I 89-1(11) Contract 3
Brookfield-Williamstown-Berlin
Stations NB 2493 — 2666+35.44 - 2666+60.36
SB 2495 — 2666+95.66
To 2674+95.66

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

INTERSTATE PROJECT

TOWNS OF BROOKFIELD, WILLIAMSTOWN, AND BERLIN

COUNTIES OF ORANGE & WASHINGTON

INTERSTATE ROUTE 89

WHITE RIVER JCT.- MONTPELIER

CONTRACT 3

BEGINNING AT A POINT IN WILLIAMSTOWN APPROXIMATELY 0.165 MILES SOUTHERLY OF THE BERLIN - WILLIAMSTOWN TOWN LINE AND EXTENDING NORTHERLY FOR A DISTANCE OF 3.425 MILES

LENGTH OF ROADWAY 17,909.12 FEET 3.392 MILES
LENGTH OF BRIDGE 174.09 FEET 0.033 MILES
LENGTH OF CONTRACT 18,083.21 FEET 3.425. MILES
ELEVATION DATUM 1929ADJ

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7 TYPICAL SHEET, RELOCATED TH-57 (BERLIN) AND RELOCATED SA-5 & SA-1 (BERLIN)
7 TYPICAL SHEET, RELOCATED T-65 (BERLIN)
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73 BLANK
74 B-10 EMBANKMENT ON A SLOPE 3/10/65
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78 D-2 HEADWALLS 7/25/67R
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84 D-9 REIN. CONC. DROP INLET TOP WITH GRANITE CURB 3/10/65
85 D-10 DROP INLET TOPS 3/10/65
86 D-11 DETAILS OF GRATES AND COVERS 3/10/65
87 D-13 CATCH BASIN OR MANHOLE 3/10/65
88 D-16 PRECAST CONC. DROP INLET AND GRATES TYPE 3 MC C 7/12/67R
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90 E-32 ROAD CONSTRUCTION APPROACH SIGNS 1/6/67
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92 E-34 ON PROJECT CONSTRUCTION SIGNS 5/3/67R
93 F-1 PROPERTY LINE FENCE 11/25/67R
94 BLANK
95 G-2a TWO CABLE GUARD RAIL 12/3/68R
96 BLANK
97 BLANK
98 BLANK
99 G-4 PLANK GUARD RAIL AND MARKER POSTS 12/30/65R
100 J-1 PROJECT AND BOUNDARY MARKERS 3/10/65
101 BLANK
102-121a BRIDGE DETAILS I-89 OVER SOUTH BARRE ACCESS ROAD (BR 100-120)
122-127 SGB-D1, D2, D4, D6, D7, D9-67 (ALL) 1/4/68
128 SB-R1-64 11/8/66 R
129 SB-R1-64 1/31/68 R
130 SB-R2-65 11/8/66 R
131-241 NORTHBOUND CROSS SECTIONS (2493+00-2666+00)
242-343 SOUTHBOUND CROSS SECTIONS (2495+00-2666+50)
344-349 COMBINED NB & SB CROSS SECTIONS (2666+3544 = 2674+95.66) (2666+60.36)
350 SOUTH BARRE INTERCHANGE KEY TO CROSS SECTIONS
351-358 RAMP A (SOUTH BARRE INTERCHANGE) CROSS SECTIONS
359-364 RAMP B (SOUTH BARRE INTERCHANGE) CROSS SECTIONS
365-370 RAMP C (SOUTH BARRE INTERCHANGE) CROSS SECTIONS
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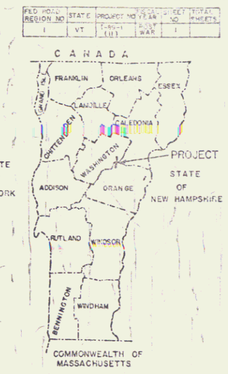
393-397 RELOCATED T-57 CROSS SECTIONS
398-403 RELOCATED SA-1 & SA-5 CROSS SECTIONS
403A-403L NB & SB REST AREA CROSS SECTIONS



FED. HIGH. REGION NO	STATE	PROJECT NO	YEAR	SHEET NO	TOTAL SHEETS
1	VT	I 89-1(11)	1967	1	

PROJECT NAME & NUMBER: BROOK.-WILL.-BERLIN I 89-1(11) C-3
TYPE: GRADING & DRAINAGE
STAGE I
RECORD PLANS

MATERIALS

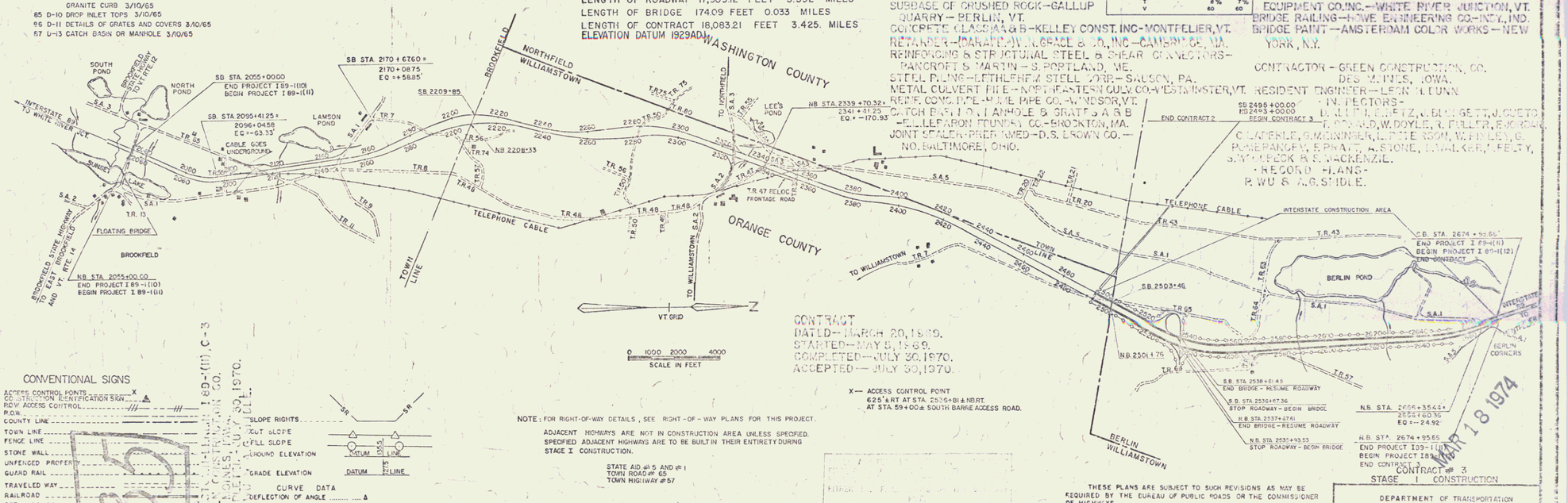
SUBBASE OF GRAVEL - LOWE PIT - BERLIN, VT. & KING PIT - S. BARRE, VT.
SUBBASE OF SAND - KING PIT - S. BARRE, VT.
SUBBASE OF CRUSHED ROCK - GALLUP QUARRY - BERLIN, VT.
CONCRETE CLASS AA & B - KELLEY CONST. INC - MONTPELIER, VT.
RETARDER - (DARAFIL) W. R. GRACE & CO., INC - CAMBRIDGE, MA.
REINFORCING & STRUCTURAL STEEL & SHEAR CONNECTORS - BANCROFT & MARTIN - S. PORTLAND, ME.
STEEL PILING - LETHLEHEM STELL CORP - SALSON, PA.
METAL CULVERT PIPE - NORTHEASTERN CULV. CO. - WESTMINSTER, VT.
REINF. CONC. PIPE - HUME PIPE CO. - WINDSOR, VT.
CATCH BASIN, MANHOLE & GRATES A & B - ELLLEFARON FOUNDRY CO. - BROCKTON, MA.
JOINT SEALER - PREFORMED - D.S. BROWN CO. - NO. BALTIMORE, OHIO.

TRAFFIC DATA

1965	ADT	2090	2450
1989	ADT	6780	6920
1989	DHV	1075	935
	D	59%	59%
	T	8%	7%
	V	60	60

GUARD RAIL & FENCE ITEMS & EROSION CONTROL ITEMS - S. T. SHISWOLD & CO., INC. - WILLISTON, VT.
EPOXY COATING COMP. & WATER REPELLENT - KIRBY EQUIPMENT CO. INC. - WHITE RIVER JUNCTION, VT.
BRIDGE RAILING - HOWE ENGINEERING CO. - INDY., IND.
BRIDGE PAINT - AMSTERDAM COLOR WORKS - NEW YORK, N.Y.

CONTRACTOR - GREEN CONSTRUCTION, CO. DES MOINES, IOWA.
RESIDENT ENGINEER - LEON H. DUNN.
INSPECTORS - D. ALLEN, E. FETZ, N. BURGETT, J. CUETO, D. DONALD, W. DOYLE, R. FULLER, E. JORDAN, C. LAFERLE, G. MCINNISER, L. PETERSON, W. PELLER, G. PUMEPANOV, E. PRATT, A. STONE, I. WALKER, L. FELTY, S. WOLFCOCK & S. MCKENZIE.
RECORD PLANS - P. WU & A. G. SHIDLE.



CONTRACT
DATED - MARCH 20, 1969.
STARTED - MAY 5, 1969.
COMPLETED - JULY 30, 1970.
ACCEPTED - JULY 30, 1970.

X — ACCESS CONTROL POINT
625'± RT AT STA. 2536+81 ± NB RT.
AT STA. 59+00 ± SOUTH BARRE ACCESS ROAD.

NOTE: FOR RIGHT-OF-WAY DETAILS, SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT.

ADJACENT HIGHWAYS ARE NOT IN CONSTRUCTION AREA UNLESS SPECIFIED. SPECIFIED ADJACENT HIGHWAYS ARE TO BE BUILT IN THEIR ENTIRETY DURING STAGE I CONSTRUCTION.

STATE AID #5 AND #1
TOWN ROAD #65
TOWN HIGHWAY #57

CONVENTIONAL SIGNS

ACCESS CONTROL POINTS
CONSTRUCTION IDENTIFICATION SIGN
R.O.W. ACCESS CONTROL
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
LIMITED ACCESS

SLOPE RIGHTS
CUT SLOPE
FILL SLOPE
GROUND ELEVATION
GRADE ELEVATION

CURVE DATA

DEFLECTION OF 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.
POINT ON SUB-TANGENT ..... P.O.S.T.
POINT ON CURVE ..... P.O.C.

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 THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED APRIL, 1964, AS APPROVED BY THE BUREAU OF PUBLIC ROADS ON OCTOBER 12, 1964, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS Δ NO. REQUIRED 2

CONTRACT # 3
STAGE I CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC ROADS
FIELD SET
APPROVED
DIVISION ENGINEER DATE

APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED
ASST. CHIEF ENGINEER	CONSTRUCTION ENGINEER	BRIDGE ENGINEER	DISTRICT ENGINEER	HIGHWAY ENGINEER	CHIEF ENGINEER
DATE 4/24/68	DATE April 23, 1968	DATE 4/11/68	DATE 4/11/68	DATE 4/11/68	DATE 4/24/68

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

PROJECT I NO 89-1(11)
SHEET 1 OF 403 SHEETS

APR 18 1974

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