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### GENERAL NOTES:

1. W-Beam Guardrail shall be used where working width is greater than 4 ft.
2. MGS W-Beam shall be used where working width is 4 ft or greater.
NOTES:

1. This configuration shall be used where W-beam guardrail at 1 ft - 6 3/4 in. post spacing is specified on a divided lane roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3. The MGS height transition shall not be included in the length of the guardrail end treatment.


LEGEND:

\( L \) = Length of need
\( \times \) = Isolated obstruction
\( \times\times \) = Extended obstruction

MULTI-LANE DIVIDED ROADWAY GUARDRAIL LAYOUT
MULTI-LANE DIVIDED ROADWAY GUARDRAIL LAYOUT

NOTES:

1. This configuration shall be used where W-beam guardrail at 3 ft - 1 1/2 in. post spacing is specified on a divided lane roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3. The MGS height transition shall not be included in the length of the guardrail end treatment.


LEGEND:

L = Length of need
\( \times \) = Isolated obstruction
\( \square \) = Extended obstruction

INFORMATION:

INDIANA DEPARTMENT OF TRANSPORTATION

W-BEAM GUARDRAIL, MULTI-LANE DIVIDED ROADWAY,
WORKING WIDTH ≥ 3’ - 3” AND < 4’ - 0”
SEPTEMBER 2019

STANDARD DRAWING NO. E 601-RHPG-03

DESIGN STANDARDS ENGINEER

CHIEF ENGINEER

DATE

5/12/2019

5/31/2019

5/12/2019

5/31/2019

5/12/2019

5/31/2019
TWO-LANE TWO-WAY ROADWAY GUARDRAIL LAYOUT

NOTES:

1. This configuration shall be used where W-beam guardrail at
   1 ft - 6 3/4 in. post spacing is specified on a two-lane two-way
   roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown
   on the plans.

3. The MGS height transition shall not be included in the length of the
   guardrail end treatment.

4. See Standard Drawing Series E 601-WBGA for W-beam guardrail
   details.

5. See Standard Drawing E 601-MGSA-16 for MGS height transition
details.

LEGEND:

L = Length of need

= Isolated obstruction

= Extended obstruction
TWO-LANE TWO-WAY ROADWAY GUARDRAIL LAYOUT

**NOTES:**

1. This configuration shall be used where W-beam guardrail at 3 ft - 1 1/2 in. post spacing is specified on a two-lane two-way roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3. The MGS height transition shall not be included in the length of the guardrail end treatment.


**LEGEND:**

- L = Length of need
- ◯ = Isolated obstruction
- ☒ = Extended obstruction

**INDIANA DEPARTMENT OF TRANSPORTATION**

W-BEAM GUARDRAIL, TWO-LANE
TWO-WAY ROADWAY,
WORKING WIDTH ≥ 3' - 3" AND < 4' - 0"
SEPTEMBER 2019

STANDARD DRAWING NO. E 601-RHPG-05

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE
MULTI-LANE DIVIDED ROADWAY GUARDRAIL LAYOUT

NOTES:

1. This configuration shall be used where MGS W-beam guardrail at 1 ft - 6 3/4 in. post spacing is specified on a divided lane roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3. Posts at 3 ft - 1 1/2 in. spacing shall not be included in the length of the guardrail end treatment.


LEGEND:

L = Length of need

= Isolated obstruction

= Extended obstruction

INDIANA DEPARTMENT OF TRANSPORTATION

MGS W-BEAM GUARDRAIL, MULTI-LANE DIVIDED ROADWAY, WORKING WIDTH ≥ 4' - 0" AND < 4' - 5"

SEPTEMBER 2019

STANDARD DRAWING NO. E 601-RHPG-06

5/12/2019 5/31/2019

DESIGN STANDARDS ENGINEER

CHIEF ENGINEER
MULTI-LANE DIVIDED ROADWAY GUARDRAIL LAYOUT

NOTES:

1. This configuration shall be used where MGS W-beam guardrail at 3 ft - 1 1/2 in. post spacing is specified on a divided lane roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3. Posts at 3 ft - 1 1/2 in. spacing shall not be included in the length of the guardrail end treatment.


LEGEND:

L = Length of need

= Isolated obstruction

= Extended obstruction

INDIANA DEPARTMENT OF TRANSPORTATION

MGS W-BEAM GUARDRAIL, MULTI-LANE DIVIDED ROADWAY,
WORKING WIDTH ≥ 4' - 5" AND < 5' - 0"
SEPTEMBER 2019

STANDARD DRAWING NO.  E 601-RHPG-07

5/12/2019
5/31/2019
5/12/2019
5/31/2019
5/12/2019
TWO-LANE TWO-WAY ROADWAY GUARDRAIL LAYOUT

NOTES:

1. This configuration shall be used where MGS W-beam guardrail at 1 ft - 6 3/4 in. post spacing is specified on a two-lane two-way roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3 Posts at 3 ft - 1 1/2 in. spacing shall not be included in the length of the guardrail end treatment.


LEGEND:

L = Length of need

= Isolated obstruction

= Extended obstruction

INDIANA DEPARTMENT OF TRANSPORTATION

MGS W-BEAM GUARDRAIL, TWO-LANE TWO-WAY ROADWAY,
WORKING WIDTH ≥ 4'-0" AND < 4'-5"
SEPTEMBER 2019

STANDARD DRAWING NO. E 601-RHPG-08

DESIGN STANDARDS ENGINEER DATE

CHIEF ENGINEER DATE

No. 10200124
STATE OF INDIANA

5/12/2019
5/31/2019
NOTES:

1. This configuration shall be used where MGS W-beam guardrail at 3 ft - 1 1/2 in. post spacing is specified on a two-lane two-way roadway to shield an isolated or extended obstruction.

2. Dimensions and details not shown on this drawing shall be as shown on the plans.

3. Posts at 3 ft - 1 1/2 in. spacing shall not be included in the length of the guardrail end treatment.


LEGEND:

L = Length of need
\( \times \) = Isolated obstruction
\( \times \times \) = Extended obstruction

TWO-LANE TWO-WAY ROADWAY GUARDRAIL LAYOUT