

GENERAL PLAN & ELEVATION

S.N. 057-0064

STRUCTURE 057-0064 WAS BUILT IN 1940 AS FA ROUTE 5, SECTION 1-VB AT STATION 74+41 BY THE STATE OF ILLINOIS IN MCLEAN COUNTY. THE STRUCTURE WAS REHABILITATED IN 1987 WITH FAP ROUTE 704, SECTION 1-VBR. WITH THE REHABILITATION SECTION, THE SUBSTRUCTURE WAS RAISED TO PROVIDE ADDITIONAL VERTICAL CLEARANCE OVER THE THEN THREE EXISTING RAILROAD TRACKS AND A STEEL WIDE-FLANGE SUPERSTRUCTURE WAS PLACED.

THE EXISTING STRUCTURE IS A FIVE-SPAN STRUCTURE WITH A BACK-TO-BACK OF ABUTMENT LENGTH OF 306'-0". THE REINFORCED CONCRETE DECK HAS TWO TRAVEL LANES IN EACH DIRECTION WITH A 4'-0" BARRIER CURB BONDED MEDIAN BETWEEN. THE TOTAL DECK WIDTH IS 56'-0" FROM PARAPET TO PARAPET AND HAS AN OUT-TO-OUT WIDTH OF 59'-6". THE SUPERSTRUCTURE CONSISTS OF TEN 27" WIDE-FLANGE STEEL BEAMS SUPPORTING A 7 1/2" R.C. DECK. THE SUPERSTRUCTURE IS SUPPORTED BY TWO STUB ABUTMENTS ON CONCRETE PILES AND FOUR MULTI-COLUMN PIERS ON SPREAD FOOTINGS. THE SLOPES ARE PROTECTED WITH BITUMINOUS COATED AGGREGATE SLOPE WALLS. THE STRUCTURE LIES ON A 33° 30' RIGHT-FORWARD SKEW.

METHOD OF CONSTRUCTION: STAGE CONSTRUCTION

SEE PROPOSED IMPROVEMENTS ON THIS SHEET.

PROPOSED WORK

1. REPLACE EXISTING HATCH BLOCKS.
2. PLACE POLYMER CONCRETE NOSING IN NEW HATCH BLOCKS.
3. PERFORM PARTIAL DEPTH PATCHING ON APPROACH PAVEMENTS.
4. REPLACE EXISTING SILICONE JOINT SEALER.

TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	7.2
REINFORCEMENT BARS, EPOXY COATED	POUND	800.0
BAR SPLICERS	EACH	16
CONCRETE SUPERSTRUCTURE	CU YD	6.6
POLYMER CONCRETE	CU FT	14.2
APPROACH SLAB REPAIR (PARTIAL)	SQ YD	12.2
SILICONE JOINT SEALER, 2 1/2"	FOOT	139.0
PROTECTIVE COAT	SQ YD	21.5

GENERAL NOTES

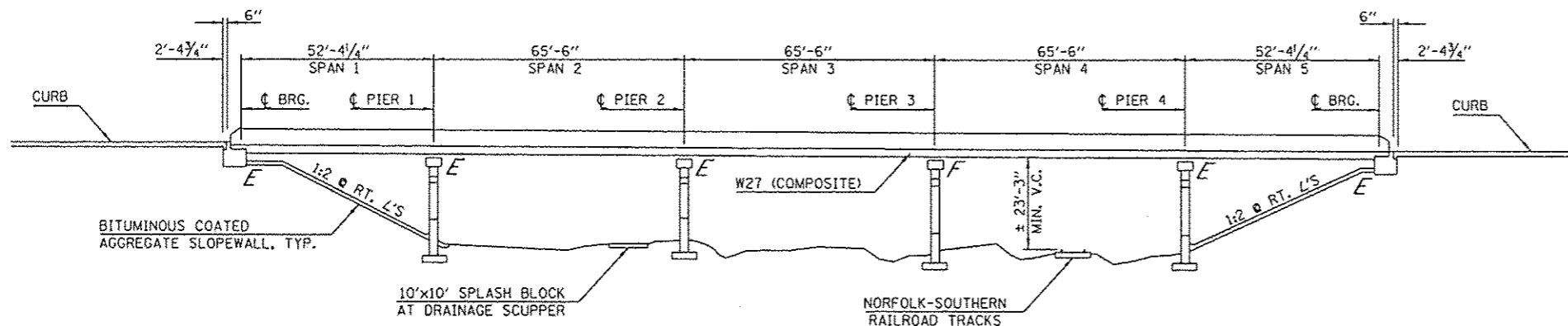
PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS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

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.

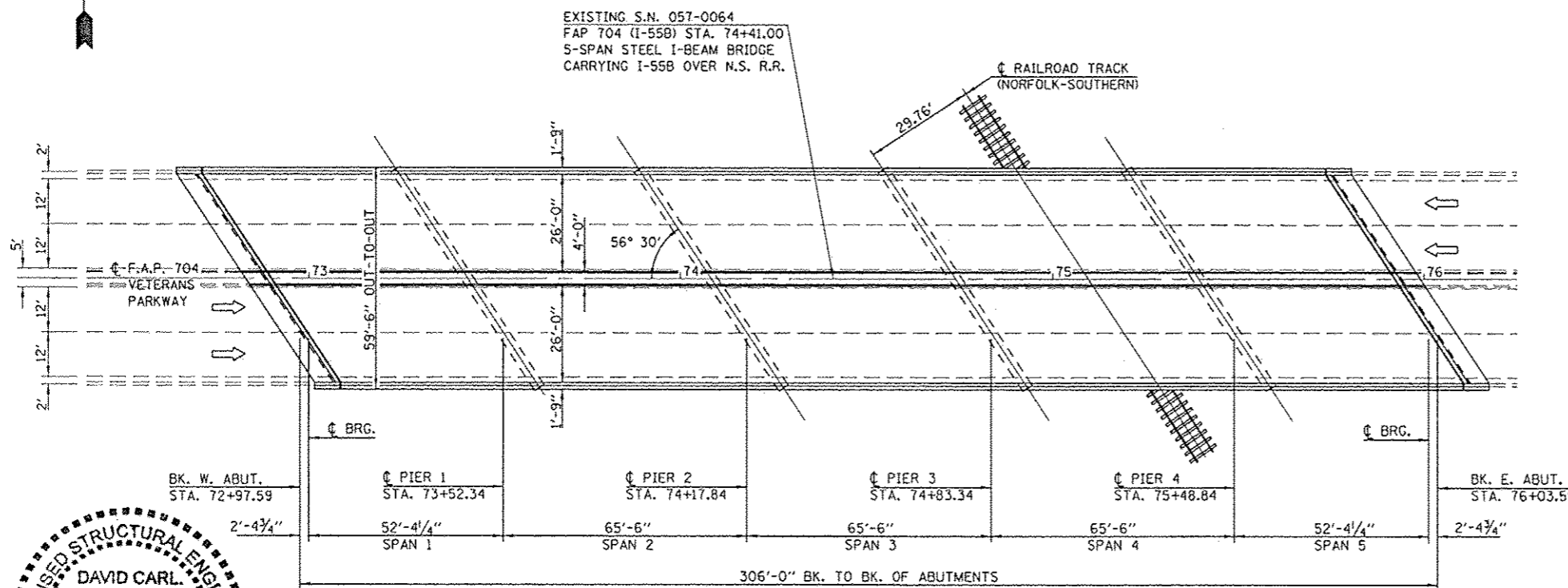
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

THE DECK SURFACE SHALL HAVE ITS FINAL FINISH TINED ACCORDING TO ARTICLE 420.09(9)(1) OF THE STANDARDS SPECIFICATIONS. COST INCLUDED WITH CONCRETE SUPERSTRUCTURE.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STD. SPECS. WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50° F.



ELEVATION



PLAN



David Carl Puzey 7/17/14
Expires 1/30/14

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GENERAL PLAN & ELEVATION S.N. 057-0064 I-55 BUSINESS LOOP OVER NORFOLK-SOUTHERN RAILROAD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\pwworkspace\puzedo\rdodgers\1082625\11091209\1082625.dwg	dodgers	DRAWN	REVISED					704	(57-71RS-1 & 1RS-3)	McLean	273	119
PLT OF SCALE	48.0000 1/2" = 1'	CHECKED	REVISED					CONTRACT NO. 70838				
PLT DATE	6/11/2014	DATE	10-29-12					SCALE:	SHEET NO. 1 OF 5 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	