STRENGTHENED MIDWEST GUARDRAIL SYSTEM SECTIONS FOR FIXED OBJECT

Use strengthened MGS sections with layout Types 16D or 16E where minimum clearance between the face of the MGS and fixed object(s) is less than 4'-0", but not less than 3'-0". See Note 4.

1. Use Note 4 offset for 8" block. For 10" block use minimum 4'-0" offset.

2. The type of 31" terminal system to be used will be shown on the Project Plans.

3. As site conditions dictate, construct additional MGS to shield fixed object. Additional MGS length equal to multiples of 12'-6". Post spacing at 6'-3" except as specified in Note 4.

4. Layout Type 16D through 16L, shown on the A77 Series of Standard Plans, are typically used where MGS is recommended to shield roadside fixed object(s). Additional MGS length equal to multiples of 12'-6". Post spacing at 6'-3" except as specified in Note 4.

5. If placement of dike is required with MGS, see Revised Standard Plan RSP A77R4 for dike positioning details.

6. Where placement of dike is required with MGS, see Revised Standard Plan RSP A77R4 for dike positioning details.

7. A 4'-0" minimum clearance is required between the face of the rolling and the face of a fixed object located directly behind MGS sections with post spacing at 6'-3". Construct MGS as shown in the detail "Strengthened Midwest Guardrail System Sections for Fixed Object". On this plan, where the clearance between the face of the rolling and the face of a fixed object is less than 4'-0", a concrete wall or barrier should be constructed to shield the fixed object.

8. A 3'-0" minimum clearance is required between the face of the rolling and the face of a fixed object located directly behind MGS sections with post spacing at 6'-3". Construct MGS as shown in the detail "Strengthened Midwest Guardrail System Sections for Fixed Object". On this plan, where the clearance between the face of the rolling and the face of a fixed object is less than 3'-0", a concrete wall or barrier should be constructed to shield the fixed object.

9. Where site conditions dictate, construct additional MGS to shield fixed object. Additional MGS length equal to multiples of 12'-6". Post spacing at 6'-3" except as specified in Note 4.

10. Where site conditions dictate, construct additional MGS to shield fixed object. Additional MGS length equal to multiples of 12'-6". Post spacing at 6'-3" except as specified in Note 4.

11. Use this offset for 8" block. For 10" block use minimum 4'-0" offset.

MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS

REVISED STANDARD PLAN RSP A77R4