2018 ROADWAY ENGLISH STANDARD DRAWINGS

876.02 Guide for Rip Rap at Pipe Outlets

JECT REFERENCE NO.		SHEET NO.	
BR-0107		/A	
	RC	DADWAY DESIGN ENGINEER	
	11111111	SEAL 041453 NGINEE RAVIS POLITIES	
	—DocuSign	RAVIS POLITIES 4/28/20.	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	INDEX OF SHEETS	GENERAL NOTES:	2018 SPECIFICATIONS EFFECTIVE: 01-16-2018	
SHEET NUMBER	SHEET		REVISED:	
1	TITLE SHEET	GRADING AND SURFACING OR RESURFACING AND WIDENING:		
1 A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS	THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES		
1B	CONVENTIONAL SYMBOLS	ARE SHOWN, THE PROFILES SHO	OWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT	
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS	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.		
2C-1	DETAIL FOR GUARDRAIL AT-1 END UNIT			
2C-2	DETAIL FOR GUARDRAIL SYSTEM PARTS			
2C-3	DETAIL FOR GUARDRAIL ANCHOR UNIT, TYPE III			
2C-4	DETAIL FOR GUARDRAIL ANCHOR UNIT, TYPE III - SHOP CURVED	SUPERELEVATION:		
3B-1	SUMMARIES OF EARTHWORK, PAVEMENT REMOVAL, SHOULDER BERM GUTTER, AND GUARDRAIL	ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLAN SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.		
3D-1	DRAINAGE SUMMARY			
3G-1	GEOTECHNICAL SUMMARIES	SHOULDER CONSTRUCTION:		
4	PLAN AND PROFILE SHEET	ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01 SIDE ROADS: THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT.		
RW01 THRU RW04	RIGHT-OF-WAY PLANS			
TMP-1 THRU TMP-2	TRAFFIC MANAGEMENT PLANS			
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS			
EC-1 THRU EC-5	EROSION CONTROL PLANS	INVOLVED.	AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS	
UO-1 THRU UO-2	UTILITIES BY OTHERS PLANS	SUBSURFACE DRAINS:		
X-0	CROSS-SECTION SUMMARY SHEET	SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD, NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.		
X-1 THRU X-4	CROSS-SECTIONS			
S-1 THRU S-14	THRU S-14 STRUCTURE PLANS	GUARDRAIL:		
		CONSTRUCTION AS DIRECTED BY	HOWN ON THE PLANS MAY BE ADJUSTED DURING BY THE ENGINEER, THE CONTRACTOR SHOULD CONSULT O ORDERING GUARDRAIL MATERIAL.	
		TEMPORARY SHORING:		
		SHORING REQUIRED FOR THE MA WORK" IN ACCORDANCE WITH SE	AINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA ECTION 104-7.	

END BENTS:

UTILITIES:

RIGHT-OF-WAY MARKERS:

APPROACHING A BRIDGE.

UTILITY OWNERS ON THIS PROJECT ARE AT&T.

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

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

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

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: TITLE STD.NO. DIVISION 2 - EARTHWORK 200.03 Method of Clearing - Method III 225.02 Guide for Grading Subgrade - Secondary and Local 225.04 Method of Obtaining Superelevation - Two Lane Pavement DIVISION 3 - PIPE CULVERTS 300.01 Method of Pipe Installation DIVISION 4 - MAJOR STRUCTURES 422.02 Bridge Approach Fills - Type II Modified Approach Fill 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 DIVISION 8 - INCIDENTALS 815.02 Subsurface Drain 840.00 Concrete Base Pad for Drainage Structures 840.18 Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe 840.24 Frames and Narrow 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 840.29 Frames and Narrow Slot Flat Grates 840.35 Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates 840.45 Precast Drainage Structure 840.46 Traffic Bearing Precast Drainage Structure 840.66 Drainage Structure Steps 846.01 Concrete Curb, Gutter and Curb & Gutter 846.04 Drop Inlet Installation in Shoulder Berm Gutter 862.01 Guardrail Placement 862.02 Guardrail Installation (Special Detail for Sheet 6 of 8) 862.03 Structure Anchor Units 876.01 Rip Rap in Channels

EFF. 01-16-2018

REV.

NDB NBB NBB SS 7-83 BR-BIB/ NCBO! IREDEEL 131 OVER O! SNOW CREEK NBBBWAYNFYBJNBR-BIB/_FAY-T \$\$USERNAME\$\$\$

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