

## Illinois DOT – Responses to State Report Questions

1. Has your state built concrete overlays? Yes.  
(If no, skip to # 3.) Website for Specification: [www.dot.il.gov/desenv/pdf/80210.pdf](http://www.dot.il.gov/desenv/pdf/80210.pdf)
2. If **yes**:
  - a. What bid items were used?  
Pay is per square yard (square meter) of the thickness of the overlay.
  - b. What efforts were made to re-establish a profile grade?  
Typically the surface is milled.
  - c. What has been your experience with overruns in concrete mix quantities?  
This can happen, but is not addressed for State projects. For some Local Agencies, they will insert a separate pay item for concrete that is included in the contract. A theoretical cubic yard (cubic meter) for concrete is calculated and a maximum of 5% over the plan quantity is allowed for payment.
  - d. How do you typically manage traffic on two-lane and four-lane roadways?  
(Please furnish typical sections if possible.)  
For two-lane roads, the road is normally closed.  
For four-lane roads, two-lane two way operations are used.
  - e. How do you design the overlay thickness?  
Website for Design: [www.dot.il.gov/desenv/demanuals.html](http://www.dot.il.gov/desenv/demanuals.html)  
For policy click “BDE Procedure Memorandum” and click “64-08 Portland Cement Concrete Inlay and Overlay”.  
For design program click “Pavement Design Process” and click “PCC Inlay/Overlay Design Spreadsheet”.
  - 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?

**Doug Dirks**