



# INDIANA DEPARTMENT OF TRANSPORTATION

Geotechnical Engineering Division  
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**Eric Holcomb, Governor**  
**Joe McGuinness, Commissioner**

## Geotechnical Design Memorandum No. 2021-03

September 8, 2021

TO: Qualified Geotechnical Consultants

FROM: Athar Khan

SUBJECT: Cement Stabilized Subgrade Soil

EFFECTIVE: IMMEDIATELY

The Department has recently approved a Cement Stabilization Subgrade Soil Specification and construction will be in accordance with 219. This a quality assurance/quality control specification. The quality control plan, QCP will be submitted in accordance with ITM 803.

The recommendation for cement stabilization of subgrade soils shall be considered during the geotechnical investigation process and recommended in the geotechnical report if applicable. Cement stabilization of subgrade soils shall be considered for use on projects where interstate reconstruction or lane widening is proposed.

Cement stabilization of subgrade soils shall not be recommended if the following conditions exist:

- Groundwater levels are noted within five feet of the subgrade depth
- Interbedded limestone or shale bedrock
- The bedrock including weathered shale is within two feet of the subgrade
- Soils do not meet the requirements of 207

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