



# INDIANA DEPARTMENT OF TRANSPORTATION

*Driving Indiana's Economic Growth*

## Design Memorandum No. 14-04 Technical Advisory

March 27, 2014

Replaces Design Memo 14-04 previously issued March 26, 2014

**TO:** All Design, Operations, and District Personnel, and Consultants

**FROM:** /s/ Elizabeth W. Phillips  
Elizabeth W. Phillips  
Manager, Office of Standards and Policy  
Division of Bridges

**SUBJECT:** Subgrade Treatment

**REVISES:** *Indiana Design Manual Chapter 17-4.02(01)*

**SUPERSEDES:** Design Memo 10-15

**EFFECTIVE:** Lettings on or after September 1, 2014

The *Standard Specifications* for subgrade treatment have been revised to permit only a single option for each subgrade type.

The revised subgrade treatment options are shown below and have been incorporated into the *Indiana Design Manual*. The specific revisions are shown in the attachment to this memo.

Subgrade	Option
Type I	24 in. of soil compacted to density and moisture requirements
Type IA	Type IA has been deleted from the <i>Standard Specifications</i> .
Type IB	14 in. chemical soil modification.
Type IC	12 in. of subgrade excavated and replaced with coarse aggregate No. 53
Type II	6 in. of the subgrade excavated and replaced with coarse aggregate No. 53.

Type IIA	8 in. chemical soil modification.
Type III	6 in. of soil compacted to density and moisture requirements.
Type IIIA	Type IIIA has been deleted from the <i>Standard Specifications</i>
Type IV	12 in. of the subgrade excavated and replaced with coarse aggregate No. 53 on Type IB geogrid.
Type V	3 in. of subgrade excavated and replaced with 3 in. coarse aggregate No. 53.

Designers should contact the Office of Geotechnical Services for a revised subgrade treatment recommendation if the current recommendation is for Type IA, Type IIIA, or a specific option within the remaining types that is no longer valid.

For Subgrade Treatment Type IIIA, shown in the *Standard Drawings* series 610-DRIV and 610-UTMO, Subgrade Treatment Type II should be used. The drawings will be updated accordingly.

RSP 207-R-616 should be called for if the project includes a pay item whose 3-digit prefix is 207 or 215. The RSP will be available on the Recurring Special Provisions and Recurring Plan Details Menu at a later date.