



TO: SUPERSEDED BY EB 02-019 EFFECTIVE 9/12/02	ENGINEERING INSTRUCTION NEW YORK STATE DEPARTMENT OF TRANSPORTATION
	SUBJECT: CABLE GUIDE RAILING Subject Code : 7.27-2-606-1
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APPROVED:  P.T. Wells, Deputy Chief Engineer, Construction Division  J.R. Lambert, Deputy Chief Engineer, Facilities Design Division	

Attached is a proposal insert that modifies Table "A" on Standard Sheet 606-1R2. The modified table makes 13° the maximum rate of curvature for the cable guide railing.

We are issuing this proposal insert because some designers are misinterpreting the provisions of Table "A" on Standard Sheet 606-1R2 by specifying cable guide railing at locations that have a centerline curvature of more than 13° (440'). If cable guide railing is placed on curves greater than 13° it will not function properly and consequently should not be placed in such locations.

For going construction and design projects that have cable guide railing with a degree of curvature greater than the 13° maximum, one of the following actions should be taken:

1. Change the affected run of cable guide railing to another type of guide railing that may be installed on the degree of curvature required. While tighter radii can be achieved and may be necessary the minimum recommended radius for any of our other guide rail systems is 50 feet. Shop curving is required for box beam guide railing with a radius of 720 feet or less and corrugated beam guide railing with a radius of 150 feet or less.
2. Transition the run of cable guide railing to box beam in the affected area of the barrier.
3. When possible, eliminate the need for the guide railing in the affected area rather than replacing the cable guide railing with a more expensive system.

If you have any questions regarding this instruction, you may call W. E. Hopkins at (518) 457-6399.

This instruction takes effect Oct 30, 1992

CABLE GUIDE RAILING

On Standard Sheet 606-1R2 *add* the following to the end of Table "A":

"Do not install cable guide railing on curves greater than 13° (440 foot radius)."