



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

THOMAS F. BARRY, JR.
SECRETARY

Mail Station 32

DATE: October 11, 2001

TO: Greg Xanders, State Construction Engineer
Sharon Holmes, State Maintenance Engineer

FROM: Brian Blanchard, PE
State Roadway Design Engineer

COPIES: Billy Hattaway, Jim Mills, John Grant, Cheryl Adams,
District Design Engineers, District Consultant Project Management Engineers

SUBJECT: Index 415 Precast Concrete Temporary Barrier Wall
Temporary Redirective Crash Cushion Options – Use of the GREATcz

When plans call for Vehicular Impact Attenuator (Temporary) (Redirective Option), the 2000 Roadway and Traffic Design Standards identify 4 options: REACT 350, Quadguard, ADIEM 350 or TRACC. These options all meet NCHRP 350 test criteria and are approved for use on FDOT projects.

One additional option that may currently be used for speeds 45 mph or less that is not included in the 2000 Standards is the GREATcz, subject to certain conditions. The GREATcz meets NCHRP 230 test criteria but has not been tested under NCHRP 350 criteria. However, under agreement with FHWA, the GREATcz can be used on projects let to contract prior to June 30, 2004 for the life of the project or until the unit reaches the end of its service life, whichever comes first. An additional condition is that new GREATcz units purchased after October 1, 1998 cannot be used.

The conditional use of the GREATcz will be made by Special Provision beginning with the July 2002 letting. Until that time we are requesting that you notify construction field personnel that the GREATcz may be used as one of the redirective crash cushion options where speeds are 45 mph and less. We have placed an Interim Standard on the Roadway Design Office web site which provides GREATcz details and conditions for use.

Please contact me at 850-414-4377, Suncom 994-4377, if you have any questions.