FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	VT.				

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL PROJECT

TOWNS OF GRAND ISLE—NORTH HERO

COUNTY OF GRAND ISLE

ISLAND ROAD

U. S. ROUTE 2

BEGINNING AT A POINT 2,296.1 FEET SOUTHERLY OF THE GRAND ISLE—NORTH HERO TOWN LINE AND EXTENDING NORTHERLY 3,817.8 FEET.

LENGTH OF ROADWAY	3,557.3 FEET =	0.6737 MILE
LENGTH OF BRIDGE	260.5 FEET =	0.0493 MILE
LENGTH OF PROJECT	3,817.8 FEET =	0.7230 MILE

INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
" " 2 TYPICAL CROSS-SECTION OF IMPROVEMENT (2 1/2" CRUSHED STONE MIXED-IN-PLACE)
" " 3 TYPICAL CROSS-SECTION OF IMPROVEMENT (SURFACE COURSE WITH OUTSACK ASPHALT, ITEM 843)
" " 4 BANKING AND WIDENING TABLE
" 5-7 EARTHWORK SHEETS
" 8 QUANTITY SHEET
" 9-11 PLAN AND PROFILE
" 12 GENERAL PLAN AND PROFILE OF PROJECT (BRIDGE SHEET ONLY)
" 13 PLAN AND ELEVATION OF BRIDGE
" 14 DETAILS OF ABUTMENTS NOS. 1 AND 2
" 15 PLAN AND ELEVATION OF PIERS
" 16 SECTION AND ELEVATION OF PIERS
" 17 CONTROL HOUSE AND LADDERS
" 18 MATERIAL LIST AND NOTES OF PIERS
" 19 DETAILS OF APPROACH SPANS
" 20 PLAN OF BASCULE AND TRUNNION GIRDERS
" 21 DETAILS OF BASCULE GIRDERS
" 22 DETAILS OF TRUNNION GIRDER
" 23 DETAILS OF BREAK IN SIDEWALK (BRIDGE FLOOR)
" 24 DETAILS OF PIN
" 25 STEEL PLAN AT CENTER
" 26 DETAILS OF BEARING PEDESTALS
" 27 LAYOUT OF MACHINERY
" 28 LAYOUT OF HAND OPERATING MACHINERY
" 29 LAYOUT OF CENTER SHEAR LOCK MECHANISM
" 30 DETAILS OF NAVIGATION LIGHTS
" 31 DETAILS OF WARNING GATES
" 32 WIRING DIAGRAM
" 33-34 SPECIFICATIONS OF ELECTRICAL EQUIPMENT AND OPERATORS HOUSE
" 35 DETAILS OF OPERATOR'S HOUSE
" 36 LAYOUT OF WATER SUPPLY AND SANITARY SERVICES (OPERATOR'S HOUSE)
" 37 STANDARD STRUCTURE SHEET SB-20 DETAIL (L) (BEARING DETAILS)
" 38-43 CHANNEL SECTIONS
" 44 STANDARD STRUCTURE SHEET SB-11 BARRICADES, SIGNS AND LIGHTS (BRIDGE)
" 45 STANDARD STRUCTURE SHEET S-40 BARRICADES, SIGNS AND LIGHTS (ROADWAY)
" 46 STANDARD STRUCTURE SHEET S-48-46 THREE CABLE GUARD RAIL WITH STEEL POSTS
" 47 DETAILS OF BRIDGE ANCHORAGE
" 48 STANDARD STRUCTURE SHEET S-46-45 BOUNDARY MARKERS
" 49 STANDARD STRUCTURE SHEET S-47-45 PIPE CULVERTS
" 50-72 CROSS SECTIONS

STANDARD STRUCTURE SHEETS, APPROVED BY THE CHIEF ENGINEER, VERMONT STATE DEPARTMENT OF HIGHWAYS

S-40	FEB 28, 1949
S-46-45	FEB 28, 1949
S-47-45	FEB 28, 1949
S-48-46	MAY 13, 1946

PROJECT NAME & NUMBER	TYPE	PAVEMENT AREA
GRAND ISLE-NORTH HERO F 128(9)	2 COURSE CONCRETE MIXED IN PLACE	11,388 sq. yds.

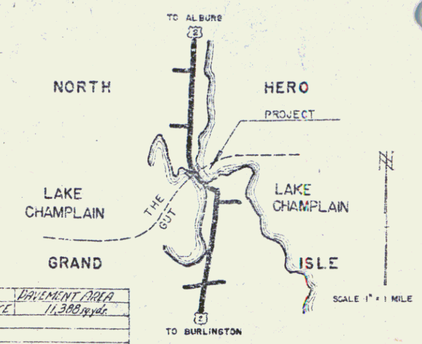
RECORD PLANS

MATERIALS

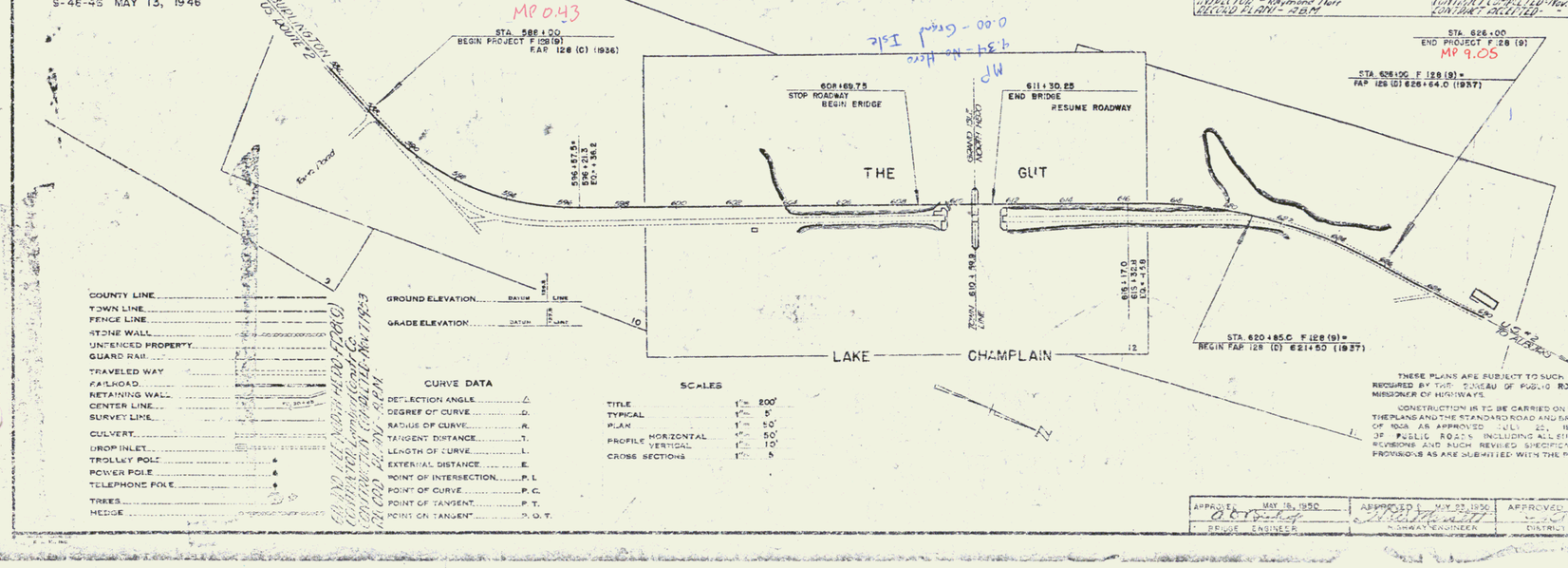
BRIDGE - Ericson & Ericson
TOWN LINE OF GRAND - Everett Crockett Sand & Gr. Vt.
CUT FILL BITUMIT - Lyons Vt. Info. Riverside, R.I.
CONCRETE PIPE & BOX - Newton Lumber Co.
BITUMINOUS FOR BATCHED MIX - Farnsworth & Chandler Burlington, Vt.
CEMENT - North American Portland Cement Corp. Bethlehem Pa. (Various)
CONCRETE - H.C. Jones Plant - Highgate, Vt. Cardinal Plant, Richmond, Vt. Hydraulic Lime Works Inc. C.L. Ferguson Co. Ft. Ticonderoga, Vt.
REINF. STEEL - U.S. Steel Supply Co. Boston, Mass.
FLOOR - STEEL - Kimball Bridge Co.
STEEL SUPPLY - Id.
STEEL END FLOORING - U.S. Steel Supply Co. Boston, Mass.
STEEL BUILDINGS - Alpine Knox, Pittsburg Pa. American Bridge Co.
BOLTS - STEEL
BUILDING BRICK - Alburg Brick Mfg. Co. Alburg
CONTRACTOR - Lamport Construction, White River Jct. Vt.
RESIDENT ENGINEER - Charles A. Plumb
INSPECTOR - Raymond Clutt
RECORD PLANS - R.B.M.

BOND BOX - Rice Packing & Wire Co. New Haven Conn.
WOOD - F.H. Wilcox Inc. Burlington, Vt.
Waterproof Paint Wire Co. Wakefield Mass.
Raymond Bros. Barre, Vt.
PAINT - Pittsburgh Plate Glass Windsor, Vt.
ELECTRICAL EQUIP. - Wash. Electric
MACH. FOR BICYCLE BRIDGE - Lewis Grant & Richards Philadelphia Pa.
STEEL PILING - Id.
RIP RAP FOR CURVE PROTECTION
GRANITE CURB
STRUCTURAL TIMBER

CONTRACT BID - Aug. 11, 1950
CONTRACT STARTED - Sep. 14, 1950
CONTRACT COMPLETED - Nov. 7, 1953
CONTRACT ACCEPTED -



U.S.G.S. MAP REFERENCE
ROUSES POINT N.Y.-VT. QUADRANGLE
73°15' W - 44°46' N



RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
U.S. ~~Town~~ of Rte #2
(To Be Returned To R.O.W. Division)

APPROVED: MAY 22, 1950
H. E. Sargent
CHIEF ENGINEER
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Pin # 00R922 3/30/54
Project No F 128(9)

COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

GROUND ELEVATION ..... DATUM ..... LINE
GRADE ELEVATION ..... DATUM ..... LINE

CURVE DATA

DEFLECTION ANGLE	Δ
DEGREE OF CURVE	D.
RADIUS OF CURVE	R.
TANGENT DISTANCE	T.
LENGTH OF CURVE	L.
EXTERNAL DISTANCE	E.
POINT OF INTERSECTION	P. I.
POINT OF CURVE	P. C.
POINT OF TANGENT	P. T.
POINT ON TANGENT	P. O. T.

SCALES

TITLE	1" =	200'
TYPICAL	1" =	5'
PLAN	1" =	50'
PROFILE HORIZONTAL	1" =	50'
PROFILE VERTICAL	1" =	10'
CROSS SECTIONS	1" =	5

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1926 AS APPROVED JULY 22, 1949 BY THE BUREAU OF PUBLIC ROADS INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
DISTRICT ENGINEER DATE
APPROVED
DIVISION ENGINEER DATE

APPROVED: MAY 18, 1950	APPROVED: MAY 22, 1950	APPROVED: MAY 19, 1950	SERIES F No. 128 (9) FILED
BRIDGE ENGINEER	HIGHWAY ENGINEER	DISTRICT HIGHWAY COMMISSIONER	SHEET 1 OF 72