STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
BRIDGE PROJECT
TOWN OF RICHMOND
COUNTY OF CHITTENDEN

U.S. ROUTE 2
BRIDGE NO. 24
WBS 2-2 STEEL JACKING

INDEX OF SHEETS

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JI	EXISTING PLAN AND ELEVATION
J2	EXISTING REMOVAL PLAN AND DETAILS FOR JACKING ASSEMBLY
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J4	JACKING SUPPORT ASSEMBLY DETAILS
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J6	JACKING MEMBER DETAILS
J7	JACKING ASSEMBLY DETAILS
J8	JACKING MEMBER DETAILS
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JI0	JACKING ASSEMBLY BRACE DETAILS
-	SAFEWAY-ELEVATION AND PLAN VIEWS
-	SAFEWAY-SECTION AND DETAIL VIEWS

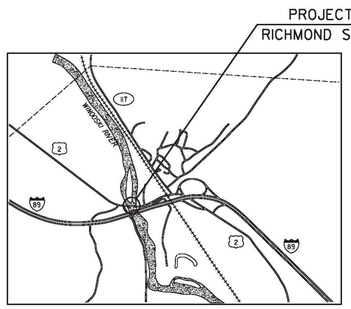
VAOT STANDARDS

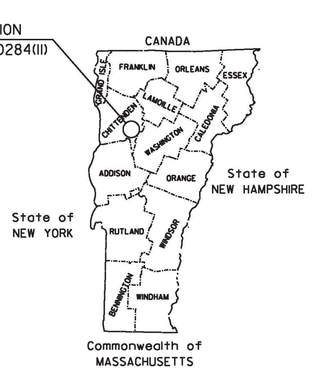
SD-501.00	05-07-10
SD-502.00	06-04-10
SD-601.00	06-04-10
SD-602.00	05-02-11
SD-516.10	05-07-10
SD-516.11a	02-24-11
SD-516.11b	02-24-11
S-360a	12-14-09
S-360b	12-14-09
S-364C	08-09-10
S-364D	08-09-10

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



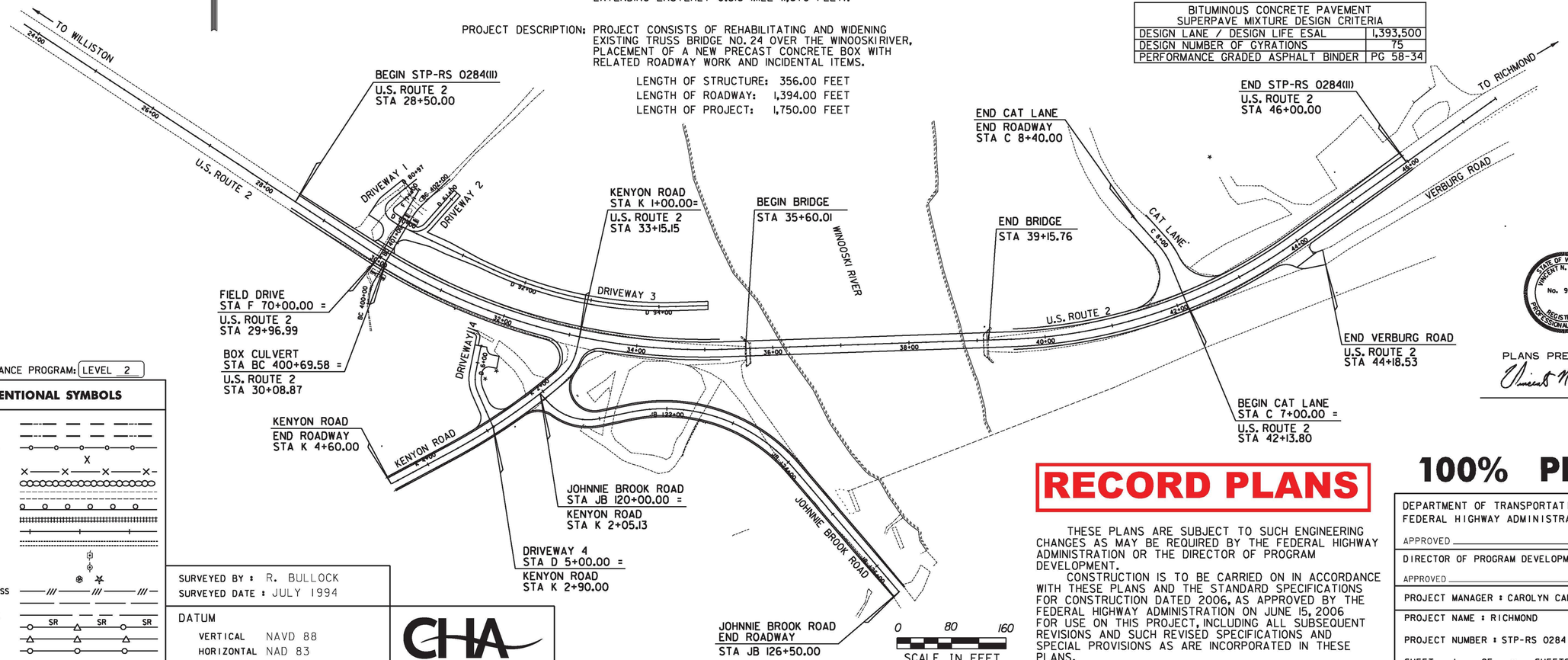


TRAFFIC DATA

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. CARUSO
No. 9303
REGISTERED PROFESSIONAL ENGINEER

PLANS PREPARED BY
Vincent N. Caruso

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(II)

SHEET I OF x SHEETS

FILE NAME = V:\Projects\VAHY\X2\22076\CADD_MSTN\BRIDGE WORK\WBS (2-2) JACKING\s90e092_cov_16 JACKING.dgn
DATE/TIME = 8/31/2011
USER = JCH