METAL BEAM GUARD RAILING
TYPICAL LAYOUTS FOR
STRUCTURE DEPARTURE

NOTES:
1. Line post, blocks and fasteners to be used are shown on Standard Plans.
2. Guard rail post spacing to be 6'-3" center to center, except as otherwise noted.
3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 8" x 1'-2" wood blocks. W6 x 9 steel posts, 6'-0" in length, with 6" x 8" x 1'-2" notched wood blocks or notched recycled plastic blocks may be used for 6" x 8" x 6'-0" wood posts. 6" x 8" x 1'-2" wood blocks were acceptable and when specified.
4. Orientation of adjacent traffic indicated by .
5. For transition railing (Type WB) details for Types 12AA and 12BB Layouts, see Standard Plan A77J4.
6. In-line Terminal System treatments are used where site conditions will not accommodate a flared end treatment.
7. The type of terminal system to be used will be shown on the Project Plans.
8. Dependent on site conditions (embankment height, side slopes, other fixed objects), it may be advisable to construct additional guard railing (of length equal to multiples of 12'-0" with 6'-3" post spacing) between the transition railing and end treatments.
9. Where placement of dike is required with guard railing installations, see Standard Plan A77C4 for dike positioning details.
10. Type 12AA or Type 12BB Layouts are typically used to the right of traffic departing a structure on two-way conventional highways where the roadway width across the structure is less than 40 feet.
11. For additional details of typical connections to bridge rail, see Connection Detail CC on Standard Plan A77J2 and Connection Detail HH on Standard Plan A77K2.

State of California
DEPARTMENT OF TRANSPORTATION

Randell D. Hiatt
Registered Civil Engineer
C50200
May 20, 2011

2010 STANDARD PLAN A77F4

All Rights Reserved
2011 California Department of Transportation

NO SCALE