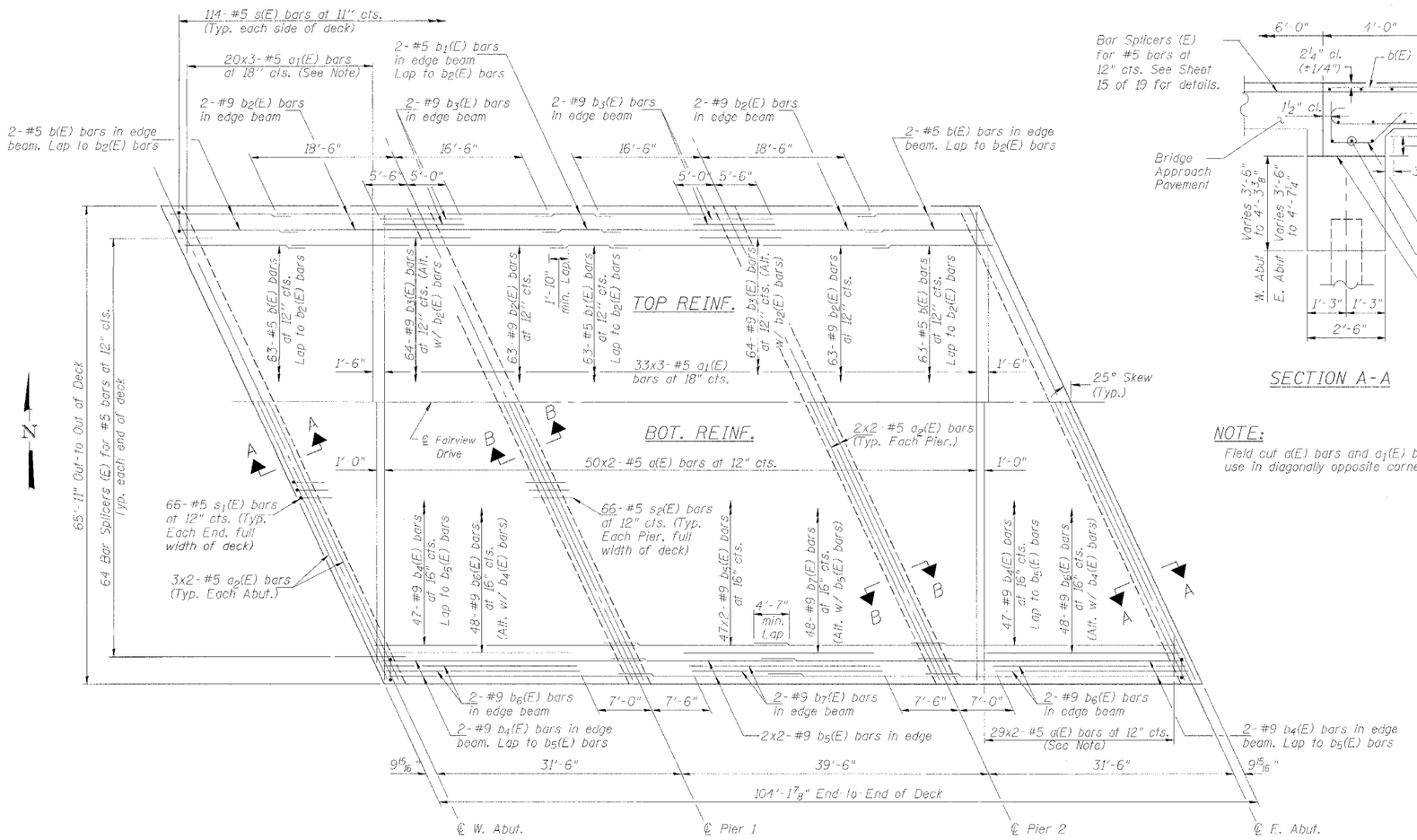
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 5345	*	DeKalb	39	19
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

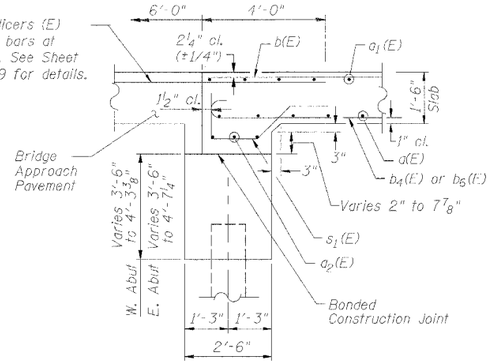
SHEET NO. 3
19 SHEETS
CONTRACT NO. 87339

* 04-00166-00-BR



DECK REINFORCEMENT PLAN

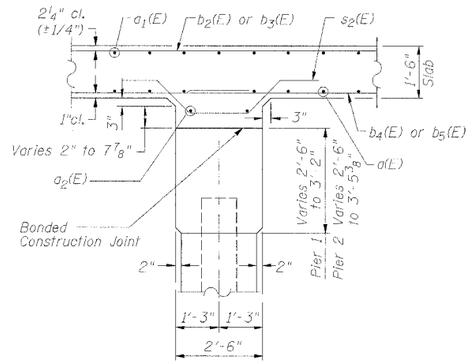
(Type F Parapet, Concrete Bridge Railing, Modified Concrete Bridge Railing, and Floor Drains not shown for clarity)



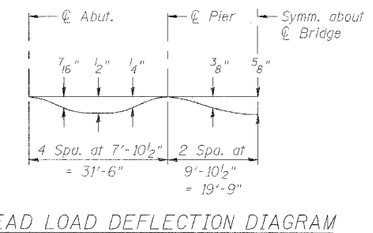
SECTION A-A

NOTE:

Field cut a(E) bars and a_1(E) bars and use in diagonally opposite corner of deck



SECTION B-B



DEAD LOAD DEFLECTION DIAGRAM

(Includes Weight of Concrete Only)

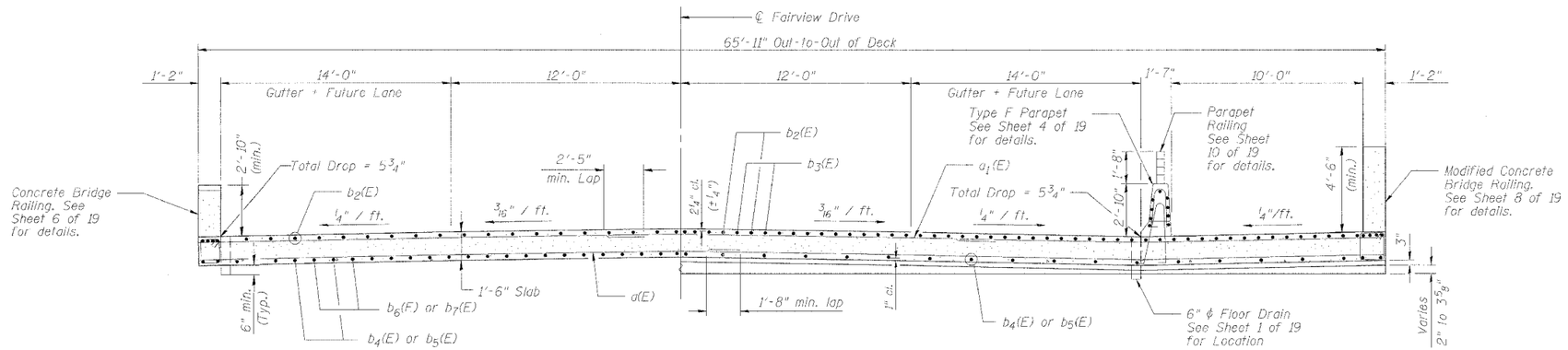
NOTES:

Reinforcement bar dsignated (E) shall be epoxy coated. Bars marked thus 3x2-#4 etc. indicates 3 lines of bars with 2 lengths per line.

The deflections shown in the Dead Load Deflection Diagram were calculated using the gross moment of inertia of the concrete slab and have been multiplied by a factor of 4 to account for long-term deflections associated with shrinkage and creep under sustained loads.

The Contractor shall make allowance for the deflection of forms, shrinkage, and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach pavement.

Work this Sheet with Sheets 4 & 5 of 19.



NEAR MIDSPAN — OVER PIERS

SECTION THRU DECK

(Looking East)

Corporate License Number 184-001-084

SUPERSTRUCTURE

FAIRVIEW DRIVE BRIDGE OVER
SOUTH BRANCH OF KISHWAUKEE RIVER
FAU 5345
SECTION 04-00166-00-BR
DEKALB, ILLINOIS
STRUCTURE NUMBER 019-6106
STATION 18+34.34

© Copyright Hanson Professional Services Inc. 2007

HANSON

JOB NO. 06R1555

DATE 11/05/07

LAYOUT	MRH	01/09/07
DRAWN	MRH	10/15/07
REVIEWED	JR	10/15/07

10:38:0 PM
10/29/2007
N:\06Jobs\06R1555\Cad\Struct\Sheets\S-0403-SUPERST.Rdgn