

SN 001-0049

EXISTING STRUCTURE: SN 001-0049 IS 32' - 0" O. TO O. OF DECK AND 267' - 3" 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 CH 3 (ELLINGTON ROAD) OVER FAI 172 AND WAS BUILT UNDER SECTION 1-6HB-1 IN 1975.

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

GENERAL NOTES

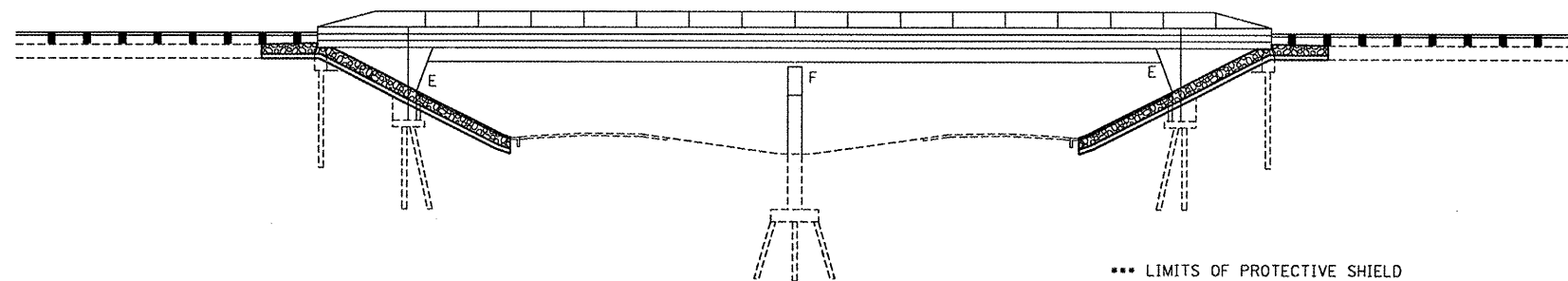
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL 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.

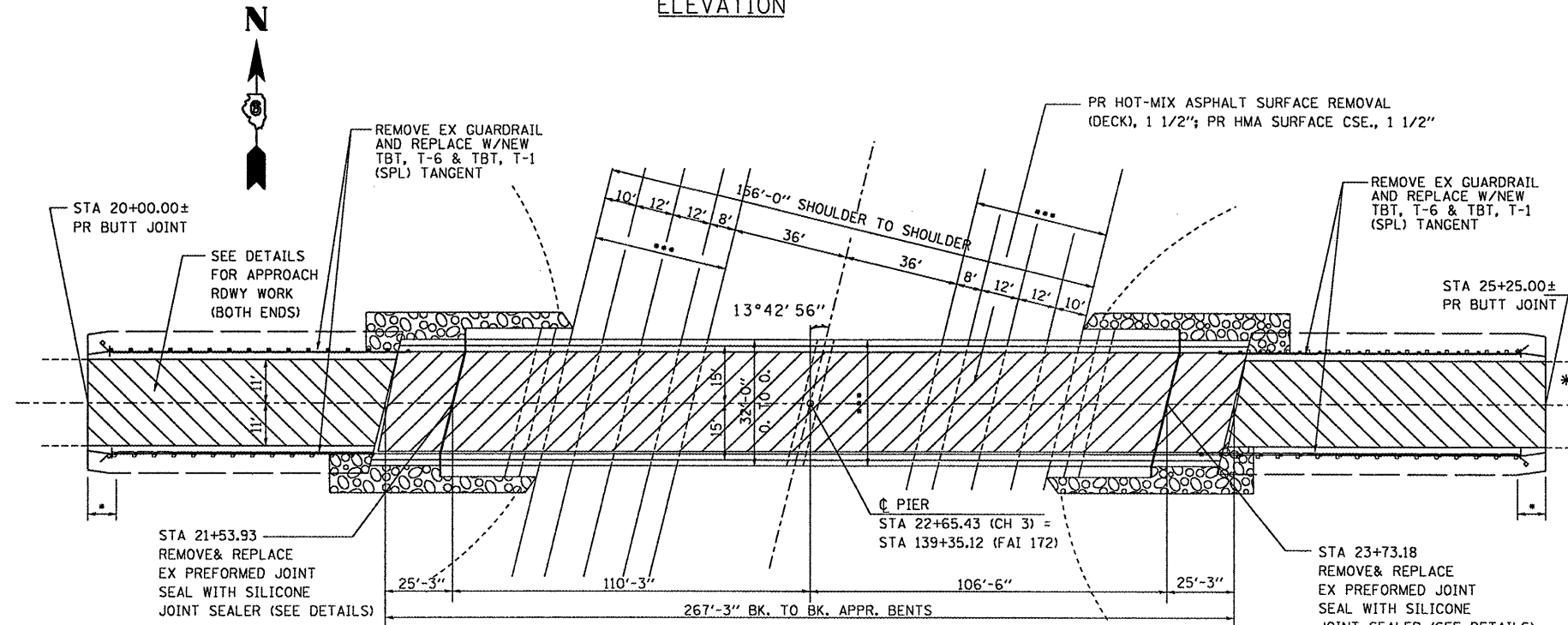
REMOVAL OF THE EXISTING PREFORMED JOINT SEAL WILL BE CONSIDERED AS PART OF THE WORK OF THE INSTALLATION OF THE NEW SILICONE JOINT SEALER ALONG WITH THE CLEANING OF THE EXISTING JOINT.

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.

ALL WORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE EXISTING HMA WEARING SURFACE, AND DECK PATCHING SHALL 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 TC&P STANDARD 701321, TEMPORARY BRIDGE TRAFFIC SIGNALS, AND TEMPORARY CONCRETE BARRIER.



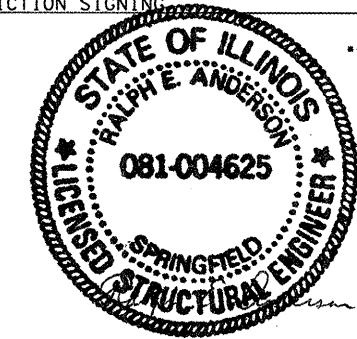
ELEVATION



PLAN

TOTAL BILL OF MATERIALS		
ITEM	UNIT	TOTAL
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	846
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	71
SILICONE JOINT SEALER	FOOT	66
ROADWAY ITEMS		
EXCAVATING AND GRADING EXISTING SHOULDERS	UNIT	5
HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	228
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	626
BITUMINOUS MATERIALS (PRIME COAT)	TON	0.6
AGGREGATE (PRIME COAT)	TON	3.0
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	53
AGGREGATE SHUOLDERS, TYPE B	TON	20
FILTER FABRIC	SQ YD	150
STONE DUMPED RIPRAP, CLASS A4	TON	88
GUARDRAIL REMOVAL	FOOT	400
TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
GUARDRAIL MARKERS, TYPE A	EACH	4
TERMINAL MARKER - DIRECT APPLIED	EACH	4
DECK SLAB REPAIR (PARTIAL)	SQ YD	36.0
DECK SLAB REPAIR (FULL DEPTH), TYPE 2	SQ YD	9.4
WATERPROOFING MEMBRANE SYSTEM	SQ YD	846
TRAFFIC CONTROL AND PROTECTION STANDARD 701321	EACH	1
TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
PROTECTIVE SHIELD	L SUM	1
WIDTH RESTRICTION SIGNING	L SUM	1

** IN ACCORDANCE WITH SECTION 501 OF THE STANDARD SPECIFICATIONS



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

GENERAL PLAN & ELEVATION
CH 3 (ELLINGTON ROAD) OVER FAI 172
FAI ROUTE 172
SECTION: (1-5)RS-1; (1-6)RS
ADAMS COUNTY
STA 139+35.12 (FAI 172)
STA 22+65.43 (CH 3)
SN 001-0049 SHEET 1 OF 5

FILE NAME =	USER NAME = #USER*	DESIGNED - JCN	REVISED - 02/03/09
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE*	CHECKED -	REVISED -
	PLOT DATE = #DATE*	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE REPAIR DETAILS
SN-001-0049**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-5)RS-1; (1-6)RS	ADAMS	108	98
CONTRACT NO. 72694			ILLINOIS FED. AID PROJECT	