TYPICAL END DIAPHRAGM SECTIONS

CONTINUOUS SLAB DETAIL

TYPE A JOINT DETAIL

TABLE OF ESTIMATED QUANTITIES

<table>
<thead>
<tr>
<th>SPAN LENGTH</th>
<th>SHEAR KEY</th>
<th>EXP CONC BOX BEAM</th>
<th>PRESTR CONC BEAMS</th>
<th>TOTAL STEEL</th>
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<tr>
<td>FT</td>
<td>£</td>
<td>£</td>
<td>£</td>
<td>£</td>
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<tr>
<td>30</td>
<td>74.0</td>
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<td>177.0</td>
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<td>237.0</td>
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<td>477.0</td>
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Notes:
1. If using Type A expansion joints, the maximum distance between joints is 100 ft.
2. Lap Bar reinforcing omitted for clarity.
3. See Bridge Layout for Joint type.
4. Provide 1-3/8" end cover to Bars H. After all beams have been placed, weld one Bar H to two Bars D at each end of all beams.
5. Lap Bars DT 9" Min with each Beam Bar D at Interior Bents without Expansion Joints. Bars DT shown bent for clarity only.
6. Provide 1-3/8" end cover to Bars H. After all beams have been placed, weld one Bar H to two Bars D at each end of all beams.
7. Backer rod must be 25% larger than joint opening and must be compatible with the sealant.
8. Use Class 7 Silicone sealant. Prepare joint and seal in accordance with Item 438 "Cleaning and Sealing Joints".
9. Fabricator must adjust beam lengths for beam slopes as required.
10. Reinforcing steel weight is based on an approximate factor of 2.0 lbs per square foot of slab.

ESTIMATED QUANTITIES

| | | | | |
| Lb | Lb | Lb | Lb | Lb |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |
| 1,810 | 2,112 | 2,414 | 2,714 | 3,016 |