# STATE OF VERMONT
# AGENCY OF TRANSPORTATION

INDEX OF SHEETS


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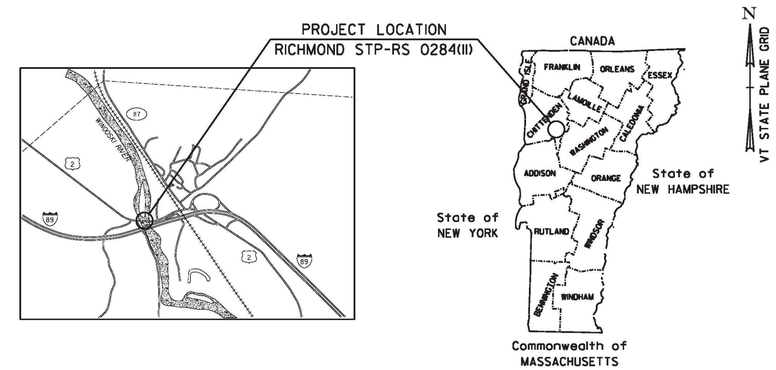
| 1 | TITLE SHEET |
| RH1 | TRUSS REPAIR SCHEMATIC |
| RH2 | TRUSS REPAIR DETAILS |


# PROPOSED IMPROVEMENT
# BRIDGE PROJECT
# TOWN OF RICHMOND
# COUNTY OF CHITTENDEN

## U.S. ROUTE 2
## BRIDGE NO. 24
## WBS 2-1 TRUSS REHABILITATION




PROJECT LOCATION: BEGINNING ON U.S. ROUTE 2 APPROXIMATELY 0.568 MILE EASTERLY OF THE WILLISTON/RICHMOND TOWN LINE AND EXTENDING EASTERLY 0.316 MILE (1,670 FEET).

PROJECT DESCRIPTION: PROJECT CONSISTS OF REHABILITATING AND WIDENING EXISTING TRUSS BRIDGE NO. 24 OVER THE WINOOSKI RIVER, PLACEMENT OF A NEW PRECAST CONCRETE BOX WITH RELATED ROADWAY WORK AND INCIDENTAL ITEMS.

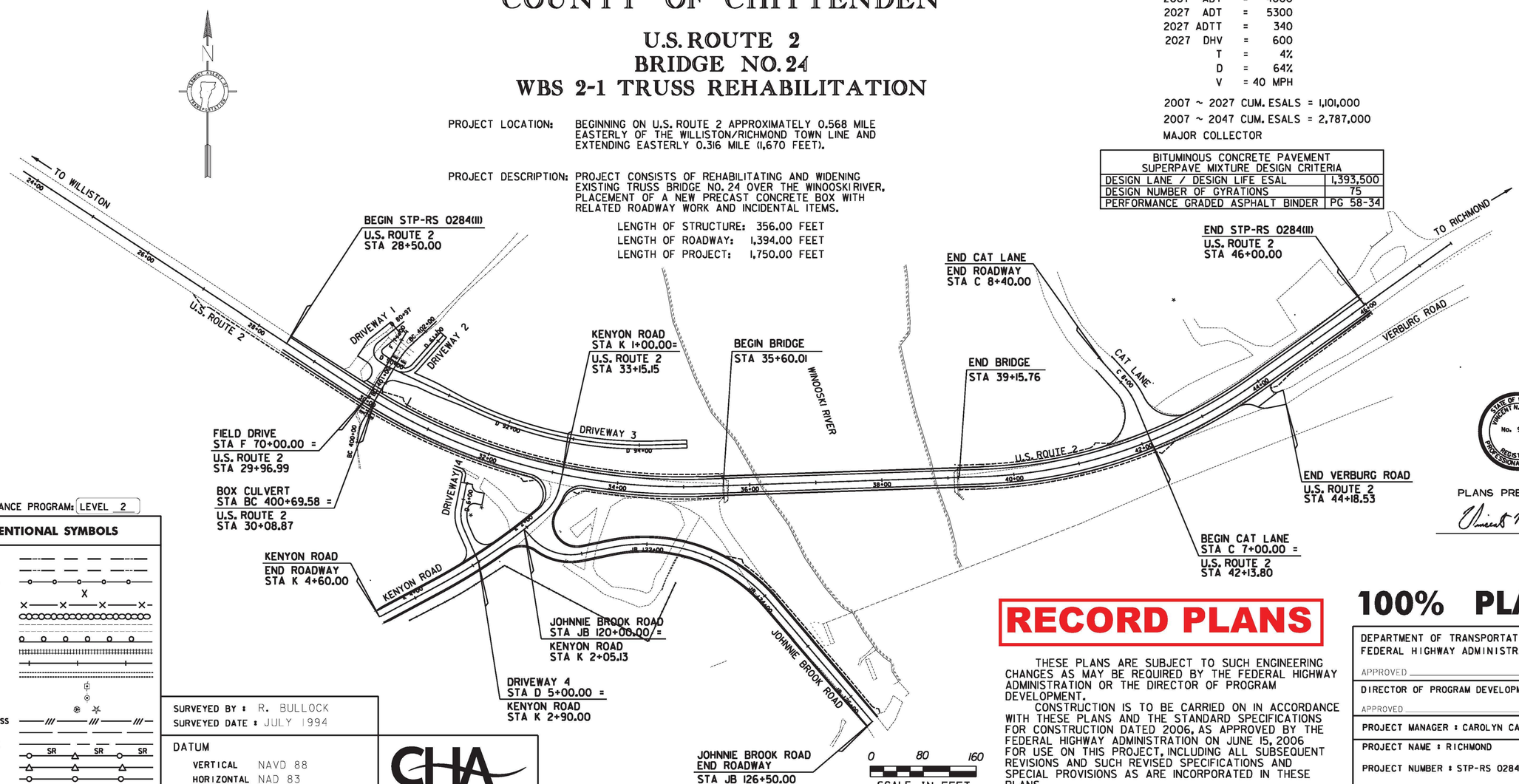
LENGTH OF STRUCTURE: 356.00 FEET
LENGTH OF ROADWAY: 1,394.00 FEET
LENGTH OF PROJECT: 1,750.00 FEET

TRAFFIC DATA

| | | |
|---|---|---|
| 2007 ADT | = | 4000 |
| 2027 ADT | = | 5300 |
| 2027 ADTT | = | 340 |
| 2027 DHV | = | 600 |
| T | = | 4% |
| D | = | 64% |
| V | = | 40 MPH |

2007 ~ 2027 CUM. ESALS = 1,101,000
2007 ~ 2047 CUM. ESALS = 2,787,000
MAJOR COLLECTOR

| BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA | |
|---|---|
| DESIGN LANE / DESIGN LIFE ESAL | 1,393,500 |
| DESIGN NUMBER OF GYRATIONS | 75 |
| PERFORMANCE GRADED ASPHALT BINDER | PG 58-34 |




QUALITY ASSURANCE PROGRAM: 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 : R. BULLOCK
SURVEYED DATE : JULY 1994

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

CHA

STATE OF VERMONT VINCENT N. CARGIOLI No. 9303 REGISTERED PROFESSIONAL ENGINEER

PLANS PREPARED BY

**RECORD PLANS**

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.

**100% PLANS**

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE _____

PROJECT MANAGER : CAROLYN CARLSON

PROJECT NAME : RICHMOND

PROJECT NUMBER : STP-RS 0284(11)

SHEET 1 OF 3 SHEETS

FILE NAME = V:\Projects\ANY\X2\22076\CADD_MSTN\BRIDGE WORK\WBS (2-1) TRUSS REHAB\rb8d092_cov_2-1 REHAB.dgn
DATE/TIME = 4/25/2012
USER = 3219