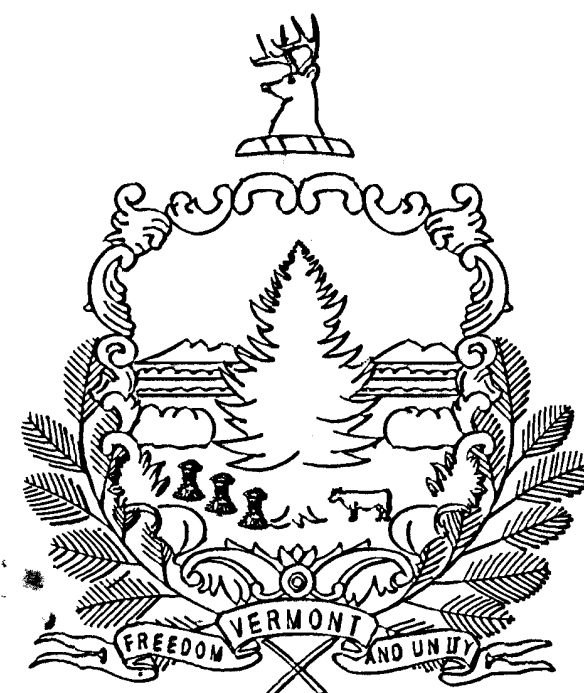


1996  
 SPRINGFIELD U.S. 5 BRS-RS 0113 (8)

# STATE OF VERMONT AGENCY OF TRANSPORTATION

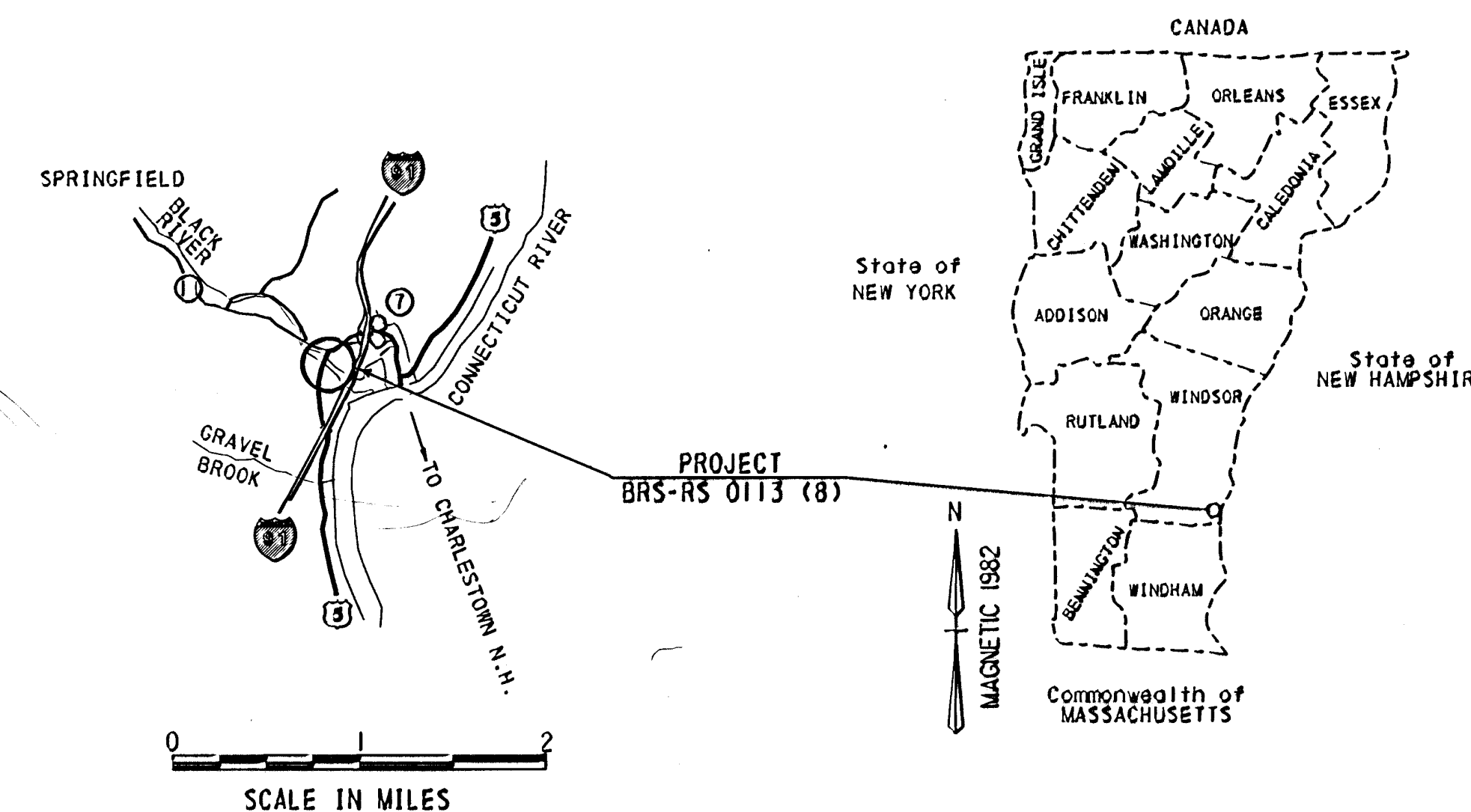


## PROPOSED IMPROVEMENT TOWN OF SPRINGFIELD COUNTY OF WINDSOR U.S. ROUTE 5

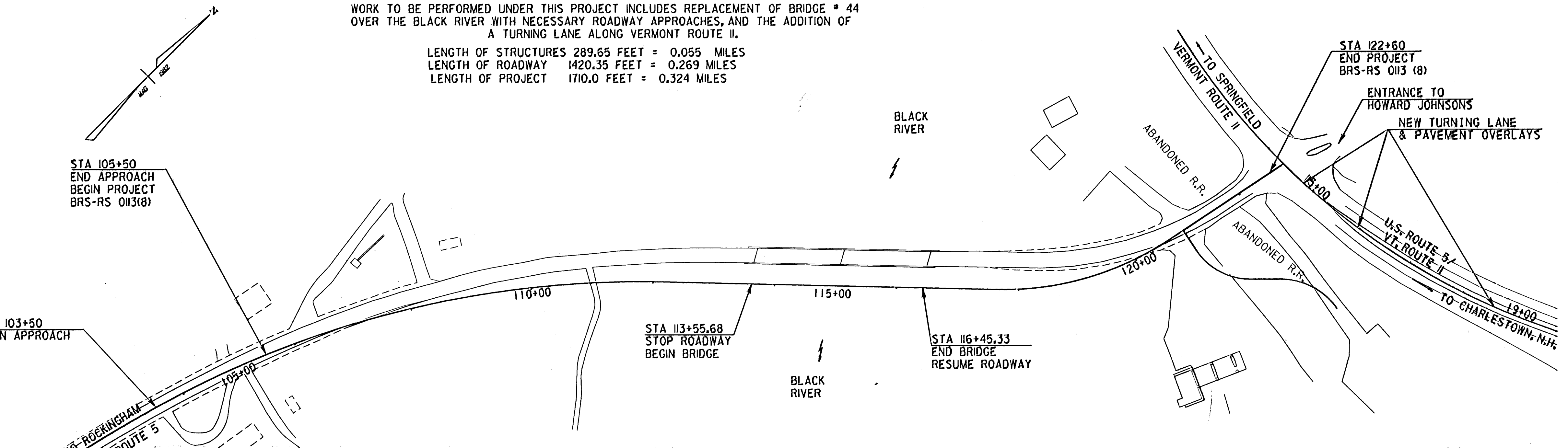
BEGINNING AT A POINT APPROXIMATELY 1.928 MILES NORTH OF THE ROCKINGHAM-SPRINGFIELD TOWN LINE  
 AND EXTENDING NORTHERLY APPROXIMATELY 1710 FEET TO THE INTERSECTION OF U.S. ROUTE 5/VT. ROUTE II

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES REPLACEMENT OF BRIDGE # 44  
 OVER THE BLACK RIVER WITH NECESSARY ROADWAY APPROACHES, AND THE ADDITION OF  
 A TURNING LANE ALONG VERMONT ROUTE II.

LENGTH OF STRUCTURES 289.65 FEET = 0.055 MILES  
 LENGTH OF ROADWAY 1420.35 FEET = 0.269 MILES  
 LENGTH OF PROJECT 1710.0 FEET = 0.324 MILES



TRAFFIC DATA	
1998 ADT = 1090	2018 ADT = 1530
DHV = 155	DHV = 215
ADTT = 55	ADTT = 85
% T = 5	% T = 6
% D = 51 V = 40 MPH 1998-2018(20YR) 18% ESAL = 949,000 FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR	



STANDARD SHEETS	
B-5	SLOPE GRADING, EMBANKMENTS, MUCK
B-11	METHODS OF SLOPE STABILIZATION
B-71	RESIDENTIAL AND COMMERCIAL DRIVES
C-1	CURBS, BITUMINOUS CONCRETE SIDEWALKS
D-2	UNDERDRAIN & CARRIER PIPE CONSTRUCTION DETAILS
D-3	TREATED GUTTERS
D-4	FLUSHING BASINS, END SECTIONS, ELBOWS
D-6	REINFORCED CONCRETE DROP INLET WITH GRATE (DITCHES)
D-10	TOP FOR A DROP INLET WITH GRANITE SLOPE EDGING
D-11	STEEL GRATE
D-15	CAST IRON GRATE TYPE A
D-16	CAST IRON COVER
D-15	PRECAST REINFORCED CONCRETE CATCH BASIN W/CAST IRON GRATE
D-16	PRECAST REINFORCED CONCRETE MANHOLE W/CAST IRON GRATE
D-16	PRECAST REINFORCED CONCRETE CURB DROP INLET W/CAST IRON GRATE
E-100	CONSTRUCTION APPROACH SIGNS
E-101	CONSTRUCTION SIGN DETAILS
E-102	CONSTRUCTION SIGN DETAILS
E-102A	CONSTRUCTION SIGN DETAILS
E-106	TRAFFIC CONTROL MISCELLANEOUS DETAILS
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS
E-107A	BREAKAWAY BARRICADE DETAILS
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE
E-121	STANDARD SIGN PLACEMENT CONVENTIONAL ROAD
E-123	GUIDE SIGN PLACEMENT MISCELLANEOUS DETAILS
E-125	TRAVEL INFORMATION SIGNS
E-127	ROUTE MARKINGS AT RURAL INTERSECTIONS
E-134	BRIDGE NUMBER PLAQUE
E-135	INTERSTATE ROUTE MARKER SIGN DETAILS
E-136A	U.S. ROUTE MARKER SIGN DETAILS
E-136B	STATE ROUTE MARKER SIGN DETAILS
E-138	MILEMARKER DETAILS
E-142	REGULATORY SIGN DETAILS
E-143	REGULATORY SIGN DETAILS
E-145B	REGULATORY SIGN DETAILS
E-146	REGULATORY SIGN DETAILS
E-150	WARNING SIGN DETAILS
E-160	FLANGED CHANNEL STEEL SIGN POST
E-162	TUBULAR ALUMINUM SIGN POST
E-163	TUBULAR STEEL SIGN POST
E-191	PAVEMENT MARKING DETAILS
F-2	CHAIN LINK FENCE (TYPE I)
F-3	CHAIN LINK FENCE (TYPE III)
F-4	CHAIN LINK FENCE (TYPE II)
G-1	STEEL BEAM GUARD RAIL
G-1d	STEEL BEAM GUARD RAIL
G-4	MARKERS, STEEL MARKER POSTS
G-17A	MODIFIED ECCENTRIC LOADER TERMINAL WITH WOOD POSTS (MELT)
G-17B	MODIFIED ECCENTRIC LOADER TERMINAL WITH WOOD POSTS (MELT)
J-1	PROJECT AND BOUNDARY MARKERS
L-1	SETTLEMENT PLATFORM, TYPE I & II
L-2	GEOTECHNICAL INSTRUMENTATION
T-1	TEMPORARY EROSION CONTROL DETAILS
T-2	TEMPORARY EROSION CONTROL DETAILS

INDEX OF SHEETS	
1	TITLE SHEET
2-3	TYPICAL SECTIONS
4-7	SUMMARY OF QUANTITIES
8	ITEM DETAIL AND DRAINAGE SHEET
9	EARTHWORK SHEET
10-12	ROW DETAIL & PLAN SHEETS
13-14	PLAN SHEETS
15	PROFILE SHEET
16-17	PAVEMENT MARKINGS AND SIGN LAYOUT SHEETS
18-20	TRAFFIC SIGN SUMMARY SHEETS
21-23	TRAFFIC CONTROL PLANS
24-25	EROSION CONTROL PLANS
26	MISCELLANEOUS DETAILS
27	MAILBOX SUPPORT DETAIL
28	WETLAND CREATION PLAN
29-62	BRIDGE PLANS
63-79	CROSS SECTIONS OF U.S. ROUTE 5
80-84	CROSS SECTIONS OF VERMONT ROUTE II
85-86	CROSS SECTIONS OF SERVICE DRIVE
87-90	CROSS SECTIONS OF BLACK RIVER

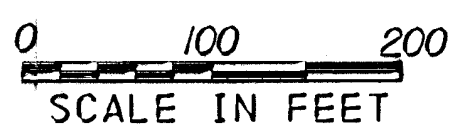
CONVENTIONAL SYMBOLS	
COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	o-o
POINTS OF ACCESS	x
FENCE LINE	x-x-x
STONE WALL	o-o-o-o
TRAVELED WAY	=====
GUARD RAIL	o-o-o
RAILROAD	
CULVERT	=====
CATCH BASIN	□
TREES	⊙
CONTROL OF ACCESS	⊙
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	SR-△
TOP OF CUT	△
TOP OF FILL	○
WETLANDS	⊙

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

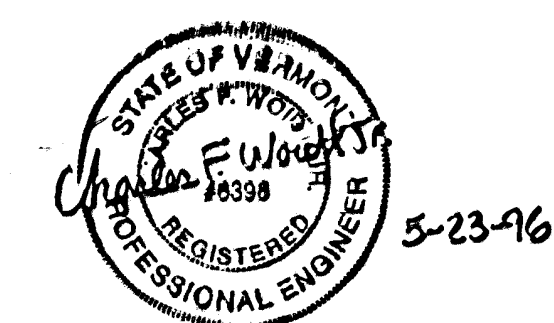
### RECORD PLANS

CONTRACTOR: Winterset Inc., Lyndonville, VT.  
 RESIDENT ENGINEER: Leon Tessier  
 CONSTRUCTION BEGAN: Sept. 25, 1996  
 CONSTRUCTION COMPLETED: October 17, 1997  
 RECORD PLANS BY: Mark Haughwout

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.  
 BY Leon Tessier by JCP RESIDENT ENGINEER  
 DATE 3-19-99



NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found on microfilm in Central Files.



**MJ**  
**M<sup>o</sup>FARLAND-JOHNSON, INC.**  
 BINGHAMTON N.Y.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED <u>[Signature]</u>	DATE <u>5-28-96</u>
DIRECTOR OF ENGINEERING	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED <u>XXXXXXXXXX</u>	DATE <u>XXXXXX</u>
DIVISION ADMINISTRATOR	
PROJECT NAME <u>SPRINGFIELD</u>	
PROJECT No <u>BRS-RS 0113 (8)</u>	
SHEET 1 OF 90 SHEETS	

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.  
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.