

Existing Structure: Structure No. 047-0048, built under Section 13D-BR in 1984 along F.A. Route 100, is 189.67m back to back abutments and 22.10m out to out deck. The superstructure consists of 7 spans of 1.37m PPC I-beams supporting 190mm deck. The substructure consists of split thru abutments on piles and solid concrete piers keyed into rock, except Piers 4 and 5 which are supported on steel H piles. The existing structure deck shall be repaired utilizing Stage Construction.

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.

All dimensions are in millimeters (mm) except as noted.

Reinforcement bars designated (E) shall be epoxy coated.

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 PPC Deck planks.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

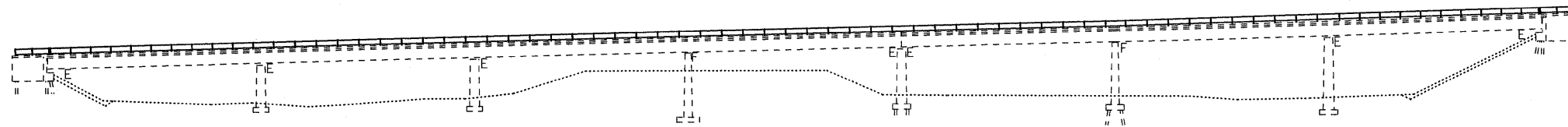
Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.

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.

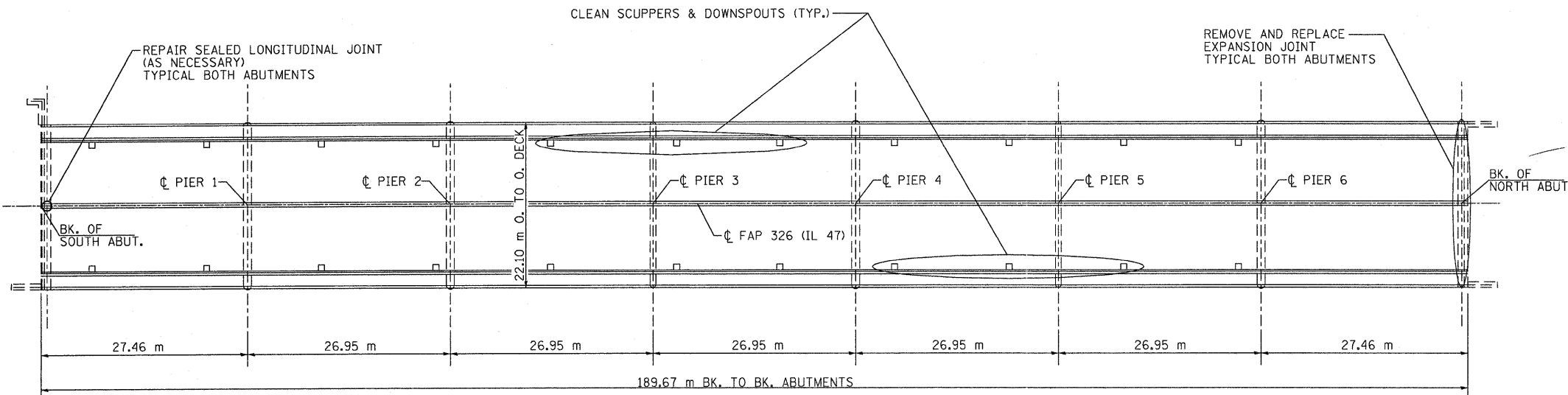
All work shall be performed during the applicable construction stage in which both northbound or both southbound lanes are closed. See roadway construction staging sheets.

Reinforcement bars shall conform to the requirements of ASSHTO M 31M, M 42M or M 53M Grade 400.

All structural steel shall be AASHTO M 270M Grade 345 except expansion joint plates and attached bars which shall be AASHTO M 270M Grade 250.



ELEVATION



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
DECK SLAB REPAIR (FULL DEPTH) TYPE I	SQ M	22		22
DECK SLAB REPAIR (FULL DEPTH) TYPE II	SQ M	37		37
CONCRETE REMOVAL	CU M	11.0		11.0
CONCRETE SUPERSTRUCTURE	CU M	11.1		11.1
REINFORCEMENT BARS EPOXY COATED	KG	970		970
PREFORMED JOINT STRIP SEAL	METER	45		45
SILICONE JOINT SEALER, 25mm	METER	2		2
CLEANING BRIDGE SCUPPERS & DOWNSPOUTS	EACH	22		22



David Carl Puze 10/11/11
Expires 11/30/12

FILE NAME =	USER NAME = dunoenbd	DESIGNED - BDD	REVISED - BDD 04/18/11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION STRUCTURE NO 047-0048			F.A.P. RTE. = 326	SECTION = (5CS,13C,108,109)R	COUNTY = KENDALL	TOTAL SHEETS = 931	SHEET NO. = 658
ct:\pw\work\p\dot\dunoenbd\08170917\192-structure repair.dgn	DRAWN - BDD	CHECKED - IJL	REVISED -		SCALE:	SHEET NO. 1 OF 7 SHEETS	STA. TO STA.	CONTRACT NO. 66671				
PLOT SCALE = 50.0000' / in.	DATE - 02/23/11	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 8/16/2011	DATE - 02/23/11	REVISED -	REVISED -									