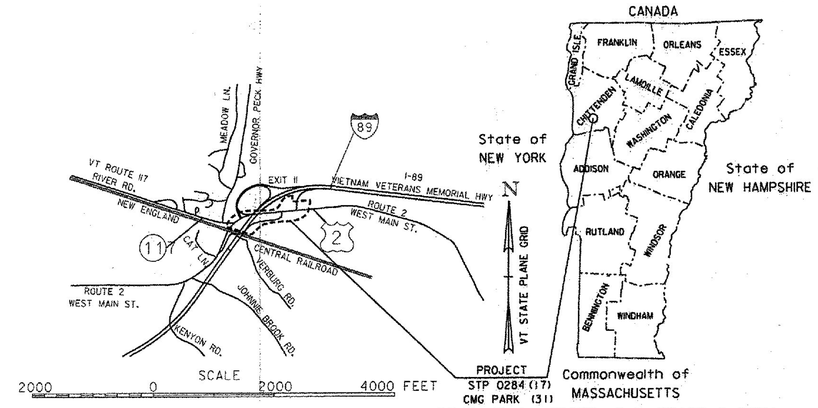
FOR INDEX OF SHEETS, SEE SHEET 2 OF 133

STATE OF VERMONT
AGENCY OF TRANSPORTATION

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



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")
V	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

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.

PROJECT CMG PARK (31)

BEGINNING AT A POINT NEAR THE PARK AND RIDE IN THE TOWN OF RICHMOND, APPROXIMATELY 123 FEET (0.023 MILES) EASTERLY OF THE EXISTING PARK AND RIDE EDGE OF PAVEMENT AND EXTENDING WESTERLY ACROSS THE PARK AND RIDE FOR A DISTANCE OF 650 FEET (0.123 MILES), APPROXIMATELY 53 FEET (0.010 MILES) WEST OF THE WESTERLY EDGE OF PAVEMENT.

THIS PROJECT CONSISTS OF EXPANDING THE EXISTING PARK AND RIDE FACILITY, PAVEMENT OVERLAY, PAVEMENT MARKINGS, DRAINAGE, NEW SIGNAGE, LANDSCAPING, THE INSTALLATION OF A NEW RETAINING WALL, STAMPED CONCRETE TRAFFIC CIRCLE, STAMPED CONCRETE MEDIAN ISLANDS, NEW BUS SHELTER, AND OTHER AMENITIES.

RECORD PLANS

CONTRACTOR: G.W. TATRO CONSTRUCTION, INC. ESSEX JCT., VT
RESIDENT ENGINEER: JOSH HULETT
CONSTRUCTION BEGAN: SEPTEMBER 3, 2013
CONSTRUCTION COMPLETE: JUNE 2, 2015
RECORD PLANS BY: JOSH HULETT & KEVIN KING

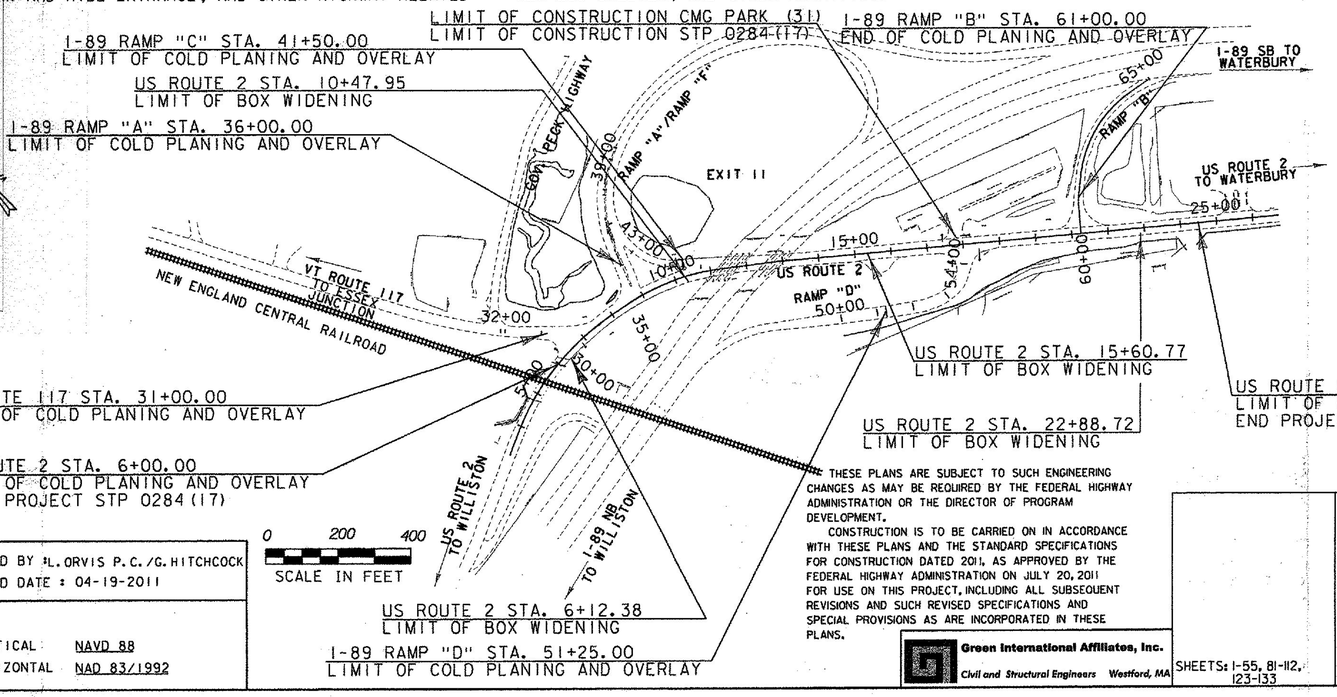
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Josh Hulett RESIDENT ENGINEER

DATE February 15, 2017

QUALITY ASSURANCE PROGRAM: LEVEL 1

Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.



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)

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

SURVEYED BY : L. ORVIS P.C./G. HITCHCOCK
SURVEYED DATE : 04-19-2011

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83/1992

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.

Green International Affiliates, Inc.
Civil and Structural Engineers Westford, MA

SHEETS: 1-55, 81-112, 123-133

SHEETS: 56-80, 113-122

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED [signature] for RMT DATE 6/6/2013

PROJECT MANAGER : JOSHUA SCHULTZ STP 0284 (17)
WAYNE DAVIS CMG PARK (31)

PROJECT NAME : RICHMOND
PROJECT NUMBER : STP 0284 (17)
CMG PARK (31)

SHEET 1 OF 133 SHEETS