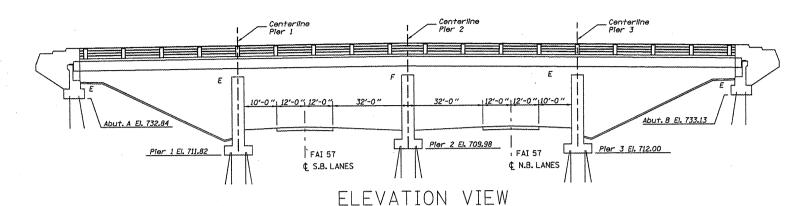
GENERAL PLAN & ELEVATION S.N. 010–0103



F.A.I. 57 STA. 403+34.43 219'-9 1/2" (BK. TO BK. ABUT.) 218'-9 1/2" (END TO END OF BRIDGE FLOOR) = LENGTH OF BRIDGE 67'-3 1/4" 40'-10" 60'-0" 67'-3 1/4" 40'-10" SPAN 4 SPAN 2 SPAN 1 ¢ PIER 2 STA. 24+88.29 88° 32′ 45 ′ ELEV. 742.45 5'-0" SHOULDER STATION 25+98.18 KIRBY AVE. 18'-0" APPROACH ROADWAY KIRBY AVE. STATION 23+78.40 ELEV. 741.62 5'-0" SHOULDER © PIER 3 STA. 24+21.02 MEDIAN STA. 25+55.56 ELEV. 742.28 ROADWAY ROADWAY ELEV. 742.10 DAVID CARL & N.B. LANES C S.B. LANES ¢ FAI 57 PUZEY 081-005470 SPRINGFIELD **HLINOIS**

PLAN VIEW

THE EXISTING OVERHEAD STRUCTURE WAS BUILT IN 1963 AS FAI ROUTE 57, SECTION (10-33HB) AT STATION 403+34.43 IN CHAMPAIGN COUNTY. THE SUPERSTRUCTURE CONSISTS OF FIVE - 30" WF 108 ROLLED STEEL BEAMS SUPPORTING A 6 1/2" R.C. DECK. THE SUPERSTRUCTURE IS SUPPORTED BY TWO PILE BENT ABUTMENTS ON CONCRETE PILES AND THREE HAMMER HEAD PIERS ON SPREAD FOOTINGS. THE EXISTING STRUCTURE MEASURES 219'-91/2" FROM BACK TO BACK OF ABUTMENTS AND 29'-8" OUT TO OUT OF DECK. THE HORIZONTAL CLEARANCE IS 24'-0" FROM FACE TO FACE OF CURB.

SEE LIST OF PROPOSED IMPROVEMENTS ON THIS SHEET.

WORK SHALL BE COMPLETED UTILIZING ROAD CLOSURE OF KIRBY AVENUE AND STAGE CONSTRUCTION OF FAI 57.

PROPOSED IMPROVEMENTS

- 1. REPAIR EXISTING CONCRETE SUPERSTRUCTURE ALONG PARAPET/ SAFETY WALK.
- 2. BRIDGE DECK SCARIFICATION, 3/4".
- 3. FULL-DEPTH DECK PATCHING.
- 4. PLACEMENT OF PROPOSED MICRO SILICA CONCRETE WEARING SURFACE.
- 5. PLUG AND/OR EXTEND EXISTING DECK DRAINS.
- 6. COMPLETE HMA PATCHING AND RUNDOWNS ON KIRBY AVENUE.
- 7. COMPLETE GUARDRAIL IMPROVEMENTS ON STRUCTURE AND KIRBY AVENUE.

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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

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 SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

PROTECTIVE COAT SHOULD BE APPLIED TO PARAPET / SAFETYWALK AREAS ONLY.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	12,3
PROTECTIVE SHIELD	SQ YD	213.0
CONCRETE SUPERSTRUCTURE	CU YD	12.3
BRIDGE DECK GROOVING	SQ YD	533.0
PROTECTIVE COAT	SQ YD	38.0
STEEL BRIDGE RAILING, TYPE 2399	FOOT	435.0
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	584.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	584.0
DECK DRAIN EXTENSIONS	EACH	8.0
PLUG EXISTING DECK DRAINS	EACH	16.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	9.7
POLYMER CONCRETE	CU FT	2.3
REINFORCEMENT BARS, EPOXY COATED	POUND	300

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STATE OF ILLINOIS.

DEPARTMENT OF TRANSPORTATION.

SCALE:

GENERAL PLAN & ELEVATION					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
S.N. 010-0103				57	(10-33HB)BDR	Champaign	27	7					
2'14' 010-0102								CONTRACT NO. 70924					
	SHEET	NO.	OF	SHEETS	STA.	TO	STA.		ILLINOIS FED. AID PROJECT				