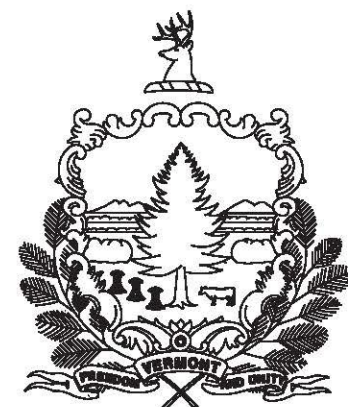


STATE OF VERMONT  
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT  
BRIDGE PROJECT  
TOWN OF RICHMOND  
COUNTY OF CHITTENDEN  
U.S. ROUTE 2  
BRIDGE NO. 24  
WBS 1-11 DRAINAGE PLAN

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 QUANTITY SHEET Q-1
- 3 ITEM DETAIL & DRAINAGE SUMMARY SHEET DD-1
- 4 DRAINAGE LAYOUT SHEET DP-1
- 5 MISCELLANEOUS DETAIL SHEET MDT-1

VAOT STANDARDS

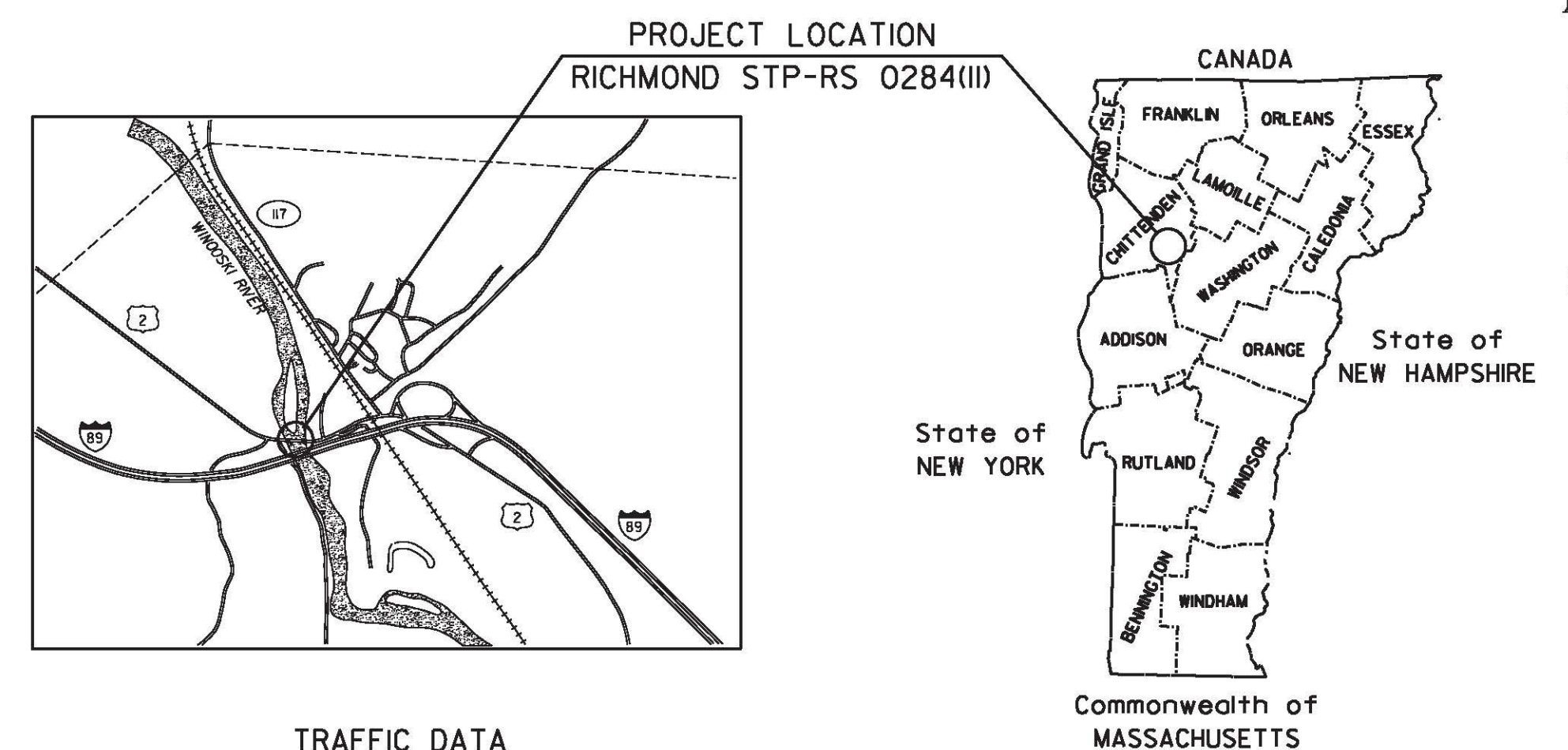
- D-1 06-01-94
- D-4 08-13-07
- D-II 06-01-94
- D-15 06-01-94
- D-33 03-12-07

**X** Reviewed **Furnish As Corrected**  
**Revised** **Revise and Resubmit**

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

Date: June 17, 2011  
By: J. Santacrucce

**McFarland Johnson**



TRAFFIC DATA

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

**RECORD PLANS**

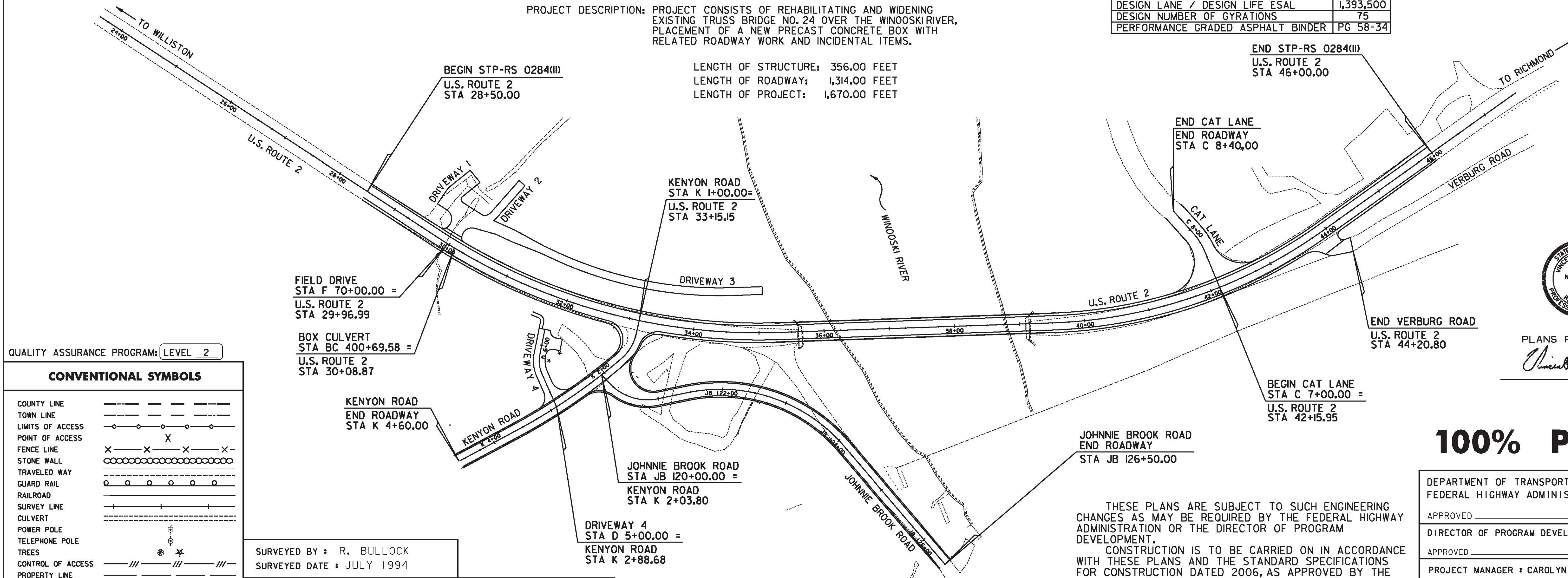
- 2007 ~ 2027 CUM. ESALS = 1,101,000
- 2007 ~ 2047 CUM. ESALS = 2,787,000

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

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 WINDOSKIRIVER, PLACEMENT OF A NEW PRECAST CONCRETE BOX WITH RELATED ROADWAY WORK AND INCIDENTAL ITEMS.

LENGTH OF STRUCTURE: 356.00 FEET  
LENGTH OF ROADWAY: 1,314.00 FEET  
LENGTH OF PROJECT: 1,670.00 FEET



QUALITY ASSURANCE PROGRAM: LEVEL 2

**CONVENTIONAL SYMBOLS**

COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	○ ○ ○ ○
POINT OF ACCESS	X
FENCE LINE	X X X X
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	SR
TOP OF CUT	△
TOE OF SLOPE	○

SURVEYED BY: R. BULLOCK  
SURVEYED DATE: JULY 1994

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83



PLANS PREPARED BY  
*Vincent M. Benigni*

**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 (III)
SHEET 1 OF 5 SHEETS

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.

FILE NAME: V:\P\0284\WBS\1-11\DRAINAGE\1-11\DRAINAGE\_1-11.dgn  
DATE/TIME: 6/7/2011 10:58:30 AM  
USER: rbullock