STRENGTHENED RAILING SECTIONS FOR FIXED OBJECT
Use strengthened railing sections with layout Types 16D or 16E when minimum clearance between the face of the guard railing and fixed object(s) is less than 4'-0", but not less than 2'-3". See Note 4.

4. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". See Note 4.

5. Direction of adjacent traffic indicated by →.

NOTE A: For a series of fixed objects (bridge columns, overhead sign supports, etc.) spaced 3'-0" to 3'-3" center to center, spacing at 6'-3", except as specified in Note 4.

5. Direction of adjacent traffic indicated by →.

6. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". See Note 4.

7. The type of terminal system to be used will be shown on the project plans.

8. Additional guard railing to shield fixed object(s) will not accommodate a flared end treatment.

9. Layout Types 16D through 16L, shown on the A77G Series of Standard Plans, are typically used where guard railing is recommended to shield roadside fixed object(s) and a crosshatching end treatment is required for both directions of traffic.

10. Where placement of dike is required with guard railing, see Standard Plans A77A through A77D for dike positioning details.

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NOTE:
1. Line post, blocks and hardware to be used are shown on Standard Plans.
2. Guard railing installation at roadside fixed object or objects will not accommodate a flared end treatment.
3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 8" x 1'-2" wood blocks.
4. Where the clearance is less than 2'-3", a concrete wall or barrier should be constructed to shield the fixed object(s).
5. Flared end treatment at each end of railing.)
6. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". See Note 4.
7. See Note 4.
8. Wood line posts with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
9. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". See Note 4.
10. See Note 4.
11. Flared end treatment at each end of railing.)
12. A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". See Note 4.
13. See Note 4.
14. See Note 4.
15. See Note 4.
16. See Note 4.
17. See Note 4.
18. See Note 4.
19. See Note 4.
20. See Note 4.