

**INDEX OF SHEETS**

- 1 TITLE SHEET
- 2-3 PROJECT TYPICAL SHEETS
- 4 ASPHALTIC PLUG JOINT DETAIL SHEET
- 5-6 QUANTITY SHEETS
- 7-8 ITEM DETAIL SUMMARY SHEETS
- 9 DITCH CLEANING DETAIL SHEET
- 10-29 PAVING PROJECT LAYOUT SHEETS
- 30-38 TRAFFIC SIGN SUMMARY SHEETS
- 39 BRIDGE DETAIL SHEET I
- 40 NON-YIELDING OBJECT APPROACH and SIGN DETAIL SHEET.
- 41 PAVEMENT MARKING DETAIL SHEET
- 42 CONSTRUCTION APPROACH SIGNING SHEET

**VAOT STANDARDS**

- D-3 TREATED GUTTERS 06-01-94
- D-8 REINFORCED CONCRETE DROP INLET WITH PRECAST COVER REINFORCED CONCRETE DROP INLET WITH GRATE (BOTTOM SECTION) 01-03-00
- D-15 PRECAST REINFORCED CONCRETE CATCH BASIN W/CAST IRON GRATE PRECAST REINFORCED CONCRETE MANHOLE W/CAST IRON COVER CAST IRON GRATE WITH FRAME, TYPE D CAST IRON GRATE WITH FRAME, TYPE E 06-01-94
- 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-106 TRAFFIC CONTROL MISCELLANEOUS DETAILS 03-01-04
- E-107 DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS 06-30-03
- E-107A BREAKAWAY BARRICADE DETAILS 08-08-95
- E-110 MAJOR MAINTENANCE OPERATION LANE CLOSURE 08-08-95
- E-111 MINOR MAINTENANCE OPERATIONS 03-11-97
- E-119 UTILITY WORK ZONE 03-01-04
- E-120 STANDARD SIGN PLACEMENT EXPRESSWAY AND FREEWAY 08-08-95
- E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROAD 08-08-95
- E-140 REGULATORY SIGN DETAILS 08-30-96
- E-141 REGULATORY SIGN DETAILS 09-20-95
- E-143 REGULATORY SIGN DETAILS 06-15-04
- E-144 REGULATORY SIGN DETAILS 03-29-99
- E-145A REGULATORY SIGN DETAILS, LANE USE CONTROL SIGNS 12-23-94
- E-145B REGULATORY SIGN DETAILS, LANE USE CONTROL SIGNS 12-23-94
- E-150 WARNING SIGN DETAILS 05-01-04
- E-152 WARNING SIGN DETAILS 05-01-04
- E-153B WARNING SIGN DETAILS 05-30-03
- E-154 WARNING SIGN DETAILS 05-10-04
- E-164 SQUARE STEEL SIGN POST 05-20-99
- E-191 PAVEMENT MARKING DETAILS 02-01-99
- E-193 PAVEMENT MARKING DETAILS 08-18-95
- G-1 STEEL BEAM GUARDRAIL WITH STEEL POSTS 01-03-00
- STEEL BEAM GUARDRAIL WITH WOOD POSTS
- G-1D STEEL BEAM GUARDRAIL APPROACH END TERMINAL 01-03-00
- STEEL BEAM GUARDRAIL TRAILING END TERMINAL
- ANCHOR FOR STEEL BEAM GUARDRAIL
- STEEL BEAM MEDIAN BARRIER
- G-4 PLANK RAIL 06-01-94
- GUIDE POSTS
- WOOD MARKER POSTS
- STEEL MARKER POSTS
- G-19 GENERIC PLANS FOR GUARDRAIL END TERMINALS 11-15-02

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

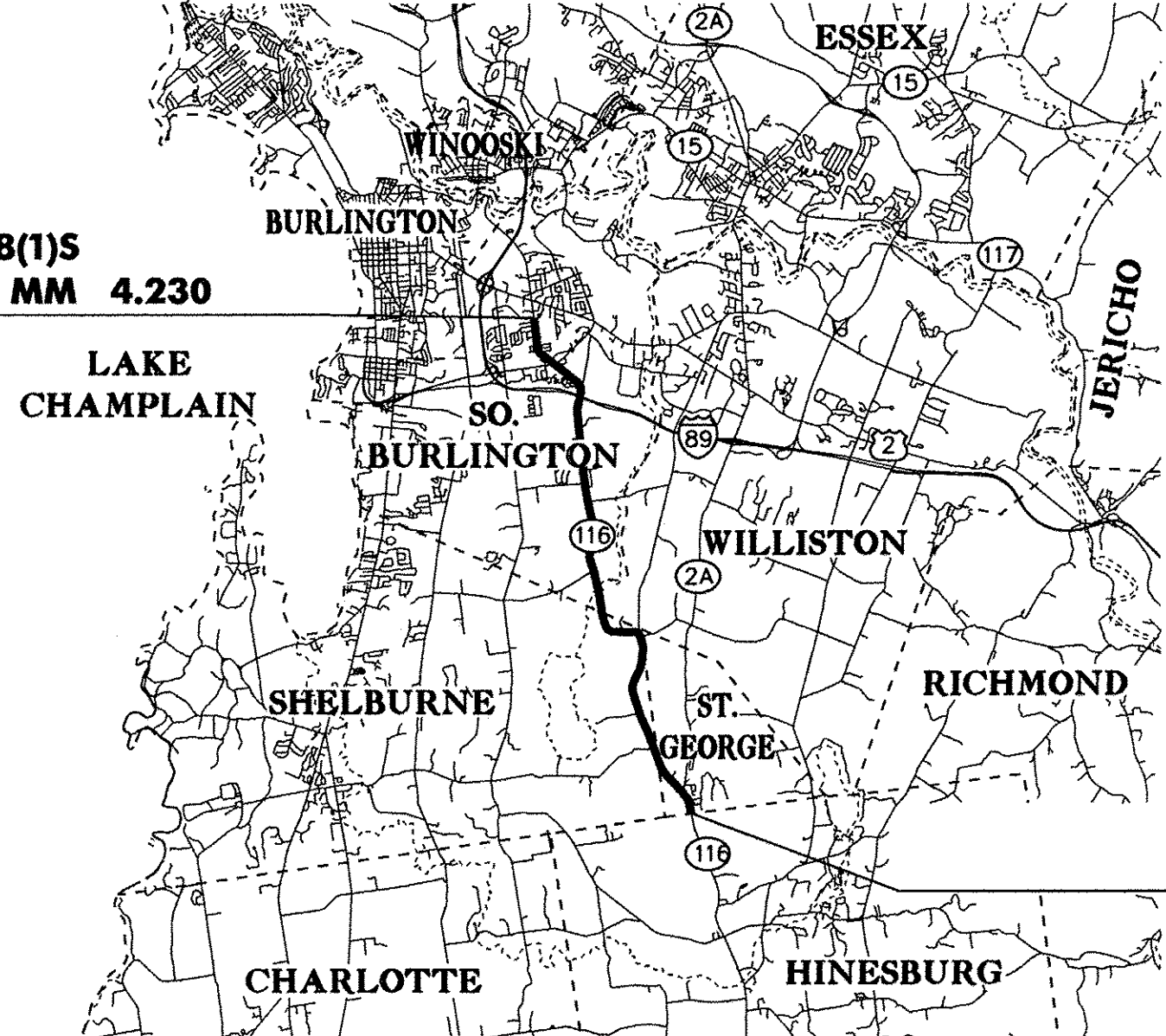


PROPOSED IMPROVEMENTS  
TOWNS OF ST. GEORGE, SHELBURNE  
WILLISTON, and SOUTH BURLINGTON  
COUNTY OF CHITTENDEN  
VT ROUTE 116

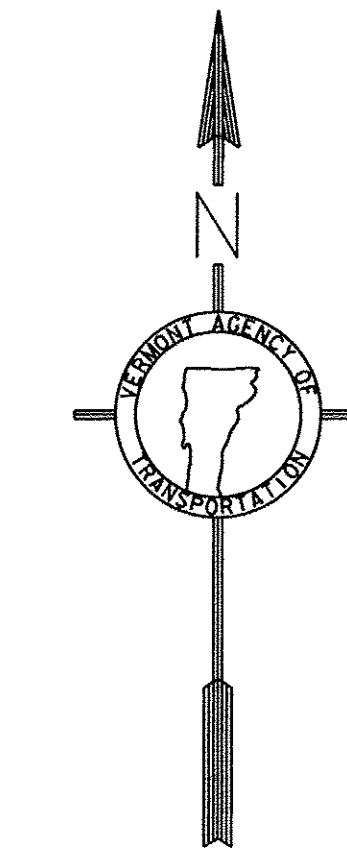
BEGINNING AT STATION 0+00 (MM 0.000) OF VT ROUTE 116 IN THE TOWN OF ST. GEORGE AND EXTENDING NORTHERLY ALONG VT ROUTE 116 THROUGH THE TOWNS OF ST. GEORGE, SHELBURNE, WILLISTON, and INTO THE TOWN OF SOUTH BURLINGTON FOR A DISTANCE OF APPROXIMATELY 42,026 FEET (7.959 MILES) TO THE END OF THE PROJECT AT STATION 223+34 (M.M. 4.230) IN THE TOWN OF SOUTH BURLINGTON.

STATION TO STATION DATA	LENGTH (FEET)	(MILES)
TOWN OF ST. GEORGE		
STA 0+00 TO STA 85+61 (MM 0.000 TO MM 1.621)	8,561	1.621
TOWN OF SHELBURNE		
STA 0+00 TO STA 89+29 (MM 0.000 TO MM 1.691)	8,929	1.691
TOWN OF WILLISTON		
STA 0+00 TO STA 22+02 (MM 0.000 TO MM 0.417)	2,202	0.417
TOWN OF SOUTH BURLINGTON		
STA 0+00 TO STA 169+25 (MM 0.000 TO MM 3.205)	16,925	3.205
STA 175+30 TO STA 223+34 (MM 3.320 TO MM 4.230)	4,804	0.909
<b>PROJECT TOTALS</b>	<b>41,421</b>	<b>7.844</b>

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH COLD PLANING & OVERLAY SECTIONS (LEVELING AND WEARING COURSE), NEW PAVEMENT MARKINGS, GUARD RAIL INSTALLATION, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS.



END ST-STP 2508(1)S  
STA 223+34 = MM 4.230



BEGIN ST-STP 2508(1)S  
STA 0+00 = MM 0.000

**PROJECT LOCATION  
ST-STP 2508(1)S**

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT

RESIDENT ENGINEER: IAN JENIKE

CONSTRUCTION BEGAN: AUGUST 26, 2008

CONSTRUCTION COMPLETE: MAY 15, 2009

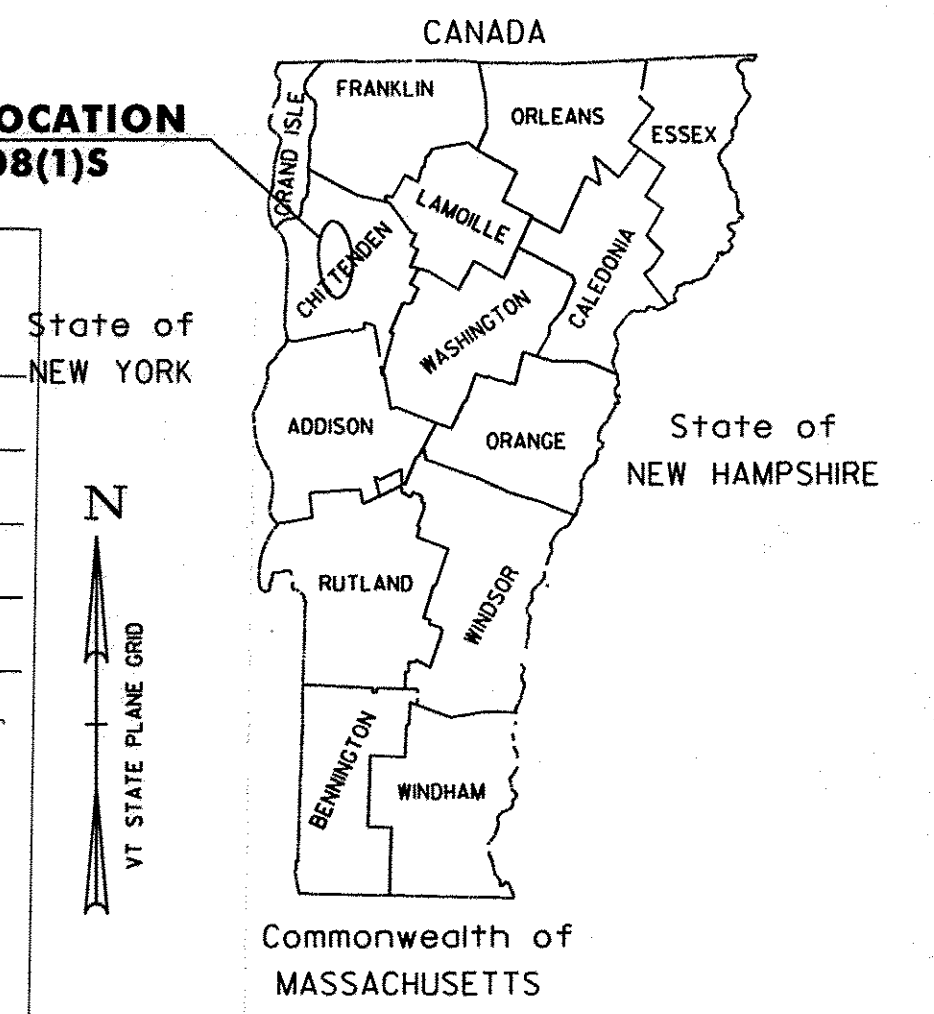
RECORD PLANS BY: IAN JENIKE & AMOS KEMPTON

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

BY: *[Signature]* FOR IAN JENIKE, RESIDENT ENGINEER

DATE: 7-10-2012

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.



ST. GEORGE - SO. BURLINGTON VT ROUTE 116, MM 0.000 TO MM 4.230	
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	1,051,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	PG 58-28

**TRAFFIC DATA**

	ADT		DHV		FLEXIBLE ESAL'S	
	2007	2017	2007	2017	(2007-2017)	(2007-2027)
BEGINNING OF PROJECT TO CHEESE FACTORY RD (SO. BURL. MM 0.240)	6,300	6,700	700	750	577,000	1,358,000
CHEESE FACTORY RD. TO KENNEDY DR. (SO. BURL. MM 3.27)	8,100	8,500	890	930	842,000	1,940,000
KENNEDY DR. TO WRIGHT COURT (SO. BURL. MM 3.73)	9,700	10,300	1,050	1,110	819,000	1,901,000
WRIGHT COURT TO END OF PROJECT	10,800	11,400	1,160	1,230	908,000	2,102,000

**CONVENTIONAL SIGNS**

- COUNTY LINE ---
- TOWN LINE ---
- LIMITS OF ACCESS ---
- POINT OF ACCESS X
- FENCE LINE ---x---
- 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 ---

RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.

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

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

BY:

**CIVIL ENGINEERING ASSOCIATES, INC.**  
P.O. BOX 488 SHELBURNE, VT 05482  
802-985-2323 FAX 802-985-2271 web www.cea-vt.com

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED: <i>[Signature]</i>	DATE: 6-20-08
PROJECT MANAGER: TED DOMEY	
PROJECT NAME: ST. GEORGE-SO. BURLINGTON	
PROJECT NUMBER: ST-STP 2508(1)S	
SHEET 1 OF 42 SHEETS	