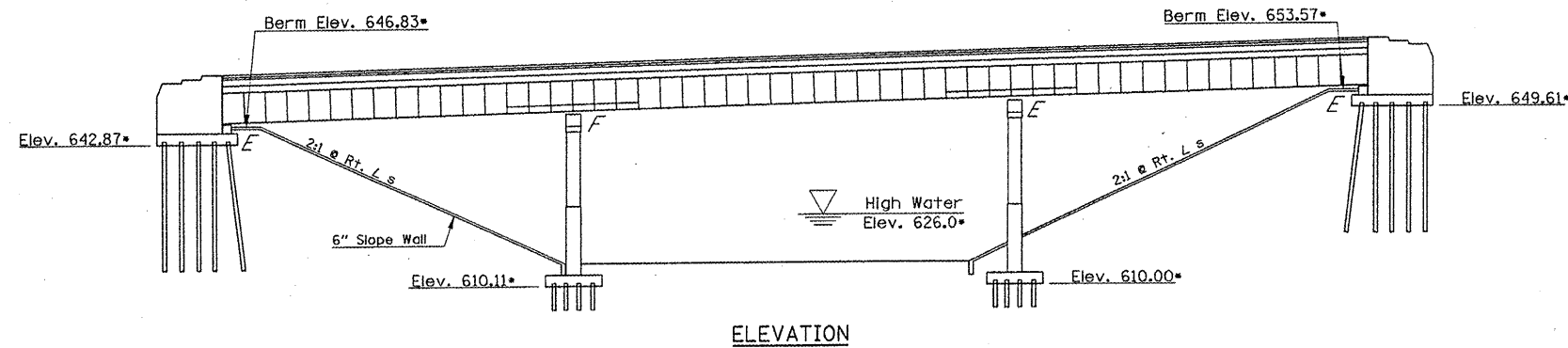


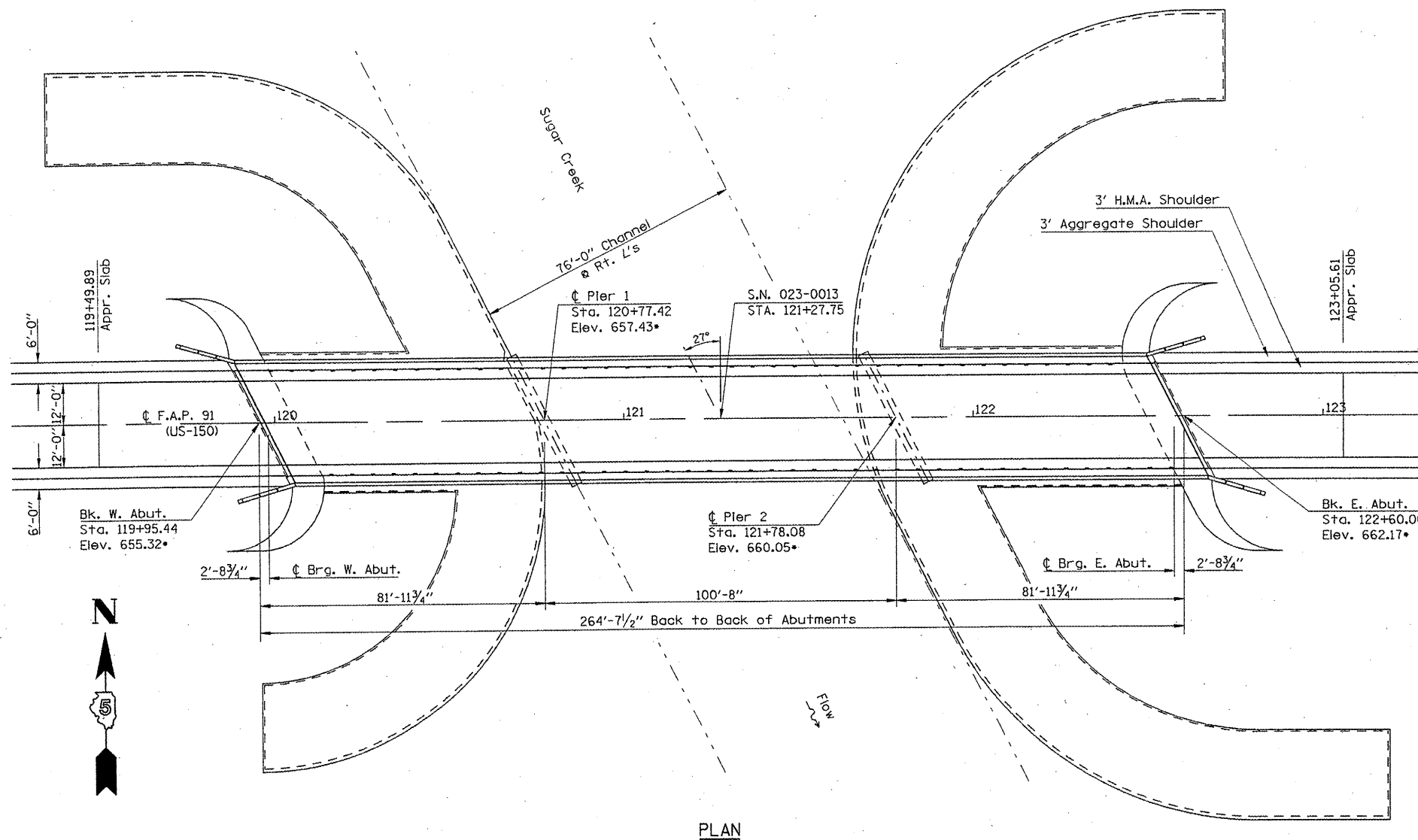
GENERAL PLAN & ELEVATION

S.N. 023-0013

ELEVATIONS PROVIDED ON THIS SHEET WERE TAKEN FROM AS-BUILT PLANS OF THE EXISTING STRUCTURE AND HAVE BEEN INCLUDED FOR PERSPECTIVE ONLY.



ELEVATION



PLAN

THE EXISTING STRUCTURE WAS BUILT IN 1966 BY THE STATE OF ILLINOIS AS S.B.I. ROUTE 134, SECTION 101 BR AT STATION 121+28 IN EDGAR COUNTY. THE STRUCTURE WAS IMPROVED IN 1986 WITH F.A. ROUTE 91, SECTION 101BR-1. WITH THAT SECTION, THE ORIGINAL STEEL ROCKER BEARINGS WERE REPLACED WITH ELASTOMERIC BEARINGS. IN AUGUST OF 2009, THE DISTRICT BRIDGE CREW REMOVED THE HATCH BLOCKS AND PREFORMED JOINT SEALS AND REPLACED THEM WITH NEW HATCH BLOCKS AND SILICONE JOINT SEALER. THE STRUCTURE CARRIES F.A.P. 91 (US-150) OVER SUGAR CREEK 1 MILE EAST OF PARIS.

THE SUPERSTRUCTURE CONSISTS OF AN 7" R.C. DECK WITH A WATERPROOFING MEMBRANE SYSTEM AND A 1 1/2" H.M.A. WEARING SURFACE SUPPORTED BY FIVE 63" PLATE GIRDERS. THE DECK WAS CONSTRUCTED WITH GALVANIZED STAY-IN-PLACE FORMS. THE FORM-WORK HAS BEEN REMOVED IN THE OUTER BAYS AND PARTIALLY REMOVED AT THE WEST END OF THE SOUTH INNER BAY. THE SUPERSTRUCTURE IS SUPPORTED BY TWO COLUMN PIERS ON SPREAD FOOTINGS AND TIMBER PILES AND TWO SPILL-THRU ABUTMENTS ON CONCRETE PILES. THE STRUCTURE MEASURES 264'-7 1/2" FROM BACK TO BACK OF ABUTMENTS. THE DECK HAS A CLEAR WIDTH OF 30'-0" FROM FACE TO FACE OF CURB AND AN OUT-TO-OUT WIDTH OF 36'-0".

METHOD OF CONSTRUCTION: STAGE CONSTRUCTION

SEE PROPOSED IMPROVEMENTS ON THIS SHEET.

PROPOSED WORK

1. REMOVE EXISTING WATERPROOFING MEMBRANE SYSTEM AND H.M.A. WEARING SURFACE ON DECK.
2. PERFORM FULL AND PARTIAL-DEPTH DECK PATCHING.
3. PLACE NEW FLOOR DRAINS IN DECK.
4. PLACE WATERPROOFING MEMBRANE SYSTEM AND 1/2" H.M.A. WEARING SURFACE ON BRIDGE DECK.
5. REMOVE AND REPLACE SILICONE JOINT FILLER AT EAST JOINT.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
H.M.A. SURFACE REMOVAL (DECK)	SQ YD	870.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	130.0
DECK SLAB REPAIR (FULL-DEPTH, TY II)	SQ YD	179.0
FLOOR DRAINS	EACH	34.0
WATERPROOFING MEMBRANE SYSTEM	SQ YD	899.0
H.M.A. SURFACE CSE. MIX C, N-50	TON	73.0
SILICONE JOINT SEALER, 2"	FOOT	41.0

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE 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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR AND H.M.A. SURFACE REMOVAL (DECK).

THE EXISTING STRUCTURE HAS BEEN FOUND TO CONTAIN NO ASBESTOS.



David Carl Puzey 2/7/11
Expires 11/30/2012

FILE NAME =	USER NAME = carrollt	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 023-0013	*91 & 332
et:\pwork\work\dot\carrollt\d0212096\Bri	ge Repairs - 023-0013.dgn	DRAWN - GMS	REVISED -	SCALE:	SHEET NO. 1 OF 9 SHEETS	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISIED -	REVISED -	STA.	TO STA.	101 BDR & CX-BJR EDGAR 36 4
PLOT DATE = 12/10/2010	DATE -	REVISED -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 70873