51-inch Vertical Concrete Barrier and Transition

**SECTION A-A**
Between Columns

**SECTION B-B**
Transition Region

**DESIGNER NOTES**

The details shown on Standards 13.10 and 13.11 are for vehicle protection and are used with existing structures. Consider providing an adhesive transition section adjacent to the other exterior pier column for the following conditions:

- Where the road is adjacent to barriers and there is a concern for impacts to crossover.
- Where traffic control needs may cause the direction of traffic adjacent to barriers to be reversed.
- Where barriers may exist in this region that require shielding.

Contact the regional office for verification of any of these conditions.

These details meet criteria for test levels TL-3/TL-4.

For vehicle protection, see FDM 11-35-1 to determine when beam and the use of rails are necessary. Barriers should be used.

Approved: Bill Oliva

Date: 1-21

STANDARD 13.11