CONTENTS:

STRUCTURE TITLE SHEET

GEOTECHNICAL REPORT

RIGHT LANE BORING LOGS

SCOUR REPORT SITE PHOTOGRAPHS

RIGHT LANE GRAIN SIZE CURVES

NCDOT GEOTECHNICAL UNIT SOIL AND ROCK CLASSIFICATION LEGEND, TERMS, SYMBOLS AND ABBREVIATIONS

PROFILE 17m LEFT OF -L-REV (DRAWING NO. 4)
CROSS SECTIONS THROUGH PROPOSED LEFT LANE END BENT 1

LEFT LANE GRAIN SIZE CURVES
BORING LOCATION PLAN (DRAWING NO. 9)
PROFILE 3M RIGHT OF -L-REV (DRAWING NO. 10)
CROSS SECTIONS THROUGH PROPOSED RIGHT LANE END BENT 1

THROUGH RIGHT LANE END BENT 2 (DRAWING NOS. 11-14)

RIGHT LANE AASHTO/ASTM LABORATORY RESULTS (MACTEC)

RIGHT LANE AASHTO/ASTM LABORATORY RESULTS (NCDOT)

THROUGH LEFT LANE END BENT 2 (DRAWING NOS. 5-8) LEFT LANE BORING LOGS
LEFT LANE AASHTO/ASTM LABORATORY RESULTS (MACTEC)

BORING LOCATION PLAN (DRAWING NO. 3)

SITE LOCATION MAP & TOPOGRAPHIC SITE MAP (DRAWING NOS. 1 & 2)

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL UNIT

STRUCTURE

SUBSURFACE INVESTIGATION

F.A. PROJECT N/ACOUNTY BLADEN SR 1191 (OLD NC 41) SITE DESCRIPTION DUAL BRIDGES ON NC 87 STATE STATE PROJECT REFERENCE NO. 46 34467.1.1 1 STATE PROJ. NO. F. A. PROJ. NO. DESCRIPTION P.E CONST

STATE PROJECT 34467.1.1 I.D. NO. R-2562C PROJECT DESCRIPTION NC 87 FROM NC 131 TO

OVER REEDY MEADOW SWAMP

CAUTION NOTICE

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WAS MADE FOR THE PURPOSE OF STUDY, PLANNING AND DESIGN, AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES, AND SOIL TEST DATA AVAILABLE MAY BE REVIEWED OR INSPECTED IN RALEIGH BY CONTACTING THE N. C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL UNIT © (919) 250-4088. NEITHER THE SUBSURFACE PLANS AND REPORTS, NOR THE FIELD BORING LOGS, ROCK CORES, OR SOIL TEST DATA IS PART OF THE CONTRACT.

SHEET NO.

8-11

12-15

17-22 23

25-28

29-35

40-42 43-44

CENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BORCHOLE. THE LABORATORY SAMPLE DATA AND THE IN STIU (IN-PLACE) TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIABILITY INHERENT IN THE STANDARD TEST METHOD. THE OBSERVED WHERE LEVELS OR SOIL MOISTURE CONDITIONS INDICATED IN THE SUBJEPTACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS TO CONDITIONS PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

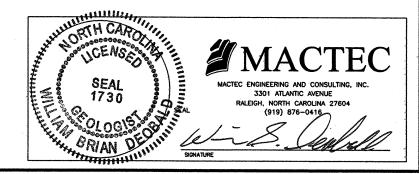
THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND DOCUMENTS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPTATIONS MADE OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BIDDER OR CONTRACTOR IS CAUTIONED TO MAKE SUCH INDEPENDENT SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO CONDITIONS TO BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

NOTE — THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N. C. DEPARTMENT OF TRANSPORTATION AS BEING ACCURATE NOR IT IS CONSIDERED TO BE PART OF THE PLANS, SPECIFICATIONS, OR CONTRACT FOR THE PROJECT.

NOTE — BY HAVING REQUESTED THIS INFORMATION THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HERRIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

MACTEC ENGINEERING AND CONSULTING, INC. PERSONNEL W. DEOBALD INVESTIGATED BY D. WHITE S. CRISCENZO CHECKED BY W. DEOBALD O. SMITH SUBMITTED BY 05/19/04 DATE 06/16/04 REVISED

For Letting



DRAWN BY:_ R. RAHIE