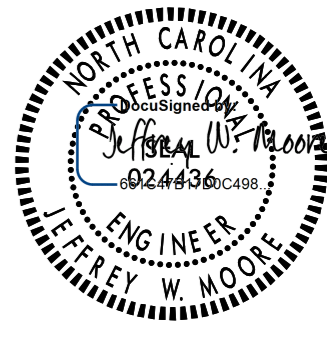


STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. <i>B-5352</i>	SHEET NO. <i>1A</i>
ROADWAY DESIGN ENGINEER	
	
3/26/2018	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

GENERAL NOTES

EFF. 01-16-2018

B-5352
ROCKINGHAM COUNTY

<u>SHEET NUMBER</u>	<u>SHEET</u>	<u>INDEX OF SHEETS</u>
I	TITLE SHEET	
IA	INDEX OF SHEETS, GENERAL NOTES, LIST OF ROADWAY STANDARD DRAWINGS	
IB	CONVENTIONAL SYMBOLS SHEET	
IC-1	SURVEY CONTROL SHEET	
2A-1 THRU 2A-2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND MISCELLANEOUS DETAILS	
2B-1 THRU 2B-2	DETOUR PLAN SHEETS	
2C-1	DETAIL FOR CONVERTING EXISTING JUNCTION BOX TO DROP INLET	
2C-2	DETAIL FOR GUARDRAIL INSTALLATION	
3B-1	SUMMARY OF EARTHWORK	
3B-2	SUMMARIES OF GUARDRAIL AND SHOULDER BERM GUTTER	
3B-3	SUMMARIES OF REMOVAL OF EXISTING ASPHALT PAVEMENT AND CHAIN LINK FENCE	
3D-1	SUMMARY OF DRAINAGE QUANTITIES	
3G-1	GEOTECHNICAL SUMMARIES	
3P-1	PARCEL INDEX SHEET	
4 THRU 5	PLAN SHEETS	
6 THRU 7	PROFILE SHEETS	
TMP-1 THRU TMP-11	TRANSPORTATION MANAGEMENT PLANS	
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS	
EC-1 THRU EC-7	EROSION CONTROL PLANS	
X-0	CROSS-SECTION INDEX	
X-1A	CROSS-SECTION SUMMARY SHEET	
X-1 THRU X-22	CROSS-SECTIONS	
S-1 THRU S-37	STRUCTURE PLANS	

2018 SPECIFICATIONS

EFFECTIVE: 01-16-18

2018 ROADWAY ENGLISH STANDARD DRAWINGS

GRADE LINE:

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.05 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

END BENTS:

THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT.

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" HIGHWAY DESIGN BRANCH - N. C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N. C., DATED JANUARY, 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD.NO. TITLE

DIVISION 2 - EARTHWORK
200.03 METHOD OF CLEARING - METHOD III
225.01 GUIDE FOR GRADING SUBGRADE - INTERSTATE AND FREEWAY
225.05 METHOD OF OBTAINING SUPERELEVATION - DIVIDED HIGHWAY

DIVISION 3 - PIPE CULVERTS
300.01 METHOD OF PIPE INSTALLATION

DIVISION 4 - MAJOR STRUCTURES
422.01 BRIDGE APPROACH FILLS - TYPE I STANDARD APPROACH FILL
422.03 BRIDGE APPROACH FILLS - TYPE A ALTERNATE APPROACH FILL FOR INTEGRAL ABUTMENT

DIVISION 5 - SUBGRADE, BASES, AND SHOULDERS
560.01 METHOD OF SHOULDER CONSTRUCTION - HIGH SIDE OF SUPERELEVATED CURVE - METHOD I

DIVISION 6 - ASPHALT BASES AND PAVEMENTS
654.01 PAVEMENT REPAIRS
665.01 ASPHALT SHOULDERS - MILLED RUMBLE STRIPS

DIVISION 8 - INCIDENTALS
806.01 CONCRETE RIGHT-OF-WAY MARKER
806.02 GRANITE RIGHT-OF-WAY MARKER
838.01 CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS - 15' THRU 48" PIPE 90 SKEW
838.11 BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS - 15' THRU 48" PIPE 90 SKEW
840.00 CONCRETE BASE PAD FOR DRAINAGE STRUCTURES
840.18 CONCRETE GRATED DROP INLET TYPE 'B' - 12" THRU 36" PIPE
840.20 FRAMES AND WIDE SLOT FLAT GRATES
840.22 FRAMES AND WIDE SLOT SAG GRATES
840.25 ANCHORAGE FOR FRAMES - BRICK OR CONCRETE OR PRECAST
840.27 BRICK GRATED DROP INLET TYPE 'B' - 12" THRU 36" PIPE
840.34 TRAFFIC BEARING JUNCTION BOX - FOR USE WITH PIPES 42" AND UNDER
840.35 TRAFFIC BEARING GRATED DROP INLET - FOR CAST IRON DOUBLE FRAME AND GRATES
840.54 MANHOLE FRAME AND COVER
840.66 DRAINAGE STRUCTURE STEPS
840.71 CONCRETE AND BRICK PIPE PLUG
846.01 CONCRETE CURB, GUTTER AND CURB & GUTTER
846.04 DROP INLET INSTALLATION IN SHOULDER BERM GUTTER
850.01 CONCRETE PAVED DITCHES
850.10 GUIDE FOR BERM DRAINAGE OUTLET - 15" AND 18" PIPE
862.01 GUARDRAIL PLACEMENT
862.02 GUARDRAIL INSTALLATION (USE DETAIL 2C-2 IN LIEU OF SHEET 6 OF 8)
862.04 ANCHORING END OF GUARDRAIL - B-77 AND B-83 ANCHOR UNITS
866.01 CHAIN LINK FENCE - 4', 5' AND 6' HIGH FENCE
876.01 RIP RAP IN CHANNELS
876.02 GUIDE FOR RIP RAP AT PIPE OUTLETS
876.04 DRAINAGE DITCHES WITH CLASS 'B' RIP RAP