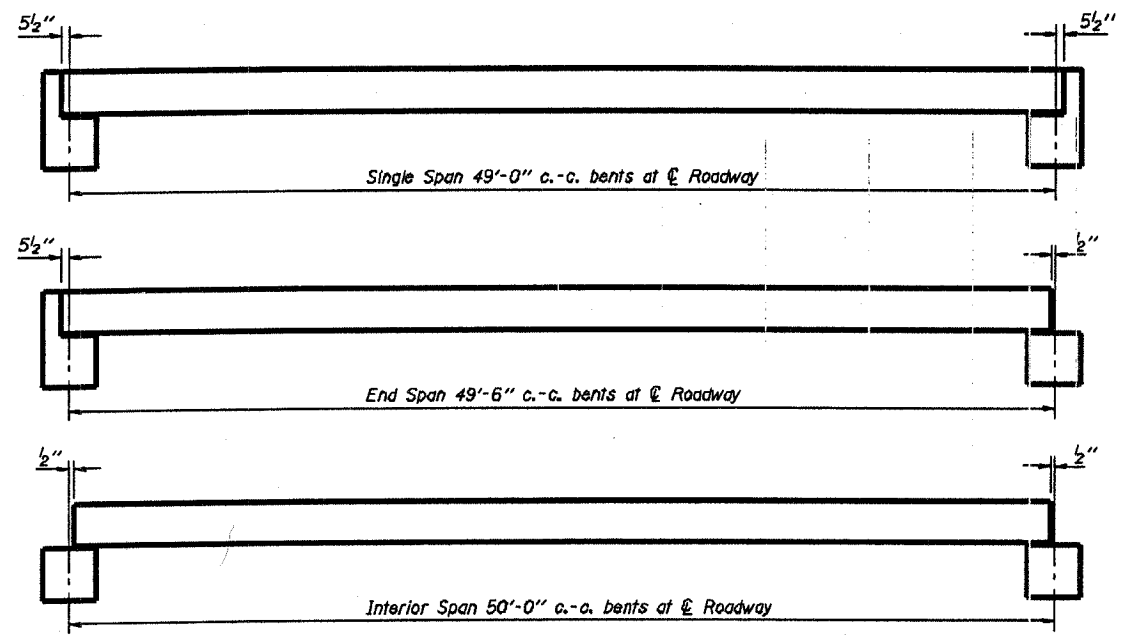
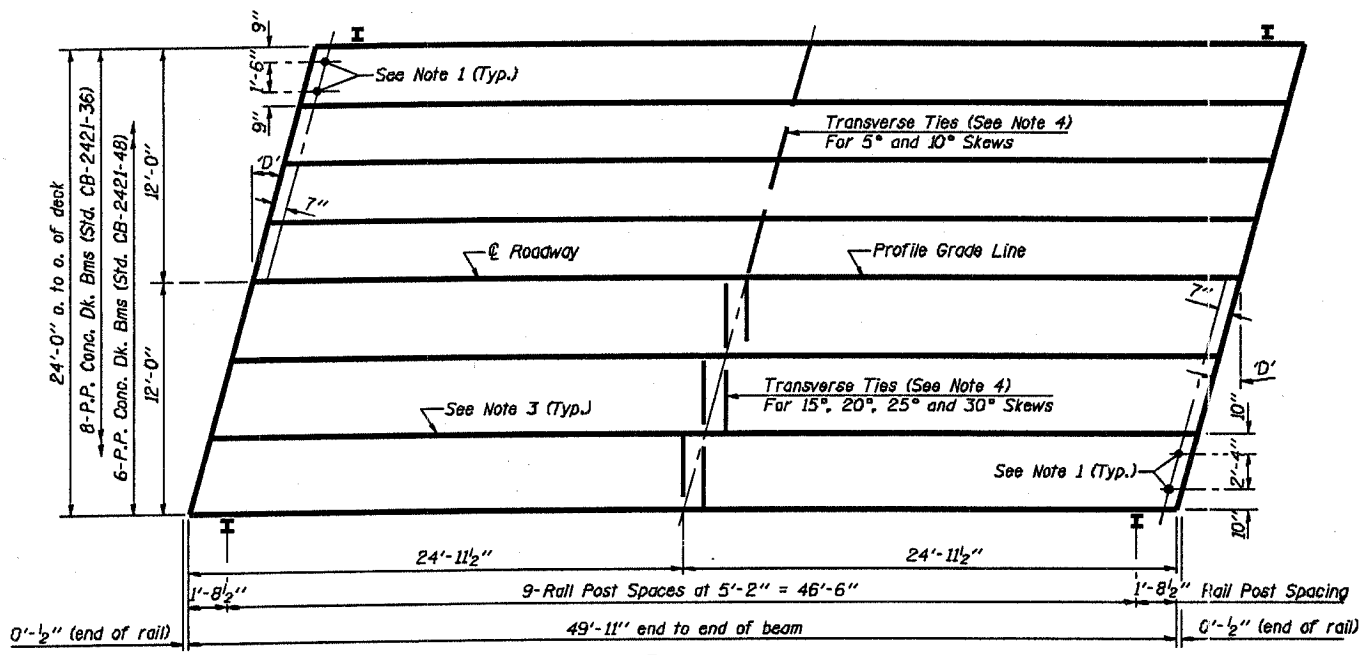


| | | | | |
|----------|---------------|--------|--------------|-----------|
| RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| T.R. 181 | 03-0112-00-BR | MARION | 12 | 5 |

CONTRACT No. 95428



TYPICAL ELEVATIONS

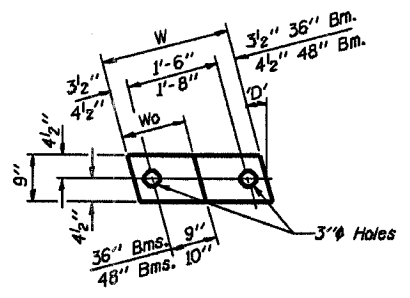
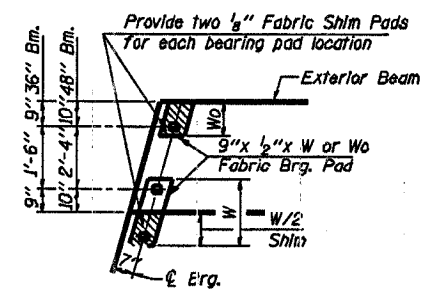


PLAN

('D' = Designated Skew Angle)

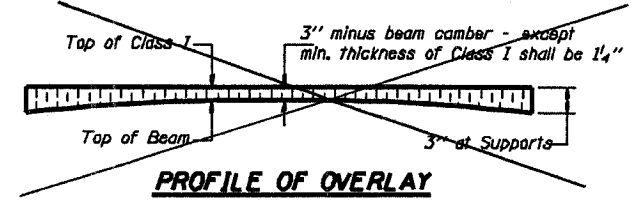
NOTES

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 centerline of pier shall be filled with non-shrink grout.
3. Longitudinal keys shall be grouted.
4. The 1" 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.

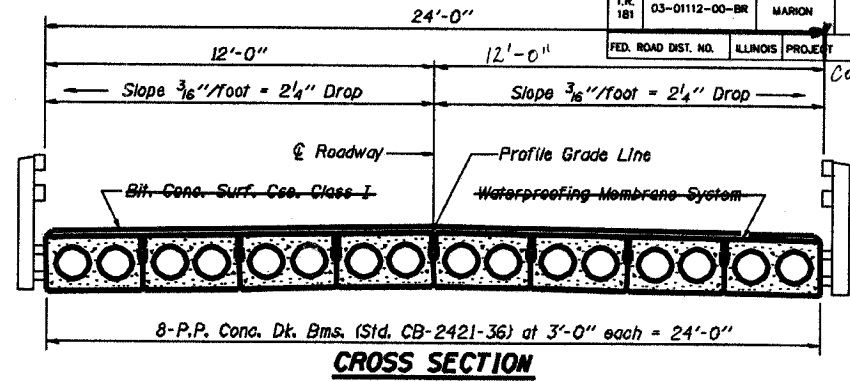


| Beam | W | Wo |
|------|-------|-----------|
| 36" | 2'-1" | 1'-0 1/2" |
| 48" | 2'-5" | 1'-2 1/2" |

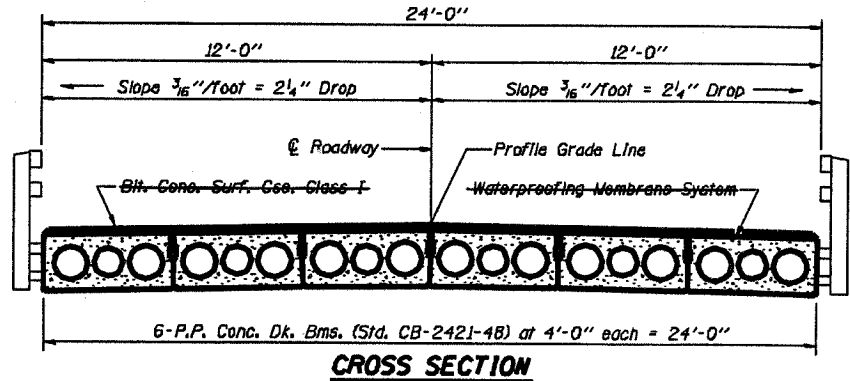
1/2" FABRIC BRG. PAD DETAILS



PROFILE OF OVERLAY



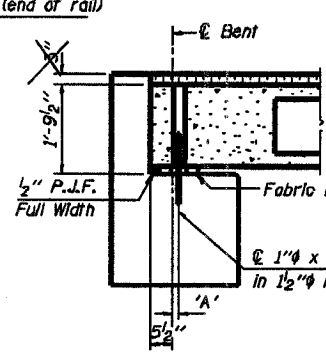
CROSS SECTION



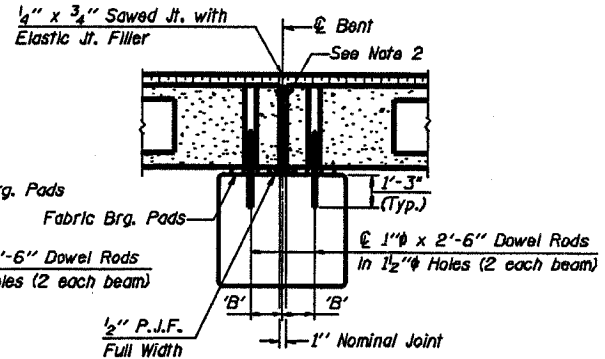
CROSS SECTION

DIMENSIONS 'A' AND 'B'

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



SECTION AT ABUTTS.
(Along centerline of Beams)



SECTION AT PIERS
(Along centerline of Beams)

QUANTITIES FOR ONE SPAN

| | |
|-------------------------------|----------------|
| P.P. Conc. Dk. Bm. 21" Dp. | 1200 Sq. Ft. |
| Steel Railing | 100 Ft. |
| Bit. Conc. Surf. Coe. Class I | 15.0 Tons |
| Waterproofing Membrane System | 133.3 Sq. Yds. |

P.P.C. DECK BEAM SUPERSTRUCTURE

| | | | |
|-----------------------------|----------|----------|------|
| 24' RDWY. | 21" BMS. | 50' SPAN | LEFT |
| STANDARD CS-2421-50L | | | |

Illinois Department of Transportation

PASSED NOVEMBER 1, 1995

Engineer of Bridge Design

APPROVED NOVEMBER 1, 1995

Engineer of Bridges and Structures