

PURPOSE

This document is intended as a guide in determining the geotechnical investigation and design needs for highway projects that are primarily roadway projects. The lead road designer for the project should answer the review questions below and follow the instructions on page 2 of this document. The Geotechnical Unit should be consulted if there are unusual project characteristics not addressed by the questions below.

REVIEW DATES

1st: _____; 2nd: _____; 3rd: _____; 4th: _____; 5th: _____

	Review Questions	Yes	No
1	Are there structures present? (See the table of structures.)		
2A	For projects located in one of the counties in Chart A, if not skip to #2B.		
	Will there be fills greater than 5 feet?		
	Will there be cuts greater than 5 feet?		
2B	For projects not located in one of the counties in Chart A,		
	Will there be fills greater than 10 feet?		
	Will there be cuts greater than 10 feet?		
3	Will there be fill slopes steeper than 2 horizontal to 1 vertical?		
4	Is rock visible on site or likely within 5 feet of the ground surface?		
5	Is there a potential for mucking or removal of unsuitable soil?		
6	Is there a potential for fill to be placed in wetlands, marsh, or water?		

Structures
<ul style="list-style-type: none">• Bridges, Culverts, Overhead Sign Structures, High Mast Lighting• Drainage Pipes 36" dia. or greater• Large Utilities (Water, Sewer, Conduit Banks) parallel to roadway• Existing buildings or structures in close proximity to roadway

Chart A					
Aiken	Allendale	Bamberg	Barnwell	Beaufort	
Berkeley	Calhoun	Charleston	Chesterfield	Clarendon	
Colleton	Darlington	Dillon	Dorchester	Edgefield	
Florence	Georgetown	Hampton	Horry	Jasper	
Kershaw	Lee	Lexington	Marion	Marlboro	
Orangeburg	Richland	Saluda	Sumter	Williamsburg	

INSTRUCTIONS

1. Answer questions 1 through 6. If the answer to any of the questions is "Yes", the plans along with a copy of this review sheet should be sent to the Geotechnical Unit for review and/or further investigation.
2. If the answer to every question is "No", there is no need for further geotechnical review. The Program Controls Unit should be advised to remove the geotechnical activities RDRW030, RDRW061, RM060, and RM065 from the project template.
3. It may be necessary for the Road Designer to review the plans for geotechnical needs several times during the plan development process if alignments and/or grades are modified after the initial review. Record the dates of the Designer's reviews in the space provided above the "Review Questions". If during these additional reviews the answer to any question is "Yes", instruction 1 above should be followed.
4. For plans that are referred to the Geotechnical Unit, the Geotechnical Unit will review the plans and determine if additional geotechnical investigation is required. If no additional investigation is required, the Geotechnical Unit shall notify the Program Controls Unit to remove the geotechnical activities RDRW030, RDRW061, RM060, and RM065 from the project template.
5. If the Geotechnical Unit determines that additional geotechnical investigation is required, The Geotechnical Unit will be responsible for updating geotechnical activities RDRW030 and RDRW061.