

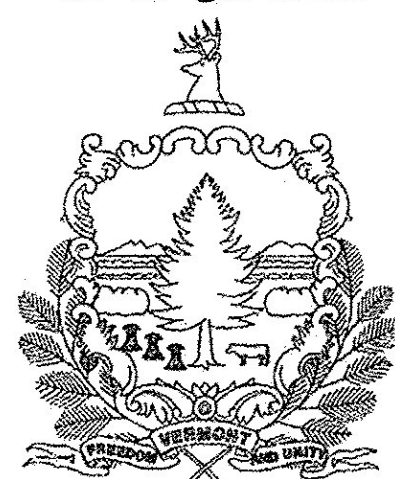
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VAOT STANDARDS

| | | | |
|--------|----------|-------|----------|
| B-71 | 07-08-05 | E-152 | 05-01-04 |
| C-3A | 03-10-08 | E-153 | 05-01-04 |
| C-10 | 02-11-08 | E-154 | 05-01-04 |
| D-3 | 06-01-94 | E-162 | 05-20-99 |
| D-6 | 06-01-94 | E-163 | 05-20-99 |
| D-8 | 01-03-00 | E-191 | 02-01-99 |
| D-15 | 06-01-94 | E-192 | 10-12-00 |
| D-16 | 06-01-94 | E-193 | 08-18-95 |
| D-30 | 08-13-07 | C-1 | 02-10-14 |
| E-121 | 08-08-95 | C-1d | 02-10-14 |
| E-123 | 03-16-04 | C-19 | 11-15-02 |
| E-127 | 08-08-95 | J-3 | 08-07-95 |
| E-136B | 08-08-95 | T-1 | 08-06-12 |
| E-138 | 05-30-03 | T-10 | 08-06-12 |
| E-140 | 08-30-96 | T-17 | 08-06-12 |
| E-141 | 09-20-95 | T-24 | 08-06-12 |
| E-142 | 09-20-95 | T-28 | 08-06-12 |
| E-143 | 06-15-04 | T-29 | 08-06-12 |
| E-144 | 03-29-99 | T-30 | 08-06-12 |
| E-145A | 12-23-94 | T-31 | 08-06-12 |
| E-145B | 12-23-94 | T-35 | 08-06-12 |
| E-146 | 09-20-95 | T-36 | 08-06-12 |
| E-150 | 05-01-04 | T-45 | 01-02-13 |
| E-151 | 05-01-04 | | |

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**



**PROPOSED IMPROVEMENT
TOWNS OF SWANTON, HIGHGATE AND SHELDON
COUNTY OF FRANKLIN
VT ROUTE 78 (MAJOR COLLECTOR)**

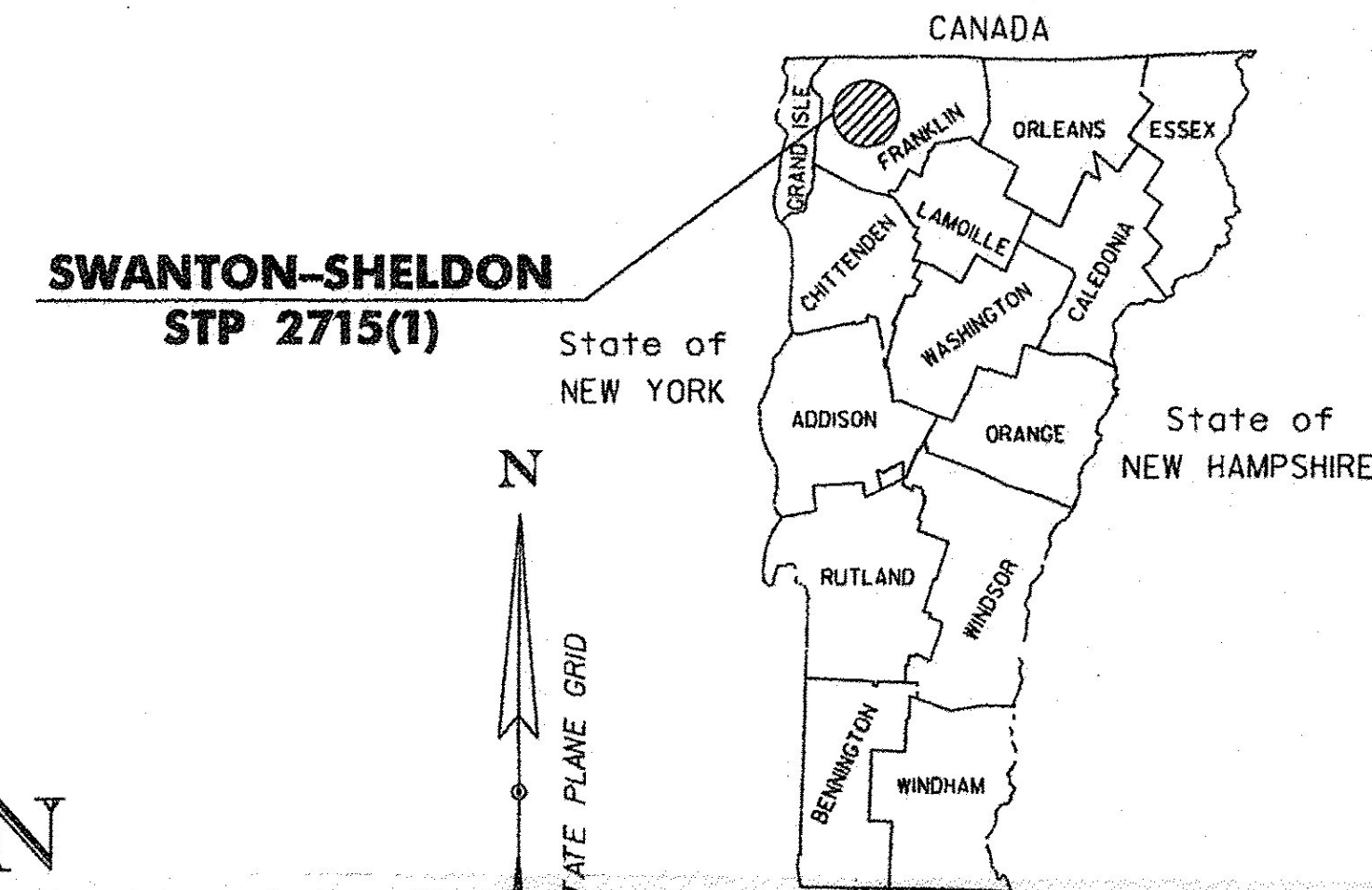
BEGINNING IN THE TOWN OF SWANTON ON VT ROUTE 78 AT STA. 389+87.52 (MM 7.384) AND CONTINUING EASTERLY ALONG VT ROUTE 78 FOR A DISTANCE OF APPROXIMATELY 54,309.83 FEET (10.286 MILES) TO STA. 95+19.84 (MM 1.803) IN THE TOWN OF SHELDON.

| | | |
|--|------------------------------|----------------------------|
| TOWN OF SWANTON VT ROUTE 78 STA. 389+87.52 TO STA. 429+58.08 MM 7.384 TO MM 8.136 | LENGTH (FEET) 3,970.56 | LENGTH (MILES) 0.752 |
| TOWN OF HIGHGATE VT ROUTE 78 STA. 0+00.00 TO STA. 408+19.43 MM 0.000 TO MM 7.731 | 40,819.43 | 7.731 |
| TOWN OF SHELDON VT ROUTE 78 STA. 0+00.00 TO STA. 95+19.84 MM 0.000 TO MM 1.803 | 9,519.84 | 1.803 |
| TOTAL LENGTH OF PROJECT: | 54,309.83 | 10.286 |
| TOTAL LENGTH OF ROADWAY: | 54,309.83 | 10.286 |

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING AND WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS, VEHICLE STOP BAR DETECTION, SHOULDER WIDENING AND OTHER RELATED HIGHWAY ITEMS.

**TRAFFIC DATA
VT ROUTE 78**

| LOCATION | AADT | | DHV | | ESALS | |
|--|-------|-------|------|------|-----------|------------|
| | 2014 | 2024 | 2014 | 2024 | 2014-2024 | 2014-2024 |
| BEGIN PROJECT TO I-89 EXIT 21 RAMP A/B | 12100 | 12500 | 1300 | 1300 | 5,210,000 | 11,364,000 |
| EXIT 21 RAMP A/B TO EXIT 21 RAMP C/D | 8900 | 9200 | 940 | 970 | 3,331,000 | 7,673,000 |
| EXIT 21 RAMP C/D TO TORRIE ROAD | 6900 | 7100 | 730 | 750 | 2,796,000 | 6,803,000 |
| TORRIE ROAD TO CARTER HILL ROAD | 3300 | 3400 | 390 | 400 | 1,347,000 | 3,290,000 |
| CARTER HILL ROAD TO HIGHGATE FALLS ROAD | 4200 | 4400 | 470 | 500 | 1,257,000 | 2,754,000 |
| HIGHGATE FALLS ROAD (VT 207S) TO GORE ROAD (VT 207N) | 6000 | 6100 | 680 | 690 | 2,063,000 | 5,004,000 |
| GORE ROAD (VT 207N) TO FRANKLIN ROAD | 2400 | 2500 | 290 | 300 | 1,192,000 | 2,918,000 |
| FRANKLIN ROAD TO END PROJECT | 1700 | 1800 | 210 | 220 | 893,000 | 1,970,000 |



RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT

RESIDENT ENGINEER: CHRIS ACHILLES

CONSTRUCTION BEGAN: AUGUST 20, 2014

CONSTRUCTION COMPLETE: JULY 16, 2015

RECORD PLANS BY: CHRIS ACHILLES & KEVIN KING

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

BY: *Chris Achilles* RESIDENT ENGINEER

DATE: 10/31/17

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found by contacting Vtrans Records Management.

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

| | |
|----------------------------------|--------------------------|
| DESIGN LANE/DESIGN LIFE ESALS | 2,502,000 |
| DESIGN NUMBER OF GYRATIONS | 65 |
| PERFORMANCE GRADE ASPHALT BINDER | SEE SUBSECTION 490.03(b) |

**BEGIN SWANTON-SHELDON STP 2715(1)
SWANTON STA. 389+87.52 (MM 7.384)**

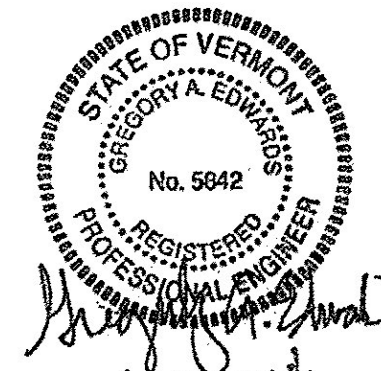
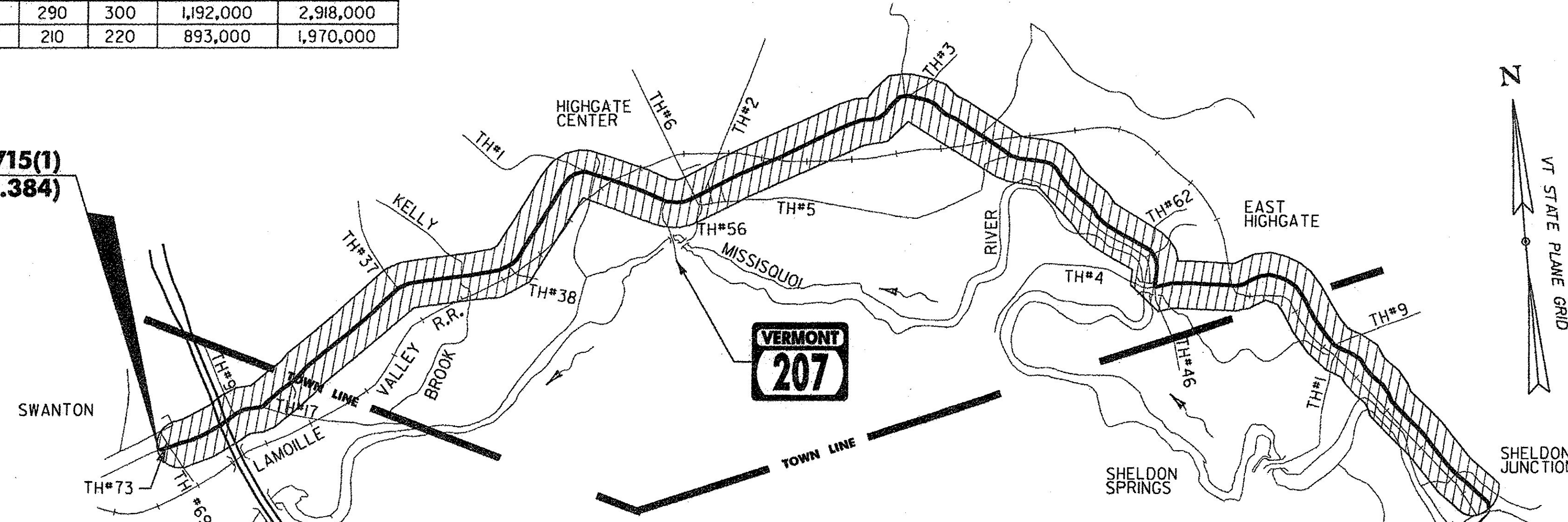
QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

- COUNTY LINE
- TOWN LINE
- LIMITS OF ACCESS
- POINT OF ACCESS
- FENCE LINE
- STONE WALL
- TRAVELED WAY
- GUARDRAIL
- RAILROAD
- SURVEY LINE
- CULVERT
- UTILITY POLE
- TREES
- CONTROL OF ACCESS
- PROPERTY LINE
- R.O.W. TAKING LINE
- SLOPE RIGHTS
- TOP OF CUT
- TOE OF SLOPE

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A



**END SWANTON-SHELDON STP 2715(1)
SHELDON STA. 95+19.84 (MM 1.803)**

Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

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 PURPOSES.

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".

NOT TO SCALE

| | |
|--|---------------|
| DIRECTOR OF PROGRAM DEVELOPMENT | |
| APPROVED: <i>Paul Johnson</i> | DATE: 1/28/14 |
| PROJECT MANAGER: JONATHAN C. HARRINGTON, P. E. | |
| PROJECT NAME: SWANTON-SHELDON | |
| PROJECT NUMBER: STP 2715 (1) | |
| SHEET 1 OF 121 SHEETS | |