### Bill of Material

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Switch Park, No. 14, Line of 100 in. Dual-Sided Turnout, 18 ft. 2 in. O.S.-S.</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Guard rail assembly, 47-7/8 in. high, with cap</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Guard rail assembly, 47-7/8 in. high, with cap</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Guard rail, extended, 10 ft. 4 in. long</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Guard rail, extended, 10 ft. 4 in. long</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>Insulated rail assembly, 47-7/8 in. high, insulated joint</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>Insulated rail assembly, 47-7/8 in. high, insulated joint</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>Insulated rail assembly, 47-7/8 in. high, insulated joint</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>Insulated rail assembly, 47-7/8 in. high, insulated joint</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>Insulated rail assembly, 47-7/8 in. high, insulated joint</td>
</tr>
</tbody>
</table>

### Notes
1. All rails shall have identification color code painted on heel, clear of joint area.
2. Rail lengths allow 1/8" cap between rail joints for holding.
3. Guard rails are rated 1" and form a 1-1/8" flashboard.
4. Coordinate switch machine and machine frame (MCM) with Caltrain.
5. All the lengths shall include 1-1/8" from the end to rail centerline, except as noted and 1-1/8" cant (if needed).
6. Trench the switch with double coil spring washer in place.
7. Screwing rail to be installed and adjusted in the field.

### Turnout Data

- **Frog:**
  - Angle: 45°27'27"
  - Actual Lead: 111°3/8°
  - Lead Length: 17-7/8 ft.
  - Centerline Radius: 1200 ft.
  - Total Length: 46 ft.
  - Degree of Curve: 32°3/37"
- **Switch:**
  - Length of Point: 45°27'
  - Outer Distance: 1-3/37'
  - Entry Angle: 0°25/2500
  - Throat at Point: 43-7/8 in.
  - Throat at Rail: 4-3/4 in.

### Special Trackwork

- **NO 14 Turnout 18 ft. 2 in. O.S.-S Switch Machine on Turnout Side**

---

**Caltrain**

**PENINSULA CORRIDOR JOINT POWERS BOARD**

**STANDARD DRAWINGS**

[Signatures and Logos]