TYPICAL W-BEAM INSTALLATION

TYPICAL DOUBLE FACED W-BEAM INSTALLATION

INDIANA DEPARTMENT OF TRANSPORTATION

W-BEAM
GUARDRAIL ASSEMBLIES
SEPTEMBER 2011

STANDARD DRAWING NO. E 601-WBGA-01

/s/ Richard L. VanCleave  09/01/11
DESIGN STANDARDS ENGINEER  DATE

/s/ Mark A. Miller  09/01/11
CHIEF HIGHWAY ENGINEER  DATE
TYPICAL W-BEAM INSTALLATION AT CURB

W 6 X 9 Post

Ground line

6" x 8" x 1-2" wood block (Typ.)

Edge of paved shoulder

Face of rail

0" min
2'-0" desirable

5/8" Ø button head bolt with round washer and hex nut

W-beam

4" max

Shoulder slope

Face of curb shall be behind face of rail

2'-3 3/4" at face of rail

1'-5"

Edge of required shoulder

1'-0"

29/32" x 1 1/8" skts for 1 1/8" button head bolts (8 required)

3/4" x 2 1/2" for 5/8" button head bolt

STEEL W-BEAM SPLICE DETAIL

INDIANA DEPARTMENT OF TRANSPORTATION

W-BEAM
GUARDRAIL ASSEMBLIES
SEPTEMBER 2011

STANDARD DRAWING NO. E 601-WBGA-02

/s/ Richard L. VanCleave 09/01/11
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/11
CHIEF HIGHWAY ENGINEER DATE
W-Beam Splice Connection
Detail at Post

W-Beam Splice Connection Detail
At Post for Non-Splice Connections
NOTE:

1. All posts shall be 8'-0" length and spaced at 6'-3".

INDIANA DEPARTMENT OF TRANSPORTATION

WR-BEAM GUARDRAIL
SEPTEMBER 2011

STANDARD DRAWING NO. E 601-WBGA-06

/s/ Richard L. VanCleave 09/01/11
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/11
CHIEF HIGHWAY ENGINEER DATE