NOTES:
1. See Structure Plans General Notes for Topping minimum thickness and cover.
2. Work this Index with Index D400-300.

TYPICAL SECTION THRU SUPERSTRUCTURE WITH CROWN

TYPICAL SECTION THRU SUPERSTRUCTURE WITH CONSTANT CROSS SLOPE
(SEE SECTION WITH CROWN ABOVE FOR ALL INFORMATION NOT SHOWN IN THIS SECTION)
### FLORIDA SLAB BEAM - TABLE OF VARIABLES

<table>
<thead>
<tr>
<th>NOMINAL SPAN LENGTH</th>
<th>LOCATION BEAM TYPE</th>
<th>CONCRETE PROPERTIES</th>
<th>STANDARDS PLAN VIEW CASE</th>
<th>ANGLE θ</th>
<th>BEAM DIMENSIONS*</th>
<th>REINFORCING STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENCLOSURE</td>
<td>CLASS</td>
<td>STRAND PATTERN</td>
<td>END 1</td>
<td>END 2</td>
<td>END 3</td>
</tr>
<tr>
<td>30°</td>
<td>FSB 12x59 v1</td>
<td>8500 6000</td>
<td>1 1 90° 90° 4-11 28'-10½&quot;</td>
<td>3 1</td>
<td>4-4½&quot; 2-5½&quot; 2-5½</td>
<td>24 2-5½ - 57 4-7½ 3-6¼ 3-6¼</td>
</tr>
<tr>
<td></td>
<td>FSB 12x59 v1</td>
<td>8500 6000</td>
<td>1 1 90° 90° 4-11 28'-10½&quot;</td>
<td>3 1</td>
<td>4-4½&quot; 2-5½&quot; 2-5½</td>
<td>24 2-5½ - 57 4-7½ 3-6¼ 3-6¼</td>
</tr>
<tr>
<td>40°</td>
<td>FSB 12x59 v1</td>
<td>8500 6000</td>
<td>1 1 90° 90° 4-11 38'-10½&quot;</td>
<td>4 1</td>
<td>4-6½&quot; 2-5½&quot; 2-5½</td>
<td>32 2-5½ - - 77 4-7½ 3-6¼ 3-6¼</td>
</tr>
<tr>
<td></td>
<td>FSB 12x59 v1</td>
<td>8500 6000</td>
<td>1 1 90° 90° 4-11 38'-10½&quot;</td>
<td>4 1</td>
<td>4-6½&quot; 2-5½&quot; 2-5½</td>
<td>32 2-5½ - - 77 4-7½ 3-6¼ 3-6¼</td>
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<tr>
<td>50°</td>
<td>FSB 15x59 v1</td>
<td>8500 6000</td>
<td>1 1 90° 90° 4-11 48'-10½&quot;</td>
<td>5 1</td>
<td>4-4½&quot; 2-5½&quot; 2-5½</td>
<td>44 2-5½ - - - 97 4-7½ 3-6¼ 3-6¼</td>
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<tr>
<td></td>
<td>FSB 15x59 v1</td>
<td>8500 6000</td>
<td>1 1 90° 90° 4-11 48'-10½&quot;</td>
<td>5 1</td>
<td>4-4½&quot; 2-5½&quot; 2-5½</td>
<td>44 2-5½ - - - 97 4-7½ 3-6¼ 3-6¼</td>
</tr>
</tbody>
</table>

**NOTE:** Work this sheet with Developmental Design Standards Index D20450.

**DIMENSION NOTES**

*All longitudinal slab beam dimensions shown in this sheet with a single asterisk (*) are measured along the top of beam at the centerline. Dimension "R" is calculated at mid-height of the slab beam.*

**FLORIDA SLAB BEAM - TABLE OF VARIABLES**

**STANDARD PLANS**

**DEVELOPMENTAL INDEX**

**FSB SUPERSTRUCTURE PACKAGE**

32 FT. CLEAR WIDTH

**INDEX**

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**STRAND PATTERN**

**TYPE 1 15 STRANDS**

**TYPE 2 20 STRANDS**

**TYPE 3 25 STRANDS**

**STRAND DESCRIPTION:**

Use 0.60" Diameter, Grade 270, Low Relaxation Carbon Steel Strands stressed at 44.0 kips each.

Area per strand equals 0.217 sq. in.

**STRAND DEBONDING LEGEND**

* - Fully bonded strands.

For Information Only

Not for Construction

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**DEVELOPMENTAL STANDARD PLANS**

**LAST REVISION:**

10/01/16

**DESCRIPTION:**

For Information Only

Not for Construction
## Load Rating Summary Details for Prestressed Concrete Bridges (Flat Slab and Deck/Girder)

### Table 2 - LRFR

<table>
<thead>
<tr>
<th>Span Length (ft)</th>
<th>Load Factors</th>
<th>Moment (Strength) or Stress (Service)</th>
<th>Shear (Strength)</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Distribution Factor (DF)</td>
<td>Rating Factor</td>
<td>Location</td>
</tr>
<tr>
<td>30</td>
<td>Strength I (Inv)</td>
<td>HL-93 N/A</td>
<td>1.75</td>
<td>1.25</td>
</tr>
<tr>
<td></td>
<td>Strength I (Op)</td>
<td>HL-93 N/A</td>
<td>1.35</td>
<td>1.25</td>
</tr>
<tr>
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<td>Service III (Inv)</td>
<td>HL-93 N/A</td>
<td>0.80</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>Service III (Op)</td>
<td>HL-93 N/A</td>
<td>0.80</td>
<td>1.00</td>
</tr>
</tbody>
</table>

### Abbreviations:
- Inv: Inventory
- Op: Operating
- DF: Design Factor

### Notes:
1. Permit capacity is determined by using the permit vehicle in all lanes.
2. Service III Design Inventory tensile stress limits = 3\sqrt{f'c}.
3. Has the AASHTO LRFD Specifications Article 5.8.3.5 longitudinal reinforcement been satisfied? Yes No

### Ratings:
- HL-93
- FL120

### Load Rating Summary Sheet

For Information Only
Not for Construction

LOAD RATING SUMMARY SHEET

DEVELOPMENTAL
STANDARD PLANS

FSB SUPERSTRUCTURE PACKAGE
32 FT. CLEAR WIDTH

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