NOTES:

1. FOR INSTRUCTION ON USE OF THIS STANDARD, SEE SHEET 3. VARIABLES B, N, S AND T PROVIDED IN TABLES A, B OR C. SHEET 3 DESIGN CASE SHALL BE SHOWN ON PLANS.

2. PROJECT EXISTING REINFORCING NOT ALL REINFORCING SHOWN. ANY BARS EXPOSED SHALL HAVE CONCRETE REMOVED TO 1". CONTINUE EXISTING LONGITUDINAL WALL STEEL THROUGH LAP LENGTH SHOWN.

3. SCRATCH SURFACE TO APPROXIMATE 1/4 AMPLITUDE SURFACE SHALL BE CLEANED AND FREE OF LACQUER.

4. CUT LATERAL REINFORCING WHERE INTERSECTS WITH INSIDE OF MAINLINE RCB WALL. MAINTAIN 1/2" CLEAR FROM INSIDE FACE.

5. ABBREVIATIONS SHALL BE AS DEFINED:
   ML = MAIN LINE
   LAT = LATERAL
   T1 = DECK THICKNESS PER CALTRANS STANDARD PLANS OR PROJECT DRAWINGS
   T3 = INVERT THICKNESS PER CALTRANS STANDARD PLANS OR PROJECT DRAWINGS

6. "A" BAR, SEE TABLE ON SHEET 3 AND DETAIL 1 ON SHEET 2.
NOTES:

- Variables B, N, and S provided in Tables A, B, or C on Sheet 1. N is the bar configuration per Detail 2 herein. The size of bars is per the tables on Sheet 3.
- Depth of thickened slab shall match the mainline deck or invert, whichever is greater.
- Cut lateral reinforcing of mainline RCB wall to maintain 1½" clear from inside face.
- Cut horizontal ties and bars where tie is within lateral slab, invert, or thickened edge.
- Sample configurations of lateral main line and junction structure geometries are shown. Please note the position of the lateral to the mainline may vary, such as matching or offset invert elevations and matching or offset top slab elevations. Reinforcing steel shop drawings showing specific geometry and reinforcing shall be submitted to the district for review and approval.
- Abbreviations shall be as defined:
  - ML: Main Line
  - LAT: Lateral
  - DECK: Deck Thickness per Caltrans Standard Plans or Project Drawings
  - INVERT: Invert Thickness per Caltrans Standard Plans or Project Drawings
  - "X" Bar: See Table on Sheet 3 and Detail 1.

DETAIL 1

THICKENED DECK/INVERT

DETAIL 2

THICKENED DECK/INVERT

TYPICAL LAT RCB REINFORCING

TYPICAL LAT RCB REINFORCING

TYPICAL ML RCB REINFORCING

TYPICAL ML RCB REINFORCING

TYPICAL LAT RCB REINFORCING

TYPICAL LAT RCB REINFORCING

TYPICAL LAT RCB REINFORCING

TYPICAL LAT RCB REINFORCING

LENGTH PER LAP SCHEDULE

B5 CONT

B5 @ 12"

N=1, WITHOUT "X" BARS

N=2, WITHOUT "X" BARS

N=3, WITHOUT "X" BARS

N=4, WITH "X" BARS

N=5, WITH "X" BARS

EDGES OF WALL (BEYOND)

PEAKS PER LAP SCHEDULE

LENGTH PER LAP SCHEDULE

DETAIL TYPICAL LAT RCB REINFORCING
**DESIGN NOTES**

1. All dimensions and job site conditions prior to the fabrication of any material.

2. These notes and details are intended to work with Caltrans standard plans, details, and site conditions specified in the project engineer.

3. The project engineer of record is responsible for checking the design and the drawings related to this project.

**STANDARD DRAWINGS NOTES FOR DESIGN TABLES**

1. For definition of lateral span (L) and span (W), refer to plan sheet 1, section 2.

2. When drawing the connection, the section on the drawing of the structure is specified.

3. To estimate the connection peak, refer to the plan sheet 1, section 2.

**EQUATION**

\[ P = \frac{L}{\sin A} \]