

SUPERVISED BY M.A. Russell, P.E. (540) 378-5356
DESIGNED BY Rummel, Klepper & Kahl, LLP (804) 782-1903
PROJECT MANAGED BY Brian Becker, P.E. (540) 378-5049

PRINTS SENT TO	DATE
R/W DIV. COMPLETED PLANS	
DIST. ENGR. COMPLETED PLANS	
RES. ENGR. COMPLETED PLANS	
CONSTR. ENGR. COMPLETED PLANS	

FOR INDEX OF SHEETS SEE SHEET 1A

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S
ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK COMPUTER IDENTIFICATION NO. 17698

Signed and sealed by:
ROBERT J. HALBERT
NAME OF SIGNER
019731
PE No.
On the date of:
02-27-2009
SIGNATURE DATE
A copy of the original signed and
sealed sheet is available.
CONSULTANT LOGO

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

ROANOKE COUNTY
WEST MAIN STREET
FROM: 0.055 MI. E. OF WCL SALEM
TO: 0.100 MI. W. OF RTE 830
PROJECT 0011-080-108, P101, R201, C501

THE COMPLETE ELECTRONIC.TIF VERSION OF THE PLAN ASSEMBLY
AS AWARDED, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE
OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO
ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION
AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH
THE DEPARTMENT'S ROAD AND BRIDGE SPECIFICATIONS DATED
2007, ROAD AND BRIDGE STANDARDS DATED DECEMBER 2008,
WORK AREA PROTECTION MANUAL DATED MAY 2005 AND AS
AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC
.TIF VERSION OF THE PLAN ASSEMBLY.

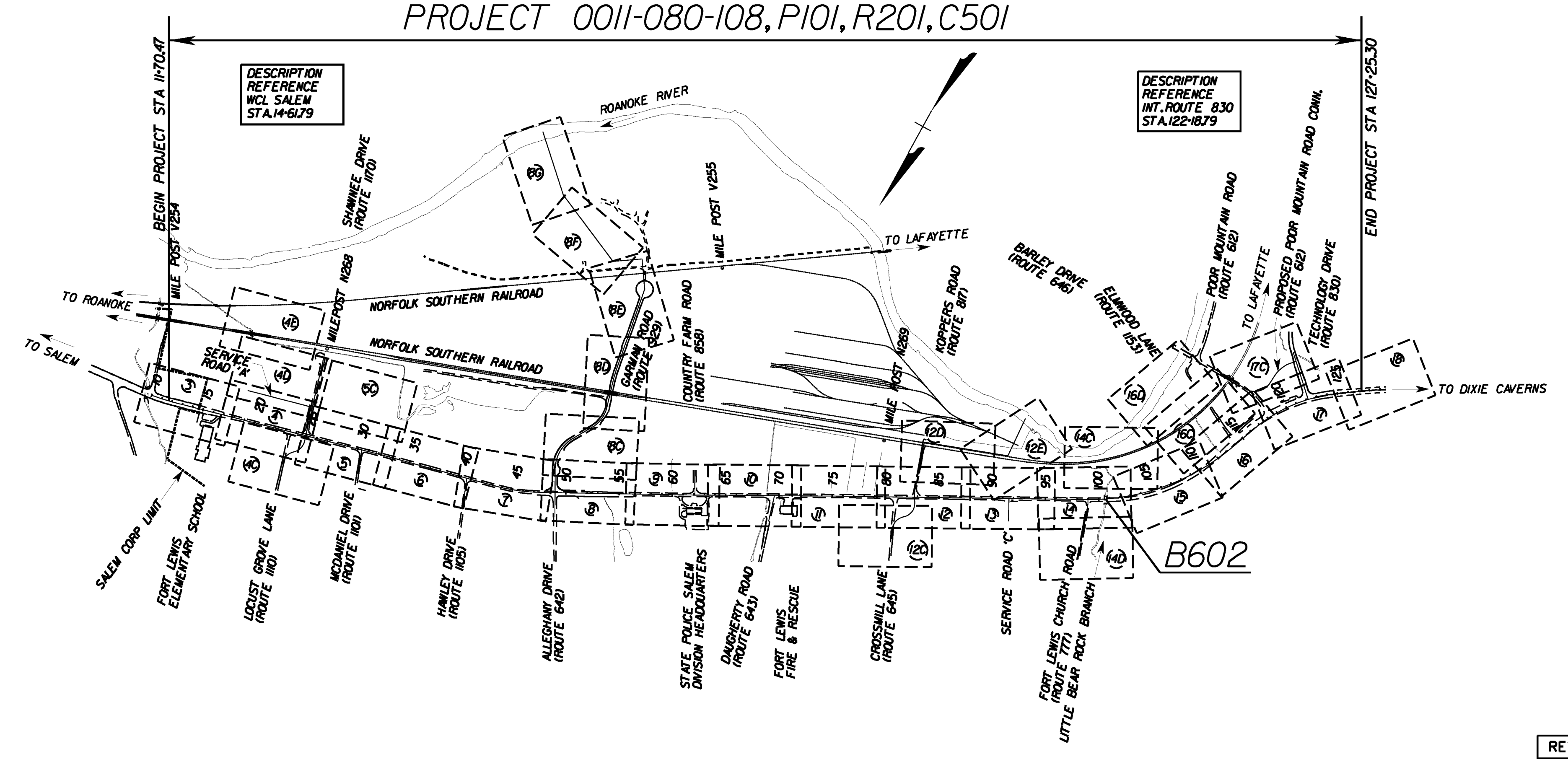
ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND
WIDENED IN ACCORDANCE WITH STANDARD TC-5.01U, EXCEPT WHERE
OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES,
IS FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF
ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND
ENFORCED TO THE FULL EXTENT OF THE LAW.

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
CITY, TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
WATER LINE
SANITARY SEWER LINE
GAS LINE
ELECTRIC UNDERGROUND CABLE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE

LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGES
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION



Roanoke County Population - 85,778 (2000 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	PPMS NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES	FEET	MILES		
0011-080-108	P101	STP 5128 (189)		17698	0.00	11,554.83	2.188	11,510.35	2.180	PRELIM. ENG.	FROM: 0.055 MI. E. OF WCL SALEM	
	R201	STP 5128 (239)		17698		11,554.83	2.188	11,510.35	2.180	RIGHT OF WAY	TO: 0.100 MI. W. OF RTE 830	
	C501	STP 080 2(018)	1000	17698		11,554.83	2.188	11,510.35	2.180	CONST.		
	B602	STP 080 2(018)	X080	17698		44.48	0.008	N/A	N/A	BRIDGE	BRIDGE OVER LITTLE BEAR ROCK BRANCH	

Note: Length of Project based on Route 11 Construction Baseline.

FHWA - 534 - 31003

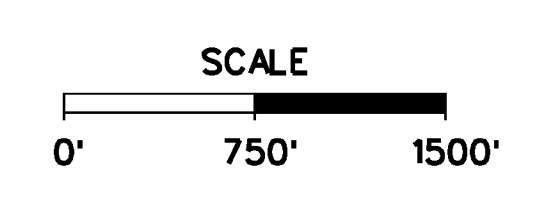
STATE	FEDERAL AID		STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT		
VA.	STP 5128 () SEE TABULATION BELOW FOR SECTION NUMBERS	11	(INFO) 0011-080-108 SEE TABULATION BELOW FOR SECTION NUMBERS		1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

URBAN COLLECTOR - LEVEL TERRAIN - 50 MPH MIN DESIGN SPEED			
	Fr: WCL SALEM To: RTE 642/929	Fr: RTE 642/929 To: RTE 777	Fr: RTE 777 To: RTE 830
ADT	18,000 (2007)	14,700 (2007)	10,100 (2007)
ADT	34,200 (2031)	24,400 (2031)	17,900 (2031)
DHV	3,420	2,440	1,790
D (%) (design hour)	58/42	55/45	51/49
T (%) (design hour)	6%	6%	6%
V (MPH)	-	-	-

* SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL CURVE DESIGN SPEED

EXCEPTION TO 30 MPH DESIGN SPEED FOR RTE. 612 POOR MOUNTAIN ROAD		
STATION TO STATION	DESIGN SPEED (mph)	REASON FOR EXCEPTION
13+31 TO 16+04	25	HORIZONTAL ALIGNMENT



RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
11/29/2006	Dane P. Lewis FOR PROGRAMMING DIVISION DIRECTOR
11/29/2006	Emmett R. Heltzel FOR STATE LOCATION AND DESIGN ENGINEER
11/29/2006	Linda Cheatham FOR CHIEF FINANCIAL OFFICER
11/30/2006	Malcolm T. Kerley CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION	
11/30/2006	David S. Ekern COMMISSIONER

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
06/30/2009	Diane L. Mitchell PROGRAMMING DIVISION DIRECTOR
07/01/2009	Mohammad Mirshahi STATE LOCATION AND DESIGN ENGINEER
07/01/2009	Reta Busher CHIEF FINANCIAL OFFICER

APPROVED FOR CONSTRUCTION	
07/01/2009	Malcolm T. Kerley CHIEF ENGINEER

APPROVED	
DATE	DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION U.S. DEPARTMENT OF TRANSPORTATION