STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION 45-#4a₁(E) © 12" cts. 6x3-#4b₁(E) Stage I © 12" cts. 6-#4b₂(E) at 45-Bar Splicers (E) for #4a₁(E) bars Stage I 3-#4a₁(E) Stage I See Shear Key Clamping Details at stage construction line this sheet. 2'-0" CWS & Bridge Sta. 1060+46.00 on approach 90, Bk. E. Abutment 3-Bar Splicers (E) for #4 a₁(E) bars Stage I Deck 11 Bk. W. Abutment on approach Formed joint, see sections 45-#4a(E) @ 12" cts. on Sheet No. 9 of 16 3-#4a(E) Stage II Stage II 19-#4a₂(E) at 18-#4a₂(E) at 12" cts. (Typ. east side) 6x3-#4b₁(E) © 12" cts. 12" cts. (Typ. west side 1³4" @ 50°F 20'-11'2" CWS 42'-3³4" End to end PPC Deck Beams 20'-0" CWS on approach shid. and Concrete Wearing Surface on bridge on approach shid. 43'-0" Bk. to bk. exist. abutments PLAN-WEARING SURFACE 42'-3³4" End to end PPC Deck Beams 20'-11'2" CWS 20'-0" CWS on approach shid. Concrete Wearing Surface on bridge on approach shid. End of beam End of beam Approach **₡** Span W. Abut. 🛭 Approach @ E. Abut. -REINFORCED CONCRETE WEARING SURFACE PROFILE (At edge of bridge deck) 7¹2", Edge of Concrete Wearing



78034

CONCRETE WEARING SURFACE BILL OF MATERIAL

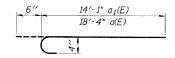
SHEET NO. 5

16 SHEETS

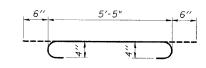
Bar	No.	Size	Length	Shape
a(E)	48	#4	18'-10"	<u></u>
a _I (E)	48	#4	14'-7"	
a ₂ (E)	74	#4	6′-5"	
b(E)	44	#4	23'-0"	
b1 (E)	36	#4	21'-10"	
b2(E)	12	#4	20'-8"	
b3(E)	22	#4	1'-8"	
				CONTRACT VARIANCE
Reinforcement Bars, Epoxy Coated			Pound	2780
Concrete Wearing Surface, 5"			Sq. Yd.	217
Bridge Deck Grooving			Sq. Yd.	199
Bar Splicers			Each	48
Protective Coat			Sq. Yd.	217

MIN. BAR LAP #4 bar = 1'-8"

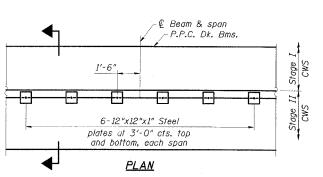
Note: Reinforcement bars designated (E) shall be epoxy coated. Bars indicated thus 13x2-#4 etc. indicates 13 lines of bars with 2 lengths per line. For remainder of superstructure details, see Sheet Nos. 6 thru 9 of 16.



BARS a(E) & a1(E)



BAR a₂(E)



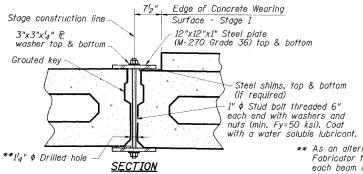
CONSULTANTS, INC.

DESIGNED BY: ELH 02/08

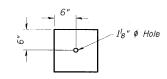
 DRAWN BY:
 HAS
 02/08

 CHECKED BY:
 JMS
 02/08

 APPROVED BY:
 RDP
 02/08



SHEAR KEY CLAMPING DETAILS



Greater thickness is required at centerline of superstructure to conform to cross section slopes shown on Sheet No. 7 of 16.

CLAMPING PLATE

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

** 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 bolls. If the Contractor elects to use this alternate, the details shall be identified on the shop drawings.

SUPERSTRUCTURE

IL 149 OVER TILLEY CREEK

FAP ROUTE 873 - SECTION 107BR-1

FRANKLIN COUNTY

STATION 1060+46.00

STRUCTURE NO. 028-0040