PROJECT REFERENCE NO. SHEET NO. B-58/8 /A

R/W SHEET NO.

ROADWAY DESIGN
ENGINEER

CARO

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

# GENERAL NOTES

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-01-2018

#### GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE 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.

## 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.

## SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER

## UNDERDRAINS:

UNDERDRAINS SHALL BE CONSTURCTED IN ACCORDANCE WITH STD. NO. 815.03 AT LOCATIONS DIRECTED BY THE ENGINEER

## 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".

## UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE

POWER - PEE DEE ELECTRIC

TELEPHONE - WINDSTREAM

WATER - ANSON COUNTY UTILITIES DEPARTMENT

## ROCK EXCAVATION:

ROCK IS ANTICIPATED BETWEEN -L-: 15+25 to 15+75, 25+75 to 26+25, 30+25 to 32+75, 34+25 to 38+75. BLASTING MAY BE REQUIRED FOR EXCAVATION ON THE PROJECT. SEE SECTION 220 OF THE STANDARD SPECIFICATIONS AND IF APPLICABLE, ROCK BLASTING PROVISION.

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S-1 THRU S-24	STRUCTURE PLANS

# STANDARD DRAWINGS

2018 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. January, 2018

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

DIVISION 2 - EARTHWORK

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

STD.NO.

300.01 Method of Pipe Installation

DIVISION 4 - MAJOR STRUCTURES

422.01 Bridge Approach Fills - Type I Standard Approach Fill

422.03 Reinforced 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 1

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

654.01 Pavement Repairs - for Superpave Mix Types

DIVISION 8 - INCIDENTALS

806.01 Concrete Right-of-Way Marker

806.02 Granite Right-of-Way Marker

815.02 Subsurface Drain

815.03 Pipe Underdrain and Blind Drain 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

840.25 Anchorage for Frames - Brick/Concrete/Precast Concrete

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 Strucure – (Solid and Waffle Wall)

840.45 Precast Drainage Strucure - (Solia and Watt 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

862.03 Structure Anchor Units - Guardrail Anchor Unit,

Type III for Attachment to Rail on Bridge

862.04 ANCHORING END OF GUARDRAIL - FOR 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

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