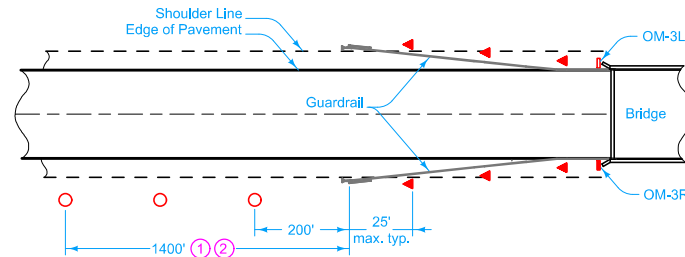
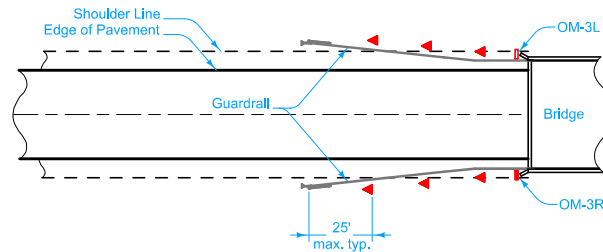


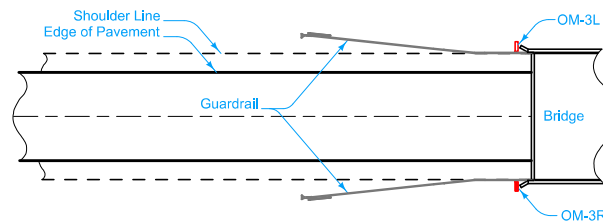
See [SI-172](#) for details of Delineators and [SI-173](#) for details of Object Markers.



TYPE 1
BRIDGE OR CONCRETE BARRIER RAIL
 (LESS THAN FULL SHOULDER WIDTH AND BRIDGE/ROADWAY WIDTH LESS THAN 30 FT.)



TYPE 2
BRIDGE OR CONCRETE BARRIER RAIL
 (LESS THAN FULL SHOULDER WIDTH AND BRIDGE/ROADWAY WIDTH 30 FT. OR GREATER)



TYPE 3
BRIDGE OR CONCRETE BARRIER RAIL
 (FULL SHOULDER WIDTH)

INSTALLATION AT BRIDGES

LEGEND	
	Type 3 Object Marker, Left (OM-3L)
	Type 3 Object Marker, Right (OM-3R)
	Type 2 Object Marker
	Rigid Delineator, Type 1 White

TYPE 1:

Beginning 25 feet from the approach end of guardrail, install Type 2 Object Markers at 25 foot intervals behind the guardrail. Install Type 3 Object Marker at the bridge ends. On paved roadways only, install 7 Single White Delineators at 200 foot spacing beginning 200 feet in front of the approach end of the guardrail. For ramp terminals see note 2.

TYPE 2:

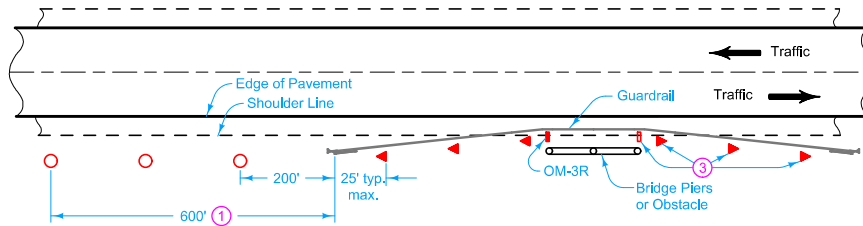
Beginning 25 feet from the approach end of guardrail, install Type 2 Object Markers at 25 foot intervals behind the guardrail. Install Type 3 Object Marker at the bridge ends.

TYPE 3:

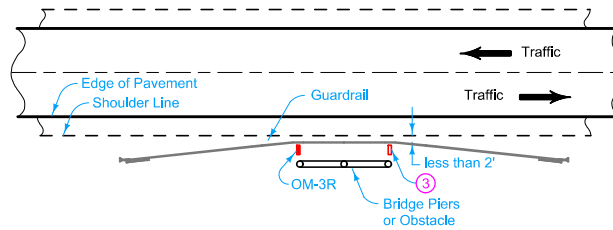
Install Type 3 Object Markers at the bridge ends.

- ① Not required on projects where delineators are proposed or installed throughout the length of the project.
- ② At ramp terminals only, install Single White Delineators as follows: Place first delineator at location where near ramp terminal radius meets the edge of the through pavement. Place additional delineator(s) spaced equally (spacing not to exceed 200 feet) between first delineator and guardrail.

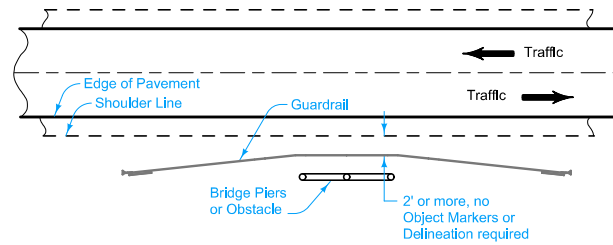
	REVISION
	2 10-18-16
STANDARD ROAD PLAN	SI-211
REVISIONS: Replaced old Iowa DOT logo with new logo.	SHEET 1 of 3
 APPROVED BY DESIGN METHODS ENGINEER	
OBJECT MARKER AND DELINEATOR PLACEMENT WITH GUARDRAIL	



TYPE 4
MARKING SIDE OBSTACLES
 (STEEL BEAM GUARDRAIL ON THE SHOULDER)



TYPE 5
MARKING SIDE OBSTACLES
 (STEEL BEAM GUARDRAIL LESS THAN 2 FT. FROM THE SHOULDER LINE)



TYPE 6
MARKING SIDE OBSTACLES
 (STEEL BEAM GUARDRAIL 2 FT. OR MORE FROM THE SHOULDER LINE)

INSTALLATION AT SIDE OBSTACLES

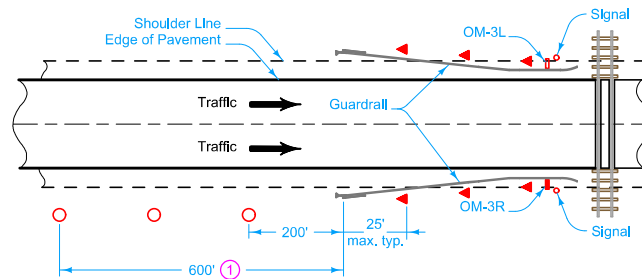
LEGEND	
	Type 3 Object Marker, Left (OM-3L)
	Type 3 Object Marker, Right (OM-3R)
	Type 2 Object Marker
	Rigid Delineator, Type 1 White

TYPE 4:

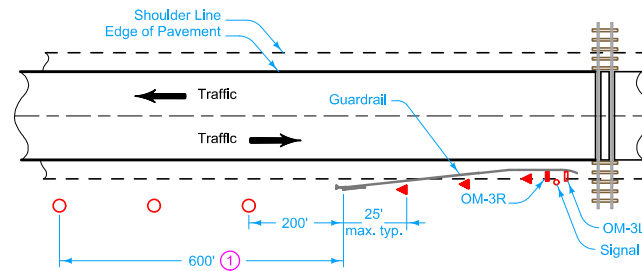
Beginning 25 feet from the approach end of guardrail, install Type 2 Object Markers at 25 foot intervals behind the guardrail. Beginning 200 feet in front of approach end of the guardrail, install 3 Single White Delineators at 200 foot spacing. Additional markers as shown.

- ① Not required on projects where delineators are proposed or installed throughout the length of the project.
- ③ Type 2 and Type 3 Object Marker at trailing end of obstacle not required when one-way traffic exists.

	REVISION
	2 10-18-16
STANDARD ROAD PLAN	SI-211
SHEET 2 of 3	
REVISIONS: Replaced old Iowa DOT logo with new logo.	
 APPROVED BY DESIGN METHODS ENGINEER	
OBJECT MARKER AND DELINEATOR PLACEMENT WITH GUARDRAIL	



TYPE 7
MARKING RAILROAD CROSSING SIGNALS
 (ONE-WAY TRAFFIC)



TYPE 8
MARKING RAILROAD CROSSING SIGNALS
 (TWO-WAY TRAFFIC)

TYPE 7:





Beginning 25 feet from the approach end of guardrail, install Type 2 Object Markers at 25 foot intervals behind the guardrail. Beginning 200 feet in front of approach end of the outside guardrail, install 3 Single White Delineators at 200 foot spacing.

TYPE 8:


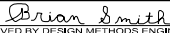
Beginning 25 feet from the approach end of guardrail, install Type 2 Object Markers at 25 foot intervals behind the guardrail. Beginning 200 feet in front of approach end of the right guardrail, install 3 Single White Delineators at 200 foot spacing.

① Not required on projects where delineators are proposed or installed throughout the length of the project.

LEGEND

-  Type 3 Object Marker, Left (OM-3L)
-  Type 3 Object Marker, Right (OM-3R)
-  Type 2 Object Marker
-  Rigid Delineator, Type 1 White

INSTALLATION AT RAILROADS

	REVISION	
	2	10-18-16
STANDARD ROAD PLAN	SI-211	
	SHEET 3 of 3	
<small>REVISIONS: Replaced old Iowa DOT logo with new logo.</small>		
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>		
OBJECT MARKER AND DELINEATOR PLACEMENT WITH GUARDRAIL		