March 10, 2004

INSTRUCTIONAL BULLETIN NO. 2004-7

SUBJECT: QuadGuard Back-up Systems **EFFECTIVE DATE:** March 5, 2004

SUPERSEDES: None

RE: Standard Specifications for Highway Construction **n** (Section 607- i Permanent Terminal Impact Attenuatori)

When using a QuadGuard on the end of a Concrete Median Barrier, a concrete back-up is to be specified as shown on Standard Drawing Number 805-18.

When using a QuadGuard on the end of a bridge parapet wall, a tension strut back-up is to be specified. The tension strut allows the QuadGuard to be shifted several inches to better line-up with the parapet wall. Transition panels will be used with the tension strut to protect opposing traffic, when necessary. If a bridge approach slab is used, Bridge Design should be advised to widen the slab to accommodate the QuadGuard. If an approach slab is not used, grading for an anchor pad must be done.

Approved: _		
	E. S. Eargle Road Design Engineer	

ESE:afg

cc:

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