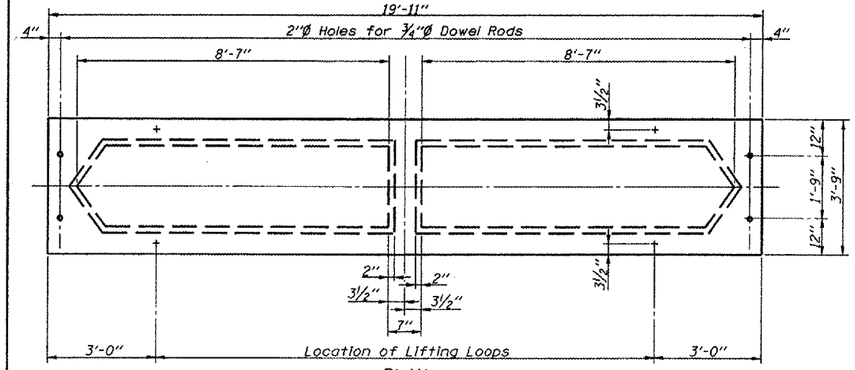
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 702	(113B)I	WOODFORD	38	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

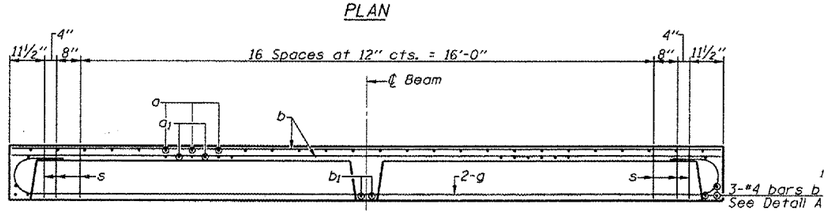
SHEET NO. 4 OF 14 SHEETS

Contract No. 68635

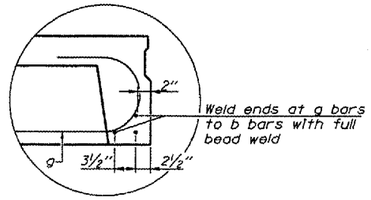
Note: Tack welding of stirrups to bottom longitudinal reinforcement bars will not be permitted except as otherwise authorized in writing by the Engineer.



PLAN



LONGITUDINAL SECTION



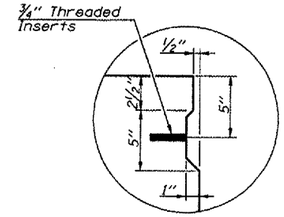
DETAIL A

The surface of the member shall not deviate more than 1/1200 of the full length of the member from a straight line connecting the two end points on the member's surface. In addition to State inspection and prior to erection, the beam shall be tested and approved by the resident Engineer at the jobsite.

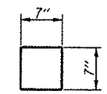
The units shall remain on the bottom supporting forms until the concrete has attained a compressive strength of not less than 3,500 pounds per square inch.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two ⅛" fabric adjusting shims of the dimensions shown shall be provided for each bearing.

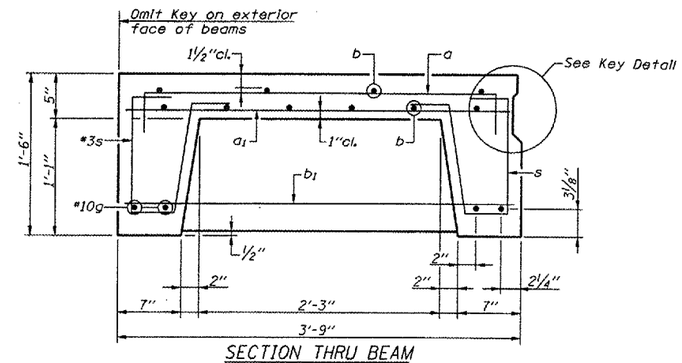
** Joint shall be filled with non-shrink grout. Dimension may vary to accomodate tolerance in beam lengths.



KEY DETAIL

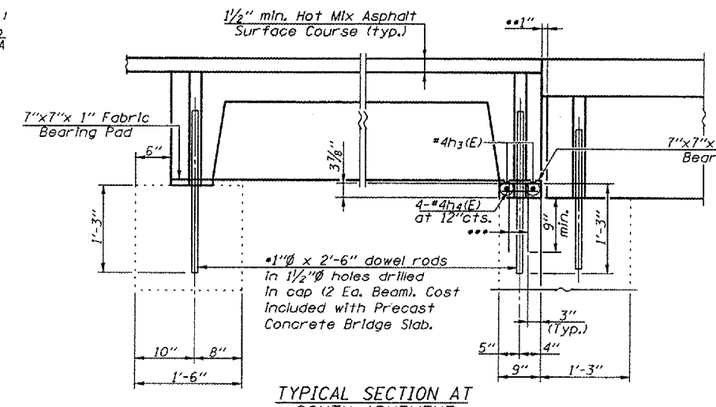


BEARING PADS
(1" - 8 Required)
(¼" - 8 Required)



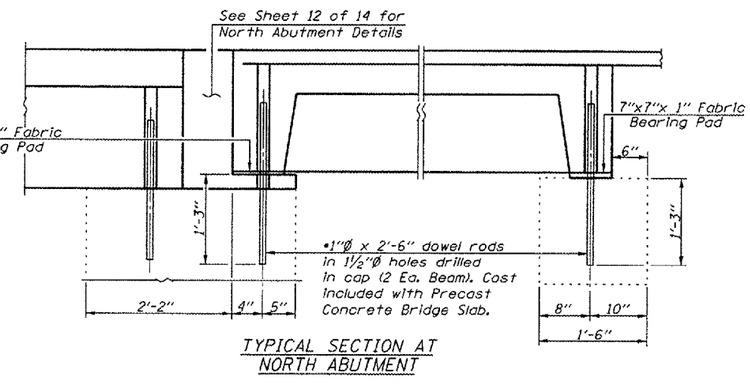
SECTION THRU BEAM

* Existing Dowel Rods shall be cut off and ground flush with the top of the existing concrete. Cost to be included in the cost of "Removal of Existing Superstructures". New Dowel Rods shall be routed after beams are in place and allowed to cure a minimum of 24 hours prior to pouring the new approach.

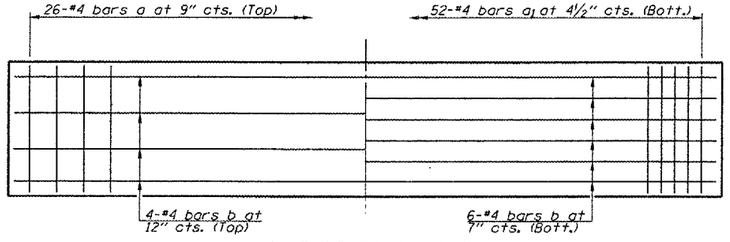


TYPICAL SECTION AT SOUTH ABUTMENT

*** 8-#4v1(E) bars at 12" cts. Drill & grout bars in accordance with Article 584 of the Standard Specifications.

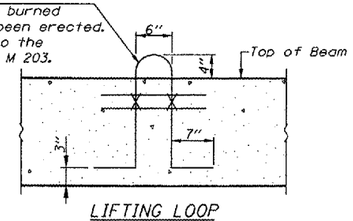


TYPICAL SECTION AT NORTH ABUTMENT



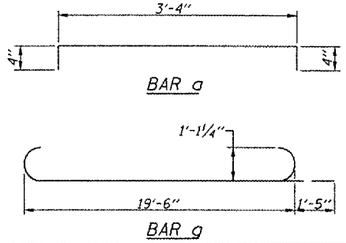
SLAB REINFORCEMENT

2-½"Ø Strands/Loop. 2 - Ea. End. Each Beam Loop shall be burned off after beams have been erected. Strands shall conform to the requirements of AASHTO M 203.



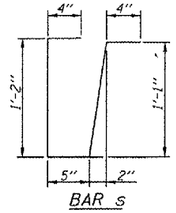
LIFTING LOOP

Approved alternate may be substituted for the above.



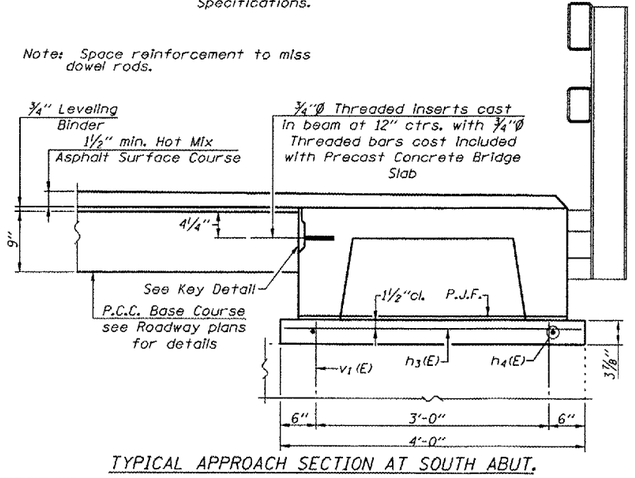
BAR a

BAR g

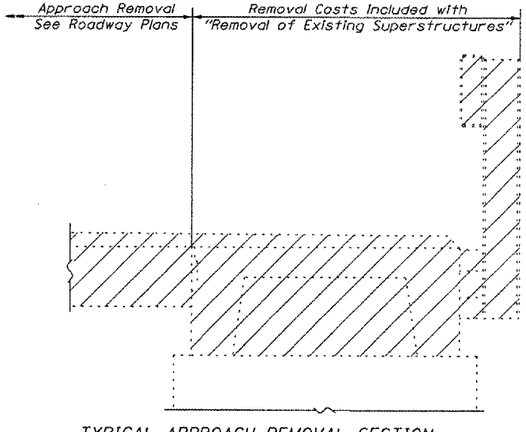


BAR s

Note: Space reinforcement to miss dowel rods.



TYPICAL APPROACH SECTION AT SOUTH ABUT.



TYPICAL APPROACH REMOVAL SECTION

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h3(E)	4	#4	3'-8"	———
h4(E)	8	#4	0'-6"	———
v1(E)	16	#4	0'-11"	———
Concrete Structures			Cu. Yd.	0.1
Precast Concrete Bridge Slab			Sq. Ft.	299
Reinforcement Bars, Epoxy Coated			Pound	30

APPROACH DETAILS
IL ROUTE 117 OVER
WALNUT CREEK
F.A.P. RTE. 702 - SECTION (113B)I
WOODFORD COUNTY
STA. 15+45.00
S.N. 102-0018

FILE NAME: STRUCTURE PLANS (REV. 12/7/06)

ALLEN HENDERSON & ASSOCIATES, INC. CONSULTING CIVIL AND STRUCTURAL ENGINEERS SPRINGFIELD, IL. PHONE: (217) 544-8033