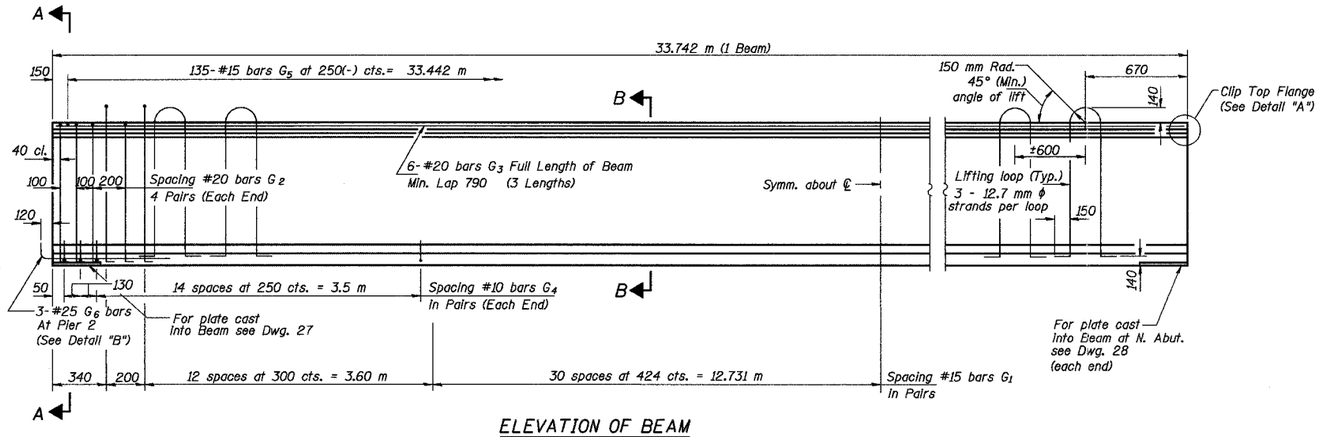
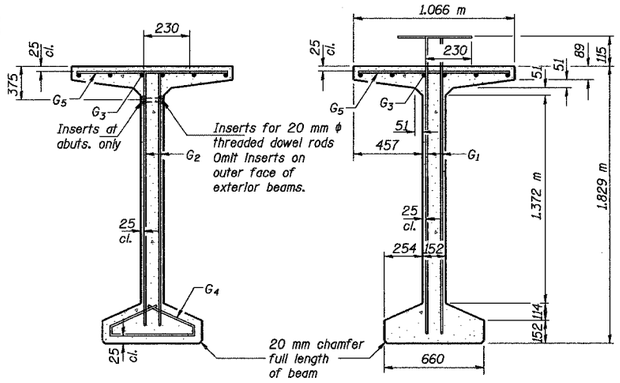
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	468	1360
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 68200

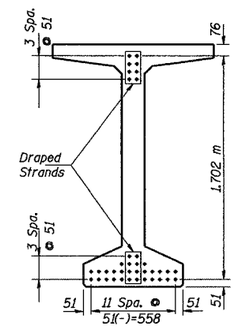


ELEVATION OF BEAM
(Showing Reinforcement & Dimensions)

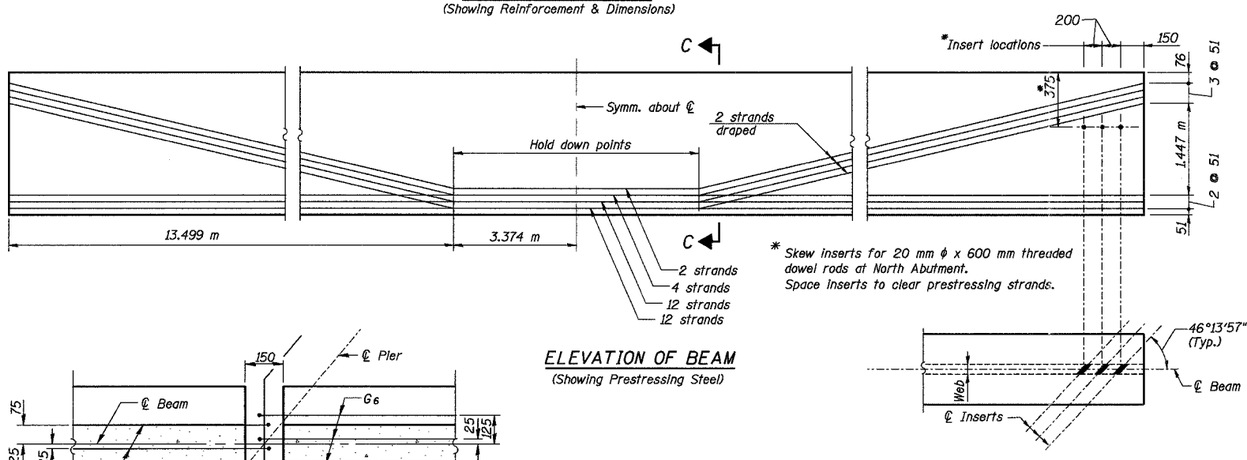


SECTION A-A

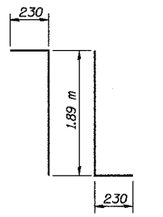
SECTION B-B



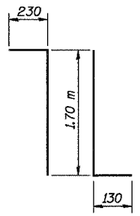
SECTION C-C



ELEVATION OF BEAM
(Showing Prestressing Steel)



BAR G_1

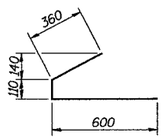


BAR G_2

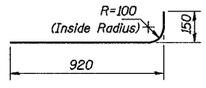
* BAR LIST

Bar	No.	Size	Length (m)	Shape
G_1	174	#15	2.35	7L
G_2	16	#20	2.06	7L
G_3	18	#20	11.80	——
G_4	68	#10	1.07	⊂
G_5	135	#15	1.01	——
G_6	3	#25	1.07	⊃

* For one beam only.



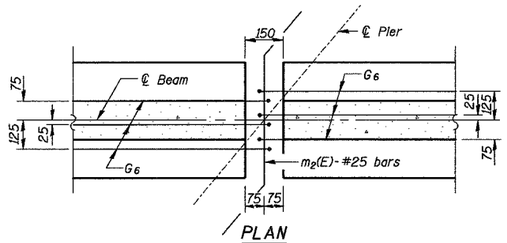
BAR G_4



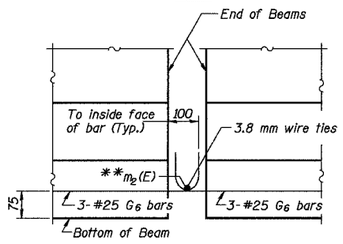
BAR G_6

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 1829 mm	m	33.74



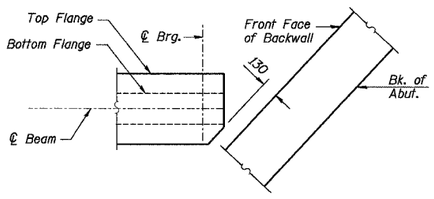
PLAN



ELEVATION

DETAIL "B"

** Tie #25 m_2(E) with 3.8 mm wire tightly fastened to prevent any movement between bars.



DETAIL "A"

Notes:

1. 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".
2. Inserts for 20 mm ϕ threaded dowel rods are to be two strut, coil type for interior beams and single coil, flared loop type for exterior beams.
3. 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.
4. Required release strength, f'ci, shall be 35 MPa.
5. Non-prestressing steel shall conform to AASHTO designation M 31M, M 42M or M 53M Grade 400.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. Lifting loops shall be 3 - 12.7 mm ϕ strands (Fu = 1860 MPa), as shown.
8. All dimensions are in millimeters (mm) except as noted.

REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1829 mm PPC BULB T-BEAM - FLARED BEAM NO. 12 SPAN 4

RAMPS B-1 AND B-4 OVER F.A.I. ROUTE 74 (I-74)
RAMPS A-3 AND B-3

F.A.I. ROUTE 74 SECTION (72-7) R-3 PEORIA COUNTY
STATION 10+779.03 STRUCTURE NUMBER 072-0183

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
25	N.T.S.	2-18-03	25

Designed by:	AMK
Checked by:	WEE
Drafted by:	FTE/JMG
Checked by:	WEE

Filename=P:\643996\structural\072-0183\Sheet\Tracings\SD0010-1A07208B3.dgn
Date: 11/19/2004 Time: 10:04:13 AM