

INDIANA DEPARTMENT OF TRANSPORTATION

INTER-DEPARTMENT COMMUNICATION
Standards Section -- Room N642

June 15, 1998

DESIGN MEMORANDUM No. 98-03
TECHNICAL ADVISORY

TO: All Design, Operations and District Personnel, and Consultants

FROM: /s/ Richard VanCleave
Richard VanCleave
Design Policy Engineer
Technical Services Division

SUBJECT: Energy Absorbing Terminal

EFFECTIVE: September 10, 1998, Letting

The QuadGuard unit has been developed by Energy Absorption Systems, Inc. to supersede their own G.R.E.A.T. unit. The QuadGuard unit must be specified where the G.R.E.A.T. unit is currently warranted, and must be shown on the plans as the G.R.E.A.T. unit has been shown. The G.R.E.A.T. cz construction zone unit is still acceptable for use and is not affected by this memorandum.

Revised recurring special provisions 601-R-055 and 601-R-056 and new english recurring plan details E 601-EATB-01 through -10 are included in the recurring special provisions update set effective September 1, 1998. New metric standard drawings 601-EATB-01 through -10, and revised 601-MPPG-03 and -04, are included in the metric road standard drawings effective September 1, 1998. Revised english standard drawing CB-1A is included in the english road standard drawings effective September 1, 1998.

Payment for the QuadGuard unit will be made as 601-04754 Energy Absorbing Terminal, per each, without regard to the number of bays in the unit. Payment for the QuadGuard spare parts package will be made as 601-04756 Energy Absorbing Terminal, Spare Parts Package, per each. The number of bays must be shown on the plans. The required number of bays may be determined from the table as follows:

| NUMBER OF BAYS | DESIGN SPEED, km/h | DESIGN SPEED, mph |
|-------------------|--------------------------|-------------------------|
| 2 | 50 | 30 |
| 2 | 60 | 35 |
| 3 | 70 | 40, 45 |
| 4 | 80 | 50 |
| 5 | 90 | 55 |
| 6 | 100 | 60 |
| 8 | 110 | 65 |

RVC:alu

Memorandum developed by Anthony L. Uremovich, Standards Engineer, Technical Services Division.

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