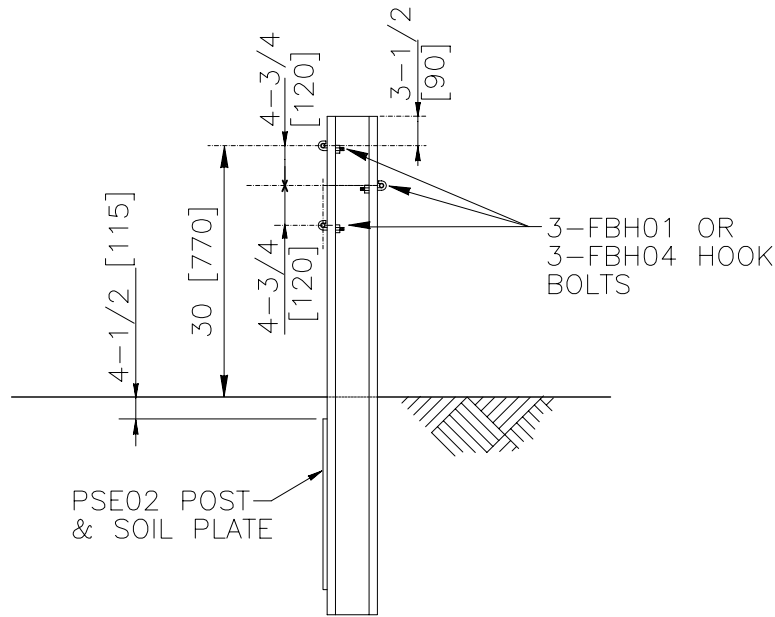


ELEVATION



SECTION

1994

WEAK-STEEL POST CABLE MEDIAN BARRIER

SGM01

SHEET NO.

DATE:

1 of 2

7/18/2005

### INTENDED USE

Cable median barriers are commonly used in wider medians, where there is adequate room behind the barrier to allow a dynamic deflection of up to 138 inches [3500 mm]. The maximum run length for the system is 2000 feet [610 m]. This system must be anchored using a cable anchor and terminal system like SEC01. SGM-01 is a Test Level 3 barrier.

### COMPONENTS

Unit length = 192 inches [4880 mm]

Designator	Component	Number
FBH01	Hook bolts and nuts	3
or FBH04	Hook bolts and nuts	3
PSE02	Post	1
RCM01	Cable (984 ft [300 m] typical)	3

### APPROVALS

FHWA Acceptance Letter [B-64](#) (see supplement letter attached).

### REFERENCES

R.B. Albin, D.L. Bullard, Jr., and W.L. Menges, "Washington State Cable Median Barrier," Transportation Research Record 1743, Transportation Research Board, 2001.

### CONTACT INFORMATION

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Office of Safety  
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Washington, DC 20590  
202-366-2288



## WEAK-STEEL POST CABLE MEDIAN BARRIER

# SGM01

SHEET NO.

DATE

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9/14/05



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

# Memorandum

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Subject: INFORMATION: Generic Cable Barriers (Supplement to Acceptance Letter B-64)      Date:

From: John R. Baxter, P.E.  
Acting Associate Administrator for Safety

In Reply Refer To: HSA-10

To: Resource Center Managers  
Division Administrators  
Federal Land Highway Division Engineers

Mr. Dwight A. Horne's February 14, 2002, memorandum, "Nonproprietary Guardrails and Median Barriers" (FHWA Acceptance Letter B-64), identified most of the commonly used non-proprietary roadside and median barriers that were considered to have met all NCHRP Report 350 test and evaluation criteria for their indicated test levels. Since its issuance, several inquiries have been made concerning the status of specific cable barrier designs that were not listed in that memorandum. Please be advised that the following **roadside cable barrier** is considered to be crashworthy at TL-3 and may be used on the NHS:

### **Weak-Timber Post Cable Guardrail (AASHTO SGRO1c/G1-c)**

Note also that the 3-Strand **cable median barrier** shown in Figure C.1b in the 2002 AASHTO RDG) is classified as an NCHRP Report 350 TL-3 barrier. An earlier **cable median barrier** design, shown in Table C.1 in the 1996 edition of the RDG, has a greater separation between each cable which raises the top cable height to 33 inches while the bottom cable remains at a nominal 21-inch height. This design may also be considered acceptable as a TL-3 barrier.

All of the above designs must be used with a crashworthy cable barrier terminal when installed on the NHS.

