

CRG W-Beam Guardrail, Wood Posts

General Information

Appropriate Applications.

- CRG W-beam guardrail is typically used when a minor road or driveway intersects a main road close to a bridge.
- According to the *Roadside Design Guide* Section 5.6.6, this system may be used on all highspeed routes, until an acceptable system is developed. Research and development of a more acceptable system is underway.

Crash Test Criteria	NCHRP Report 230
Test Level	TL-2
FHWA Eligibility Letter	FHWA Technical
	Advisory T5040.32
TF 13 Designator	SGR40
Crash Test Report	TTI report
	405160-10

Limitations.

- The FLH drawing is based on the guidance provided in FHWA Technical Advisory T5040.32.
- Guidance for installing the short-radius guardrail is given for systems with radius sizes ranging between 8.5 ft and 35 ft. The FHWA guidance does not address larger radii above 35 ft.

Layout Guidance.

• See AASHTO Roadside Design Guide Section 5.6.6

Typical Pay Item Used

- 61701-4100 Guardrail system CRG, type 2, class A [LNFT] for galvanized steel
- 61701-4350 Guardrail system CRG, type 4, class B [LNFT] for weathering steel

Updates

February 2019

New Detail drawing

October 2019

• Revised dimensioning on plan view and revised notes

August 2021

• Converted from CFL Detail to FLH Standard