

LIMITED ACCESS HIGHWAY

By Resolution of Highway Commission
dated October 4, 1956

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation
Board dated January 1, 1987

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING
DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. 16595



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
DESIGN-BUILD PROJECT
RFP PLANS

CITY OF ROANOKE
Interstate 581, Valley View Blvd Interchange

From: 0.240 Miles South of Route 101 (Hershberger Rd.)
To: 1.561 Miles South of Route 101 (Hershberger Rd.)

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	
HEDGE	
TREES	
HEAVY WOODS	
GROUND ELEVATION	
GRADE ELEVATION	

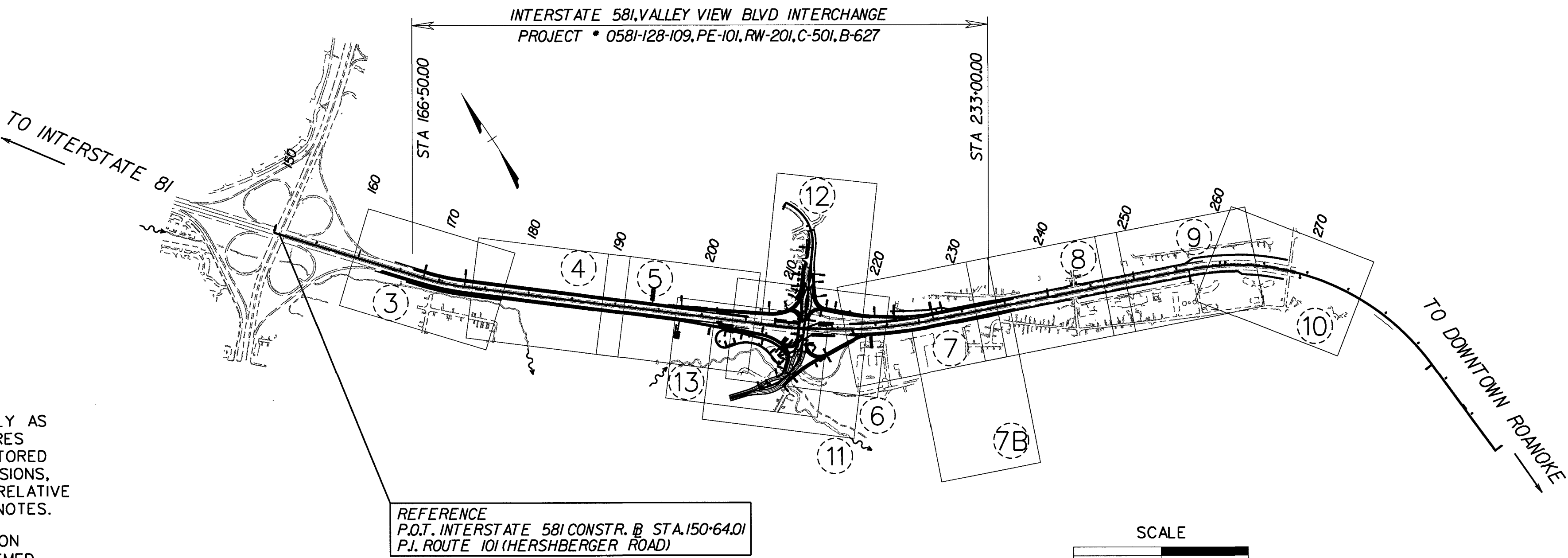
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS
AWARDED HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES
AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED
IN THE VDOT CENTRAL OFFICE, INCLUDING ALL SUBSEQUENT REVISIONS,
WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION 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 2007 ROAD AND BRIDGE SPECIFICATIONS, 2008 ROAD
AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO
THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND
AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE
ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

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

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



Population City of Roanoke 97,032 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES	FEET	MILES			
0581-128-109	PE-101	NH-581-5(035)	PENG	16595			13,213.18	2.502	12,975.12	2.457		PREL. ENGR	From: 0.240 Mi. S. of Route 101 To: 1.561 Mi. S. of Route 101
	RW-201	NH-581-5()	ROWA	16595			13,213.18	2.502	12,975.12	2.457		R.O.W.	From: 0.240 Mi. S. of Route 101 To: 1.561 Mi. S. of Route 101
	C-501	NH-581-5()	I000	16595			13,213.18	2.502	12,975.12	2.457		CONSTRUCTION	From: 0.240 Mi. S. of Route 101 To: 1.561 Mi. S. of Route 101
	B-627	NH-581-5()	X771	16595			238.06	0.045				BRIDGE	Bridge over Interstate 581

Project Lengths are based on Interstate 581 and Valley View Blvd and Ramp W, X, Y, and Z Constr. B

STATE	FEDERAL AID		STATE		SHEET NO.
	PROJECT		ROUTE	PROJECT	
VA.	NH-581-5() (SEE TABULATION BELOW FOR SECTION NUMBERS)		581	(F0) 0581-128-109 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FHWA 534 DATA 3A101

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA			
	INTERSTATE 581	VALLEY VIEW BLVD	INTERCHANGE RAMP
From:	0.240 Mi. S. Route 101	0.095 Mi. W. I-581	
To:	1.561 Mi. S. Route 101	0.214 Mi. E. I-581	
FUNCTIONAL CLASSIFICATION	Urban Principal Arterial	Urban Major Collector	Interchange Ramp
MIN. DESIGN SPEED	60 MPH	30 MPH	30 MPH**
ADT (2010)	73,100	19,700	VARIES
ADT (2036)	93,000	33,900	VARIES
DHV	8,490	2,970	VARIES
D (%) (design hour)	52	56	N/A
T (%) (design hour)	7	2	2
V (MPH)	*	*	*
TC STD.	TC-5.01R	TC-5.04ULS	TC-5.01R
GEOMETRIC STD.	GS-5 (Freeway)	GS-7	GS-R

* See Plan for horizontal curve design speeds.

** Does not apply to ramp terminals at Valley View Blvd. Ramp terminals shall be designed in accordance with AASHTO guidelines.

RFP PLANS
For Information
Only
DATE: 09-20-2012

THE
LANE
CONSTRUCTION
CORPORATION

R.F.P. PLANS

ADDITIONAL EASEMENTS FOR UTILITY
RELOCATIONS MAY BE REQUIRED
BEYOND THE PROPOSED RIGHT OF
WAY SHOWN ON THESE PLANS.

PRELIMINARY EASEMENT FOR UTILITY
RELOCATIONS ARE APPROXIMATE ONLY
AND SUBJECT TO CHANGE AS
PROJECT DESIGN IS FINALIZED.

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

Copyright 2011, Commonwealth of Virginia