SHEET NUMBER

2A-1 THRU 2A-4

2C-1 THRU 2C-6

2G-1 THRU 2G-3

3B-1 THRU 3B-2

2C-7 THRU 2C-10

2C-11 THRU 2C-14

1C-1

2C-15

3D-1

3G-1

RF -1

X-1A

6 THRU 8

TMP-1 THRU TMP-9

PMP-1 THRU PMP-2

EC-1 THRU EC- 7

UC-1 THRU UC-5

UO-1 THRU UO-3

X-1 THRU X-31

SIGN-1 THRU SIGN-3

SO1-1 THRU SO1-39

S02-1 THRU S02-28

TITLE SHEET

CONVENTIONAL SYMBOLS

SURVEY CONTROL SHEETS

GUARDRAIL PLACEMENT DETAILS

GUARDRAIL INSTALLATION DETAILS

GUARDRAIL ANCHOR UNIT DETAILS

MODIFIED SHOULDER BERM GUTTER

TEMPORARY SHORING DETAILS

DRAINAGE SUMMARIES

DETOUR PLAN SHEET

PROFILE SHEETS

SIGNING PLANS

CROSS-SECTIONS

STRUCTURE PLANS

STRUCTURE PLANS

PLAN SHEET

GEOTECHNICAL SUMMARIES

TRAFFIC MANAGEMENT PLANS

UTILITY CONSTRUCTION PLANS

UTILITIES BY OTHERS PLANS

CROSS-SECTION SUMMARY SHEET

PAVEMENT MARKING PLANS

EROSION CONTROL PLANS

REFORESTATION PLAN

PAVEMENT SCHEDULE AND TYPICAL SECTIONS

SUMMARY OF EARTHWORK, GUARDRAIL SUMMARY,

REMOVAL OF ASPHALT PAVEMENT, BREAKING OF

ASPHALT PAVEMENT, & SHOULDER BERM GUTTER SUMMARY.

INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS

Prepared in the Office of: JOHNSON, MIRMIRAN, & THOMPSON, INC.

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B-5239 ROADWAY DESIGN ENGINEER

SHEET NO.

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED** 

PROJECT REFERENCE NO.

EFF. 01-17-2012 REV. 02-29-2016

2012 ROADWAY ENGLISH STANDARD DRAWINGS INDEX OF SHEETS

> The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch -N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

> > TITLE

DIVISION 2 - EARTHWORK

STD.NO.

200.02 Method of Clearing - Method II

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 310.10 Driveway Pipe Construction

DIVISION 4 - MAJOR STRUCTURES 422.10 Reinforced Bridge Approach Fills

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

Method of Shoulder Construction - High Side of Superelevated Curve - Method I

DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS

Concrete Pavement Joints - Construction and Contraction Joints

Expansion Joint Layout - for Rigid Doweled Pavement at Bridges

700.03 Dowel Assembly

700.04 Concrete Pavement Header Board

DIVISION 8 - INCIDENTALS

840.00 Concrete Base Pad for Drainage Structures

840.17 Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe

840.18 Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe

840.22 Frames and Wide Slot Sag Grates 840.25

Anchorage for Frames - Brick or Concrete or Precast 840.26 Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe

840.27 Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe

840.29 Frames and Narrow Slot Flat Grates

840.31 Concrete Junction Box - 12" thru 66" Pipe

840.32 Brick Junction Box - 12" thru 66" Pipe

840.45 Precast Drainage Structure

840.54 Manhole Frame and Cover 846.01 Concrete Curb, Gutter and Curb & Gutter

846.04 Drop Inlet Installation in Shoulder Berm Gutter

876.02 Guide for Rip Rap at Pipe Outlets

876.04 Drainage Ditches with Class 'B' Rip Rap

GENERAL NOTES:

2012 SPECIFICATIONS EFFECTIVE: 01-17-2012 REVISED: 01-24-2017

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 II.

SUPERELEVATION:

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 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

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. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

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 NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

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:

UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY, AT&T, CHARTER, PIEDMONT NATURAL GAS AND ALAMANCE BURLINGTON SCHOOL SYSTEM.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

RIGHT-OF-WAY MARKERS:

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