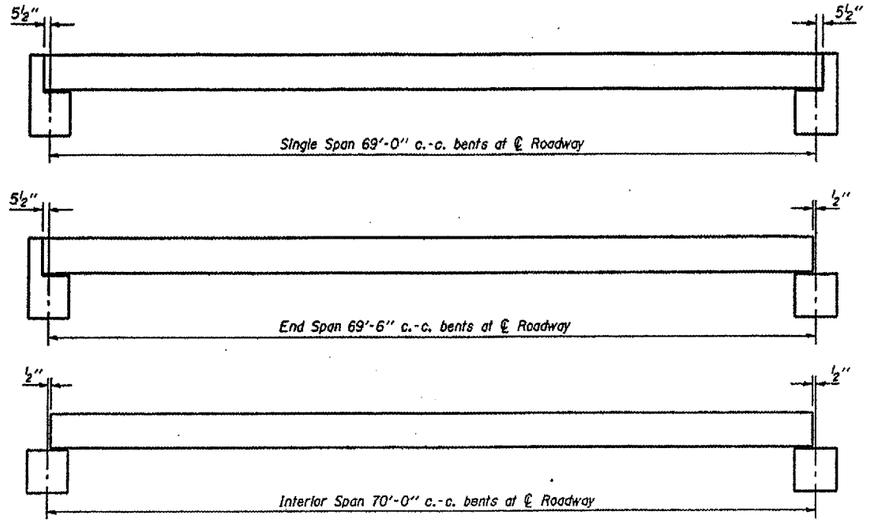
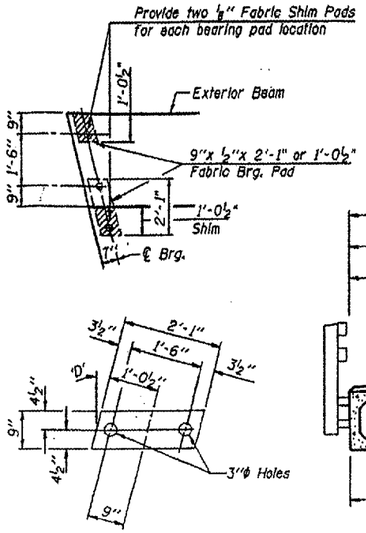
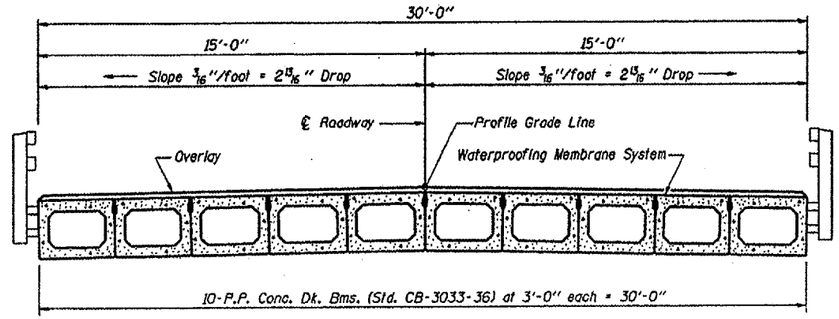
Sheet 7
87350



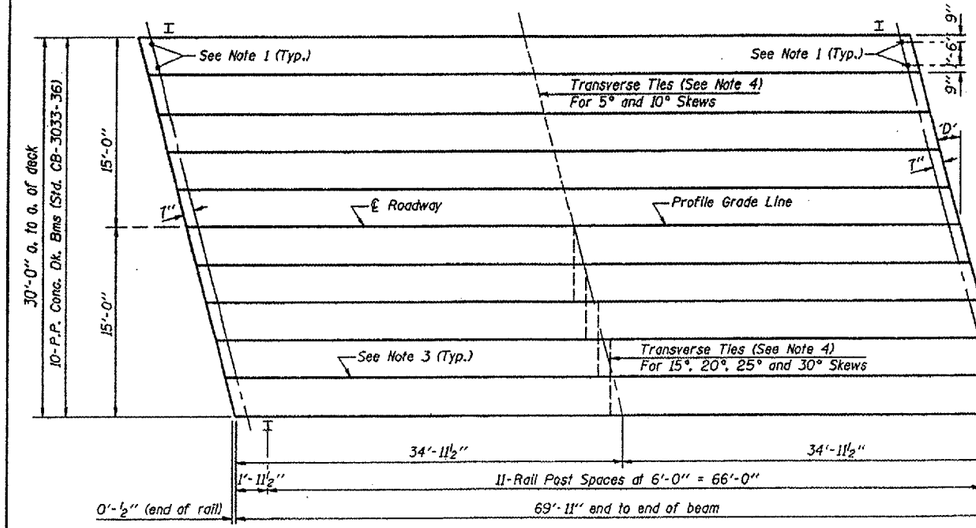
TYPICAL ELEVATIONS



½" FABRIC BRG. PAD DETAILS

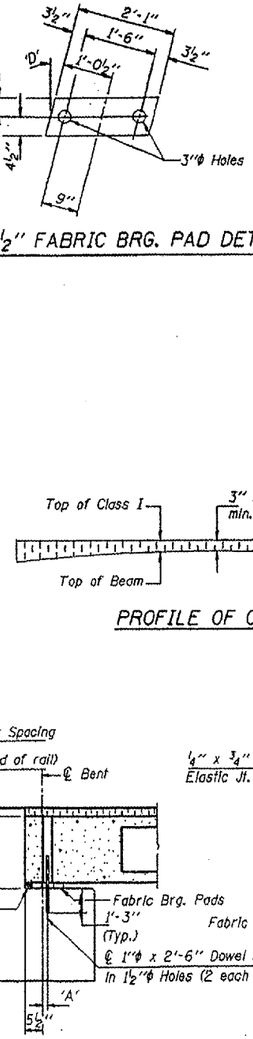


CROSS SECTION



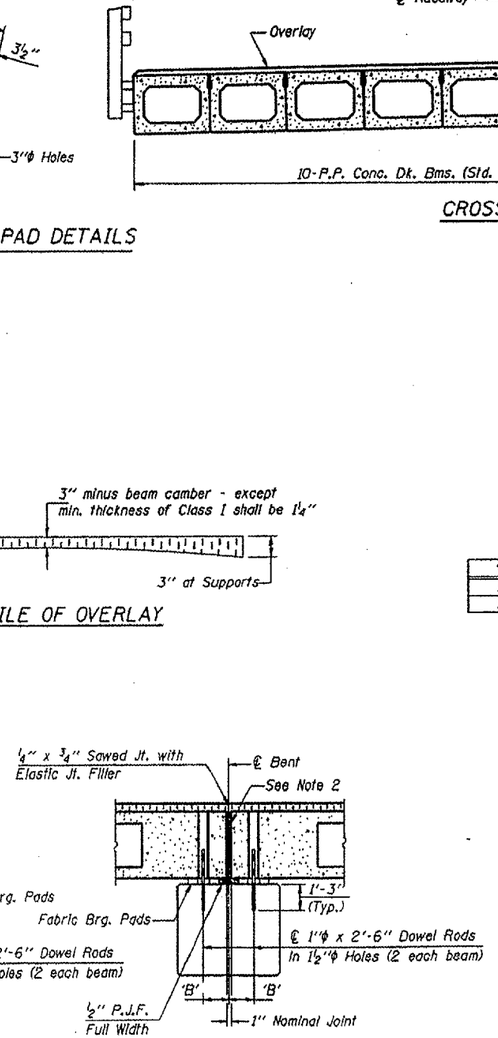
PLAN

('D' = Designated Skew Angle)



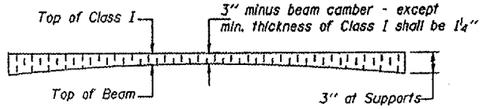
SECTION AT ABUTS.

(Along ℄ Beams)



SECTION AT PIERS

(Along ℄ Beams)



PROFILE OF OVERLAY

DIMENSIONS 'A' AND 'B'

'D'	5°	10°	15°	20°	25°	30°
A	1½"	1 5/8"	1 3/4"	1 7/8"	2 1/4"	2 5/8"
B	7½"	7 5/8"	7 3/4"	8"	8 1/4"	8 5/8"

NOTES

1. After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
2. Nominal 1" joint at ℄ Pier shall be filled with non-shrink grout.
3. Longitudinal keys shall be grouted.
4. The 1"ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar outside shall be filled with grout after transverse tie assembly is in place.

QUANTITIES FOR ONE SPAN

P.P. Conc. Dk. Bm. 33" Dp.	2100 Sq. Ft.
Steel Railing	140 Ft.
Waterproofing Membrane System	233.3 Sq. Yds.
Portland Cement Mortar Fairing Course	630 Ft.

Note: Quantity of overlay for one span = 29.8 Tons

Illinois Department of Transportation

PASSED APRIL 4, 2005
Thomas S. Yamasaki
Engineer of Bridge Design

APPROVED APRIL 4, 2005
Rafat E. Qubain
Engineer of Bridges and Structures

ISSUED 4-4-2005

P.P.C. DECK BEAM SUPERSTRUCTURE

30' RDWY.	33" BMS.	70' SPAN	RIGHT

STANDARD CS-3033-70R