

ARIZONA DEPARTMENT OF TRANSPORTATION
ROADWAY ENGINEERING GROUP
OFFICE MEMO

June 4, 1999

TO: Roadway Design Personnel
ADOT and Consultants

FROM: Terry H. Otterness
Design Program Manager
Roadway Design Section

RE: **SKT 350 Guard Rail End Terminal**

The SKT 350 (Sequential Kinking Terminal) is a tangent type guard rail end terminal meeting NCHRP Report 350 Test Level 3 crash criteria. The SKT 350 terminal has been reviewed and approved for use by the ADOT Traffic Product and Maintenance Product Evaluation Committees. The SKT 350 will replace the BEST 350 (discontinued) as a plans alternate for tangent type terminals. The SKT 350 is a 50' long tangent type system consisting of an impact head which sequentially kinks the w-beam guardrail, a cable anchor and bracket assembly, ground strut, wood posts and blocks, and steel foundation tubes.

The Barrier Summary Sheet has been revised to show the SKT 350 in lieu of the BEST 350.

Specifications covering the SKT 350 have been developed and are available upon request from Contracts and Specifications Services.

Details have been developed for the Layout for the SKT 350 for placement along normal shoulder and also with curb and gutter. The details have been prepared as Roadway Group Plans Details and should be included in the plans as applicable. In-house personnel can obtain electronic files of the details in the Cadd Detail Cell library and consultants may obtain the Details through the Roadway Design Cadd Support Team at 602-712-7341. We are in the process of creating a ADOT Roadway Design Web page for consultant access.

The SKT 350 is manufactured by Road Systems, Inc. of Big Spring, Texas and is available through Universal Industrial Sales of Linden, Utah. John Durkos of Road Systems may be reached at 815-464-5917.

The Manufacturer's Approved drawings and Installation Instruction Booklets have been sent to the Districts. Additional copies for designers may be obtained by contacting Tom Scheck at 602-712-8674.

Please implement this alternate on all current design projects where the BEST 350 is or was previously an option.

Please distribute this memo to design personnel, project managers and other affected personnel within your respective groups.

Please call Tom Scheck, Jeri Pulkinen, or me at 602-712-7341 for any questions regarding the SKT 350 materials.

c.

Roadway Engineering Group

Traffic Group

Statewide Project Management Group

Construction Group

Central Maintenance

Bridge Group

Materials Group

Contracts and Specifications Section

Valley Freeway Group

Local Government Section

Regional Traffic Engineers

Engineering Consultant Services

Procurement Group

Al Zubi

Districts (10)

FHWA