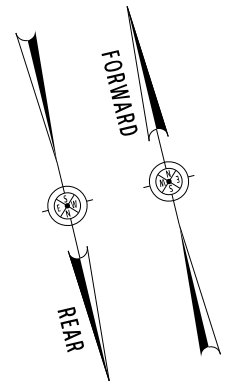
DESIGNED		DRAWN		REVIEWED		DATE		DESIGN AGENCY	
CAB	KRF	CAB	KRF	KRF	KRF	10/23/2019		ODOT DEPARTMENT OF	
CHECKED		REVISED		STRUCTURE FILE NUMBER				TRANSPORTATION DISTRICT	6
				4903994					
<b>STRUCTURE NOTES</b>									
BRIDGE NO. MAD-323-0390 OVER PAINT CREEK									
<b>MAD-323-3.90</b>									
<b>PID No. 98170</b>									
2 / 9									
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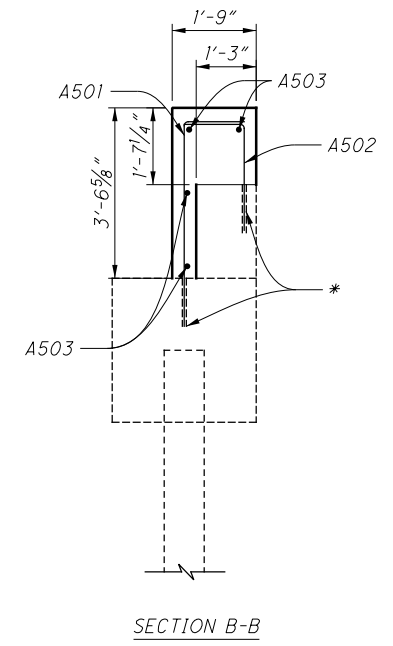
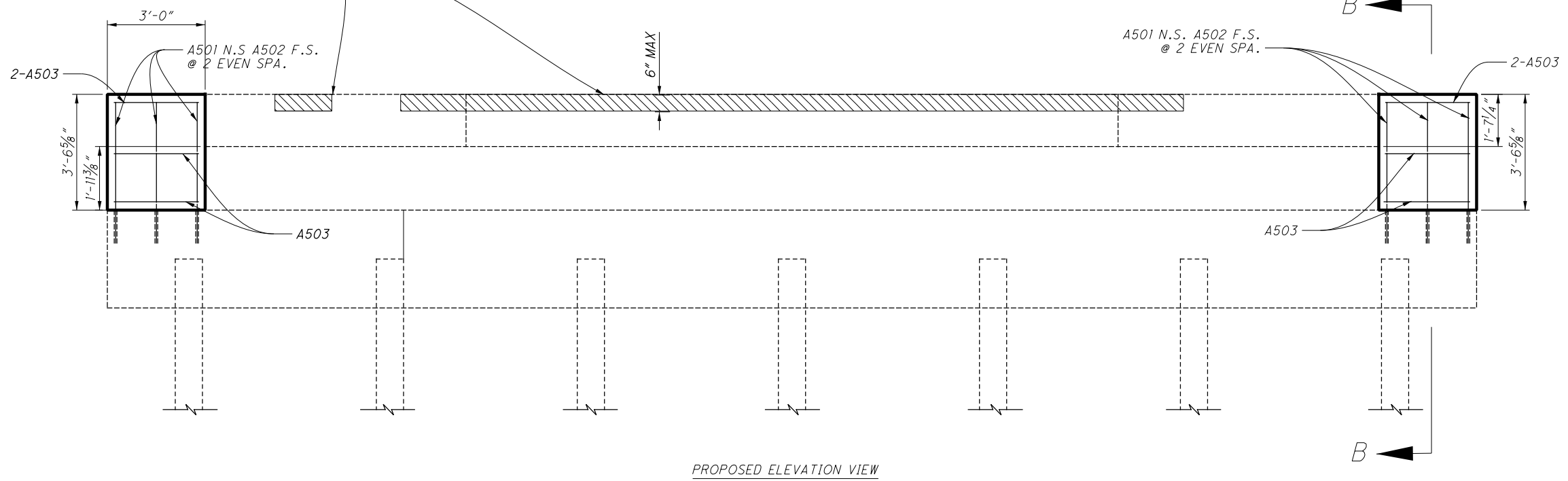
SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	
											10	01/STR/BR						
											56	56	202	11301	56	CY	STRUCTURE OVER 20 FOOT SPAN (MAD-323-0390) PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	10
											13,706	13,706	509	10000	13,706	LB	EPOXY COATED REINFORCING STEEL	
											24	24	510	10000	24	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
											54	54	511	34410	54	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE	
											2	2	511	50210	2	CY	CLASS QC1 CONCRETE, SUBSTRUCTURE	
											42	42	516	31001	42	FT	JOINT SEALER, AS PER PLAN	10
											263	263	517	70000	263	FT	RAILING (TWIN STEEL TUBE)	
											310	310	SPECIAL	51822300	310	FT	STEEL DRIP STRIP	
											500	500	848	10200	500	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 1 3/4"	
											389	389	848	20000	389	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
											10	10	848	30200	10	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
											50	50	848	50000	50	SY	HAND CHIPPING	
											LS	LS	848	50100	LS		TEST SLAB	
											389	389	848	50320	389	SY	EXISTING CONCRETE OVERLAY REMOVED, 1 1/4"	
											20	20	848	50340	20	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

DESIGN AGENCY ODOT DEPARTMENT OF TRANSPORTATION DISTRICT 6	DATE 10/23/2019	REVIEWED KRF	DRAWN CAB	ESTIMATED STRUCTURE QUANTITIES
	STRUCTURE FILE NUMBER 4903994	CHECKED KRF	REVISED KRF	BRIDGE NO. MAD-323-0390 OVER PAINT CREEK
MAD-323-3.90 PID No. 98170				3/9
11 17				

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HAND CHIPPING & REPAIR WITH SDC MATERIAL AS DIRECTED BY ENGINEER. RETAIN EX RESTEEL CHIPPING TO BE PAID UNDER 848 E 50000. MATERIAL TO BE PAID UNDER 848 E 30200.



\* ALL DOWELS SHALL BE 1'-0" DEEP

DESIGNED CAB KRF	DRAWN CAB KRF	REVIEWED KRF	DATE	DESIGN AGENCY
			10/23/2019	ODOT DEPARTMENT OF
CHECKED KRF	REVISION KRF	STRUCTURE FILE NUMBER 4903994	TRANSPORTATION DISTRICT 6	
<b>PROPOSED ABUTMENT</b> BRIDGE NO. MAD-323-0390 OVER PAINT CREEK				
<b>MAD-323-3.90</b> <b>PID No. 98170</b>				
5 / 9				
<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="margin-right: 5px;">13</span> <span>17</span> </div>				