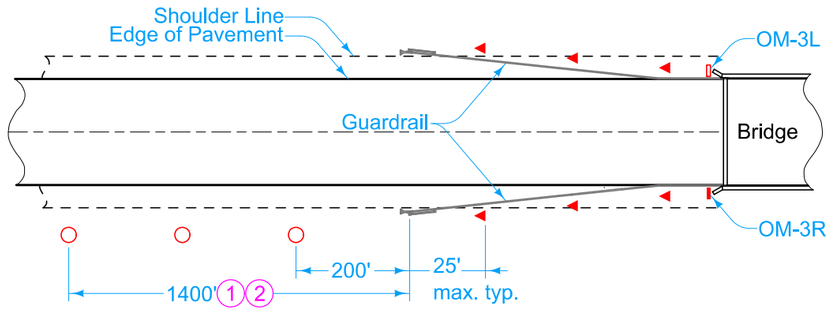
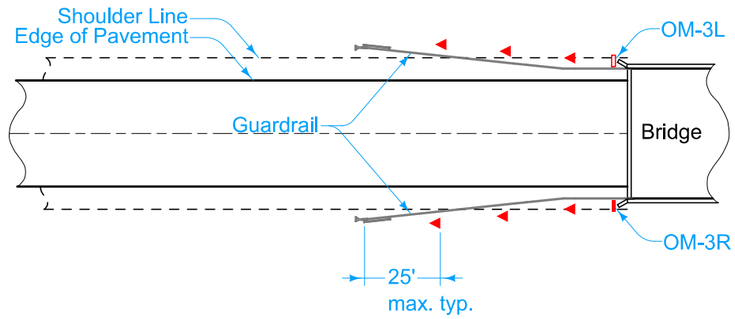
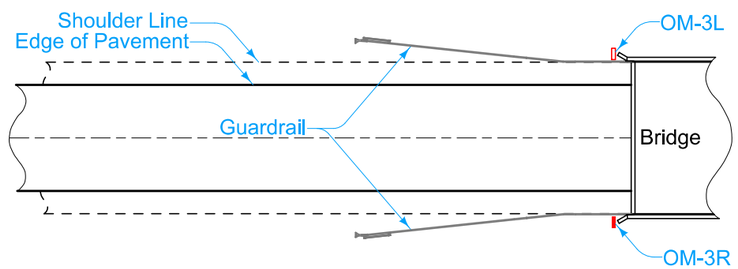


TYPE 1
BRIDGE OR CONCRETE BARRIER RAIL
(LESS THAN FULL SHOULDER WIDTH AND BRIDGE/ROADWAY WIDTH LESS THAN 30 FT.)



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

See SI-172 for details of Delineators and SI-173 for details of Object Markers.

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.

IOWA DOT
STANDARD ROAD PLAN

REVISION	
3	10-18-22

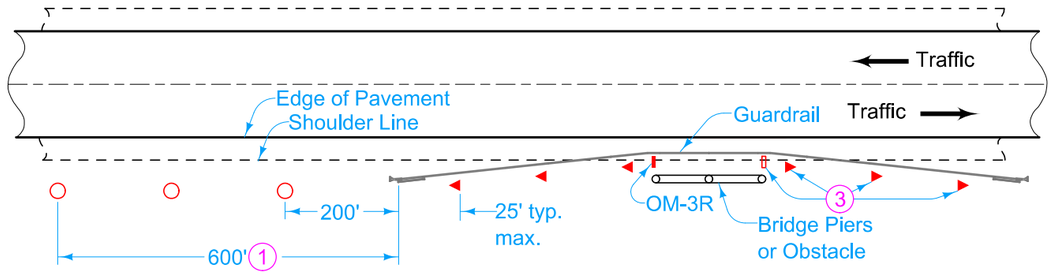
SI-211
SHEET 1 of 3

REVISIONS: Removed OM-3L from Type 8.

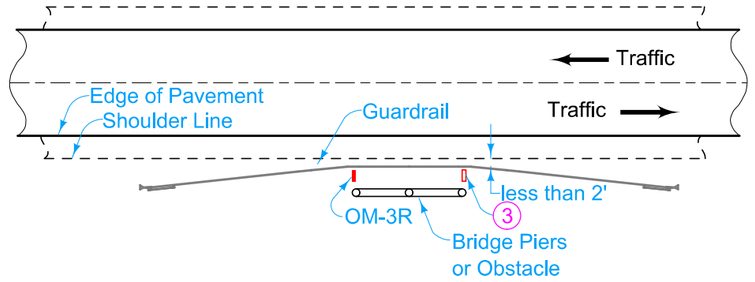
APPROVED BY DESIGN METHODS ENGINEER

OBJECT MARKER AND DELINEATOR PLACEMENT WITH GUARDRAIL

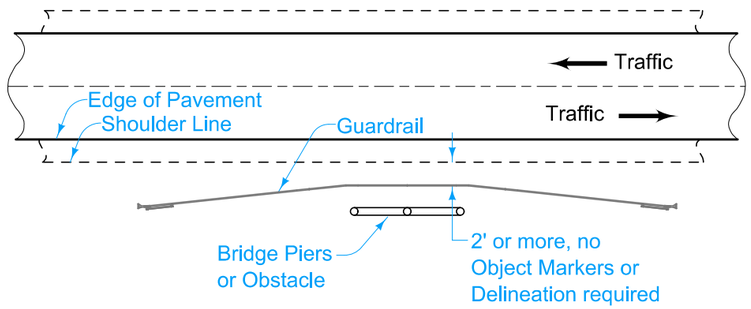
TYPE 4:
Beginning 25 feet from the approach end of guardrail, install Type 2 Object Markers at 25 foot intervals behind the guardrail. Beginning 200 feet in front of approach end of the guardrail, install 3 Single White Delineators at 200 foot spacing. Additional markers as shown.



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

(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.

LEGEND

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

IOWA DOT

STANDARD ROAD PLAN

REVISION	
3	10-18-22

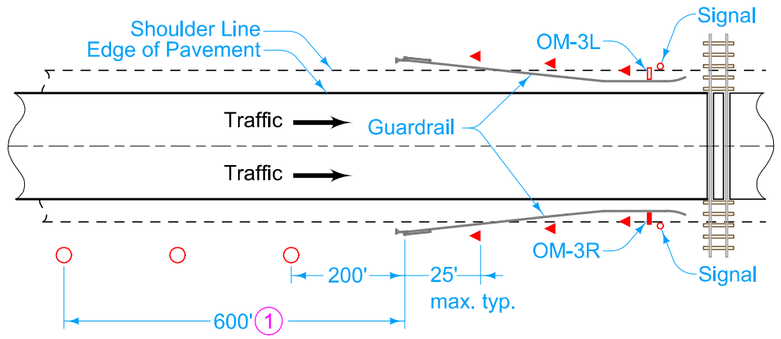
SI-211

SHEET 2 of 3

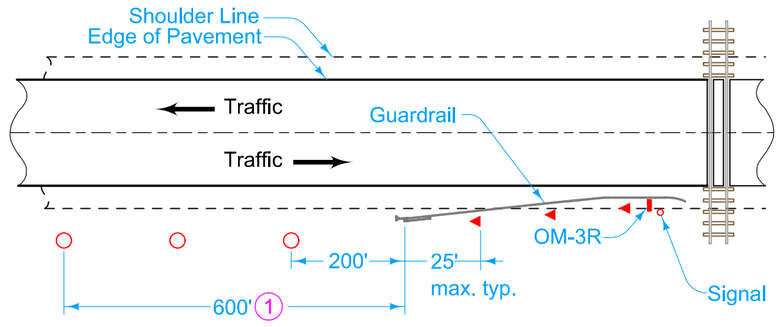
REVISIONS: Removed OM-3L from Type 8.

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

IOWA DOT
STANDARD ROAD PLAN

REVISION	
3	10-18-22

SI-211
SHEET 3 of 3

REVISIONS: Removed OM-3L from Type 8.

APPROVED BY DESIGN METHODS ENGINEER

OBJECT MARKER AND DELINEATOR PLACEMENT WITH GUARDRAIL