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BRIDGE JOINT ASPHALTIC PLUG - STRUCTURES DETAIL SD-516.10

STANDARDS

E-100	CONSTRUCTION APPROACH SIGNS	01/02/04
E-100A	SIDE ROAD CONSTRUCTION-APPROACH SIGNS	01/02/04
E-101	CONSTRUCTION SIGN DETAILS	05/30/03
E-102	CONSTRUCTION SIGN DETAILS	06/30/03
E-102A	CONSTRUCTION SIGN DETAILS	05/01/04
E-103	MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	03/01/04
E-105	TRAFFIC CONTROL FOR CONSTRUCTION VEHICLE U- TURNS ON DIVIDED HIGHWAY	05/01/04
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03/01/04
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E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	06/08/09
E-108A	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING	06/08/09
E-191	PAVEMENT MARKING DETAILS	02/01/99
E-193	PAVEMENT MARKING DETAILS	08/18/95

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**



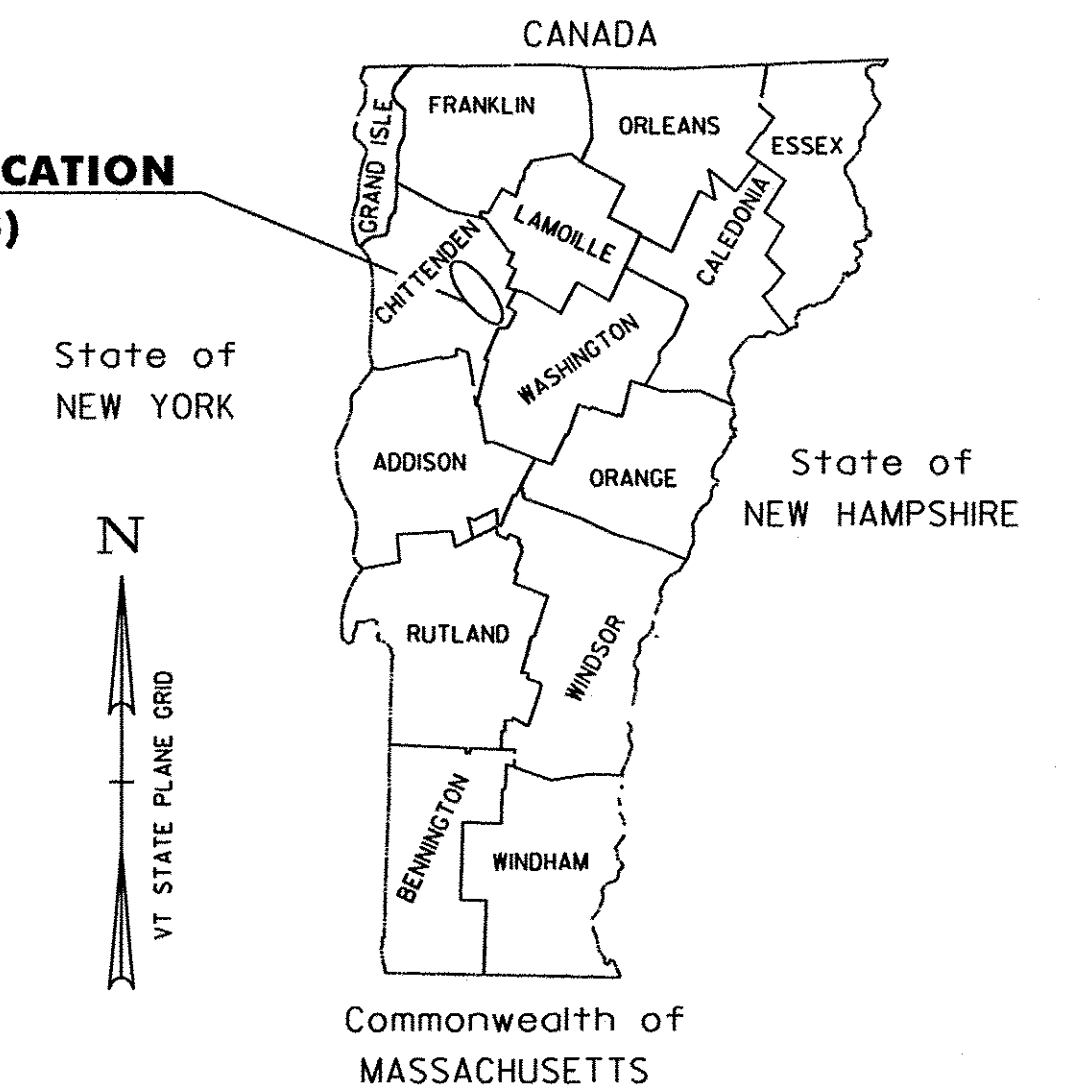
**PROPOSED IMPROVEMENTS
TOWNS OF WATERBURY, BOLTON AND RICHMOND
COUNTIES OF WASHINGTON & CHITTENDEN
INTERSTATE ROUTE 89 (NB & SB)**

THIS PROJECT INCLUDES BOTH NORTHBOUND AND SOUTHBOUND BARRELS. NB: MM 63.515 - MM 79.000; SB: MM 63.510 - MM 79.000.
INCLUDED ARE THE RAMPS AT INTERCHANGES 10 & 11, WITH THE EXCEPTION OF RAMP A AT INTERCHANGE 10.

NB LENGTH OF ROADWAY = 81,760.80 FT = 15.485 MILES
SB LENGTH OF ROADWAY = 81,787.20 FT = 15.490 MILES
PROJECT LENGTH = 81,787.20 FT = 15.490 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES SURFACE PREPARATION INVOLVING PATCHING, POT HOLE REPAIR, CRACK SEALING, COLD PLANING, OVERLAYING WITH A THIN BITUMINOUS SURFACE TREATMENT, TRAFFIC MARKINGS, AND OTHER HIGHWAY RELATED ITEMS.

**PROJECT LOCATION
IM SURF(33)**



**TRAFFIC DATA
INTERSTATE I-89**

LOCATION	AADT		DHV		ESALS	
	2013	2023	2013	2023	2013-2023	2013-2033
NORTHBOUND I-89						
BEGIN PROJECT TO EXIT II	13 100	14 600	1500	1700	4,170,000	10,007,000
EXIT II TO END PROJECT	14 000	15 700	1700	1900	4,223,000	10,154,000
SOUTHBOUND I-89						
BEGIN PROJECT TO EXIT II	13 100	14 600	1600	1700	2,904,000	6,956,000
EXIT II TO END PROJECT	14 000	15 700	1700	1900	3,470,000	8,353,000

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

	I-89 NB	I-89 SB
DESIGN LANE/DESIGN LIFE ESAL	10,154,000	8,353,000
DESIGN NUMBER OF GYRATIONS	80	80
PERFORMANCE GRADED ASPHALT BINDER	SEE SECTION 490	

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.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR

APPROVED _____ DATE _____

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED _____ DATE _____

PROJECT MANAGER : MIKE FOWLER

PROJECT NAME : WATERBURY-RICHMOND

PROJECT NUMBER : IM SURF (33)

SHEET 1 OF 19 SHEETS

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER: JOSH HULETT
CONSTRUCTION BEGAN: OCTOBER 10, 2012
CONSTRUCTION COMPLETE: NOVEMBER 18, 2013
RECORD PLANS BY: JOSH HULETT & JENNA HYDE

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 4/2/14

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

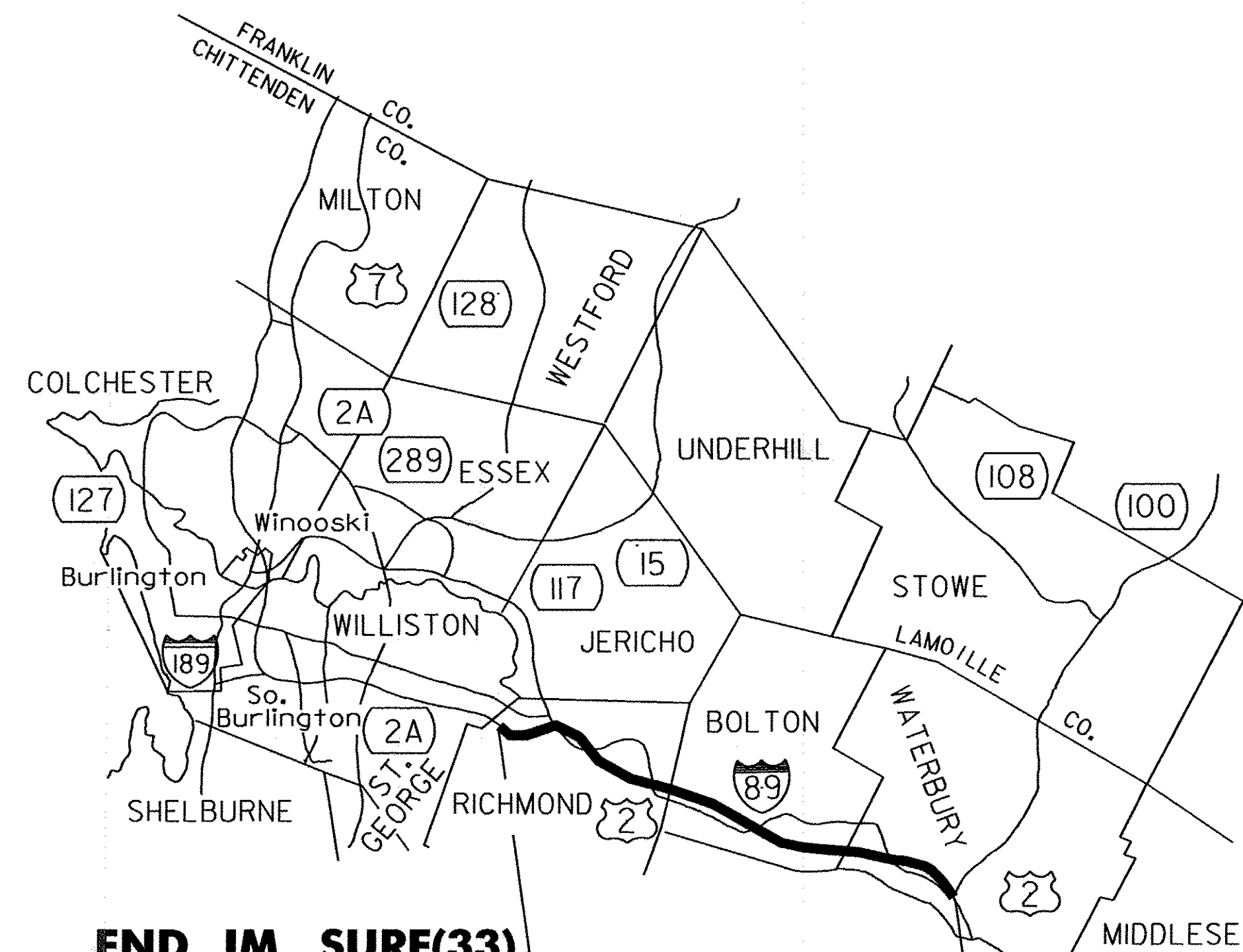
SURVEYED BY : N/A

SURVEYED DATE : N/A

DATUM

VERTICAL N/A

HORIZONTAL N/A



**END IM SURF(33)
MM 79.000 NB
MM 79.00 SB**

**BEGIN IM SURF(33)
MM 63.515 NB
MM 63.510 SB**

QUALITY ASSURANCE PROGRAM: LEVEL I

CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
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	