**TOP LAYER OF STEEL**
(TRANSVERSE AND EDGE BEAM STEEL NOT SHOWN)

**BOTTOM LAYER OF STEEL**
(TRANSVERSE AND EDGE BEAM STEEL NOT SHOWN)

**SLAB ELEVATION**

**LEGEND:**
- E-BARS ARE NOT ALWAYS REQUIRED; SEE SLAB DATA TABLE ON SHEET 2 4

**NOTE:**
- SEE SHEETS 3 4 4 4 FOR EDGE BEAM DETAILS

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**LEGEND:**
- Edge: 7" Beam Max.
- C-Bars
- D-Bars
- E-Bars
- A-Bars
- N-Bars

**NOTE:**
- SEE SHEETS 3 4 4 4 FOR EDGE BEAM DETAILS

**SLAB DATA TABLE ON SHEET 2 4**

**BOTTOM LAYER OF STEEL**

**SECTION C-C**

**NOTE:**
- SEE SHEETS 3 4 4 4 FOR EDGE BEAM DETAILS

**SLAB ELEVATION**

**LEGEND:**
- Edge: 7" Beam Max.
- C-Bars
- D-Bars
- E-Bars
- A-Bars
- N-Bars

**NOTE:**
- SEE SHEETS 3 4 4 4 FOR EDGE BEAM DETAILS

**SLAB ELEVATION**

**LEGEND:**
- Edge: 7" Beam Max.
- C-Bars
- D-Bars
- E-Bars
- A-Bars
- N-Bars
### Slab Data

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#### General
- This drawing provides design and general construction details for three-span slab bridges. The project plans for each structure will show span lengths, roadway width, skew, curve, and super-elevation of any elevations, slab reinforcement details in plan and transverse sections, substructure details, estimated quantities, reinforcing steel list, and other necessary details and special notes.
- Additional interior spans, the same length as the middle span, may be incorporated into the structure without change in slab thickness or area of reinforcing steel. When spans are added, the project plans will show the revised details.
- Roadway width the slab design is applicable for the following road width, measured out to out of bridge deck: width ≥ 38 ft.

#### Design Specifications

### Design Data
- **Design Method:** Load and resistance factor design
- **Design Loading:** HL-93
- **Future Loadings:** 80-Ib/ft²
- **Wearing Surface:** One-inch monolithic
- **Concrete:** 4,000 psi
- **Reinforcing Steel:** Min. yield strength

### Reinforcing Steel
- Furnish the reinforcing steel lengths as indicated in the table or standard drawings. The contractor shall utilize shorter bar lengths, providing the minimum lap lengths shown below at no additional cost to the state.

#### Bending Diagnostics
- A bar lengths include the 10% bend standard hook length.

#### Total Number of N-Bars
- The number of N-bars includes additional bars provided at the abutments and piers.

#### Legend
- U-bars shall not be lapped with the additional bars provided at the abutments and piers.
- Total number of N-bars includes the additional bars provided at the abutments and piers.
**EDGE BEAM SLAB DATA - OVER THE SIDE DRAINAGE**

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**BENDING DIAGRAMS**

- **F-BAR**: Length = 12" (30.5 cm)
- **UH01 BAR**: Length = 3' + 4" (106.7 cm)
- **UH02 BAR**: Length = 3' + 4" (106.7 cm)

**NOTE**

- F-bar lengths include 1" bend standard hook length.

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**LEGEND**

- [ ] = F-BARS, G-BARS, NO. = 3 - #8 BARS
- [ ] = M-BARS, NO. = 4 - #8 BARS
- [ ] = H-BARS, J-BARS OR K-BARS, NO. = 5 - #8 BARS
- [ ] = STRUCTURAL ENGINEERING
- [ ] = PIER
- [ ] = STANDARD HOOK
- [ ] = X""
**EDGE BEAM SLAB DATA - PARAPET**

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**BENDING DIAGRAMS**

- **STANDARD HOOK**
- **1001 BAR**
  - Length: D + 1'-10"
- **1002 BAR**
  - Length: D + 1'-10"

**NOTE**

F BAR LENGTHS INCLUDE THE 1007 BEND STANDARD HOOK LENGTH.

**EDGE BEAM DETAIL**

(FOR SLABS WITH T ≤ 8")

- **VARIABLES**
  - SEE TABLE FOR
  - C, D & E BAR SPA.

**EDGE BEAM DETAIL**

(FOR SLABS WITH T > 8")

- **VARIABLES**
  - SEE TABLE FOR
  - C, D & E BAR SPA.