

STATE OF VERMONT
AGENCY OF TRANSPORTATION

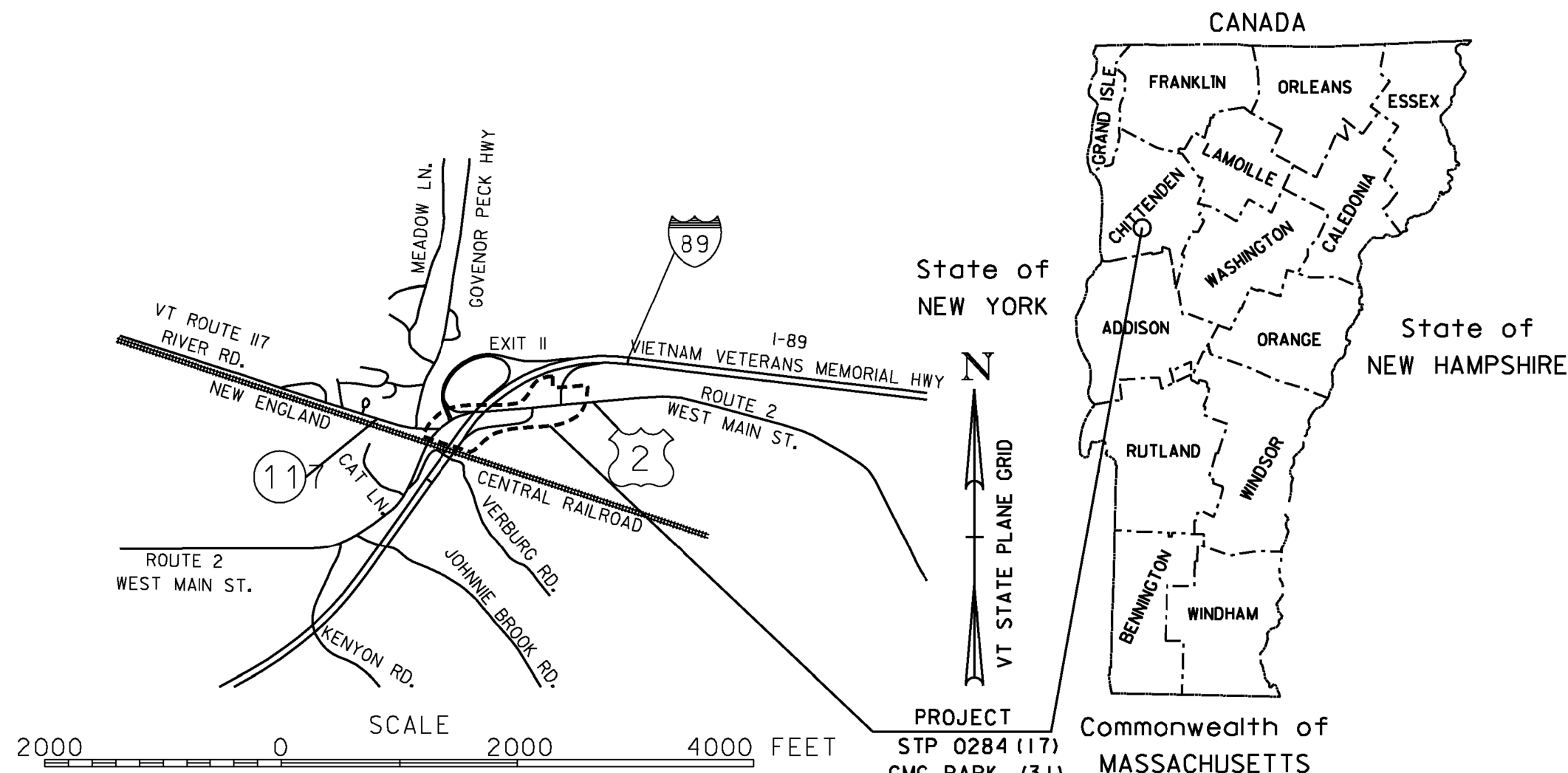


PROPOSED IMPROVEMENT
TOWN OF RICHMOND
COUNTY OF CHITTENDEN
US ROUTE 2 (MAJOR COLLECTOR)

PROJECT STP 0284 (17)

BEGINNING AT A POINT ON US ROUTE 2 IN THE TOWN OF RICHMOND, APPROXIMATELY 62 FEET (0.012 MILE)
WESTERLY OF VT ROUTE 117 AND EXTENDING EASTERLY ALONG US ROUTE 2 FOR A DISTANCE OF 1850 FEET (0.350 MILE),
APPROXIMATELY 324 FEET (0.061 MILE) EASTERLY OF THE I-89 EXIT 11 SOUTHBOUND ON-RAMP "RAMP B".

THIS PROJECT CONSISTS OF BOX WIDENING OF US ROUTE 2, COLD PLANING AND PAVEMENT OVERLAY,
PAVEMENT MARKINGS, DRAINAGE, NEW SIGNAGE, THE INSTALLATION OF NEW TRAFFIC SIGNALS AT THE
INTERSECTION OF US ROUTE 2 AND VT ROUTE 117, AT THE INTERSECTION OF US ROUTE 2 AND I-89 SOUTHBOUND
OFF-RAMP "RAMP D" WITH THE PARK AND RIDE ENTRANCE, AND OTHER HIGHWAY RELATED ITEMS.



US ROUTE 2 (RAMP "B" TO RAMP "D") TRAFFIC DATA		
2014 AADT	10,200	
2034 AADT	12,700	
2014 DHV	1,100	
2034 DHV	1,400	
D	75%	
T	2.3%	
V	25MPH (BETWEEN ROUTE 117 AND RAMP "C")	
	45MPH (BETWEEN RAMP "C" AND END OF PROJECT)	
2014-2034 ESAL	4,531,000	(RAMP F TO VT 117)
2014-2054 ESAL	11,851,000	(RAMP F TO VT 117)

VT ROUTE 117 (BETWEEN GOVERNOR PECK HIGHWAY & US ROUTE 2) TRAFFIC DATA		
2014 AADT	7,500	
2034 AADT	9,300	
2014 DHV	930	
2034 DHV	1,100	
D	61%	
T	6.7%	
V	45MPH	
2014-2034 ESAL	3,659,000	
2014-2054 ESAL	9,591,000	

I-89 EXIT 11 (RAMP "A") TRAFFIC DATA		
2014 AADT	2,400	
2034 AADT	3,000	
2014 DHV	370	
2034 DHV	440	
D	100%	
T	6.4%	
V	25MPH	
2014-2034 ESAL	977,000	
2014-2054 ESAL	2,407,000	

I-89 EXIT 11 (RAMP "B") TRAFFIC DATA		
2014 AADT	2,100	
2034 AADT	2,600	
2014 DHV	330	
2034 DHV	390	
D	100%	
T	7.0%	
V	30MPH	
2014-2034 ESAL	931,000	
2014-2054 ESAL	2,272,000	

I-89 EXIT 11 (RAMP "C") TRAFFIC DATA		
2014 AADT	2,200	
2034 AADT	2,800	
2014 DHV	340	
2034 DHV	410	
D	100%	
T	7.0%	
V	25MPH	
2014-2034 ESAL	835,000	
2014-2054 ESAL	2,037,000	

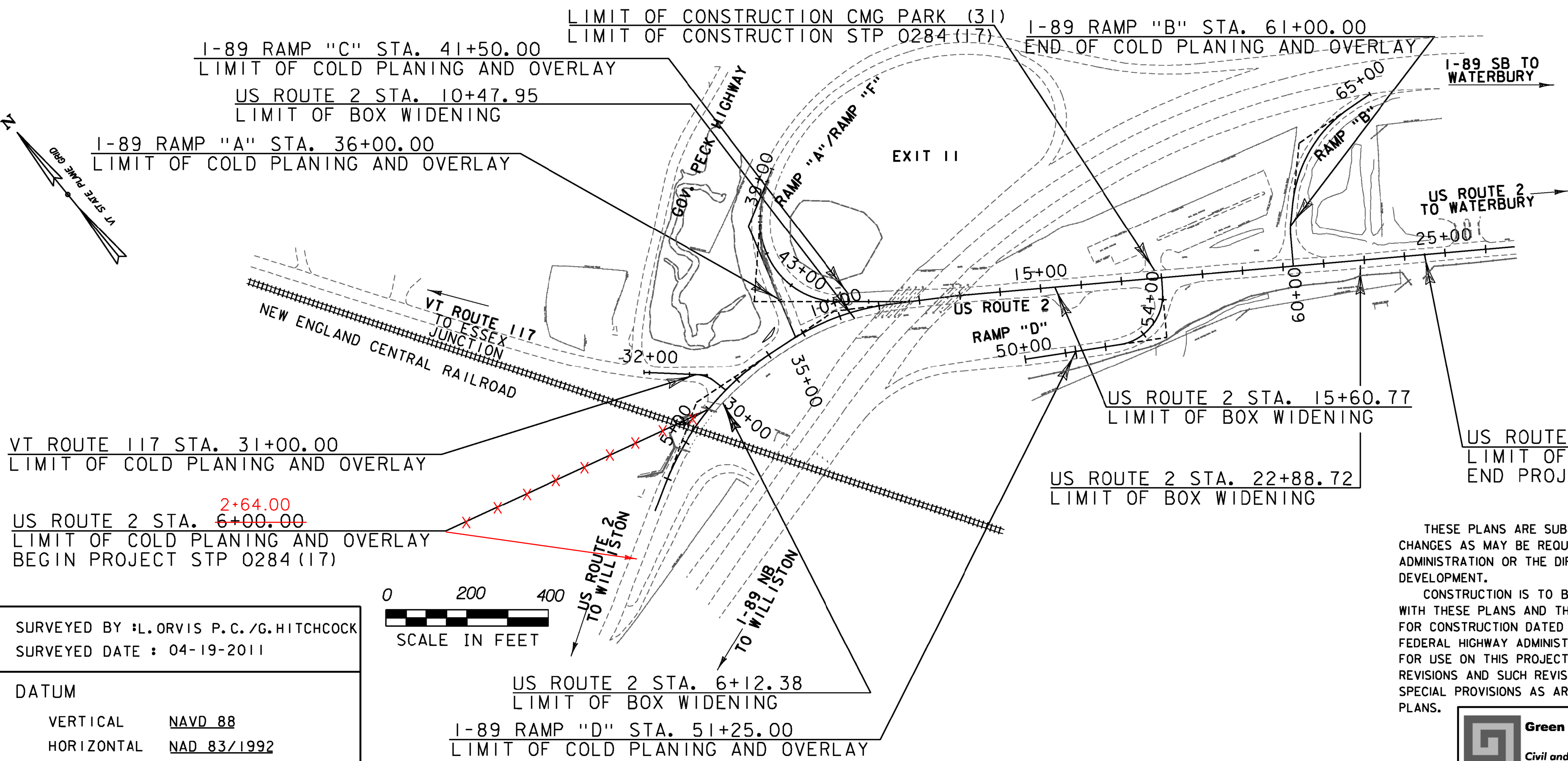
I-89 EXIT 11 (RAMP "D") TRAFFIC DATA		
2014 AADT	3,500	
2034 AADT	4,300	
2014 DHV	590	
2034 DHV	730	
D	100%	
T	7.1%	
V	20MPH	
2014-2034 ESAL	947,000	
2014-2054 ESAL	2,289,000	

I-89 EXIT 11 (RAMP "F") TRAFFIC DATA		
2014 AADT	1,100	
2034 AADT	1,300	
2014 DHV	270	
2034 DHV	320	
D	100%	
T	8.3%	
V	25MPH	
2014-2034 ESAL	438,000	
2014-2054 ESAL	1,044,000	

BITUMINOUS CONCRETE PAVEMENT SUPER PAVE MIXTURE DESIGN CRITERIA	
DESIGN LIFE ESAL (DESIGN LANE)	4,531,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	SEE SUBSECTION 490.03 (b)

QUALITY ASSURANCE PROGRAM: LEVEL I

CONVENTIONAL SYMBOLS	
COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY
ADMINISTRATION OR THE DIRECTOR OF PROGRAM
DEVELOPMENT.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.



PROJECT MANAGER :	JOSHUA SCHULTZ, P.E.
PROJECT NAME :	RICHMOND
PROJECT NUMBER :	STP 0284 (17)
SHEET 33 OF 133 SHEETS	