**SECTION THRU FENCE ON PARAPET A**

Protection screening may be required for pedestrian areas. See details for guidance. See section walls for additional details. See notes for specific requirements and details. The color of polymer coating for this structure shall be white. Place ornamental caps on fence to conceal connections.

**SECTION THRU FENCE ON SINGLE SLOPE PARAPET**

Use vertical posts for design.

**SECTION A-A**

Note: Place all bolt heads on side of fence adjacent to traffic.

**POST SHIM DETAILS**

Some required only in ends. Posts at fence should be spaced not closer than 1/2 foot.

**ANCHOR PLATE**

Gusset plates not required when using anchors as required.

**BASE PLATE**

Units shall be galvanized after fabrication. Note in lieu of using the post sleeve the fence post may be welded to the base plate.

**FENCE MEMBER SIZE & WEIGHT**

<table>
<thead>
<tr>
<th>Steel Fence Post Diameter</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>2-8&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>2-4&quot;</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>1'-0&quot;</td>
</tr>
</tbody>
</table>

**CHAIN LINK FENCE DETAILS**

- All fence components shall be galvanized steel with a polymer-coated finish. The color of polymer coating for this structure shall be white.
- All posts shall be set vertical. Anchor plates and shims shall be used at the base of the posts.
- Anchor bolts, nuts, and washers shall be galvanized. Stainless steel or aluminum alloy post bolts, nuts, and washers shall be galvanized.
- Alternative anchorage: concrete adhesive anchors 1/2"-inch. All concrete anchors shall be a minimum 3.65" deep and 5.80" wide. The standard weights and fittings shall be provided by the manufacturer.
- Design notes: the chain link fence system selected for the structure shall be a metallic-coated chain link fence system. The design engineer shall provide the necessary details for the installation of the fence system.
- Design notes: the fence system shall be designed to withstand wind pressures and seismic forces. The fence system shall be designed to meet the requirements of the applicable standards.
CROSS SECTION THRU ROADWAY  
LOOKING NORTH

SECTION THRU ABUTMENT  
TRANSITIONAL AREA ON DECK  
AT EXPANSION JOINT

SECTION THRU ABUTMENT  
TRANSITIONAL AREA ON DECK  
AT SEMI-EXPANSION OR FIXED JOINT

TOTAL ESTIMATED QUANTITIES

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ID NUMBER</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREPARATION DECKS TYPE 1</td>
<td>509.0301</td>
<td>SY</td>
</tr>
<tr>
<td>PREPARATION DECKS TYPE 2</td>
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<td>PREPARATION DECKS TYPE 3</td>
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<tr>
<td>FULL-DEPTH DECK REPAIR</td>
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<td>CY</td>
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<tr>
<td>RAPID SET DECK REPAIR</td>
<td>509.0500</td>
<td>CY</td>
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<tr>
<td>POLYESTER POLYMER CONCRETE OVERLAY</td>
<td>509.0035</td>
<td>SY</td>
</tr>
<tr>
<td>COMPLETE REMOVAL OF EXISTING DECK</td>
<td>509.0035</td>
<td>SY</td>
</tr>
</tbody>
</table>

NOTES

- Dimensions shown are based on the original structure plans.
- Areas of Preparation Decks Type 1 shall be defined by a saw cut.
- Preparation decks type 1, preparation decks type 2, and full-depth deck repair areas are based on the plans and as determined by the engineer. Preparation and full-depth deck repair areas shall be filled with the use of SSC pavement polyester polymer concrete and polymer cement-based concrete patches. Polyester polymer concrete may be substituted at no extra cost.
- Use of polyester polymer concrete as an overlay shall be approved by the engineer. Polyethylene sheets shall be used in the new polyester polymer concrete overlay.
- Use of PPC overlays and transitional areas are not recommended on concrete approaches.
- Plans shall specify the widths of the transverse joints to be filled with PPC overlays. The provided transition length, as shown on the plans, based on a 30 ft. lane width, is intended for the transition area details and identify locations on the plans for additional guidance.

BUREAU OF STRUCTURES

STANDARD 40.34

POLYESTER POLYMER CONCRETE OVERLAY

APPROVED: Bill Oliva  DATE: 7-20