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STRUCTURES DETAIL SHEETS

SD-516.10 BRIDGE JOINT ASPHALTIC PLUG

VAOT STANDARDS

B-71	07-08-05	E-132	08-18-95
C-2A	10-14-05	E-134	08-08-95
C-2B	10-14-05	E-136A	08-08-95
C-3A	03-10-08	E-136B	08-08-95
C-3B	03-10-08	E-136C	08-08-95
C-10	02-11-08	E-138	05-30-03
D-6	06-01-94	E-140	08-30-96
D-8	01-03-00	E-141	09-20-95
D-9	06-01-94	E-142	09-20-95
D-15	06-01-94	E-143	06-15-04
D-16	06-01-94	E-150	05-01-04
E-100	01-02-04	E-152	05-01-04
E-100A	01-02-04	E-153	05-01-04
E-101	05-30-03	E-153B	05-30-03
E-102	06-30-03	E-154	05-01-04
E-102A	05-01-04	E-163	05-20-99
E-106	03-01-04	E-164	06-08-09
E-107	06-30-03	E-190	06-30-03
E-107A	06-08-09	E-191	02-01-99
E-108	06-08-09	E-192	10-12-00
E-108A	06-08-09	E-193	08-18-95
E-110	08-08-95	G-1	01-03-00
E-121	08-08-95	G-1d	01-03-00
E-123	03-16-04	G-19	11-15-02
E-127	08-08-95		

TRAFFIC DATA

U.S. ROUTE 5, VT ROUTE 16 & VT ROUTE 58

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011-2021	2011-2031
U.S. ROUTE 5						
BEGIN PROJECT TO EASTERN AVE	1600	1600	180	180	415,000	895,000
EASTERN AVE TO CHURCH ST	2600	2700	290	300	448,000	1,120,000
CHURCH ST TO END PROJECT	2900	3000	330	340	461,000	1,041,000
VT ROUTE 16						
BEGIN PROJECT TO ELM ST	4000	4200	530	560	626,000	1,433,000
ELM ST TO END PROJECT	3500	3600	460	480	448,000	1,118,000
VT ROUTE 58						
BEGIN PROJECT TO IRASBURG ST	5000	5200	660	680	1,165,000	2,520,000
IRASBURG ST TO MAPLE ST	3700	3900	490	520	459,000	1,149,000
MAPLE ST TO EAST ST	2500	2600	330	340	574,000	1,236,000
EAST ST TO END PROJECT	2600	2800	340	370	663,000	1,501,000

RAILROAD DATA:
V = 30 MPH (FREIGHT)

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

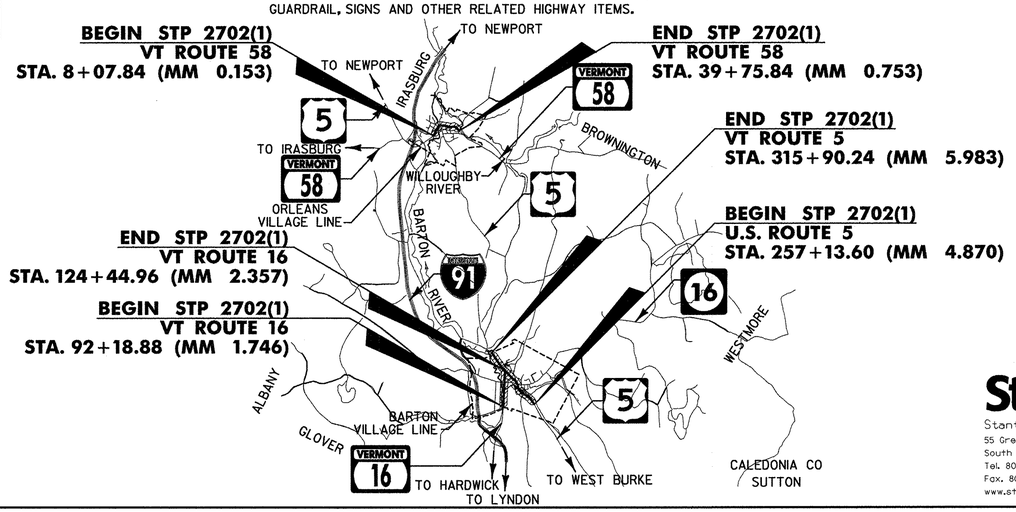
STATE OF VERMONT
AGENCY OF TRANSPORTATION

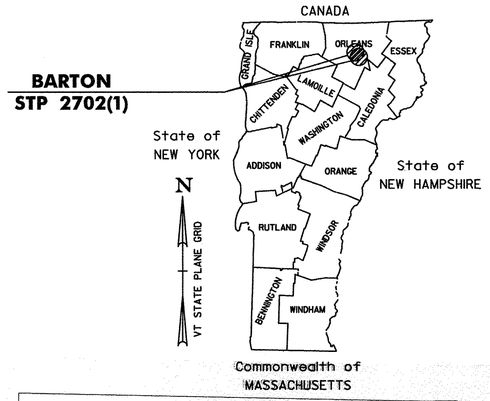
PROPOSED IMPROVEMENT
CLASS 1 TOWN HIGHWAY
VILLAGES OF BARTON AND ORLEANS
COUNTY OF ORLEANS
U.S. ROUTE 5, VT ROUTE 16 & VT ROUTE 58

BEGINNING AT A POINT IN THE VILLAGE OF BARTON, ON U.S. ROUTE 5 AT STA. 257+13.60 (MM 4.870) AND EXTENDING NORTHERLY ALONG U.S. ROUTE 5 FOR A DISTANCE OF 5,876.64 FEET (1.113 MILES) TO STA. 315+90.24 (MM 5.983). ALSO BEGINNING AT A POINT IN THE VILLAGE OF BARTON, ON VT ROUTE 16 AT STA. 92+18.88 (MM 1.746) AND EXTENDING NORTHERLY ALONG VT ROUTE 16 FOR A DISTANCE OF 3,226.08 FEET (0.611 MILE) TO STA. 124+44.96 (MM 2.357). ALSO BEGINNING AT A POINT IN THE VILLAGE OF ORLEANS, ON VT ROUTE 58 AT STA. 8+07.84 (MM 0.153) AND EXTENDING EASTERLY ALONG VT ROUTE 58 FOR A DISTANCE OF 3,168.00 FEET (0.600 MILE) TO STA. 39+75.84 (MM 0.753).

PROJECT DATA:	LENGTH (FEET)	LENGTH (MILES)
VILLAGE OF BARTON		
U.S. ROUTE 5		
STA. 257+13.60 TO 315+90.24	5,876.64	
MM 4.870 TO 5.983		1.113
VILLAGE OF BARTON		
VT ROUTE 16		
STA. 92+18.88 TO 124+44.96	3,226.08	
MM 1.746 TO 2.357		0.611
VILLAGE OF ORLEANS		
VT ROUTE 58		
STA. 8+07.84 TO 39+75.84	3,168.00	
MM 0.153 TO 0.753		0.600
TOTAL LENGTH OF ROADWAY:	12270.72	2.324
TOTAL LENGTH OF PROJECT:	12270.72	2.324
TOTAL LENGTH OF RAILROAD:	384.00	0.073

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE AND WEARING COURSE, RAILROAD GRADE CROSSINGS, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER RELATED HIGHWAY ITEMS.





RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. – BERLIN, VT
RESIDENT ENGINEER: J. STRONG
CONSTRUCTION BEGAN: JULY 23, 2012
CONSTRUCTION COMPLETE: NOVEMBER 6, 2012
RECORD PLANS BY: J. STRONG & C. PIERCE

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

BY _____ RESIDENT ENGINEER
DATE 10/21/2013

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.

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

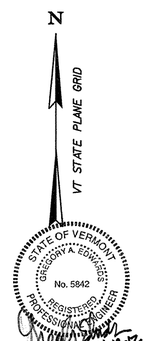
DESIGN LANE/DESIGN LIFE ESALS (U.S ROUTE 5)	560,000
DESIGN LANE/DESIGN LIFE ESALS (VT ROUTE 16)	716,500
DESIGN LANE/DESIGN LIFE ESALS (VT ROUTE 58)	1,260,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SUBSECTION 490.03(b)

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'.



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p07cl92.dgn
p07cl92ts.1

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 4/23/12

PROJECT MANAGER : MICHAEL FOWLER, PE

PROJECT NAME : BARTON
PROJECT NUMBER : STP 2702(1)

SHEET 1 OF 75 SHEETS