



2012

### 31" W-beam Guardrail with Standard 8" Offset Block



SGR47

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## INTENDED USE

The 31" [787] W-beam guardrail with standard 8" [203] offset blocks can be used in locations where a maximum dynamic deflection of 43"[1092] or less is acceptable and where a working width of 49" [1245] is provided. The guardrail system should be anchored and terminated using a suitable guardrail end treatment that is approved with a 31" [787] top mounting height. Guardrail sections measuring 300" [7620] long can be used in lieu of the 150" [3810] sections. Another FHWA-approved 8" offset blockout may be substituted for the wood blockout. This system is NCHRP Report 350 and MASH TL-3 compliant.

COMPONENTS Unit Length 150" [3810]		
DESIGNATOR	COMPONENT	NUMBER
PWE01	Wide-Flange Guardrail Post	2
PDB01b	W-beam Timber Blockout	2
RWM02a	2-space W-beam Guardrail	1
FBB01	1-1/4" Guardrail Bolt with Recessed Nut	8
FBB03	10" Guardrail Bolt with Recessed Nut	2

## REFERENCES

R.P. Bligh, A.Y. Abu-Odeh, and W. L. Menges, *MASH Test 3-11 on the 31" W-Beam Guardrail with Standard Offset Blocks*, Report No. FHWA/TX-11/9-1002-4, Texas Transportation Institute, College Station, Texas, March 2011.

## CONTACT INFORMATION

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