DESCRIPTION:
Precast PIPE SIZE 8" Precast 6" 1'-5"

SHOULDER GUTTER TRANSITION
4'-10" (Precast) 5'-4" (C-I-P) 4'-3" Precast 4'-3" C-I-P

RECOMMENDED MAXIMUM PIPE SIZES

INLET SIZE WIDTH PIPE SIZE
2'-1" or 3'-3" 24" 4'-0" or 5'-10" 20" 6'-0" or 8'-10" 16" 8'-0" or 10'-10" 12"

HORIZONTAL WALL REINFORCING SCHEDULE (TABLE 1)

WALL AREA MAX. SPACING
SCHEDULE (in²/ft) .060 .045 .035 .025 .020 .015 .010 .005 .002
6'-0" (Std) 425-001 96 0.20 4 3" 2'-11" Or 4'-0" C-I-P 5" 5" 5" 5" 5" 5" 5" 5" 5"
6" (Std) C-I-P 5" 5" 5" 5" 5" 5" 5" 5" 5"

GENERAL NOTES
1. This inlet is intended for use in shoulder gutter on facilities subject to heavy wheel loads.

2. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. See Index 425-001 for equivalent area of welded wire fabric. Bars to be cut or bent for 1½" minimum clearance around pipe.

3. All exposed edges and corners must be 3/8" chamfer or rounded to 1/8" radius.

4. When Alternate G grate is specified in plans, the grate is to be hot-dip galvanized after fabrication.

5. For supplementary details and notes see Indexes 425-001 and 425-010.

6. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.

7. Inlets to be paid for under the contract unit price for inlets (Gutter Type S), EA Cost of concrete apron at terminal inlets to be included in the cost of the inlet.
Apron To be Constructed At The Most Downstream Inlet In A Run Of Shoulder Gutter

CONCRETE APRON AT TERMINAL INLETS
ALT. A STRUCTURE BOTTOM FOR INLET TYPE S

**TOP SLAB OPENINGS**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>OPENING SIZE</th>
<th>MIN.</th>
<th>MAX.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'-0&quot; to 8'-0&quot;</td>
<td>2'-11&quot; x 4'-0&quot;</td>
<td>3'-3&quot; x 3'-10&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**TOP SLAB REINFORCING DIAGRAM**

- #6 Bar Each Corner (2'-0" Min. Length)
- 2 Way Reinforcement
  - See Tables
- #5 Hoop Bar (Peripheral Reinforcement)
- Centered Opening (See Table For Dimensions)
- #8 Bars
- Dimensions
  - 2'-11" x 4'-0"
  - 3'-3" x 3'-10"

**TOP SLAB WITH CENTERED OPENING**

**REINFORCING SCHEDULE**

<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>OR 65 KSI &amp; 70 KSI (WIRE FABRIC)</th>
<th>In/ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.35</td>
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</tr>
<tr>
<td>B</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>0.24</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLAB DEPTH</th>
<th>SLAB THICKNESS</th>
<th>REINFORCING SCHEDULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE: 5'-0&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.5&quot; x 30&quot;</td>
<td>9/16&quot; C</td>
<td></td>
</tr>
<tr>
<td>30'-40'</td>
<td>9/16&quot; D</td>
<td></td>
</tr>
</tbody>
</table>

| SIZE: 6'-0" |               |                      |
| 0.5" x 30" | 9/16" D        |                      |
| 30'-40'    | 9/16" D        |                      |

| SIZE: 8'-0" |               |                      |
| 0.5" x 30" | 11/16" C       |                      |
| 33'-40'    | 11/16" D       |                      |

**SECTION BB**

- Top Slab With Centered Opening
- Round Structure Bottom
- See Index 425-020 For Structure Bottom Details and Hole Reinforcement.
- 9/16" For 5'-0"/6'-0" Structure Bottoms
- 11/16" For 8'-0" Structure Bottoms
- 2" Cl.
- 2 Way Reinforcement
  - See Tables
- #8 Bars @ 5" Spacing

**SECTION AA**

- Centered Inlet
- Structure Bottom
- Top Slab
- Top Slab With Centered Opening
- See Index 425-020 For Structure Bottom Details and Hole Reinforcement.