

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE SHEETS	SHEET NO.
		WILL	14 10	3 SHEETS
62900				

**GENERAL NOTES**

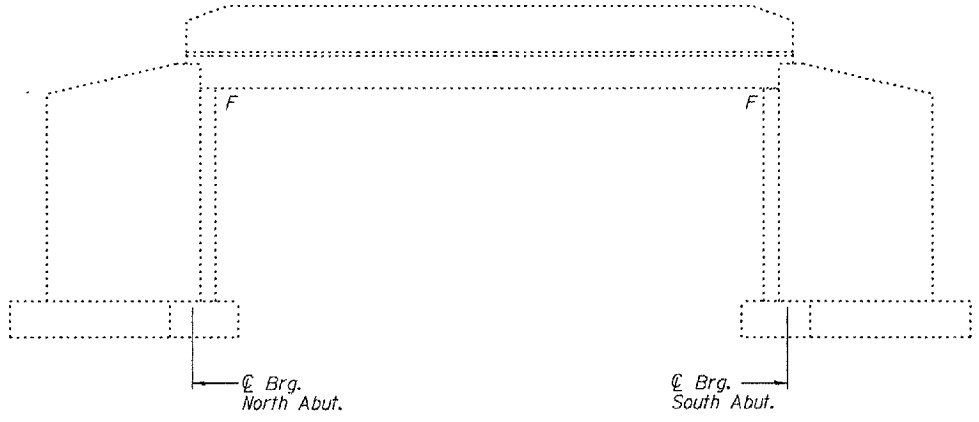
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Any damage done to the bridge during beam removal shall be repaired by the Contractor. Cost to be included in the cost of "Removal of Existing P.P.C. Deck Beams".

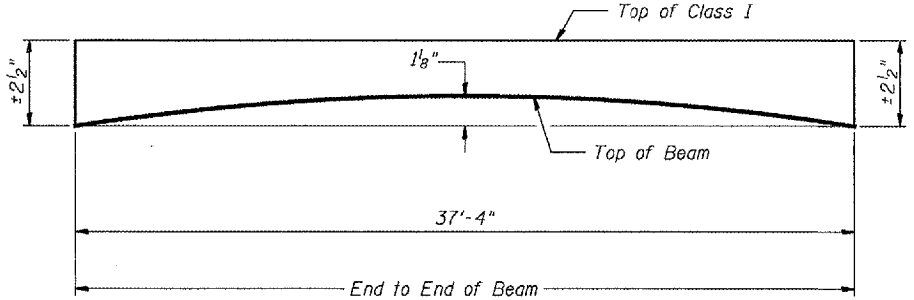
Reinforcement bars shall conform to the requirements of AASHTO M-31 or M322 Grade 60.

The top surface of the beams shall be finished in accordance with Article 504.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 1/4".

Temporary concrete barrier shall only be anchored into the overlay and not the PPC Deck Beams.

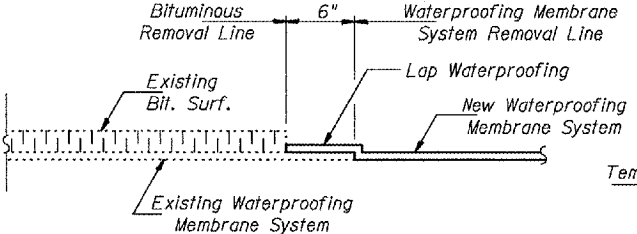


**ELEVATION**

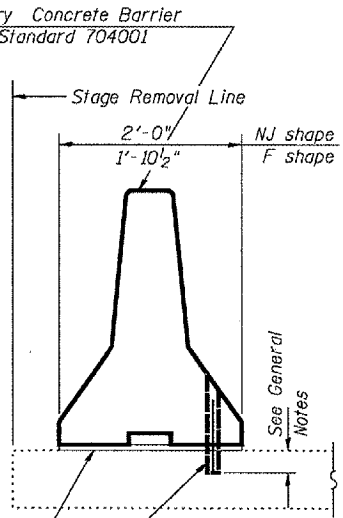


**ANTICIPATED INITIAL CAMBER DIAGRAM**

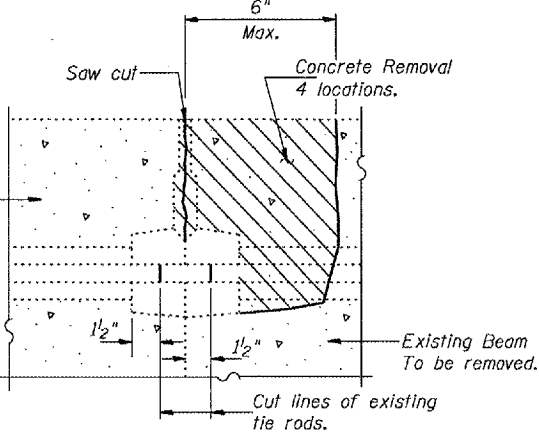
Beam 1	36" Beam
Beam 2	36" Beam
Beam 3	36" Beam
Beam 4	36" Beam
Beam 5	36" Beam
Beam 6	
Beam 7	
Beam 8	
Beam 9	
Beam 10	35" Beam
Beam 11	
Beam 12	36" Beam
Beam 13	36" Beam
Beam 14	36" Beam



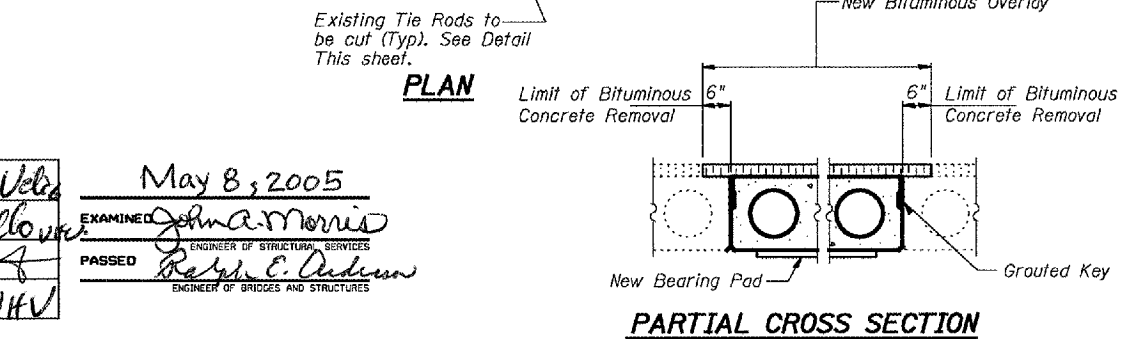
**WATERPROOFING TREATMENT**



**SECTIONS THRU SLAB SHOWING TEMPORARY CONCRETE BARRIER**



**BEAM REMOVAL DETAIL AT TRANSVERSE TIES**



**PLAN**

**PARTIAL CROSS SECTION**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1005
Bituminous Concrete Surface Removal	Sq. Yd.	8.3
Removal of Existing PPC Deck Beams	Sq. Ft.	1008
Bituminous Concrete Surface Course, Superpave Mix "D" N50	Ton	12.4
PC Mortar Fairing Course	Foot	373
Reinforcement Bars, Epoxy Coated	Pound	1360
Waterproofing Membrane System	Sq. Yd.	110
Concrete Superstructure	Cu. Yd.	8.5
Concrete Removal	Cu. Yd.	8.5
Floor Drains	Each	6
Protective Coat	Sq. Yd.	14.2

**PLAN AND ELEVATION**

F.A. RT. 124  
WILL COUNTY  
SN.099-0119



Expires 11-30-06

**DESIGN STRESSES  
PRESTRESS UNITS**

f'c = 5,000 psi  
f'ci = 4,000 psi  
f's = 270,000 psi (1/2"φ Low Relaxation Strands)  
f'si = 201,960 psi (1/2"φ Low Relaxation Strands)

DESIGNED: *Vic H. Velazquez*  
CHECKED: *Mike Trellover*  
DRAWN: *[Signature]*  
CHECKED: *HJT UHV*  
EXAMINED: *John A. Morris*  
PASSED: *Ralph E. Anderson*  
May 8, 2005