B-5980/BR-0039/BR-0036 | IA

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EFF. 01-16-2018

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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: DIVISION 2 - EARTHWORK 200.03 Method of Clearing - Method III 225.01 Guide for Grading Subgrade - Interstate and Freeway

225.02 Guide for Grading Subgrade - Secondary and Local Deceleration and Acceleration Lanes Method of Obtaining Superelevation - Two Lane Pavement Method of Obtaining Superelevation - Divided Highways Method of Grading Sight Distance at Intersections 225.08 Earth Berm Median Pier Protection Guide for Shoulder and Ditch Transition at Grade Separations Guide for Berm Ditch Construction 275.01 Rock Plating

2018 ROADWAY ENGLISH STANDARD DRAWINGS

DIVISION 3 - PIPE CULVERTS 300.01 Method of Pipe Installation Parallel Pipe End Section - Precast Concrete Section for 15" to 24" Pipe Cross Pipe End Section - Precast Concrete Section for 18" to 30" Pipe Driveway Pipe Construction 310.10 DIVISION 4 - MAJOR STRUCTURES

422.01 Bridge Approach Fills - Type I Standard Approach Fill Bridge Approach Fills - Type II Modified 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 I

560.02 Method of Shoulder Construction - High Side of Superelevated Curve - Method II DIVISION 6 - ASPHALT BASES AND PAVEMENTS 610.03 Guide for Paving Shoulders Under Bridges - Method III 654.01 Pavement Repairs Asphalt Shoulders - Milled Rumble Strips

DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS Concrete Pavement Joints - Construction and Contraction Joints Expansion Joint Layout - for Rigid Doweled Pavement at Bridges Dowel Assembly Concrete Pavement Header Board Tying Proposed Pavement to Existing

DIVISION 8 - INCIDENTALS 806.01 Concrete Right-of-Way Marker Granite Right-of-Way Marker 806.02 Subsurface Drain Reinforced Concrete Endwall - for Single 54" Pipe 90 Skew

838.45

838.51

Notes for Reinforced Brick Endwall - Std. Dwg 838.51 thru 838.70 Concrete Base Pad for Drainage Structures Brick Catch Basin - 12" thru 54" Pipe Concrete Catch Basin - 12" thru 54" Pipe 840.02 Frame, Grates and Hood - for Use on Standard Catch Basin 840.03 Concrete Drop Inlet - 12" thru 30" Pipe 840.14

Reinforced Brick Endwall - for Single 54" Pipe 90 Skew

840.15 Brick Drop Inlet - 12" thru 30" Pipe Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15 840.16 Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe 840.17 Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe

Notes for Reinforced Concrete Endwall - Std. Dwg 838.21 thru 838.40

840.20 Frames and Wide Slot Flat Grates Frames and Wide Slot Sag Grates 840.22 840.24 Frames and Narrow 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

840.19 Concrete Grated Drop Inlet Type 'D' - 12" thru 36" 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

840.32 Brick Junction Box - 12" thru 66" Pipe Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates Traffic Bearing Grated Drop Inlet - for Steel (840.37) Double Frame and Grates 840.36 840.37 Steel Grate and Frame

Traffic Bearing Precast Drainage Structure 840.46 Brick Manhole - 12" thru 36" Pipe 840.51 840.52 Precast Manhole - 4', 5' and 6' Diameter

840.45 Precast Drainage Structure

840.53 Precast Manhole with Masonry Base - 12" thru 42" Pipe 840.54 Manhole Frame and Cover 840.66 Drainage Structure Steps

840.72 Pipe Collar 846.01 Concrete Curb, Gutter and Curb & Gutter 846.04 Drop Inlet Installation in Shoulder Berm Gutter Driveway Turnout - Radius Type 848.02

848.04 Street Turnout 852.01 Concrete Islands 852.05 Median Curb for Catch Basin - for Use with 1'-6" Curb and Gutter 852.10 Median Construction - with Curb and 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 866.03 Woven Wire Fence - with Steel 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

GENERAL NOTES:

2018 SPECIFICATIONS EFFECTIVE: 01-16-2018

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.

CLEARING (BR-0039 & BR-0036):

CLEARING LIMITS SHALL EXTEND 5 FEET BEYOND THE TOE OF THE SLOPE WITH NO GRUBBING.

#### SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 AND 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. 560.01 AND 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.

## DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

# STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

# 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 City of Rocky Mount,

Time Warner Cable, Century Link, Duke Energy

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

## RIGHT-OF-WAY MARKERS:

B-5980: RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT. BR-0036/BR-0039 : RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY THE STATE.