MEMORANDUM 04-15

December 29, 2004

To: District Directors
   Toll Road Operations Engineers
   District Construction Engineers
   District Area Engineers
   Project Engineers/Supervisors
   District Materials & Tests Engineers
   District Development Engineers

FROM: Dennis A. Kuchler, Chief
      Contracts and Construction Division

RE: Guidelines for Using Temporary Concrete Traffic Barriers

Temporary concrete barriers are intended to be non-penetrating devices that are used to redirect errant vehicles. To properly accomplish this, the shape and connections are important elements. Segments to be placed into use on the project are to be in reasonable conformance to the lines shown on the plans. Segments showing normal wear and tear may be used. Segments are not to be used if any of the following problems exist.

1. The segment is cracked through (same crack visible on both sides of the segment).

2. The connection hardware is no longer properly functional.

3. Exposed reinforcing steel will be on the side directly adjacent to traffic.

4. The segment has pockets of missing material which could have a detrimental effect on the segment's ability to redirect an errant vehicle (capture a tire). Segments having such pockets of missing material must be repaired prior to being placed in service.

Segments damaged while in use may be temporarily field repaired but shall not be relocated to other locations until properly repaired with concrete. Segments damaged beyond repair shall be removed and replaced with an acceptable segment. Unusable segments are to be removed from the project site. No wall segments shall be stored on site unless written approval is given by the Department. (Our Standard Specifications are being revised to address the above concerns.)

DAK:dl