DECK PANEL DESIGN NOTES:

1. Design for construction loads that include 0.05 ksf plus the dead load weight of the panel and the CIP deck.
2. All reinforcement shall be ASTM Grade 60, seven-wire low-relaxation strands. The area of each strand is 0.085 in².
3. The maximum tensile stress in the prestressing steel upon release must not exceed 10% of the specified minimum ultimate tensile strength of the prestressing steel.
4. Concrete Strength: f'c is at time of initial stressing.

DECK PANEL TYPICAL SECTION

DECK PANEL TYPE | PANEL WIDTH "W" (ft) | PANEL LENGTH "L" (ft) | TOTAL DECK THICKNESS (in) | STRAND SPACING "D" (in) | f'c (ksi) | f'c (ksi) |
--- | --- | --- | --- | --- | --- | --- |
PC/PS CONCRETE DECK PANEL | 2½" Min. | 4' Max. | Typ. | 2" Min. | Typ. | 1'-0" |

PLAN - TYPE 1 (NON-SKEWED PANEL)

WELDED WIRE REINFORCEMENT 6X6 - D4XD4

SECTION A-A

3" = 1'-0"

NOTES:

1. "BULB-TEE" and "I GIRDER" are for illustration only.
2. The designer is to determine CIP deck thickness and reinforcement.

PC/PS CONCRETE DECK PANEL DETAIL No. 1