

SN 001-0050, 0051

EXISTING STRUCTURE: SN 001-0050, 0051 ARE DUAL STRUCTURES 42' - 0" O. TO O. OF DECK AND 288'-3" BK. TO BK. OF ABUTMENTS, THREE-SPAN CONTINUOUS 48" PPC I BEAMS, 7 1/2" CONCRETE DECK SUPERSTRUCTURE SUPPORTED BY CONCRETE ABUTMENTS AND CONCRETE PIERS. THESE STRUCTURES CARRY FAI 172 OVER THE BNRR, AND WERE BUILT UNDER SECTION 1-6VB IN 1975.

THIS IMPROVEMENT INCLUDES REMOVING AND REPLACING EXPANSION JOINTS AT BOTH ENDS OF BOTH BRIDGES WITH A STRIP SEAL; REPAIR OF THE NW FASCIA BEAM ON SN 001-0051; MILLING AND RESURFACING THE APPROACH ROADWAYS; AND REPLACING THE EXISTING GUARDRAIL.

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.

PRIOR TO BEGINNING ANY REPAIR WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A PRELOADING SYSTEM ON THE BRIDGE DECK OVER THE EXISTING DAMAGED BEAM AT THE SPECIFIED LOCATION. THE PRELOADING SYSTEM SHOULD PRODUCE A TOTAL MAXIMUM

SERVICE LOAD MOMENT OF 740 FT. KIPS AT THE CENTERLINE OF THE DAMAGED AREA.

PRELOADING SHALL BE KEPT IN PLACE FOR AT LEAST THREE (3) DAYS AFTER COMPLETION OF CONCRETE REPAIR OR UNTIL THE CONCRETE HAS REACHED AN ULTIMATE STRENGTH OF 5,000 PSI.

THE CONTRACTOR'S PROPOSED PRELOADING SYSTEM, WITH COMPUTATIONS, SEALED AND SIGNED BY AN ILLINOIS STRUCTURAL ENGINEER SHALL BE SUBMITTED TO THE BUREAU OF BRIDGES AND STRUCTURES FOR APPROVAL. THE PRELOADING SYSTEM SHALL BE PLACED SHORTLY AFTER BRIDGE CLOSURE FOR REPAIRS.

THE PRELOADING SYSTEM SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR PPC I BEAM REPAIRS.

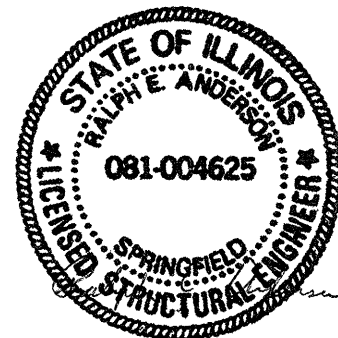
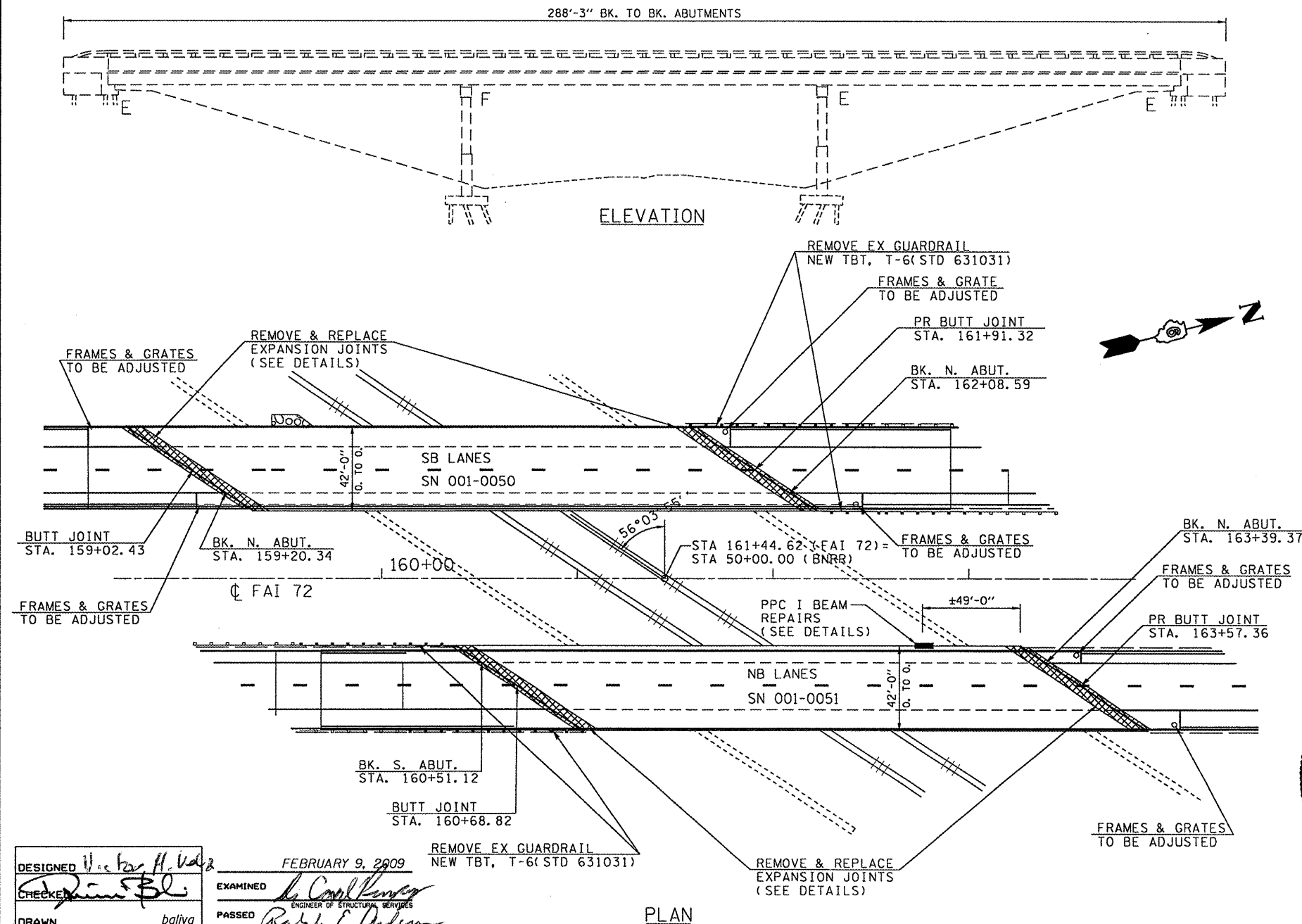
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60. SEE SPECIAL PROVISIONS.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50 DEGREES FAHRENHEIT.

ALL REPAIR WORK ASSOCIATED WITH THE BRIDGES SHALL BE COMPLETED BY STAGE CONSTRUCTION UTILIZING TC&P, STANDARD 701402 AND WITH TEMPORARY CONCRETE BARRIER LOCATED AS DETAILED IN THESE REPAIR PLANS.



TOTAL BILL OF MATERIALS		
ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	70.0
REINFORCEMENT BARS, EPOXY COATED	POUND	12,520
BAR SPLICERS	EACH	56
PREFORMED JOINT STRIP SEAL	FOOT	301
CONCRETE SUPERSTRUCTURE	CU YD	70.0
PPC I BEAM REPAIRS	LS	1

DESIGNED: *W. C. ...*  
 CHECKED: *[Signature]*  
 DRAWN: *balliva*  
 EXAMINED: *[Signature]*  
 PASSED: *[Signature]*

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION  
 STA 161+44.62(FAI 172), STA 50+00.00(BNRR)  
 SN001-0050(SB), SN001-0051(NB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-5)RS-1; (1-6)RS	ADAMS	108	101
SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72694	
ILLINOIS FED. AID PROJECT				