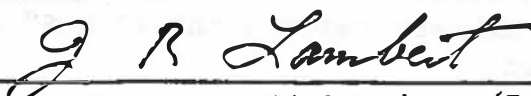


TO: SUPERSEDED BY EI 93-007 EFFECTIVE 11/18/93	ENGINEERING INSTRUCTION NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
	SUBJECT: CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER Subject Code: 7:27-2-606; 7.27-1-606	
Distribution: 30 Main Office 32 Regions 34 Special	Code: EI 92-003 Date: 1-24-92 Supersedes: EI 84-11 EI 79-6	
APPROVED:  J. R. LAMBERT, Deputy Chief Engineer (Fac. Des. Div.)		

Attached are two revised standard sheets and a proposal insert.

606-6R3 Corrugated Beam Guide Railing supersedes standard sheet 606-6R2 issued by EI 84-11.

606-7R2 Corrugated Beam Median Barrier supersedes standard sheet 606-7R1 which was issued by EI 79-6.

The revised standard sheets incorporate the following changes.

1. Detail G is modified to include an intermediate post bolt slot in the rail element.
2. A note stating that intermediate posts added to reduce deflection or because of horizontal curvature shall not be attached to the rail.
3. A note concerning shop curving of rail elements. This information is extracted from EI 88-29.
4. A revised splice bolt (Detail F) to provide a more readily available bolt.
5. Utilization of object markers (W7-11C) at rail openings instead of the 4" X 6" wood post previously shown.
6. Standard Sheet 606-6R3 changes the title of the detail for Typical Driveways and Openings to "Typical End Treatment for Driveways, Walkways, and Other Openings". This information is extracted from EI 87-3.

The proposal insert modifies the Standard Specifications as follows:

Manual	Code	Date	Page 2
Subject: CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER			

1. All reference to "Mall Barrier" in Section 606 changed to "Median Barrier."
2. Provisions for the use of object markers at driveways and other vehicle openings in guide rail have been added to Section 606. The object markers replace the 4" X 6" wood posts previously specified.
3. Materials specification 710-20 has been modified to clarify and simplify the materials requirements for hardware and fasteners required to erect corrugated beam guide railing and median barrier.

If you have any questions concerning this engineering instruction, the standard sheets, or proposal insert, you may call W. E. Hopkins at (518) 457-4092.

The new standard sheets and proposal insert shall become effective with the letting of June 18, 1992.

CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER

Make the following changes to the Standard Specifications of January 2, 1990.

Page 6-14

Under §606-1 DESCRIPTION., *delete* "Corrugated Beam Guide Railing and Mall Barrier" and *replace* it with "Corrugated Beam Guide Railing and Median Barrier."

Under §606-2 MATERIALS. , *delete* "Corrugated Beam Guide Railing and Mall Barrier" and *replace* it with "Corrugated Beam Guide Railing and Median Barrier."

Page 6-15

Under §606-2.03 Guide Posts (Wood). *delete* the second line of this subsection and *replace* it with "Wood Posts, and to the dimensions shown in the contract documents."

Under §606-2.05 Heavy Post Blocked-Out Corrugated Beam Guide Railing and Median Barrier. in the second line *delete* "Mall" and *replace* it with "Median."

Page 6-16

Under §606-2 MATERIALS. *add* the following subsection.

"606-2.09 Object Marker. All object markers required at vehicle openings or driveways shall be fabricated from the following materials conforming to Section 700 Materials:

Aluminum Sign Panels	730-01
Reflective Sheeting, Materials Designation	
730-05.02 or Materials Designation 730-05.03	730-05
Acrylic Plastic Reflex Reflectors	730-10

The posts for mounting object markers shall be galvanized steel U section posts weighing 1.1 pounds per foot."

Under §606-3.01 General, *change* the title of the table to: "SHOP CURVED GUIDE RAILING & MEDIAN BARRIER."

In the table *delete*, "Corrugated Beam Mall Barrier" and *replace* it with "Corrugated Beam Median Barrier."

Page 6-17

Under §606-3.04 *change*, the 6th word in the title of this subsection to Median.

Under §606-3.04A *change*, the 6th word in the title of this subsection to Median.

CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER
(Continued)

Page 6-20

Under §606-3.08 Removing and Storing Guide Railing and Median Barrier. *delete*, the first two lines of this subsection and *replace* with the following: "606-3.08 Removing and Storing Guide Railing, Median Barriers, and Guide Posts. The Contractor shall remove the existing guide railing, median barrier, and guide posts and neatly store their the component parts in separate piles at locations..."

Delete §606-3.09 Resetting Guide Posts. in its entirety *replace* it with "606-3.09 Vacant".

Page 6-23

Under §606-5.02 End Assembly, End Anchorage Units and Transitions for Guide Railing and Median Barrier, *delete* the last line of this subsection and *replace* it with "backfill, and object markers when required at driveways and vehicle openings."

Page 6-24

Under the list of pay items, change the titles of the listed items to read as shown:

Item No.	Item	Pay Unit
606.21	Corrugated Beam Median Barrier	Linear Foot
606.2101	Corrugated Beam Median Barrier (Shop Curved)	Linear Foot
606.2150	Corrugated Beam Median Barrier (Rustic)	Linear Foot
606.2151	Corrugated Beam Median Barrier (Shop Curved)(Rustic)	Linear Foot
606.23	Anchorage Units for Corrugated Beam Guide Railing (Driveways, Walkways, and Other Openings)	Each
606.2350	Anchorage Units for Corrugated Beam Guide Railing (Driveways, Walkways, and Other Openings)(Rustic)	Each
606.24	Anchorage Units for Corrugated Beam Median Barrier	Each
606.2450	Anchorage Units for Corrugated Beam Median Barrier (Rustic)	Each
606.25	Special Anchorage Units for Corrugated Beam Median Barrier	Each
606.2550	Special Anchorage Units for Corrugated Beam Median Barrier (Rustic)	Each
606.51	Resetting Corrugated Beam Median Barrier	Linear Foot
606.55	Resetting Corrugated Beam Median Barrier (New Posts)	Linear Foot
606.57	Resetting Anchorage Units for Corrugated Beam Guide Railing or Median Barrier	Each
606.63	Removing and Storing Corrugated Beam Median Barrier	Linear Foot
606.67	Removing and Storing Anchorage Units for Corrugated Beam Guide Railing and Median Barrier	Each
606.73	Removing and Disposing Corrugated Beam Median Barrier	Linear Foot
606.77	Removing and Disposing Anchorage Units for Corrugated Beam Guide Railing and Median Barrier	Each

CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER
(Continued)

Page 7-84

Delete the title of §710-20 and **replace** it with "Corrugated Beam Guide Railing and Median Barrier."

Under §710-20 **delete**, the subsection titled "Splices" and **replace** with the following:

"Splices. Fasteners, bolts, nuts, and washers shall conform to the following unless specified otherwise in the contract documents:

Bolts	ASTM A307 Grade B
Nuts	ASTM A563 Grade A or better
Washers	ASTM F844

They shall be galvanized in accordance with the requirements for Type II of '§719-01 Galvanized Coatings and Repair Methods' unless another coating method is specified."