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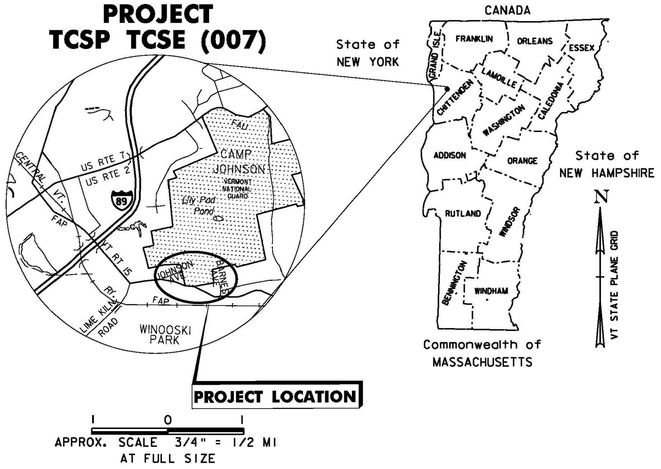
# TOWN OF COLCHESTER
# COUNTY OF CHITTENDEN
# CAMPUS CONNECTOR
# ROADWAY PROJECT (LOCAL ROAD)

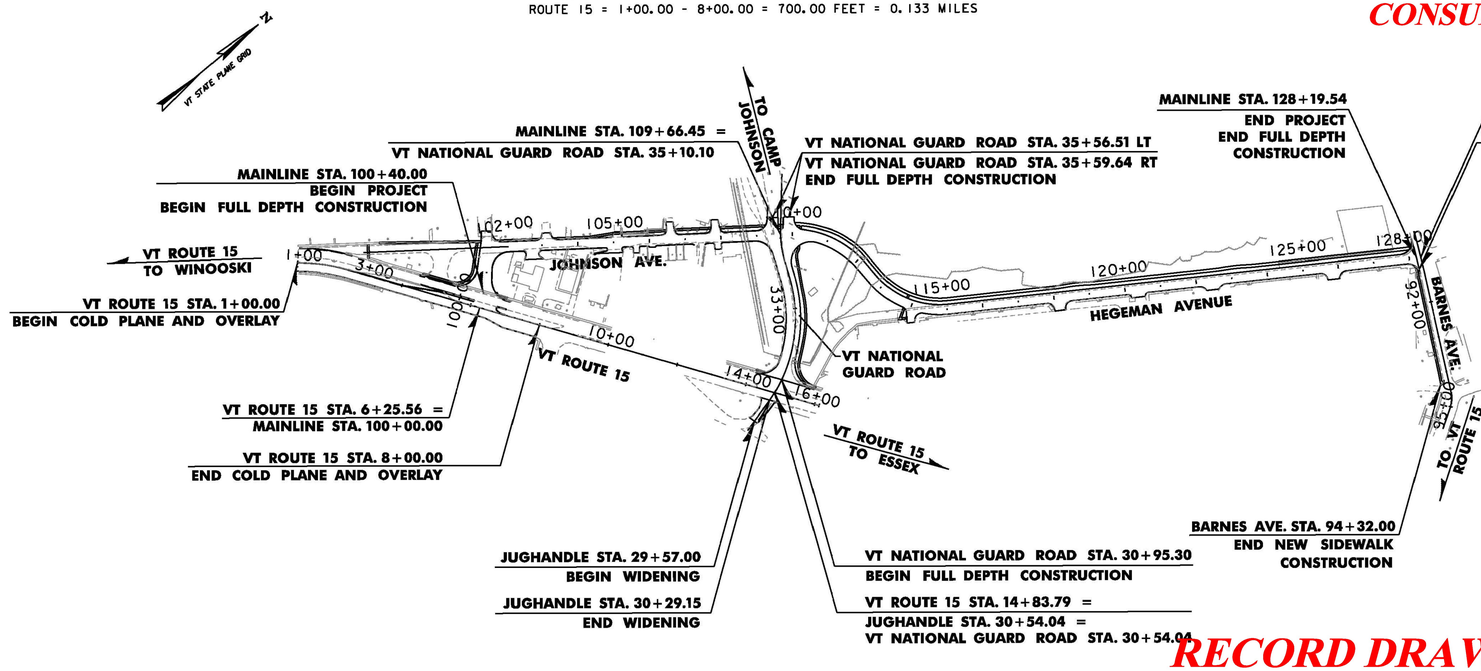
THIS PROJECT IS LOCATED IN THE TOWN OF COLCHESTER, AND WILL CONNECT JOHNSON AVENUE TO BARNES AVENUE VIA HEGEMAN AVENUE. THE PROJECT BEGINS ON VERMONT STATE ROUTE 15 AT MILE MARKER 0.662 AND ENDS AT THE INTERSECTION OF HEGEMAN AVENUE AND BARNES AVENUE, WHICH IS LOCATED 0.171 MILES ALONG BARNES AVENUE NORTHWEST OF THE INTERSECTION OF BARNES AVENUE AND VERMONT STATE ROUTE 15 (MM 1.267). ADDITIONALLY, APPROXIMATELY 338 FT OF SIDEWALK CONSTRUCTION WILL TAKE PLACE ON BARNES AVENUE BEGINNING AT THE INTERSECTION OF HEGEMAN AVENUE AND BARNES AVENUE THEN EASTERLY, ENDING NEAR THE INTERSECTION OF BARNES AVENUE AND ETHAN ALLEN AVENUE.

WORK TO BE PERFORMED UNDER THIS PROJECT
INCLUDES FULL DEPTH RECONSTRUCTION OF JOHNSON AVENUE AND HEGEMAN AVENUE, REALIGNMENT OF VT NATIONAL GUARD ROAD AND THE INTERSECTION OF JOHNSON AVE AND VT ROUTE 15
OTHER WORK INCLUDES NEW PAVEMENT, SIDEWALK, SIGNING AND OTHER INCIDENTAL ITEMS.

LENGTH OF PROJECT:
MAINLINE = 100+40.00 - 128+19.54 = 2779.54 FEET = 0.526 MILES
VT NATIONAL GUARD ROAD = 30+95.30 - 35+59.64 = 464.34 FEET = 0.088 MILES
JUGHANDLE = 29+57.00 - 30+29.15 = 72.15 FEET = 0.014 MILES
BARNES AVENUE SIDEWALK = 90+95.72 - 94+32.00 = 336.28 FEET = 0.064 MILES
ROUTE 15 = 1+00.00 - 8+00.00 = 700.00 FEET = 0.133 MILES




***RECORD DRAWINGS PREPARED BY DONALD L. HAMLIN CONSULTING ENGINEERS INC.***




## TRAFFIC DATA

| | |
|---|---|
| 2010 ADT | = 1632 |
| 2028 ADT | = 2000 |
| D | = 50% |
| T | = 1% |
| DESIGN SPEED | = 25 MPH |
| POSTED SPEED | = 25 MPH |
| 2009-2028 ESAL | = 97,000 |
| 2009-2048 ESAL | = 151,000 |

| SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA | |
|---|---|
| DESIGN LIFE ESALS (NORTH & SOUTHBOUND) | 23,323,000 |
| DESIGN NUMBER OF GYRATIONS | 80 |
| PERFORMANCE GRADE ASPHALT BINDER SEE SECTION 490 GENERAL SPECIAL PROVISION | |

## 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 : LITTLE RIVER SURVEY
SURVEYED DATE : 7/16/06

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83/1996

0 200 400
SCALE

**ISSUED FOR CONSTRUCTION**
**APRIL 22, 2011**

***RECORD DRAWING***
***DATE: DECEMBER 21, 2012***

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.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www.stantec.com


TOWN REPRESENTATIVE
APPROVED _____ DATE _____

MUNICIPAL PROJECT MANAGER : LAMOREUX & DICKINSON

PROJECT NAME : COLCHESTER CAMPUS CONNECTOR
PROJECT NUMBER : TCSP TCSE (007)

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