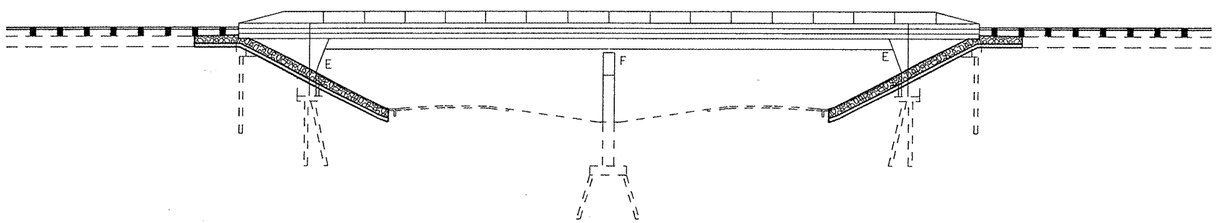
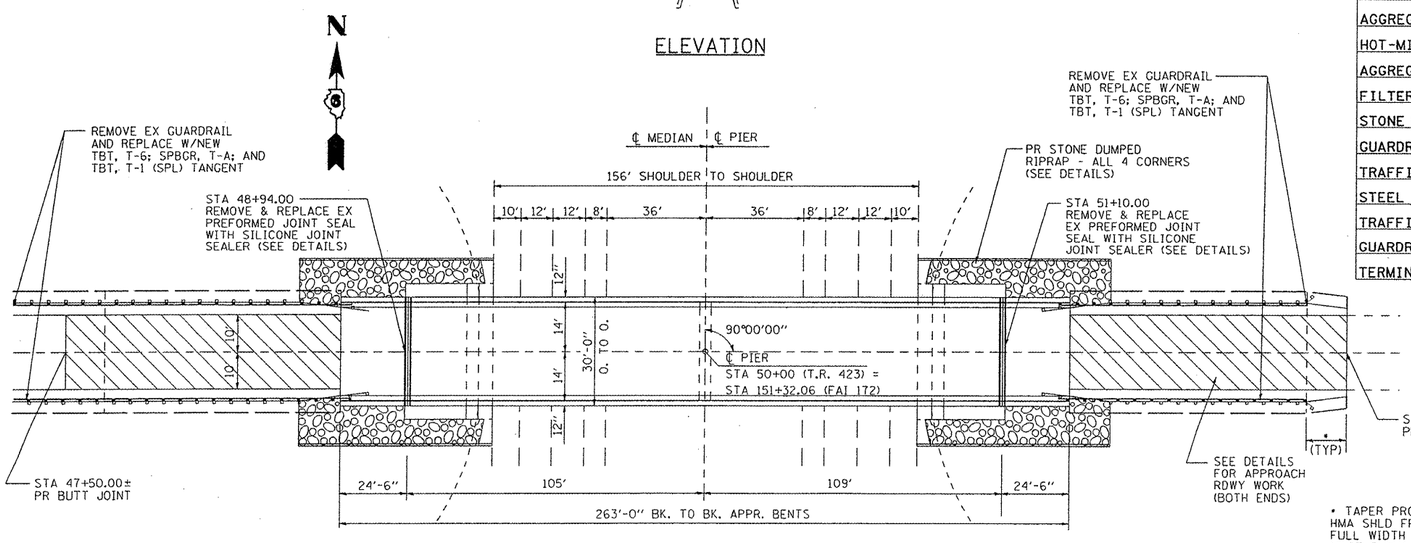
SN 001-0045

EXISTING STRUCTURE: SN 001-0045 IS 30' - 0" O. TO O. OF DECK AND 263' -0" BK. TO BK. OF APPROACH BENTS, TWO-SPAN CONTINUOUS 54" PPC I BEAMS, 7 1/2" CONCRETE DECK SUPERSTRUCTURE SUPPORTED BY CONCRETE ABUTMENTS AND A CONCRETE PIER. THIS STRUCTURE CARRIES TR 423 (ST. ANTHONY ROAD) OVER FAI 172 AND WAS BUILT UNDER SECTION 1-5HB-1 IN 1975.

THIS IMPROVEMENT INCLUDES MILLING AND RESURFACING THE APPROACH ROADWAYS; CONSTRUCTING HOT-MIX ASPHALT AND AGGREGATE SHOULDERS ON THE APPROACH ROADWAYS; ADDING RIPRAP ALONG THE CURTAIN WALLS AND OUTSIDE THE EXISTING SLOPE WALLS; REPLACING EXISTING GUARDRAIL; AND REPLACING PREFORMED JOINT SEALS WITH SILICONE JOINT SEAL POURED AGAINST EXISTING EMBEDDED STEEL PLATES AFTER CLEANING.



ELEVATION



PLAN

• TAPER PROPOSED HMA SHLD FROM FULL WIDTH TO 1' STUB @ 1:6TAPER

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

RIPRAP QUANTITIES AND LOCATION OF RIPRAP ALONG CURTAIN WALL AND EXISTING SLOPEWALL ARE APPROXIMATE BASED ON CONDITIONS AT THE TIME OF FIELD INVESTIGATION. THE ENGINEER SHALL DETERMINE FINAL PLACEMENT AND QUANTITY OF THIS WORK IN THE FIELD.

REMOVAL OF THE EXISTING PREFORMED JOINT SEAL WILL BE CONSIDERED AS PART OF THE WORK OF THE INSTALLATION OF THE NEW SILICONE JOINT SEALER ALONG WITH THE CLEANING OF THE EXISTING JOINT.

ALL WORK ASSOCIATED WITH THE INSTALLATION OF THE NEW SILICONE JOINT SEALER WILL BE COMPLETED UTILIZING STAGE CONSTRUCTION CLOSING HALF OF THE BRIDGE TO TRAFFIC FOR CONSTRUCTION AND MAINTAINING ONE-LANE, TWO-WAY, TRAFFIC ON THE OTHER HALF WITH USE OF FLAGGERS AND OTHER REQUIRED TC&P DURING DAYTIME OPERATIONS ONLY AT A TIME.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER	FOOT	60
ROADWAY ITEMS		
EXCAVATING AND GRADING EXISTING SHOULDERS	UNIT	9
HOT-MIX ASHALT SHOULDERS, 8"	SQ YD	405
HOT-MIX ASHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	525
BITUMINOUS MATERIALS (PRIME COAT)	TON	0.2
AGGREGATE (PRIME COAT)	TON	1.1
HOT-MIX ASHPHALT SURFACE COURSE, MIX "C", N50	TON	44
AGGREGATE SHOULDER, TYPE B	TON	37
FILTER FABRIC	SQ YD	150
STONE DUMPED RIPRAP, CLASS A4	TON	88
GUARDRAIL REMOVAL	FOOT	850
TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	450
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
GUARDRAIL MARKERS, TYPE A	EACH	10
TERMINAL MARKER - DIRECT APPLIED	EACH	4

STATE OF ILLINOIS
RALPH E. ANDERSON
081-004625
LICENSED STRUCTURAL ENGINEER
SPRINGFIELD, ILLINOIS

Expires 11/30/2009

GENERAL PLAN & ELEVATION
TR 423 (ST. ANTHONY ROAD) OVER FAI 172
FAI ROUTE 172
SECTION: (1-5)RS-1; (1-6)RS
ADAMS COUNTY
STA 151+32.06 (FAI 172)
STA 50+00.00 (TR 423)
SN 001-0045

SHEET 1 OF 3

FILE NAME = c:\pw_work\PWIDOT\LAUGHLINRL\dms26563\D93-095 SN001-0045.IDOT_REV.dgn	USER NAME = laughlinrl	DESIGNED - JCN	REVISED - 02/03/09
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Feb-11-2009 11:40:36AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE REPAIR DETAILS
SN-001-0045

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-5)RS-1; (1-6)RS	ADAMS	108	93

CONTRACT NO. 72694

ILLINOIS FED. AID PROJECT