



EFF. 01-17-2012
REV. 05-24-2017

2012 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, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

SHEET NUMBER	SHEET	STD. NO.	TITLE
1	TITLE SHEET		
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS		
1B	CONVENTIONAL SYMBOLS		
1C-1 THRU 1C-2	SURVEY CONTROL SHEETS		
2A-1 THRU 2A-4	PAVEMENT SCHEDULE AND TYPICAL SECTIONS		
2C-1 THRU 2C-14	GUARDRAIL DETAILS		
2C-15	COAL COMBUSTION DETAIL		
2C-16	MODIFIED CONCRETE FLUME DETAIL		
2D-1	DRAINAGE DETAIL		
2G-1	ROCK PLATING DETAIL		
3B-1	ROADWAY SUMMARIES		
3D-1	DRAINAGE SUMMARIES		
3G-1	GEOTECHNICAL SUMMARIES		
4 THRU 9	PLAN AND PROFILE SHEET		
TMP-1 THRU TMP-7	TRAFFIC MANAGEMENT PLANS		
PMP-1 THRU PMP-3	PAVEMENT MARKING PLANS		
EC-01 THRU EC-07	EROSION CONTROL PLANS		
SIGN-1 THRU SIGN-3	SIGNING PLANS		
UO-1 THRU UO-2	UTILITIES BY OTHERS PLANS		
X-1A	CROSS-SECTION SUMMARY SHEET		
X-1 THRU X-20	CROSS-SECTIONS		
S-1 THRU S-24	STRUCTURE PLANS		
W-1 THRU W-9	WALL PLANS		
		DIVISION 2 - EARTHWORK	
		200.03	Method of Clearing - Method III
		225.01	Guide for Grading Subgrade - Interstate and Freeway
		225.04	Method of Obtaining Superelevation - Two Lane Pavement
		225.05	Method of Obtaining Superelevation - Divided Highways
		DIVISION 3 - PIPE CULVERTS	
		300.01	Method of Pipe Installation
		DIVISION 4 - MAJOR STRUCTURES	
		422.10	Reinforced Bridge Approach Fills
		DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
		560.02	Method of Shoulder Construction - High Side of Superelevated Curve - Method II (Sheet 2 of 3 is no longer applicable)
		DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
		665.01	Asphalt Shoulders - Milled Rumble Strips
		DIVISION 8 - INCIDENTALS	
		815.02	Subsurface Drain
		840.00	Concrete Base Pad for Drainage Structures
		840.14	Concrete Drop Inlet - 12" thru 30" Pipe
		840.15	Brick Drop Inlet - 12" thru 30" Pipe
		840.17	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
		840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
		840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
		840.20	Frames and Wide Slot Flat 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
		840.28	Brick Grated Drop Inlet Type 'D' - 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
		840.35	Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates
		840.45	Precast Drainage Structure
		840.46	Traffic Bearing Precast Drainage Structure
		840.54	Manhole Frame and Cover
		840.66	Drainage Structure Steps
		846.01	Concrete Curb, Gutter and Curb & Gutter
		846.04	Drop Inlet Installation in Shoulder Berm Gutter
		862.04	Anchoring End of Guardrail - B-77 and B-83 Anchor Units
		866.02	Woven Wire Fence - with Wood Post
		876.01	Rip Rap in Channels
		876.02	Guide for Rip Rap at Pipe Outlets

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 III.

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. 560.02

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.

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 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.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE

- Spectrum
- Windstream
- Duke Energy Progress
- Century Link Telecommunications, Charter Communications

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

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