TO CONCRETE TRACK

OPEN DECK BRIDGE

TO WOOD TRACK

8'-6" CONCRETE TIES

"A" 7" X 9" X 10'-0" SWITCH TIES

"B" 7" X 9" X 8'-6" TIES

4'-8 1/2" GAGE

CONCRETE TIE SPACING = 24"

WOOD TIE SPACING = 19 1/2"

CONCRETE TIE TO WOOD

MAXIMUM AUTHORIZED TRACK SPEED

<table>
<thead>
<tr>
<th>TIE TYPE</th>
<th>0-29 MPH</th>
<th>30 TO 49 MPH</th>
<th>50 MPH AND GREATER</th>
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<tbody>
<tr>
<td>QTY REQ'D</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>&quot;A&quot;</td>
<td>0</td>
<td>10</td>
<td>20</td>
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<tr>
<td>&quot;B&quot;</td>
<td>10</td>
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TIE TYPE REQUIRED

"A" - 7" X 9" X 10'-0" PREPLATED SWITCH TIE UPRR ITEM #502-6817
(4) E-CLIPS UPRR ITEM #503-6100

"B" - 7" X 9" X 8'-6" PREPLATED TIE UPRR ITEM #502-6855
(4) E-CLIPS UPRR ITEM #503-6100

NOTES:
1. TRANSITION ZONES ARE REQUIRED ON ALL TRACKS WHERE MAXIMUM AUTHORIZED SPEED IS 20 MPH OR GREATER.

EXCEPTION 1: MAKING TRANSITION FROM WOOD TURNOUTS TO CONVENTIONAL WOOD TRACK IS REQUIRED WHEN TRACK SPEED EXCEEDS 40MPH.

2. TRANSITIONS BETWEEN CONCRETE AND WOOD TIES SHOULD NOT BE MADE WHERE CURVATURE OR OBSTRUCTIONS SUCH AS CROSSINGS EXISTS. INSTEAD, CONCRETE TIES SHOULD BE EXTENDED THROUGH THE OBSTRUCTION OR CURVE BEFORE INSTALLING TRANSITION.

3. SEE PAGES 2 AND 3 FOR MORE DETAILS.
WOOD TURNOUT

USE THE SAME TRANSITION FOR CONCRETE TURNOUTS INSTALLED IN WOOD TIE TRACK OR WOOD TIE TURNOUTS INSTALLED IN CONCRETE TRACK. (24) 10’ WOOD TIES AHEAD OF THE SWITCH AND (24) 8’-6” TIES BEHIND.

NOTES:
1. SEE PAGES 1 AND 3 FOR NOTES AND MORE DETAILS.
NOTES:
1. ADD SOLID CRIB ANCHORS IN TWO CRIBS BETWEEN TIES 10 AND 12 IN ALL DIRECTIONS FROM CROSSING FROG, WHERE EXPANSION JOINTS ARE NOT PRESENT.
2. SEE PAGES 1 AND 2 FOR MORE NOTES AND DETAILS.