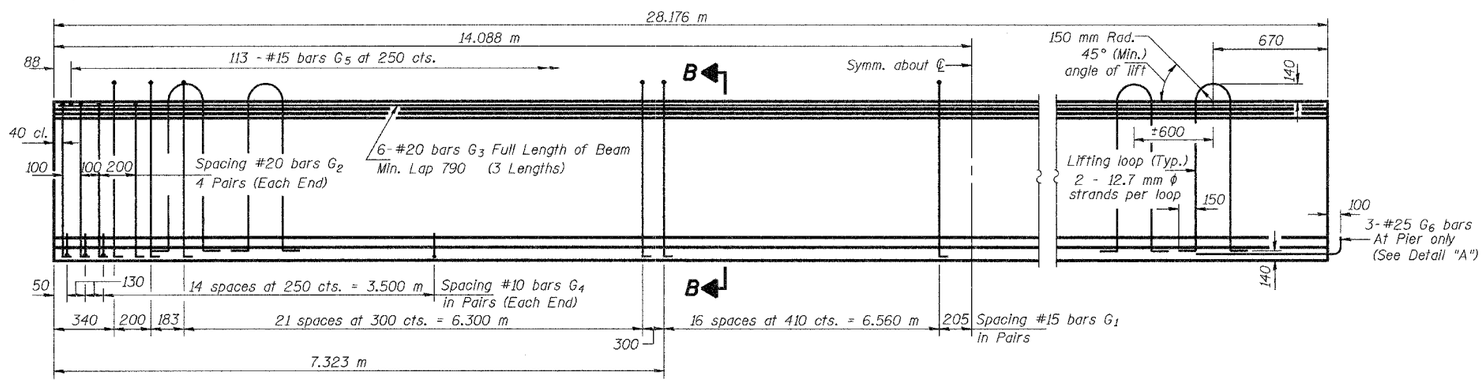
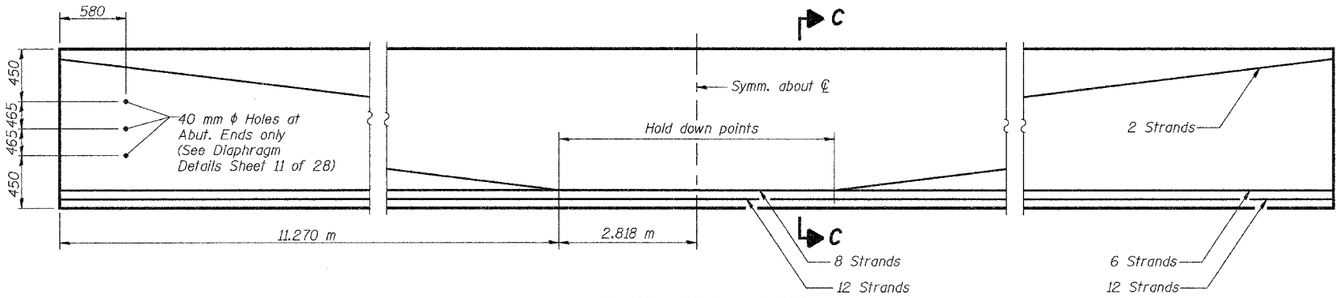
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

68201

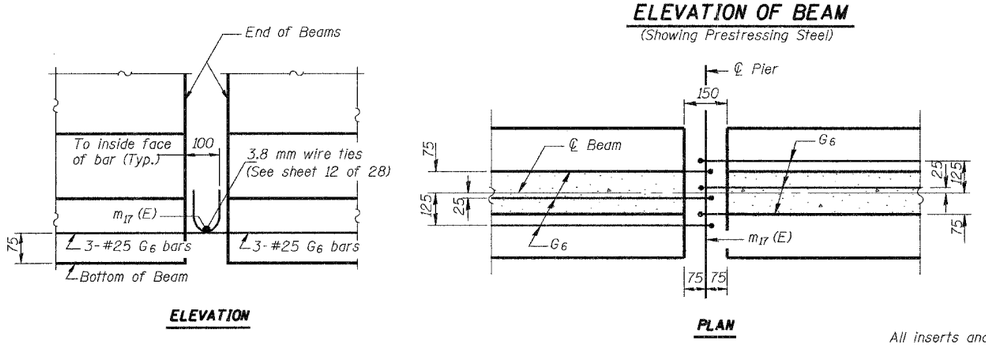
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	(90-14HB)BR	TAZEWELL	1366	532
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		



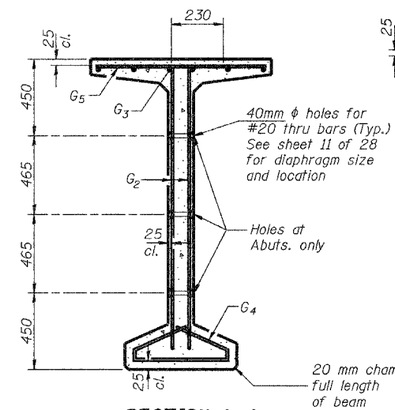
ELEVATION OF BEAM
(Showing Reinforcement & Dimensions)



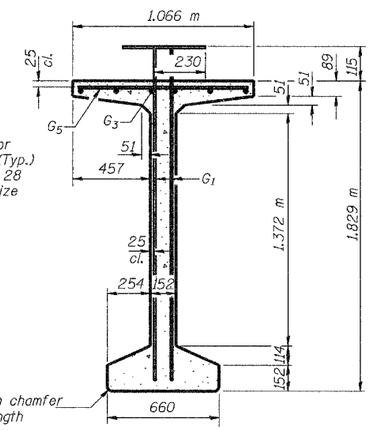
ELEVATION OF BEAM
(Showing Prestressing Steel)



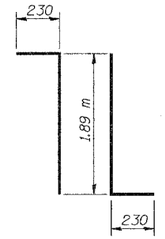
DETAIL "A"



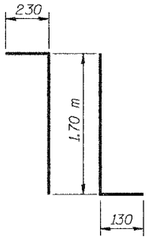
SECTION A-A



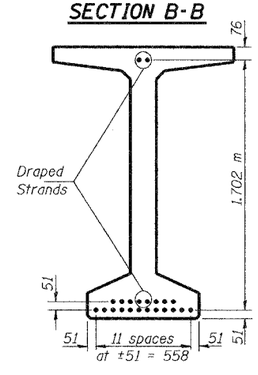
SECTION B-B



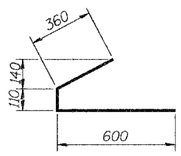
BAR G1



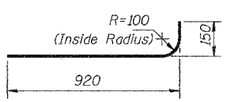
BAR G2



SECTION C-C



BAR G4



BAR G6

* BAR LIST

Bar	No.	Size	Length (m)	Shape
G1	164	#15	2.35	7L
G2	16	#20	2.06	7L
G3	18	#20	9.90	—
G4	68	#10	1.07	⌐
G5	113	#15	1.01	—
G6	3	#25	1.07	⌒

* For one beam only.

NOTES

All inserts and threaded dowel rods for inserts, reinforcing and Prestressing Steel, and other items which are cast into the Precast Concrete Bulb T-Beams shall be included in the contract unit price per meter of Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 1829 mm.

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand (Fu = 1860 MPa).

The nominal diameter shall be 12.7 mm and the nominal cross-sectional area shall be 98.71 mm².

Non-prestressing steel shall conform to AASHTO designation M-31M or M-322M, Grade 400.

Lifting loops shall be 2 - 12.7 mm ϕ strands (Fu = 1860 MPa), as shown.

Required release strength, f'ci, shall be 35 MPa.

Reinforcement bars designated (E) shall be epoxy coated.

All dimensions are in millimeters (mm) except as noted.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 1829 mm	m	169.1

BEAM DETAILS - SPAN 1

Date	Designed	ACW	INTERSTATE 74 AND RAMPS L-1 AND L-4 OVER E. WASHINGTON STREET F.A.I. RTE. 74 SECTION (90-14HB)BR TAZEWELL COUNTY STATION 153+868.540 STRUCTURE NO. 090-0163 (WB)	Sheet No. 15 of 28
Revisions	Drawn	BKN		
	Checked	ACW		
	Approved	KWB		
Prepared By: URS	3040 North University Avenue Decatur, Il. 62526			URS Job No. 2100001243.01

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