DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
TOTAL FROM SHEET 3B-1	3,137,727	–	4,998,047	4,177,163	2,316,843
TOTAL FROM SHEET 3B-2	415,868	–	742,972	407,166	80,062
TOTAL FROM SHEET 3B-3	70,855	–	546,356	489,335	13,833
TOTAL	3,624,450	–	6,287,376	5,073,664	2,410,739
MATERIAL FOR SHOULDER CONSTRUCTION	–	–	69,600	69,600	–
LOSS DUE TO CLEARING AND GRUBBING	–54,000	–	–	54,000	–
ADDITIONAL UNDERCUT	–	–	–	–	–
ROCK WASTE TO REPLACE BORROW	–	–	–	–64,606	–64,606
ADJUST FOR ROCK WASTE	–	–	–12,921	–12,921	–
WASTE IN LIEU OF BORROW	–	–	–	–2,346,133	–2,346,133
SELECT GRANULAR MATERIAL IN LIEU OF BORROW	–	–	–14,400	–14,400	–
PROJECT TOTAL	3,570,450		6,329,654	2,759,204	–
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT	–	–	–	137,960	–
GRAND TOTAL	3,570,450		–	2,897,165	–
SAY	3,571,000		–	2,900,000	–

CL. IV SUBGRADE STABILIZATION (CONTINGENCY)
=9,500 TONS

EST. DDE = 31,000 CY

UNDERCUT (CONTINGENCY) = 7,500 CY

SHALLOW UNDERCUT (CONTINGENCY) = 5,000 CY

SELECT GRANULAR MATERIAL = 23,000 CY

PAVEMENT AND SHOULDER CONSTRUCTION VOLUMES IN CUT

–L– PAVEMENT STRUCTURE VOLUME = 89,056 CY
–Y1– PAVEMENT STRUCTURE VOLUME = 1,124 CY
–Y2– PAVEMENT STRUCTURE VOLUME = 79 CY
–Y2A– PAVEMENT STRUCTURE VOLUME = 133 CY
–Y3– PAVEMENT STRUCTURE VOLUME = 520 CY
–Y4– PAVEMENT STRUCTURE VOLUME = 25,048 CY
–Y5– PAVEMENT STRUCTURE VOLUME = 12 CY
–Y6– PAVEMENT STRUCTURE VOLUME = 185 CY
–Y7– PAVEMENT STRUCTURE VOLUME = 12 CY
–Y9– PAVEMENT STRUCTURE VOLUME = 418 CY
–Y1DET– PAVEMENT STRUCTURE VOLUME= 3,172 CY
–Y5DET– PAVEMENT STRUCTURE VOLUME= 855 CY
–Y1RPA– PAVEMENT STRUCTURE VOLUME= 3,281 CY
–Y1RPD– PAVEMENT STRUCTURE VOLUME= 3,404 CY
–Y4RPA– PAVEMENT STRUCTURE VOLUME= 2,251 CY
–Y4RPB– PAVEMENT STRUCTURE VOLUME= 716 CY
–Y4RPC– PAVEMENT STRUCTURE VOLUME= 3,721 CY
–Y4RPD– PAVEMENT STRUCTURE VOLUME= 1,184 CY
–Y4RPBD– PAVEMENT STRUCTURE VOLUME=4,787 CY
–Y1LPA– PAVEMENT STRUCTURE VOLUME= 1,054 CY
–Y1LPD– PAVEMENT STRUCTURE VOLUME= 1,428 CY
–Y4LPA– PAVEMENT STRUCTURE VOLUME= 864 CY
–Y4LPB– PAVEMENT STRUCTURE VOLUME= 224 CY
–Y4LPD– PAVEMENT STRUCTURE VOLUME= 888 CY

NOTE: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

COMPUTED BY: N. BEDENBAUGH DATE: 7-21-14
CHECKED BY: P. ROGERS DATE: 7-30-14

PROJECT REFERENCE NO. U-2579B
SHEET NO. 3B-4