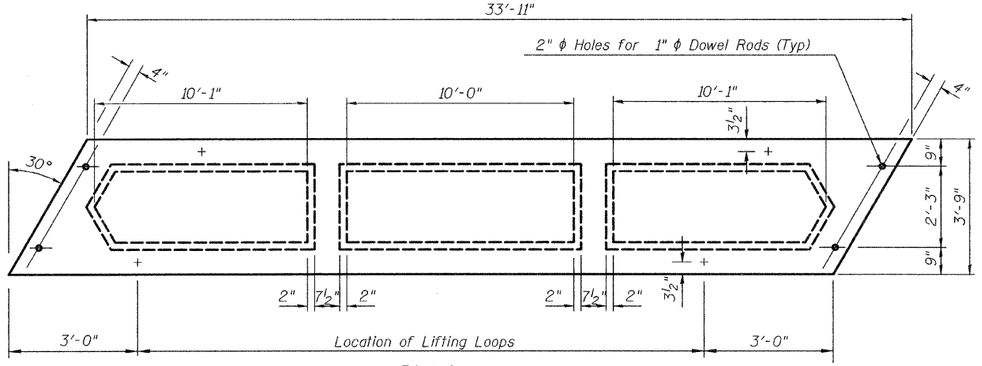
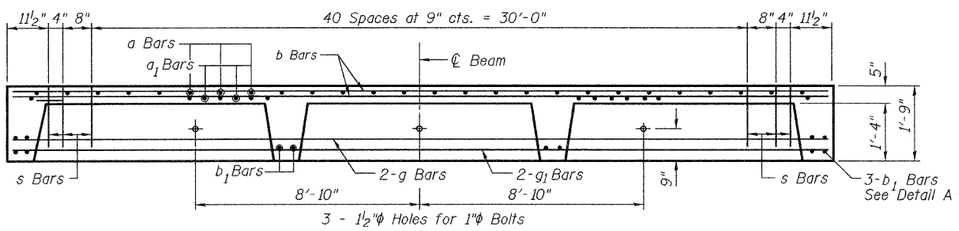
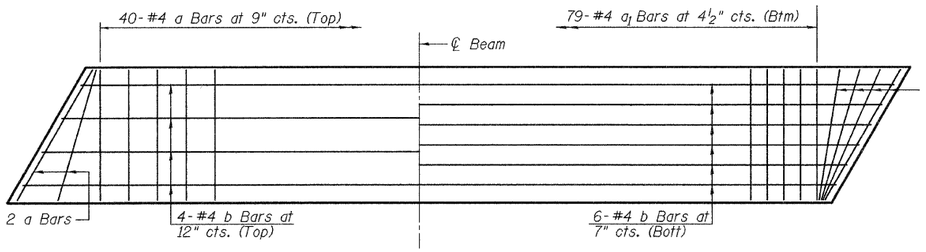


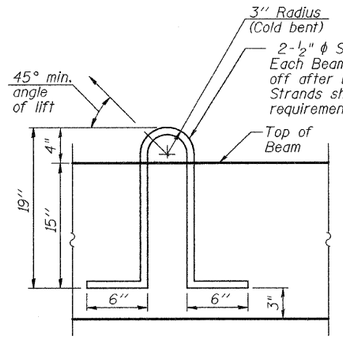
PLAN



LONGITUDINAL SECTION

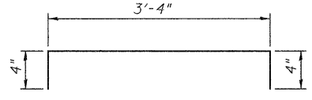


SLAB REINFORCEMENT

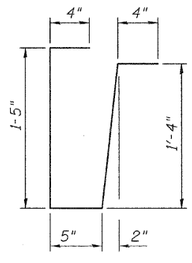


LIFTING LOOP DETAIL

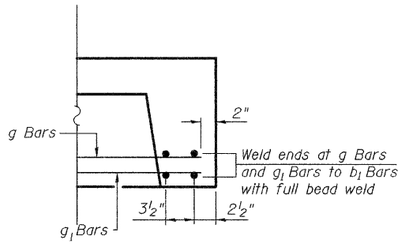
Approved alternate may be substituted for the above.



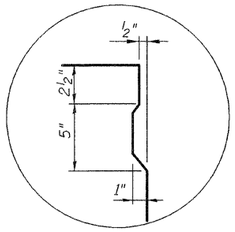
a BAR



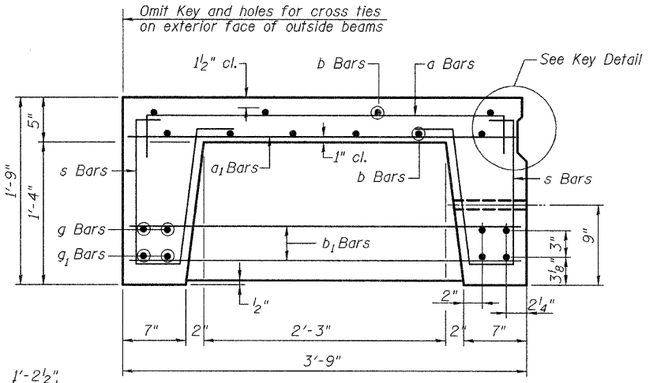
s BAR



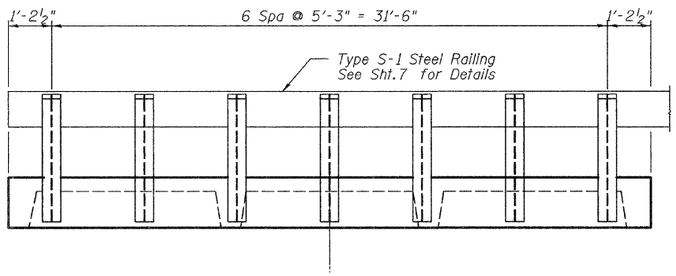
DETAIL A



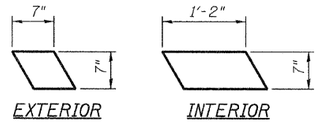
KEY DETAIL



TYPICAL SECTION

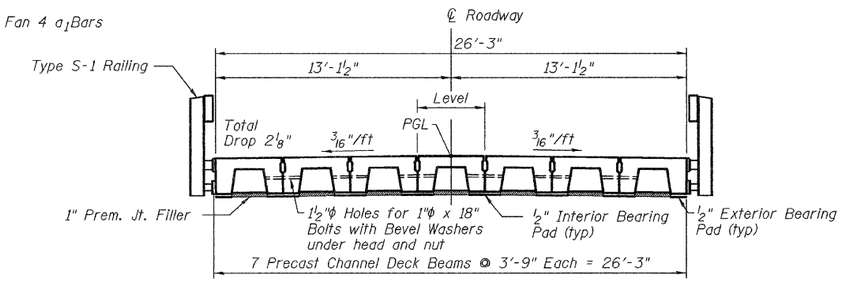


OUTSIDE BEAM POST SPACING DETAIL



BEARING PADS

(1/2" - 4 Required - Exterior)
(1/2" - 12 Required - Interior)



TYPICAL CROSS SECTION

BAR LIST
ONE BEAM ONLY

(For information only)

Bar	No.	Size	Length	Shape
a	44	#4	4'-0"	⌐¬
a_1	87	#4	3'-3"	—
b	10	#4	33'-6"	—
b_1	12	#4	3'-6"	—
g	4	#10	33'-7"	—
g_1	4	#11	33'-7"	—
s	90	#3	3'-10"	⌐⌐

NOTES

The units shall remain on the bottom supporting forms until the concrete has attained a compressive strength of not less than 3,500 pounds per square inch.

This work shall be done and paid for in accordance with Section 504 of the Standard Specifications effective January 1, 2007. In case of conflict these notes shall take precedence.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set.

Space reinforcement to miss holes for dowel rods.

Reinforcement bars shall conform to ASTM A 706, Grade 60. See Special Provisions.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

Unless otherwise approved by the Engineer, lifting loops shall be ½" ϕ non-galvanized high strength stress relieved wire strands. A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

Cost of reinforcement and accessories cast into slab unit, of bearing pads, furnishing, drilling for, placing and grouting anchor dowels, of furnishing and assembling of 1"ϕ bolts and of grouting longitudinal shear key is included in the Unit bid price for "Precast Concrete Bridge Slab."

Tack welding of stirrups to longitudinal reinforcement bars will not be permitted except as otherwise authorized in writing by the Engineer.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Concrete Bridge Slab	Sq. Ft.	890

21" x 45" PRECAST CONCRETE BRIDGE SLAB
STRUCTURE NO. 070-4334

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR99A	03-03126-00-BR	MOULTRIE	14	6
		CONTRACT NO. 95636		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

THE UPCHURCH GROUP, INC.

TUG PROJ. NO.: 6107065 PLOT DATE: 2/9/2011 11:04:38 AM FILE NAME: ...\0704334-006-DeckBeam21.dgn