North Dakota DOT – Responses to State Report Questions

1. Has your state built concrete overlays?
   (If no, skip to # 3.)

   Completed one concrete overlay project and are in the development stage on another.

2. If **yes**:
   a. What bid items were used?

   Concrete Pavement with units of cubic yard.
   Concrete Placements with units of square yard.

   b. What efforts were made to re-establish a profile grade?

   Milled existing surface to re-establish cross slope. No change to the existing profile.

   c. What has been your experience with overruns in concrete mix quantities?

   Plan quantity was determined by adding calculated cubic yards plus 10 percent. Project used plan quantity.

   d. How do you typically manage traffic on two-lane and four-lane roadways?
   (Please furnish typical sections if possible.)

   Project was on a divided highway. We constructed median crossovers and maintained head to head traffic on the opposite roadway.

   e. How do you design the overlay thickness?

   We evaluated the pavement design with DARWin and Colorado's Design Methodology to make a design recommendation.

   f. Is your state applying an alternate bidding approach to concrete and HMA overlays?

   No.

3. If **no**:
   a. What are the barriers to trying a concrete overlay?

   b. What would help to address those barriers?