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**FILE:**

**DATE:**

**DN:**

**FILE:**

**JOB:**

**COUNTY:**

**SECT:**

**DIST:**

**REVISIONS:**

**TxDOT**

**TxDOT**

**TxDOT**

**TxDOT**

**HIGHWAY**

**SHEET NO.**

**CTxDOT**

**CONT**

**SPANS**

**PRESTRESSED CONC 1-GIRDER REINFORCEMENT**

**GFRP SLAB TOP MAT**

**REINFORCEMENT**

**PRESTRESSED CONC 1-GIRDER SPANS**

**IGFRP**

**AT THICKENED SLAB END**

**PLAN FOR SLABS WITHOUT BREAKBACKS**

**SHOWING Top Mat REINFORCEMENT ONLY**

**AT SLAB CONTINUOUS OVER INTERIOR BENTS**

**SHOWING Top Mat REINFORCEMENT ONLY**

**SECTION A-A**

**SHOWING Thickened Slab End with PCP Option 1. Option 2 similar.**

**SECTION B-B**

**SHOWING Thickened Slab End with PCP Option 1. Option 2 similar.**

**PARTIAL TYPICAL TRANSVERSE SECTION**

**SECTION OF THICKENED SLAB END**

**SHOWING PCP Option 1. Option 2 similar.**

**STANDARD DIVISION BRIDGE**

**Of this standard to other formats or results or damages resulting from its use.**

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GENERAL NOTES:
- These details are restricted to Prestressed Concrete I-Girder spans with an 8'-0" slab and up to a 10'-0" girder spacing.
- These details are to be used in conjunction with the Span Details and PCP Standard (if prestressed concrete panels are used).
- This standard provides Glass Fiber Reinforced Polymer (GFRP) reinforcement details for the top mat of slab reinforcement. The bottom mat reinforcement and other slab details are as shown elsewhere in the plans.
- The Contractor may provide an alternate GFRP slab design with calculations signed and sealed by a Professional Engineer.

PLAN FOR SLABS WITH BREAKBACKS
Showing top mat reinforcement only.

BAR TABLE

<table>
<thead>
<tr>
<th>BAR</th>
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<tr>
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<tr>
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<tr>
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<td>OA</td>
<td>#5</td>
</tr>
<tr>
<td>G</td>
<td>#5</td>
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</tbody>
</table>

MATERIAL NOTES:
- Provide GFRP bars, conforming to ASTM D7957/7957M, except provide a minimum modulus of elasticity of 7.500 Msi.
- Provide Grade 60 steel bars for all bottom mat reinforcement as shown elsewhere in plans.
- Provide bar laps, where required, as follows:
  - #5 GFRP bar = 2'-9"