

New Jersey Department of Transportation
CONSTRUCTION ADVISORY

NUMBER: 27	RESET BEAM GUIDERAIL	08/02/2016
CATEGORY: Miscellaneous		

There have been reported instances, on projects that have the item Reset Beam Guiderail, where it is determined that the existing posts are less than 6'-0" long and this condition was not corrected. Guiderail posts that are shorter than 6'-0" do not meet current design requirements.

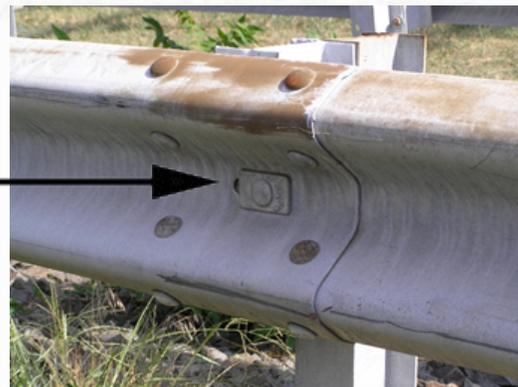
Existing guiderail that was installed prior to 1990 may consist of 5'-9" posts. The easiest way to determine if the existing posts are 5'-9" long is:

1. They have a rectangular washer that attaches the guiderail element to the block out. If the washer is rectangular, then the steel block out is 13" high instead of 14" high.
2. The guiderail also has no backup plates.
3. Synthetic block outs cannot connect to a 5'-9" post since the hole pattern is different.

Corrective Action Notice CAN053 requires that if substandard post lengths (less than 6'-0") in a run of guiderail that is to be reset are encountered during construction, the RE needs to issue a Change Order to replace the entire run of Beam Guiderail. If this change increases the limits of the initial work, a Form DC-150 will need to be initiated. Refer to CPH Section IV Subsection A for guidance.

CAN053 can be accessed at the following link:
<http://www.state.nj.us/transportation/eng/documents/BDC/2002.shtm>

Rectangular washer



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