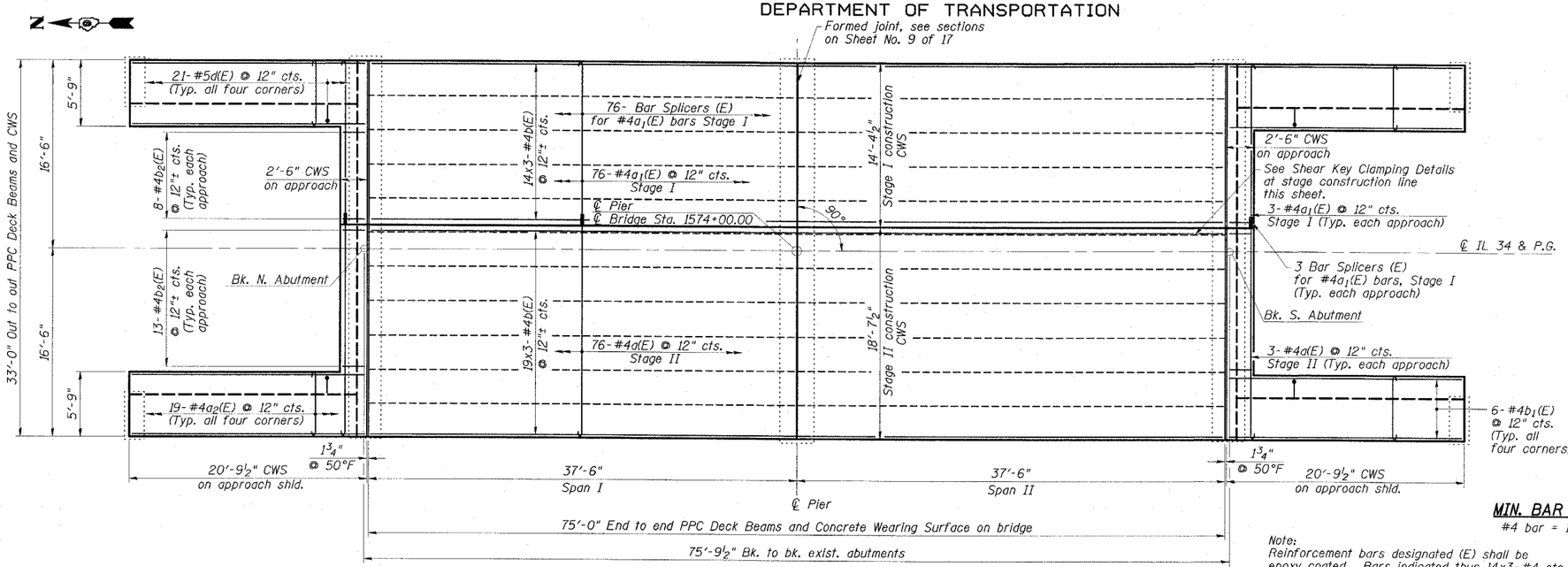
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 869	105BR-3	SALINE	118	87
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT- AID		

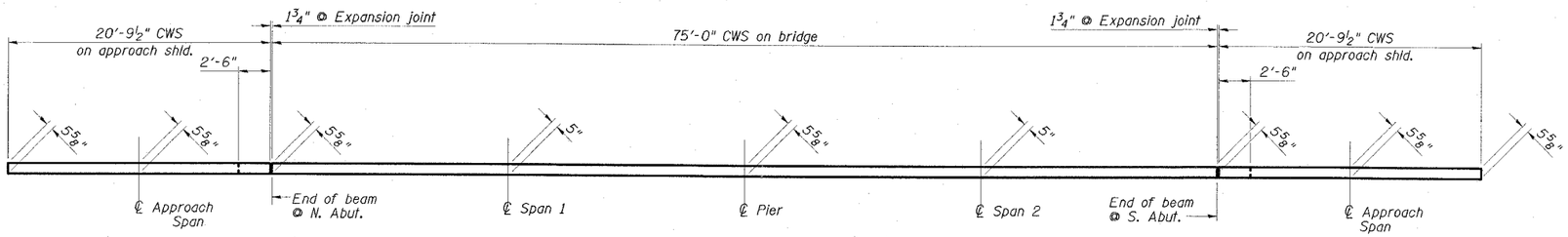
SHEET NO. 5
17 SHEETS

78031

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN - WEARING SURFACE



REINFORCED CONCRETE WEARING SURFACE PROFILE

(At edge of bridge deck)

Note:
Greater thickness is required at centerline of superstructure to conform to cross section slopes shown on Sheet No. 7 of 17.

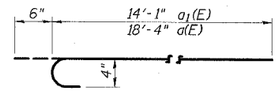
CONCRETE WEARING SURFACE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	82	#4	18'-10"	⊂
a_1(E)	82	#4	14'-7"	⊂
a_2(E)	76	#4	6'-5"	⊂⊃
b(E)	99	#4	26'-0"	—
b_1(E)	24	#4	20'-5"	—
b_2(E)	42	#4	2'-2"	—
d(E)	84	#5	2'-4"	⌐
Reinforcement Bars, Epoxy Coated			Pound	4480
Concrete Wearing Surface, 5"			Sq. Yd.	341
Bridge Deck Grooving			Sq. Yd.	315
Bar Splicers			Each	82
Protective Coat			Sq. Yd.	341

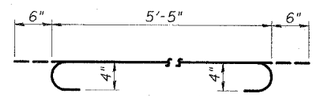
MIN. BAR LAP

#4 bar = 1'-8"

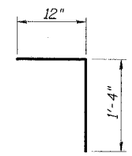
Note:
Reinforcement bars designated (E) shall be epoxy coated. Bars indicated thus 14x3-#4 etc. indicates 14 lines of bars with 3 lengths per line. For remainder of superstructure details, see Sheet Nos. 6 thru 9 of 17.



BARS d(E) & a_1(E)

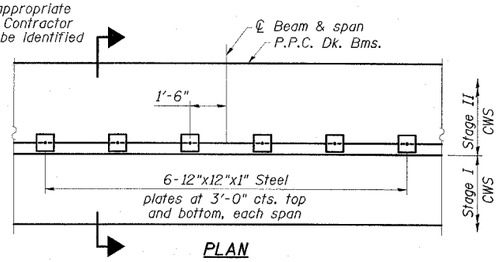


BAR a_2(E)

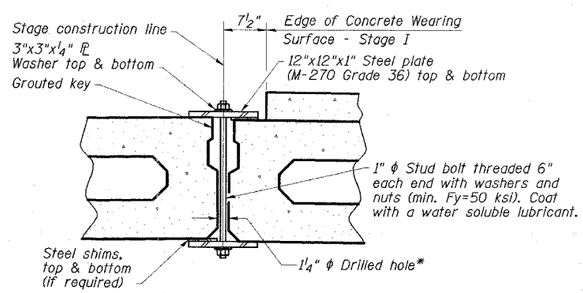


BAR d(E)

* As an alternate to the drilled holes, the Contractor may request the Fabricator to cast 2" diameter semi-circular recesses in the sides of each beam adjacent to the stage construction line. These recesses should align to form a hole at the appropriate location for the clamping device bolts. If the Contractor elects to use this alternate, the details shall be identified on the shop drawings.

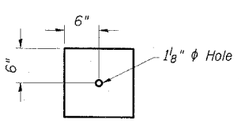


PLAN



SECTION

SHEAR KEY CLAMPING DETAILS



CLAMPING PLATE

Notes:
See Stage Construction Details for traffic lanes.
Cost is included with Precast Prestressed Concrete Deck Beams.

ESCA CONSULTANTS, INC.		
DESIGNED BY:	ELH	02/08
DRAWN BY:	HAS	02/08
CHECKED BY:	ELH	02/08
APPROVED BY:	RDP	02/08

SUPERSTRUCTURE
IL 34 OVER BANKSTON FORK AND SALINE RIVER OVERFLOW
FAP ROUTE 869 - SECTION 105BR-3
SALINE COUNTY
STATION 1574+00.00
STRUCTURE NO. 083-0039