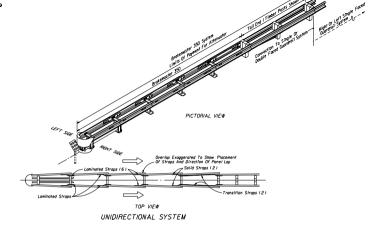
BIDIRECTIONAL SYSTEM

## GENERAL NOTES

- 1. The energy absorbing system represented on this standard drawing is a proprietary design by Energy Absorption Systems, Inc., and marketed under the trade name Brakemaster 350. Any infringement on the rights of the designer shall be the sole responsibility of the user.
- 2. This standard drowing is produced by the Florids Department of Transportation solely for use by the Department and its assignees. This standard drowing provides the general information and graphics necessary to field identify component parts of the Brakemaster 350 system and their incorporation into a whole system.
- 3. This standard drawing is sufficient for plan details for the Brakemaster 350 system installed in connection with standard single and double faced W-beam quardrail systems, and precludes the requirement for stop drawing submittals unless the plans otherwise call for such submittals.
- The Brakemaster 350 system shall be assembled and installed in accordance with the manufacturer's detailed drawings, procedures and specifications.
- 5. The Brakemaster 350 system is suitable for speeds < 60 mph.
- 3. The brakemaster 330 system is surraine for speeds a 60 mpm.
- The Brakemaster 350 system shall be located on slopes of Li IO or flatter and not closer than II' to any traffic lane.
- 7. The 'fail end' section represented on this drawing applies to connections with single and double faced quardral.' Where the Brokemater 350 system is installed in conjunction with safety shaped or vertical faced barrier walls or other rigid structures, a special transitional quardral section between the Brokemaster 350 and with or structure shall be as detailed on index No. 40 or as approved by shop drawing the structures.
- 8. Metallic components shall meet the galvanizing requirements for guardrail, Index No. 400.
- A yellow Type I Object Marker shall be centered 3" in front of the nose of the Brakemaster 350 system, Mounting hardware shall be in conformance with index No. 1860 and 1865. The cost of the Object Marker shall be included in the cost of the BRAKEMASTER 350.
- The Brakemaster 350 system will be paid for under the contract unit price for impact Attenuator Vehicular (Brakemaster), EA.



## DESIGN NOTES AND GUIDELINES

- 1. The Brokemsster 350 system is designed to custion automobile and on hits and to redirect automobiles from side hit when importing at speeds up to and including 60 mph. The Brokemsster 500 system has a singular design for all speeds of 60 mph or less, and any adjustment to its design will not be permitted except as authorized by the manufacturer.
- 2. The Brokemsetter 350 system is specially designed to shield both narrow hooters and the ends of other fixed borriers booted in love frequency impact ores. The Brokemsetter 500 system is not intended for use in gives of freeways and expression position room terminols; gives of roomy forse, one, other gives a size of the state of the sta
- Currently the Department does not recognize other proprietary items as being equally suitable alternatives to the Brakemaster 350, and until such alternatives are available, the Brakemaster 350 need not be bid against other proprietary items.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD DESIGN

BRAKEMASTER 350

	Names	Dates	Approved By		
Designed By	MEC/ING	7/9	State Roadway Design Englisher		
Drawn By	MSO	7/9	Resiston	Sheet No.	Index No.
Checked Sy	we	7/9	00	lof 4	433

