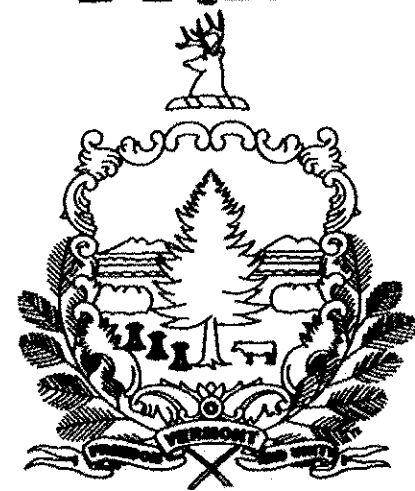


STATE OF VERMONT
AGENCY OF TRANSPORTATION

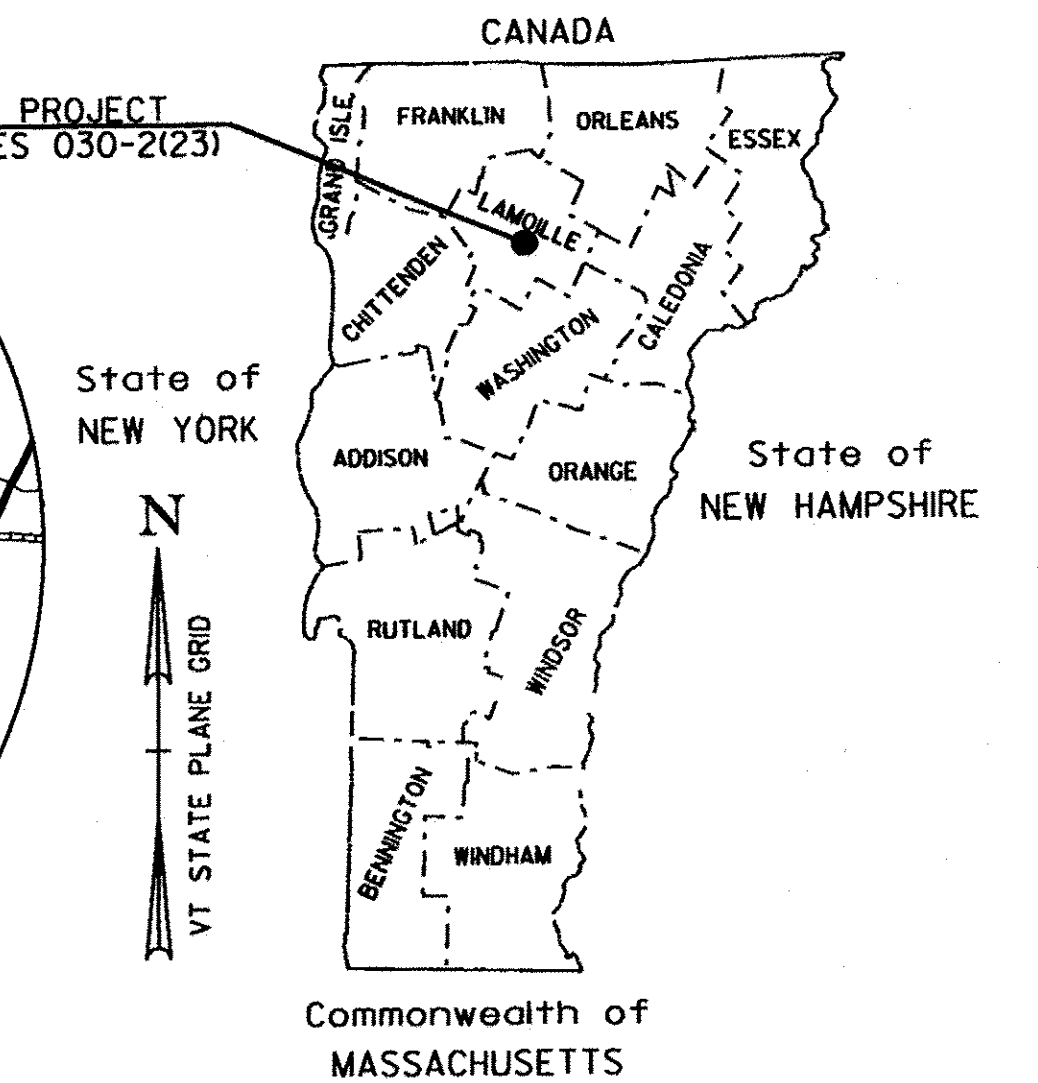
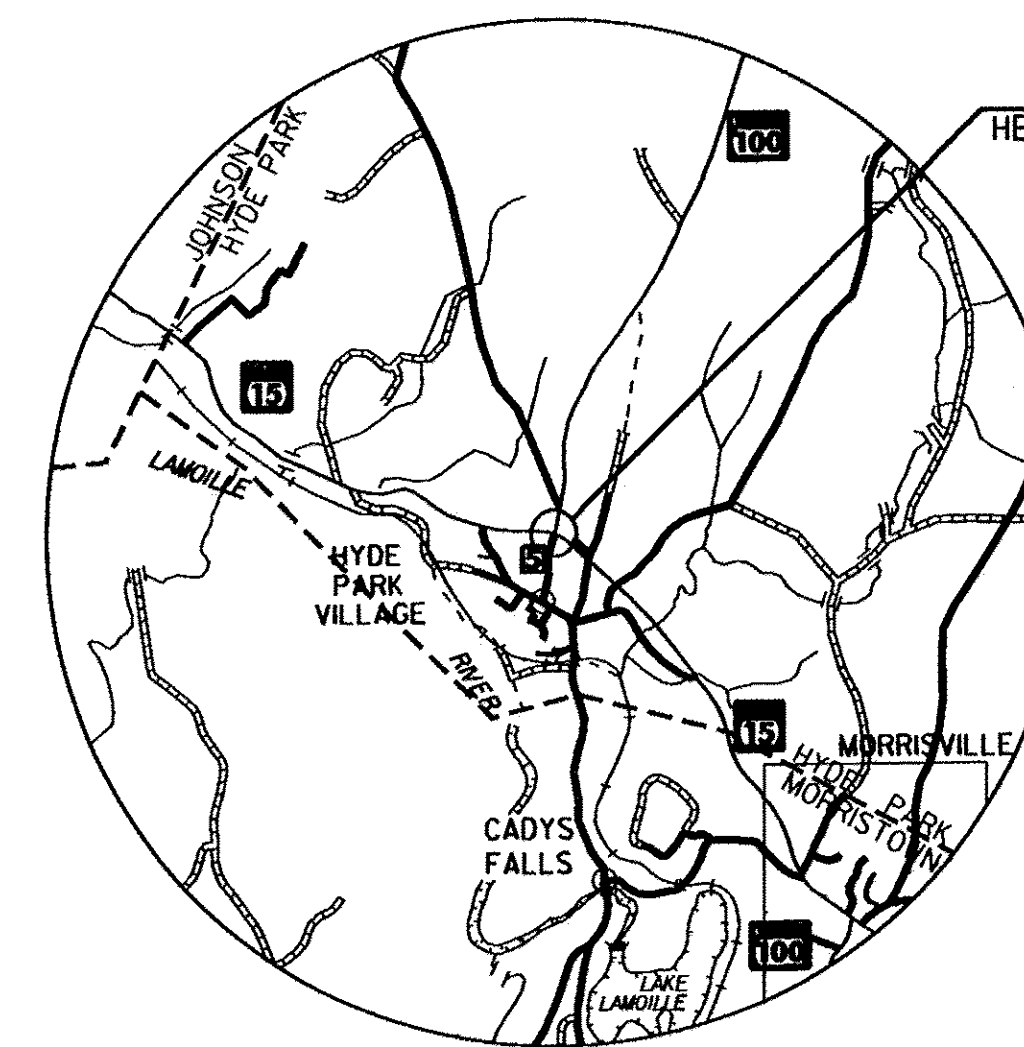


PROPOSED ROUNDABOUT
TOWN OF HYDE PARK
COUNTY OF LAMOILLE
VT 15 & VT 100 - MINOR ARTERIALS

LOCATED IN THE TOWN OF HYDE PARK AT THE INTERSECTION OF VT ROUTE 15 (MM 1.825) AND VT ROUTE 100 (MM 0.000), STARTING AT VT ROUTE 15 MM 1.75 AND ENDING AT MM 1.94.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES CONSTRUCTION OF A NEW ROUNDABOUT, MINOR REALIGNMENT OF THE APPROACHES, INCLUDING NEW LANDSCAPING, STREET LIGHTING, AND DRAINAGE.

LENGTH OF PROJECT:
VT ROUTE 15 = 1269 FT = 0.24 MILES
VT ROUTE 100 = 414 FT = 0.08 MILES
T.H. 5 = 250 FT = 0.05 MILES



INDEX OF SHEETS
SEE SHEET 2

STANDARDS
SEE SHEET 2

RECORD PLANS

CONTRACTOR: G. W. TATRO CONSTRUCTION, INC. - JEFFERSONVILLE, VT

RESIDENT ENGINEER: DAVE HOSKING

CONSTRUCTION BEGAN: APRIL 23, 2011

CONSTRUCTION COMPLETE: JUNE 29, 2012

RECORD PLANS BY: DAVE HOSKING & C. PIERCE

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

BY *Dave Hosking* RESIDENT ENGINEER

DATE 2/24/16

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.

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/LIFE ESALS (20 YEARS)	5,782,000
DESIGN NUMBER OF CYRATIONS	75

TRAFFIC DATA			
VT ROUTE 15 WESTBOUND		VT ROUTE 100	
2010 AADT = 8,900	2010 DHV = 990	2010 AADT = 4,900	2010 DHV = 550
2030 ADT = 10,800	2030 DHV = 1200	2030 ADT = 6,000	2030 DHV = 670
2030 %T = 11.9	2030 %D = 52	2030 %T = 13.3	2030 %D = 57
VT ROUTE 15 EASTBOUND		TH 5 (CHURCH ST.)	
2010 AADT = 6,800	2010 DHV = 770	2010 AADT = 1,500	2010 DHV = 190
2030 ADT = 8,300	2030 DHV = 930	2030 ADT = 1,900	2030 DHV = 240
2030 %T = 14.6	2030 %D = 53	2030 %T = 12.2	2030 %D = 51

FUNCTIONAL CLASS: MINOR ARTERIAL
2010 - 2030 ESAL'S 15W (15E) = 5,782,000 (4,352,000)
2010 - 2050 ESAL'S 15W (15E) = 15,030,000 (10,551,000)
2010 - 2030 ESAL'S 100N = 2,974,000
2010 - 2050 ESAL'S 100N = 7,822,000
2010 - 2030 ESAL'S TH5 = 570,000
2010 - 2050 ESAL'S TH5 = 1,543,000
POSTED SPEED = 40 MPH
DESIGN SPEED = 25 MPH

VT ROUTE 15
STA. 91+14.77
BEGIN APPROACH

VT ROUTE 100
STA. 44+14.33
END APPROACH

VT ROUTE 100 STA. 42+76.83
END PROJECT
HES 030-2(23)
BEGIN APPROACH

VT ROUTE 15 STA. 92+52.27
BEGIN PROJECT
HES 030-2(23)
END APPROACH

CENTER OF ROUNDABOUT
VT ROUTE 15 STA. 96+37.69 =
VT ROUTE 100 STA. 40+00.00 (MM 0.00) &
TH 5 STA. 63+59.48

VT ROUTE 15 STA. 102+46.30
END PROJECT
HES 030-2(23)
BEGIN APPROACH

QAP LEVEL 2
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 : VTRANS
SURVEYED DATE : 01/2008
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (CONUS)

TH 5 CHURCH ST.
STA. 61+63.50
END APPROACH
BEGIN PROJECT
HES 030-2(23)

TH 5 CHURCH ST.
STA. 61+10.00
BEGIN APPROACH

VT ROUTE 15 STA. 103+83.80
END APPROACH



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>Joshua L. Schultz</i>	DATE 11-30-10
PROJECT MANAGER : JOSHUA L. SCHULTZ	
PROJECT NAME : HYDE PARK	
PROJECT NUMBER : HES 030-2 (23)	
SHEET 1 OF 100 SHEETS	