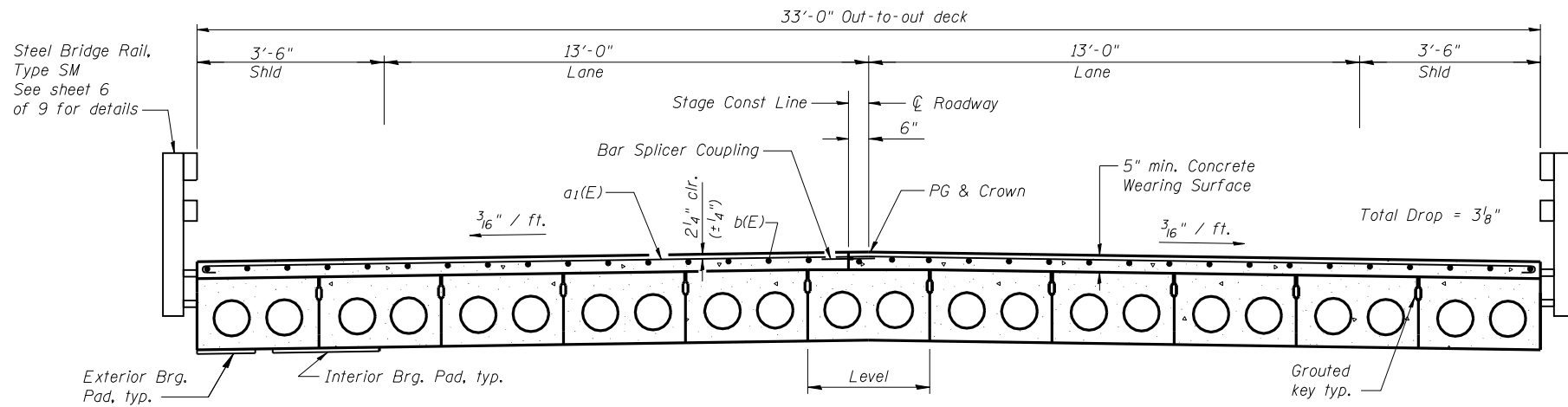


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 502	54BR-1	ADAMS	28	18
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

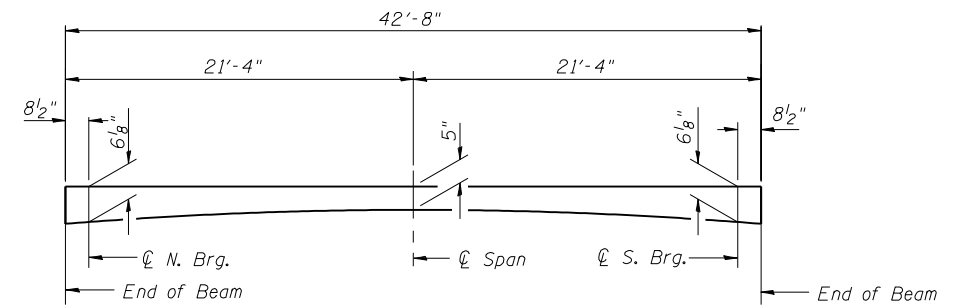
SHEET NO. 4
9 SHEETS

Contract #72873



11 - 17" x 36" Precast Prestressed Concrete Deck Beams = 33'-0"

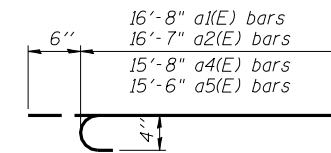
CROSS SECTION



REINFORCED CONCRETE WEARING SURFACE PROFILE @ EDGE OF DECK

Note:

The depth of Concrete Wearing Surface at ϕ of roadway over level deck beam is $5/16$ " higher.



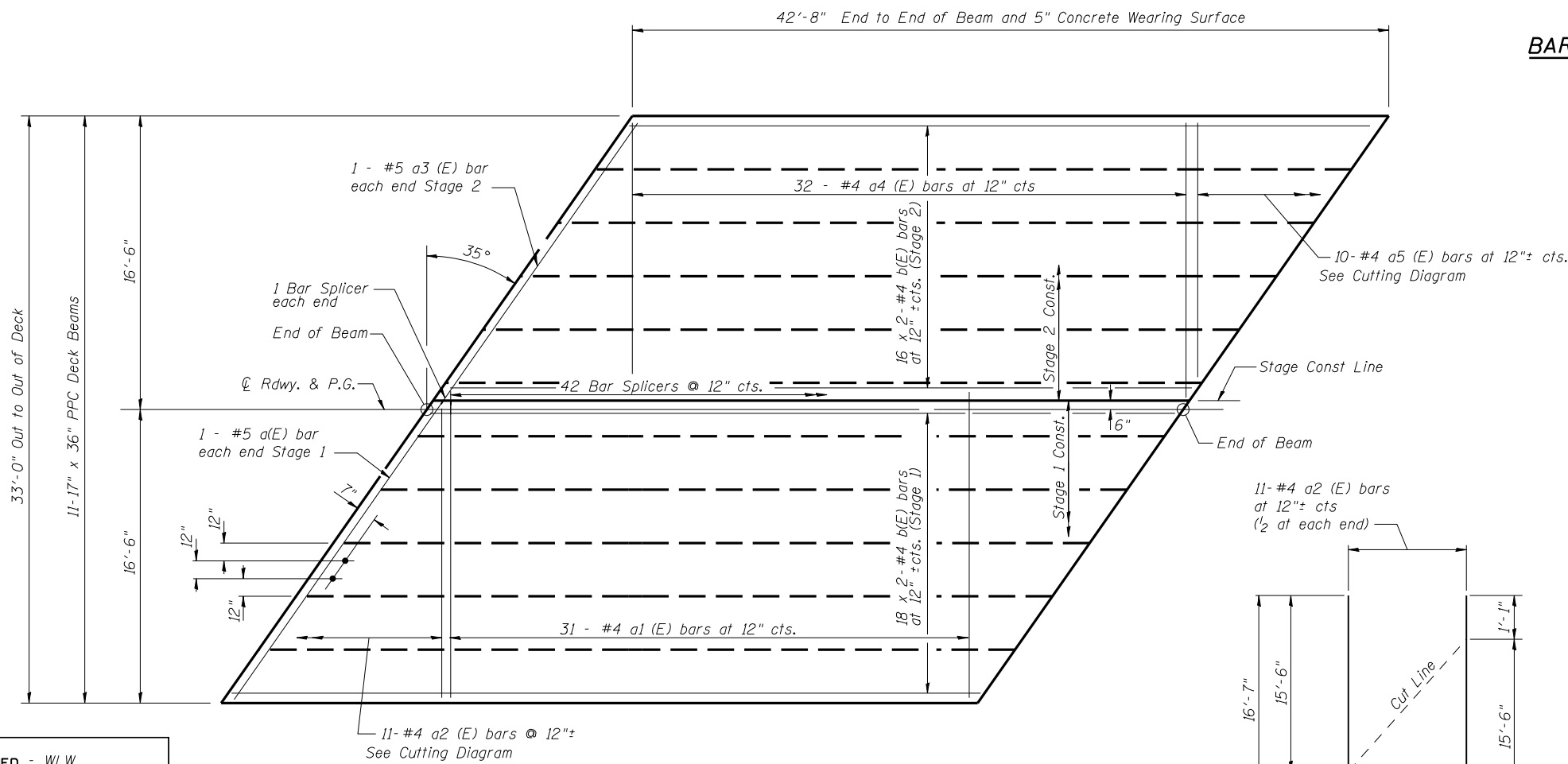
BAR a1 (E), a2(E), a4(E), & a5 (E)

**SUPERSTRUCTURE
BILL OF MATERIAL**

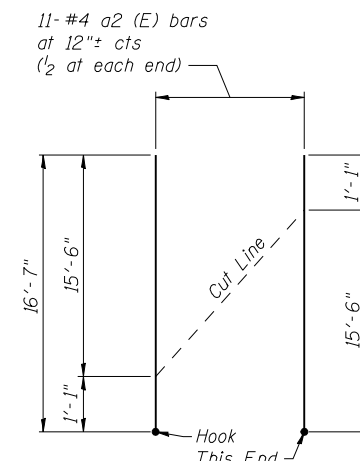
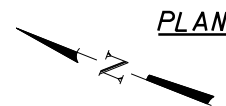
Bar	No.	Size	Length	Shape
a(E)	2	#5	20'-4"	—
a1(E)	31	#4	17'-2"	C
a2(E)	11	#4	17'-1"	C
a3(E)	2	#5	19'-1"	—
a4(E)	32	#4	16'-2"	C
a5(E)	10	#4	16'-0"	C
b(E)	68	#4	22'-0"	—
Reinforcement Bars, Epoxy Coated			Pound	2015
Concrete Wearing Surface, 5"			Sq. Yd.	157
Bar Splicers			Each	44

Notes:

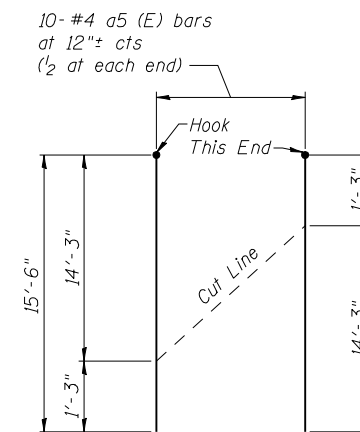
Bars indicated thus 32 x 2-#4 etc. indicates 32 lines of bars with 2 lengths per line. After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min 24 hrs. prior to grouting the shear keys. Dowel rods are included in the cost of Precast Prestressed Concrete Deck Beams (17" Depth). Longitudinal keys shall be grouted. Minimum Bar Lap #4 Bar = 1'-8"



DESIGNED - WLW
CHECKED - ADL
DRAWN - BGJ
CHECKED - ADL



a2 (E) Cutting Diagram



a5 (E) Cutting Diagram

SUPERSTRUCTURE
F.A.P 502 ROUTE IL 57 SEC. 54BR-1
ADAMS COUNTY
STATION 114+75.00
STRUCTURE NO. 001-0014

7/2/2007

\$FILE\$