STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

ROADWAY DESIGN UNIT
SEP 0 4 2012
BENNETT
STEPHENSON
TAYLOR
BREW
GOODNIGHT
HAMIDI
MUNFORD
LOVERING
HAIRE
FYI
REVIEW/DISCUSS WITH
PREPARE REPLY

August 28, 2012

MEMORANDUM TO: Jay Bennett, P.E.
State Roadway Design Engineer

Mohammed Mulla, P.E., C.P.M.
Contracts and Statewide Services Manager

K. J. Kim, Ph.D., P.E.
Eastern Regional Geotechnical Manager

John Pilipchuk, L.G., P.E.
Western Regional Geotechnical Manager

FROM: Njoroge Wainaina, P.E.
State Geotechnical Engineer

SUBJECT: Standard Geotechnical Summary Tables

The Technical Support Group of the Support Services Section of the Geotechnical Engineering Unit (GEU) has completed the new standard geotechnical summary tables for the 3-series sheets in the Roadway plans. Use these summary tables beginning with the February 19, 2013 letting.

For future projects or current projects without completed Geotechnical Roadway Foundation Recommendations, the GEU will include completed geotechnical summary tables with the roadway recommendations. The completed summary tables will be available from the electronic geotechnical roadway recommendation files at the following location:
Drive:\TIPProjects-B,R,U,etc.\TIP#\Geotech\InvestigationDesign\TIP#_GEO_RDWY\NON_CADD
For current projects with completed Geotechnical Roadway Foundation Recommendations, Roadway Design should create summary tables from previously received geotechnical reports. For all current and future projects, Roadway Design should also include any subsurface drainage from the Geotechnical Pavement Design Recommendations and any bridge waiting periods from the Geotechnical Structure Foundation Recommendations in the summary tables.

For projects with Pre-Let Field Inspections and geotechnical summary tables, Roadway Design should include the summary tables in the field inspection plans. Based on the plans received through the normal field inspection distribution, the GEU will confirm by e-mail that the summary tables are correct or request corrections by the due date for field inspection comments. For projects without Pre-Let Field Inspections and with geotechnical summary tables (bridge projects), Roadway Design should notify the GEU Regional Design Engineer and Geotechnical

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL ENGINEERING UNIT
1589 MAIL SERVICE CENTER
RALEIGH NC 27699-1589

TELEPHONE: 919-707-6850
FAX: 919-250-4237

www.ncdot.gov/doh/preconstruct/highway/geotech

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

Manager by e-mail of the location of the electronic summary table files when initiating the Final Plans Checklist. The GEU will then confirm by e-mail that the summary tables are correct or request corrections within 5 working days of receiving notification. Roadway Design should also incorporate a question into the Final Plans Checklist to remind Roadway Design Engineers of this new coordination step.

The new standard geotechnical summary tables are attached to this memorandum for your reference. If there are any questions, please contact Scott Hidden, P.E. at (919) 707-6856.

Attachment: Standard Geotechnical Summary Tables

cc: Randy Garris, P.E., State Contract Officer
Cynthia Terrell, P.E., Plans and Standards Engineer
Jim McMellon, P.E., CADD Support Group Project Design Engineer
Rodger Rochelle, P.E., Transportation Program Management Director
Lamar Sylvester, P.E., State Roadway Construction Engineer

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RALEIGH NC 27610

GEC25522

COMPUTED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

(2-19-13)

PROJECT NO.	SHEET NO.
	3-??

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
CONTINGENCY					
				TOTAL LF:	

*UD = Underdrain
*BD = Blind Drain
*SD = Subsurface Drain

SUMMARY OF BRIDGE WAITING PERIODS

Bridge Description	End Bent/ Bent No.	MONTHS

SUMMARY OF SETTLEMENT GAUGES

Gauge No.	LINE	Approx. Station	Approx. Offset
		TOTAL GAUGES (EACH):	

SUMMARY OF ROCK PLATING

LINE	Beginning Slope	Approx. Station	Ending Slope	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class* 1/2/B	SY
							TOTAL SY:	

*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.

SUMMARY OF EMBANKMENT WAITING PERIODS

LINE	Station	Station	MONTHS

SUMMARY OF SURCHARGES AND SURCHARGE WAITING PERIODS

LINE	Station	Station	Surcharge Height	MONTHS

SUMMARY OF REINFORCED SOIL SLOPES (RSS)

LINE	Beginning Slope	Approx. Station	Ending Slope	Approx. Station	Location LT/RT	SY
					TOTAL SY:	