


8/17/99
I:\DEC-2018 (42) - Development\Roadway\DesignFiles\5823-140-Dave\Development\TIP_Projects_1\1-5823-140-Dave\Roadway\DesignFiles\5823-140-Dave.dwg

| | |
|---|------------------|
| PROJECT REFERENCE NO. 1-5823 | SHEET NO. 1-A |
| ROADWAY DESIGN ENGINEER | |
|  | |
| Scott Jones 12/12/2018 | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| SHEET NUMBER | SHEET |
|-------------------|--|
| 1 | TITLE SHEET |
| 1A | INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS |
| 1B | CONVENTIONAL SYMBOLS |
| 1C-1 | SURVEY CONTROL SHEETS |
| 1C-2 | SURVEY CONTROL SHEETS - ALIGNMENTS |
| 2A-1 | PAVEMENT SCHEDULE AND TYPICAL SECTIONS |
| 2A-2 | TYPICAL SECTIONS AND ROADWAY DETAILS |
| 2A-3 | ROADWAY DETAILS |
| 2B-1 | ROADWAY DETAIL FOR CROSSED A-B & C-D |
| 2B-2 | ROADWAY DETAIL FOR CROSSED E-F & G-H |
| 2C-1 | SPECIAL DETAIL FOR REPAIR OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT |
| 2C-2 | SPECIAL DETAIL OF TEMPORARY 1" STEEL COVER OVER DRAINAGE STRUCTURE |
| 2C-3 | SPECIAL DETAIL FOR 10" CONCRETE SLEEPER SLAB |
| 2C-4 | SPECIAL DETAIL FOR GUARDRAIL INSTALLATION |
| 3B-1 | SUMMARY OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR, SUMMARY OF ASPHALT PAVEMENT REMOVAL, SUMMARY OF CONCRETE PAVEMENT REMOVAL, SUMMARY OF EARTHWORK & GUARDRAIL SUMMARY |
| 3B-2 | SHOULDER DRAIN SUMMARY |
| 3D-1 THRU 3D-5 | DRAINAGE SUMMARIES |
| 3G-1 | GEOTECHNICAL SUMMARIES |
| 4 - 13 | PLAN SHEETS |
| 14 | PROFILE SHEET (BRIDGE) |
| TMP-1 THRU TMP-10 | TRAFFIC MANAGEMENT PLANS |
| EC-1 THRU EC-23 | EROSION CONTROL PLANS |
| X-1 THRU X-72 | CROSS-SECTIONS |
| S1-1 THRU S1-34 | STRUCTURE PLANS (BRIDGE NO. 32) |
| S2-1 THRU S2-34 | STRUCTURE PLANS (BRIDGE NO. 29) |
| S3-1 THRU S3-23 | STRUCTURE PLANS (BRIDGE NO. 18) |
| SN | STANDARD NOTES (FOR STRUCTURES) |

GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

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. 560.02

SHOULDER DRAINS:
SHOULDER DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 816.02 AND DETAILS IN PLANS AT LOCATIONS DIRECTED BY THE ENGINEER.

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.

UTILITIES:
NO UTILITY CONSTRUCTION ANTICIPATED ON THIS PROJECT

2018 ROADWAY ENGLISH STANDARD DRAWINGS

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 Highways |
| 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 | |
| 560.02 | Method of Shoulder Construction - High Side of Superelevated Curve - Method II |
| DIVISION 6 - ASPHALT BASES AND PAVEMENTS | |
| 665.01 | Asphalt Shoulders - Milled Rumble Strips |
| DIVISION 8 - INCIDENTALS | |
| 816.01 | Concrete Pads - for Shoulder Drain Installation |
| 816.02 | Aggregate Shoulder Drain |
| 816.04 | Markers for Drainage Structure and Concrete Pad |
| 840.00 | Concrete Base Pad for Drainage Structures |
| 840.18 | Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe |
| 840.19 | Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe |
| 840.20 | Frames and Wide Slot Flat Grates |
| 840.22 | Frames and Wide Slot Sog Grates |
| 840.25 | Anchorages for Frames - Brick or Concrete or Precast |
| 840.27 | Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe |
| 840.28 | Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe |
| 840.35 | Traffic Bearing Grated Drop Inlet |
| 840.37 | Steel Grate and Frame |
| 840.45 | Precast Drainage Structure |
| 840.46 | Traffic Bearing Precast Drainage Structure |
| 840.66 | Drainage Structure Steps |
| 840.72 | Pipe Collar |
| 846.01 | Concrete Curb, Gutter and Curb & Gutter |
| 846.02 | Drop Inlet Installation in Expressway Gutter |
| 846.04 | Drop Inlet Installation in Shoulder Berm Gutter |
| 862.01 | Guardrail Placement |
| 862.02 | Guardrail Installation |
| 862.03 | Structure Anchor Units |
| 862.04 | Anchoring End of Guardrail - B-77 and B-83 Anchor Units |
| 865.01 | Cable Guiderail |
| 866.02 | Woven Wire Fence - with Wood Post |
| 876.01 | Rip Rap in Channels |
| 876.02 | Guide for Rip Rap at Pipe Outlets |
| 876.04 | Drainage Ditches with Class 'B' Rip Rap |