MEMO
June 9, 2014

To: District Engineers

From: Mark A. Marek, P.E.
Director of Engineering Operations

Subject: Criteria for Use of Concrete Pavement Contraction Design

In our continued effort to implement the most cost-effective concrete pavement solutions available, we are expanding the applications where a Concrete Pavement Contraction Design (CPCD) can be used as an acceptable alternative to a Continuously Reinforced Concrete Pavement (CRCP). The following criterion lists the applications where CPCD can be used instead of CRCP at the discretion of the District Engineer.

- For roadways with design traffic of 40 million Equivalent Single Axle Loads or less
- For frontage roads where CRCP is difficult to construct due to numerous leave-out sections
- For roadways controlled and maintained by another government entity
- For parking areas or roadways with crosswalks, adjacent parking, or sidewalks
- For railroad crossings, approaches to structures or to widen existing jointed pavement
- For intersections and approaches in flexible pavement roadways that are associated with vehicle braking and acceleration which could cause shoving and rutting of an asphalt pavement

Consult the Construction Division - Materials and Pavements Section staff when considering CPCD pavements for situations not covered by the above criteria.

I encourage each of you to use sound engineering judgment to determine the most appropriate and cost-effective concrete pavement type on each individual project. The Texas Department of Transportation’s Pavement Design Guide will include this change in the next revision.

Please share this information with the appropriate members of your staff and continue to use the Construction Division - Materials and Pavements Section staff as a resource for any questions you may have on the selection, design, or construction of CRCP or CPCD. If you have any questions regarding this matter, please contact Mr. John F. Obr, P.E., at 512/416-2559, or Ms. Caroline A. Heinen, P.E., at 512/506-5808.

cc: District Pavement Engineers
   District Laboratory Supervisors
   District Construction Engineers
   John F. Obr, P.E.
   Caroline A. Heinen, P.E.
   Darren G. Hazlett, P.E.
   Andy Naranjo, P.E.