

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS**

CONTRACT: C200781 (B-3157) Davidson County  
Bridge Nos. 74 and 76 over SR 1242 and Michael  
Creek and approaches on US 29/64/70 & I-85  
Business Mulkey E&C Project 2001124.00.00

GENERAL NOTES: 2002 SPECIFICATIONS  
EFFECTIVE: 01-15-02

EFF. 01-15-02

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 15, 2002 are applicable to this project and by reference hereby are considered a part of these plans:

Sheet #	Description
1	Title Sheet
1-A	Index of Sheets, General Notes, List of Standards
1-B	Conventional Symbols
2	Pavement Schedule, Wedging Details, & X-Over Pavement Details
2-A thru 2-H	Typical Sections
2-I	Ditch Details
2-J thru 2-N	Natural Channel Design Details
2-O	Plan Sheet of Temporary SBL X-Overs 1 and 2
2-P	Plan Sheet of Temporary NBL X-Overs 1 and 2 & Ramp C Detour
2-Q	Profiles of SBL X-Overs 1 and 2, NBL X-Overs 1 and 2, & Ramp C Detour
2-R	Plan and Profile of -Y1- Detour and -Y3- Detour
2-S and 2-T	Detail of Typical Rock Plating Cross Section
2-U and 2-V	Detail of Guardrail Anchor Unit Type III Modified
2-W	Detail of Guardrail Anchor Unit Type BP
2-X	Detail of Guardrail Anchor Unit Type B-77
2-Y	Detail of Guardrail Anchor Unit NJ-25 Tying to Concrete Barrier
2-Z thru 2-CC	Detail of Guardrail Installation
2-DD	Detail of Driveway Turnout
2-EE	Detail of Guide for Grading Subgrade
2-FF and 2-GG	Detail of Reinforced Bridge Approach fills
2-HH and 2-II	Detail of Wheelchair Ramp Curb Cut
2-JJ thru 2-MM	Detail of Precast Reinforced Concrete Barrier
2-NN	Detail of Concrete Barrier Transition
2-OO	Detail of Temporary 1" Steel Cover over Drainage Structure
2-PP	Detail of Reinforced Endwall
2-QQ	Detail of Traffic Bearing Catch Basin
2-RR and 2-SS	Detail of Temporary Fabric Wall
2-TT and 2-UU	Detail of Structure Anchor Units
2-ZZ	Detail of Temporary Shoring
3 (two sheets)	Summary of Quantities
3-A	R/W Data Sheets
3-B thru 3-E	List of Pipe, Endwalls, Etc. (For Pipe 48" & Under)
3-F	List of Pipe, Endwalls, Etc. (For Pipe 54" & Over) & Guardrail Summary
3-G	Summary of Existing Asphalt Pavement Removal & Summary of Earthwork In Cubic Yards
3-H	Parcel Index Sheet
4 and 5	Plan Sheets
6 thru 9	Profile Sheets
TCP-1 thru TCP-56	Traffic Control Plans
PM-1 thru PM-4	Pavement Marking Plans
EC-1 thru EC-9	Erosion Control Plans
RF-1	Reforestation Plan
SIGN-1 thru SIGN-7	Signing Plans
SIG-1 thru SIG-19	Signal Plans
UC-1 thru UC-8	Utility Construction Plans
UO-1 and UO-2	Utilities by Others Plans
X-0 thru X-82	Cross-Sections
C-1 thru C-19	Culvert Plans
S-1 thru S-56	Structure Plans
W-1 thru W-2	Soil Nail Retaining Wall

**GRADE LINE:  
GRADING AND SURFACING:**

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED 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 OR 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 AND EARTH SHOULDER CONSTRUCTION ON HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01 OR 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.

**UNDERDRAINS:**

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

**DRIVEWAYS:**

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS IN PLANS USING 3" RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS 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 NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING" OR "TEMPORARY SHORING-BARRIER SUPPORTED" DEPENDING UPON THE LOCATION OF THE SHORING.

**SUBSURFACE PLANS:**

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

**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 CORPORATION, CITY OF LEXINGTON-LEXCOM-TELEPHONE  
CITY OF LEXINGTON- LEXCOM-CATV, TIME WARNER- CATV  
CITY OF LEXINGTON- POWER CITY OF LEXINGTON - GAS

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 CONTRACT.

**WHEELCHAIR RAMPS:**

WHEELCHAIR RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. THE CONSTRUCTION OF ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH DETAILS IN PLANS.

**DIVISION 2 - EARTHWORK**

STD.NO.	TITLE
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
225.03	Deceleration and Acceleration Lanes
225.04	Method of Obtaining Superelevation - Two Lane Pavement
225.05	Method of Obtaining Superelevation - Divided Highways
225.09	Guide for Shoulder and Ditch Transition at Grade Separations

**DIVISION 3 - PIPE CULVERTS**

300.01	Method of Pipe Installation - Method 'A'
300.02	Method of Pipe Installation - Method 'B'

**DIVISION 4 - MAJOR STRUCTURES**

422.10	Reinforced Bridge Approach Fills
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**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**

610.04	Asphalt Wearing Surface on Approach Slab
654.01	Pavement Repairs

**DIVISION 8 - INCIDENTALS**

806.01	Concrete Right-of-Way Marker
806.02	Granite Right-of-Way Marker
815.03	Pipe Underdrain and Blind Drain
816.01	Concrete Pads - for Shoulder Drain Installation
816.02	Aggregate Shoulder Drain
816.04	Markers for Drainage Structure and Concrete Pad
820.04	Drain Installation in Shoulder Berm Gutter
838.27	Reinforced Concrete Endwall - for Single 60" Pipe 90° Skew
838.40	Reinforced Concrete Endwall - for Double and Triple 72" Pipes 90° Skew
838.57	Reinforced Brick Endwall - for Single 60" Pipe 90° Skew
838.70	Reinforced Brick Endwall - for Double and Triple 72" Pipes 90° Skew
840.00	Concrete Base Pad for Drainage Structures
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.04	Concrete Catch Basin with Single and Multiple Pipes - 12" thru 48" Pipe
840.05	Brick Catch Basin with Single and Multiple Pipes - 12" thru 48" Pipe
840.17	Concrete Median Drop Inlet Type 'A' - 12" thru 72" Pipe
840.18	Concrete Median Drop Inlet Type 'B' - 12" thru 36" Pipe
840.19	Concrete Median Drop Inlet Type 'D' - 12" thru 36" Pipe
840.20	Frames and Wide Slot Flat Grates
840.22	Frames and Wide Slot Sag Grates
840.24	Frames and Narrow Slot Sag Grates
840.25	Anchorage for Frames - Brick or Concrete
840.26	Brick Median Drop Inlet Type 'A' - 12" thru 72" Pipe
840.27	Brick Median Drop Inlet Type 'B' - 12" thru 36" Pipe
840.28	Brick Median Drop Inlet Type 'D' - 12" thru 36" Pipe
840.30	Driveway Drop Inlet
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe

840.36	Traffic Bearing Drop Inlet - for Steel (840.37) Double Frame and Grates
840.37	Steel Grate and Frame
840.46	Traffic Bearing Precast Drainage Structure
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.71	Concrete and Brick Pipe Plug
840.72	Pipe Collar
846.01	Concrete Curb, Gutter and Curb & Gutter
848.02	Driveway Turnout - Radius Type
848.04	Street Turnout
848.05	Wheelchair Ramp - Curb Cut
850.01	Concrete Paved Ditches
852.01	Concrete Islands
854.01	Double Faced Concrete Barrier - Types I, II, III and IV
857.01	Precast Reinforced Concrete Barrier - 41" Single Faced
862.01	Guardrail Placement
862.02	Guardrail Installation
862.03	Structure Anchor Units
876.01	Rip Rap in Channels
876.02	Guide for Rip Rap at Pipe Outlets
876.03	Drainage Ditches with Class 'A' Rip Rap
876.04	Drainage Ditches with Class 'B' Rip Rap

REVISIONS