

GENERAL PLAN & ELEVATION

S.N. 092-0144

ELEVATIONS SHOWN HAVE BEEN TAKEN FROM AS-BUILT PLANS AND ARE INCLUDED FOR PERSPECTIVE ONLY.

THE EXISTING STRUCTURE WAS BUILT IN 1970 BY THE STATE OF ILLINOIS AS F.A. ROUTE 11, SECTION 38BR AT STATION 8+97.50 IN VERMILION COUNTY. THE STRUCTURE CARRIES F.A.P. 729 (US-136) OVER LICK CREEK AT THE EAST EDGE OF DANVILLE.

THE SUPERSTRUCTURE CONSISTS OF A 7½" R.C. DECK SUPPORTED BY SEVEN 48" P.P.C. I-BEAMS. THE SUPERSTRUCTURE IS SUPPORTED BY A SINGLE SOLID-SHAFT HAMMERHEAD PIER ON A SPREAD FOOTING AND TWO PILE BENT SPILL-THRU ABUTMENTS. THE STRUCTURE MEASURES 142'-8" FROM BACK TO BACK OF ABUTMENTS AND HAS TWO SPANS MEASURING 68'-6" EACH. THE DECK HAS A CLEAR WIDTH OF 42'-6" FROM FACE TO FACE OF PARAPET AND AN OUT-TO-OUT WIDTH OF 46'-0".

METHOD OF CONSTRUCTION: STAGE CONSTRUCTION

SEE PROPOSED IMPROVEMENTS ON THIS SHEET.

PROPOSED WORK

1. PERFORM ¾" BRIDGE DECK SCARIFICATION AND FULL-DEPTH DECK PATCHING.
2. MILL BUTT JOINT OVER APPROACH ROADWAY.
3. REPLACE HATCH BLOCKS AND PERFORM PARTIAL-DEPTH PATCHING ON APPROACH SLABS.
4. REMOVE THE EXISTING PREFORMED JOINT SEALS AND REPLACE WITH STRIP SEALS.
5. INSTALL NEW FLOOR DRAINS IN DECK.
6. PLACE PROPOSED 2½" MICROSILICA CONCRETE OVERLAY OVER BRIDGE DECK AND 1¾" H.M.A. OVERLAY ON APPROACH PAVEMENTS AND APPROACH ROADWAY.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
BRIDGE DECK SCARIFICATION, ¾"	SQ YD	652.0
DECK SLAB REPAIR (FULL-DEPTH, TYPE I)	SQ YD	14.0
DECK SLAB REPAIR (FULL-DEPTH, TYPE II)	SQ YD	22.0
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	20.0
FLOOR DRAINS	EACH	8.0
CONCRETE REMOVAL	CU YD	6.8
REINFORCEMENT BARS, EPOXY COATED	POUND	890.0
BAR SPLICERS	EACH	10.0
CONCRETE SUPERSTRUCTURE	CU YD	7.8
PREFORMED JOINT STRIP SEAL	FOOT	100.0
STRUCTURAL REPAIR OF CONCRETE, DEPTH EQUAL TO OR LESS THAN 5"	SQ FT	90.0
H.M.A. SURFACE REMOVAL - BUTT JOINT	SQ YD	347.0
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2½"	SQ YD	652.0
BITUMINOUS MATERIALS (PRIME COAT)	GAL	77.0
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N-50	TON	42.0
HOT-MIX ASPHALT SHOULDERS, 1¾"	SQ YD	350.0
TEMPORARY RAMP	SQ YD	102.0
BRIDGE DECK GROOVING	SQ YD	620

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.

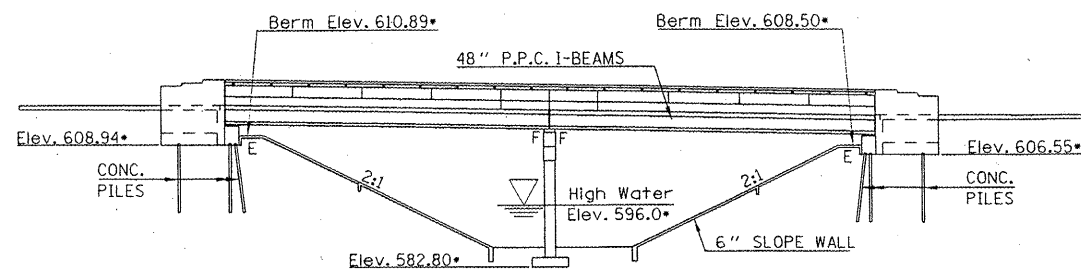
SEE SPECIAL PROVISION "DECK SLAB REPAIR" FOR ADDITIONAL REQUIREMENTS PERTAINING TO DECK SLAB REPAIR.

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.

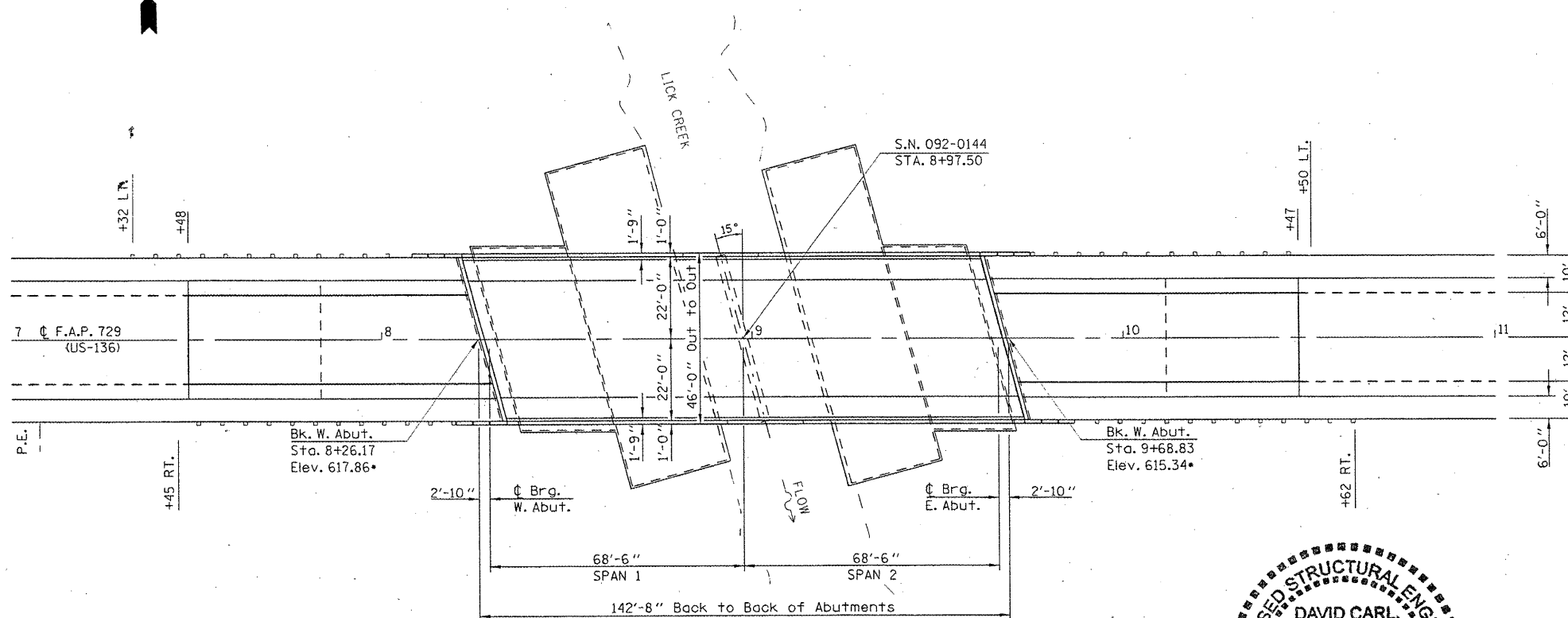
THE CONTRACTOR SHALL USE EXTREME CARE DURING CONCRETE REMOVAL SO AS NOT TO DAMAGE THE P.P.C. I-BEAM.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

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



ELEVATION



PLAN



David Carl Puzey 10/4/11
Expires 11/30/12

FILE NAME =	USER NAME = csmgm	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 092-0144	F.A.P. RTE. 729	SECTION 38BR-1	COUNTY VERMILION	TOTAL SHEETS 25	SHEET NO. 4
CONTRACT NO. 70596	SCALE:	SHEET NO. 1 OF 18 SHEETS	STA. TO STA.			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLT SCALE = 48.0000' / in.	CHECKED - KKC.	DATE	REVISED -							
PLT DATE = 6/14/2011	DATE	REVISED -								