STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

FEDERAL PROJECT

TOWNS OF BRISTOL-STARKSBORO
COUNTY OF ADDISON
VERMONT ROUTE 116
BRISTOL-STARKSBORO ROAD

LENGTH OF PART A (INCL. BRIDGE) 14,100.0 FT. = 2.670 MILES
LENGTH OF PART B (INCL. BRIDGE) 7,425.8 FT. = 1.406 MILES

LENGTH OF PROJECT (INCL. BRIDGES) 21,525.8 FT. = 4.076 MILES

FED. ROAD DIVISION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	F 171 (6)	POST WAR	1	110

INDEX OF SHEETS

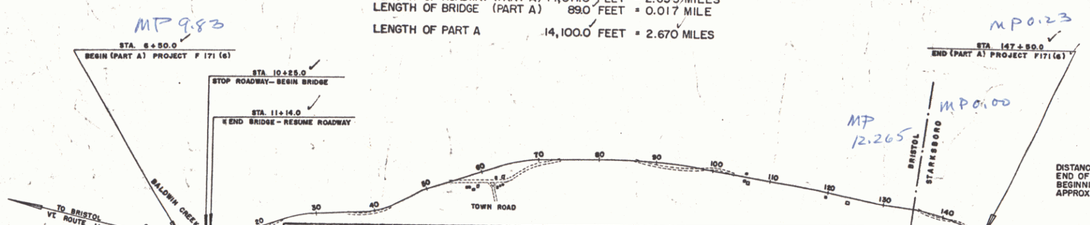
SHEET NO. 1 TITLE PAGE
2 TYPICAL CROSS-SECTION OF IMPROVEMENT (PART A) } 3" CRUSHED GRAVEL MIXED-IN-PLACE SURFACE COURSE
3 TYPICAL CROSS-SECTION OF IMPROVEMENT (PART B) } WITH CUTBACK ASPHALT AND PRIME COAT OF REFINED
4 BANKING AND WIDENING TABLES } TAR (CLASS C) ITEM 342, MODIFIED.
5-6 QUANTITY SHEETS (ITEMS) (PART A AND B)
7-8 QUANTITY SHEETS (DRAINAGE) (PART A AND PART B)
9-12 EARTHWORK SHEETS (PART A)
13-14 EARTHWORK SHEETS (PART B)
15 EARTHWORK SHEET (CHANNEL EXCAVATION) (PART A AND B)
16-33 PLAN AND PROFILE SHEETS (PART A AND B)
34 PRELIMINARY INFORMATION SHEET (BRIDGE AT STA. 10+25—11+14)
35 DETAILS OF ABUTMENT NO. 1
36 DETAILS OF ABUTMENT NO. 2
37 REINFORCING STEEL SCHEDULE
38 STANDARD STRUCTURE SHEET S1B-30 (H-20)
39 STANDARD STRUCTURE SHEET SB-5-C1 (TWO CABLE GUARD RAIL FOR BRIDGES)
40 STANDARD STRUCTURE SHEET SB-20 (DETAILS C,D,E,H,J,K AND L)
41 STANDARD STRUCTURE SHEET SB-11 (BARRICADES, SIGNS AND LIGHTS) BRIDGES
42 STANDARD STRUCTURE SHEET S-40 (BARRICADES, SIGNS AND LIGHTS) ROADWAY
43 STANDARD STRUCTURE SHEET S-48-46 (THREE CABLE GUARD RAIL)
44 STANDARD STRUCTURE SHEET S-53-48 (P.C. R.C.P. DROP INLETS)
45 PRELIMINARY INFORMATION SHEET (BRIDGE AT STA. 182+56—182+75)
46 DETAILS OF ABUTMENT NO. 1
47 DETAILS OF ABUTMENT NO. 2
48 DETAILS OF 84" C.G.M. PLATE PIPE AT STA. 188+75
49 CONSTRUCTION DETAILS C D (DRAINAGE AND MARKERS)
50 CONSTRUCTION DETAILS CD-1 (DITCHES)
51 CONSTRUCTION DETAILS CD-2 (TYPICAL GRADING)
52-79 CROSS-SECTIONS (PART A)
80-82 CHANNEL SECTIONS (PART A)
83-100 CROSS-SECTIONS (PART B)
101-110 CHANNEL SECTIONS (PART B)

44-A STD. STR. SHEET, SC-21 (CONC. BOX DETAILS)
48-A DETAILS OF 6'X7' CONC. BOX EXTENSION 252+30
48-B REINFORCING STEEL SCHEDULE 6'X7' CONC. BOX EXTENSION

STANDARD STRUCTURE SHEET APPROVED BY THE CHIEF ENGINEER, VERMONT STATE DEPARTMENT OF HIGHWAYS.
S-40 JUNE 10 1950

PART A.- BEGINNING AT A POINT APPROXIMATELY 12,880.0 FT SOUTH OF THE BRISTOL-STARKSBORO TOWN LINE AND EXTENDING NORTHERLY 14,100.0 FT. (INCL. BRIDGE)

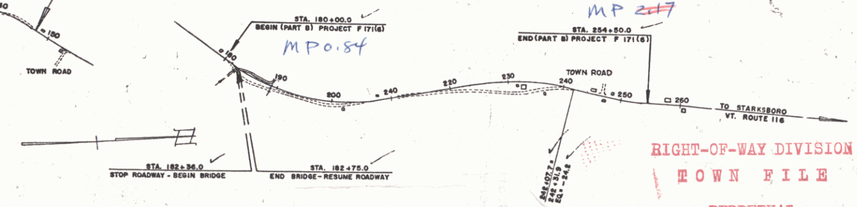
LENGTH OF ROADWAY (PART A) 14,011.0 FEET = 2.653 MILES
LENGTH OF BRIDGE (PART A) 89.0 FEET = 0.017 MILE
LENGTH OF PART A 14,100.0 FEET = 2.670 MILES

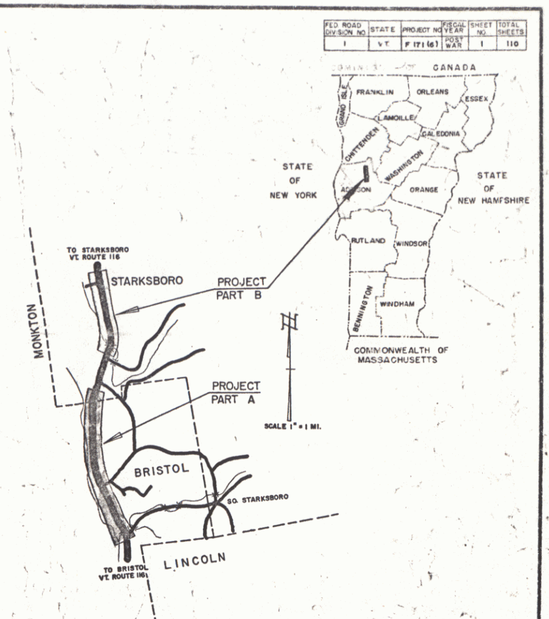


DISTANCE BETWEEN END OF PART A AND BEGINNING OF PART B APPROXIMATELY 0.633 MI.

PART B.- BEGINNING AT A POINT APPROXIMATELY 4,562 FT. NORTH OF THE BRISTOL-STARKSBORO TOWN LINE AND EXTENDING NORTHERLY 7,425.8 FT. (INCL. BRIDGE)

LENGTH OF ROADWAY (PART B) 7,386.8 FEET = 1.399 MILES
LENGTH OF BRIDGE (PART B) 39.0 FEET = 0.007 MILE
LENGTH OF PART B 7,425.8 FEET = 1.406 MILES





PROJECT NAME & NUMBER		TYPE	PAVEMENT AREA
BRISTOL-STARKSBORO F 171 (6)		CR. GRAVEL M.I.P.	52,306 S.Y.
RECORD PLANS			
MATERIALS			
SUB-BASE OF GRAVEL	HANNON PIT BURBANK PIT STARKSBORO	REINF. STEEL	J.T. RYERSON & SONS, CAMBRIDGE, MASS.
REFINED TAR	KOPPERS PROD. CO., EVERETT, MASS. TRIMOUNT PROD. CO. EVERETT, MASS.	R.C.P.	FEDERAL PIPE CO., GLENNS FALLS, N.Y.
CUTBACK ASPHALT	AM. BITUMULES CO., E. PROV., R.I.	A.C.C.G.M.P.	N.E. METAL CULV. CO., BOSTON, MASS.
CEMENT	LONE STAR PORT. CEM. CO., HUDSON, N.Y. GLENNS FALLS PORT. CEM. CO., GLENNS FALLS, N.Y.	G.R. CABLE	AM. ST. & WIRE CO., NEW HAVEN, CONN.
CONC. AGGREGATES	KIRBY PLANT HINESBURG BOOSKA PLANT, HINESBURG	G.R. PAINT	FRANKLIN PAINT CO., FRANKLIN, MASS. (BLACK) BRADLEY LABS, BRATTLEBORO
M.I.P. AGGREGATES	BOOSKA PLANT, HINESBURG		
CONTRACTOR	GEORGE & VREDENBURGH	CONTRACT DATED	MARCH 11, 1954
RESIDENT ENG'R.	S. VAUGHN CLIFFORD	CONTRACT STARTED	MARCH 18, 1954
INSPECTORS		CONTRACT COMPLETED	SEPT. 6, 1955
RECORD PLANS	J. TURNER	CONTRACT ACCEPTED	SEPT. 8, 1955

GROUND ELEVATION DATUM MSL LINE
GRADE ELEVATION DATUM MSL LINE

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.

SCALES
TITLE ..... 1" = 1000'
TYPICAL ..... 1" = 2'
PLAN ..... 1" = 50'
PROFILE HORIZONTAL ..... 1" = 50'
PROFILE VERTICAL ..... 1" = 10'
CROSS-SECTIONS ..... 1" = 5'

COUNTY
TOWN
FENCE
STONE
UNFEN
GUARD
TRAVE
RAILROA
RETAI
GENTE
SURVE
CULVE
DROP
TROLL
POWER
TELEP
TRELL
HEDGE

PROJECT BRISTOL-STARKS. B. RD. NUMBER 171 (6) TYPE
CONTRACTOR Geo Vredenburgh
LOCATION RT. 116 (Including two bridges) Rt. 4.391
BRISTOL-STARKSBORO F 171 (6)
CONTR.- George Vredenburgh
RECORD PLANS - S. VAUGHN
CONST. COMPLETED - SEPT. 6 1955

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 1948, AS APPROVED JULY 15, 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.

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
~~Town~~ Rte of VT. 116
(To Be Returned To R.O.W. Division)

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DISTRICT ENGINEER DATE

Pin # 00R495

APPROVED CONSTRUCTION ENGINEER	APPROVED BRIDGE ENGINEER	APPROVED DISTRICT ENGINEER	APPROVED HIGHWAY ENGINEER	APPROVED CHIEF ENGINEER
DATE Jan. 29, 1954	DATE JAN. 28, 1954	DATE Jan. 26, 1954	DATE NOV. 15 1953	DATE NOV 16 1953

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

PROJECT F NO. 171(6)
SHEET 1 OF 110 SHEETS