### Table A - Deck Panel Design (Steel-Girder)

<table>
<thead>
<tr>
<th>Panel Type</th>
<th>Concrete Strength (PSI)</th>
<th>Girder Flange Width (in.)</th>
<th>C-C Girder Spacing (in.)</th>
<th>Panel Length (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel A</td>
<td>6000</td>
<td>12</td>
<td>15</td>
<td>180</td>
</tr>
<tr>
<td>Panel B</td>
<td>4800</td>
<td>10</td>
<td>12</td>
<td>210</td>
</tr>
</tbody>
</table>

### Design Criteria Used to Develop Table A:

- **Panel Type**: Must be selected to match the concrete strength and girder flange width.
- **Concrete Strength**: Must match the specified pressure rating.
- **Girder Flange Width**: Must be within the range specified for the design criteria.
- **C-C Girder Spacing**: Must be consistent with the chosen girder spacing for efficiency.
- **Panel Length**: Must be calculated based on the girder flange width and spacing to ensure structural integrity.

### Staggered Stud Detail

- **Stud Spacing**: Must be adjusted to accommodate the girder spacing and panel dimensions.
- **Mild Reinforcement**: Must conform to the specified requirements for additional support.

### Notes to Designer:

1. **Mild Reinforcement**: Shall be provided to account for shears and moments.
   - Concrete strength at 28 days = f'c
2. **Girder Flange Width**: Must be consistent with the girder characteristics.
3. **C-C Girder Spacing**: Must be consistent with the girder layout.
4. **Panel Length**: Must be calculated based on the girder spacing and panel dimensions.
5. **Staggered Stud**: Must be adjusted to accommodate the girder spacing and panel dimensions.

### Cast-In-Place Concrete Notes

- **Concrete Strength**: Must be within the specified range.
- **Reinforcement**: Must conform to the specified requirements for additional support.

### Deck Slab Elevation Notes

- **Deflections**: Must be calculated based on the panel type and design criteria.
- **Shear Panel**: Must be designed to accommodate the required deflections.

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**Table B - Girder Deflections Due to Deck Panel Dead Load**

<table>
<thead>
<tr>
<th>Girder Type</th>
<th>Panel Type</th>
<th>Deflection (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Girder A</td>
<td>Panel A</td>
<td>0.03</td>
</tr>
<tr>
<td>Girder B</td>
<td>Panel B</td>
<td>0.02</td>
</tr>
<tr>
<td>Girder C</td>
<td>Panel C</td>
<td>0.01</td>
</tr>
</tbody>
</table>

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**State of New Hampshire**

**Department of Transportation**

**Bridge Design**

**Project Number**: 123456

**Drawing Number**: 111

**Sheet No.**: 3

**Scale**: 1" = 1'-0"