

INDEX OF SHEETS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

FEDERAL AID SECONDARY

TOWN OF RANDOLPH

COUNTY OF ORANGE

VERMONT ROUTE 12

BETHEL - MONTPELIER ROAD

Pin# 99R944

R.O.W. PLANS

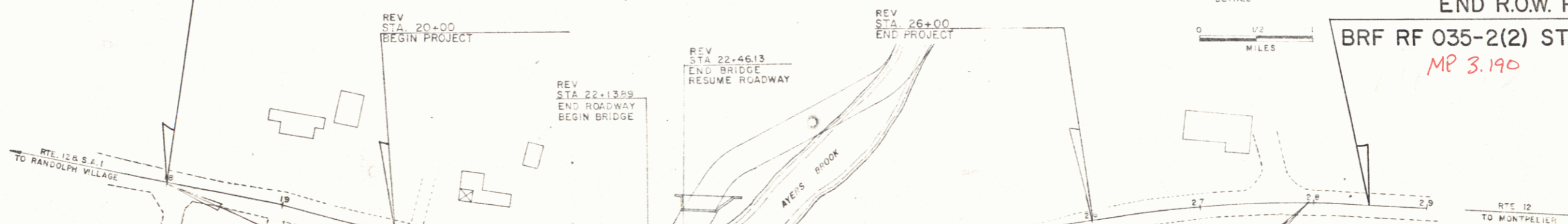
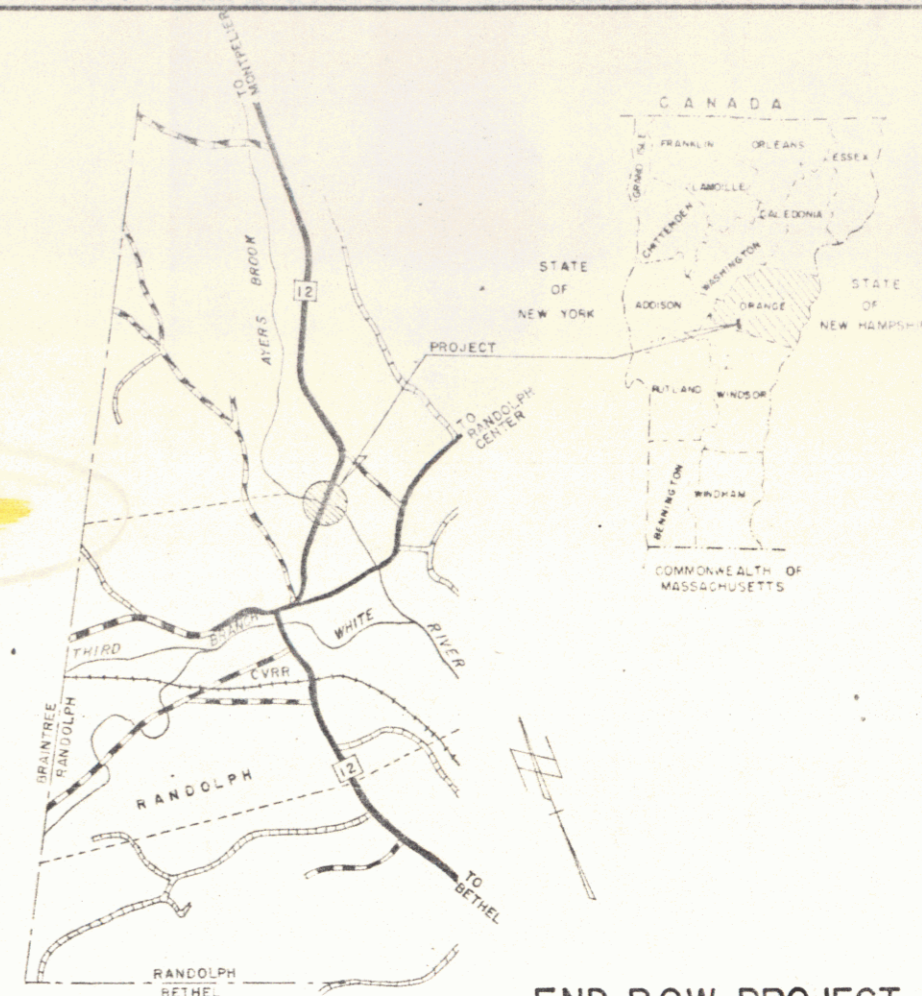
BEGINNING AT A POINT APPROXIMATELY 300 FEET WEST OF THE RANDOLPH VILLAGE LINE AND EXTENDING IN AN EASTERLY DIRECTION 0.114 MILE

LENGTH OF PROJECT 600.00 FEET = 0.1135 MILES
LENGTH OF ROADWAY 567.76 FEET = 1.062 MILES
LENGTH OF BRIDGE 32.24 FEET = 0.061 MILES
LENGTH OF R.O.W. PROJECT = 1050 FEET = 0.199 MILES

1975 ADT =
1995 ADT =
1995 DHV =
D =
T =
V = 40 MPH

BEGIN R.O.W. PROJECT MP 2.991
BRF RF 035-2(2) STA. 18+00

END R.O.W. PROJECT
BRF RF 035-2(2) STA. 28+50
MP 3.190



CONVENTIONAL SIGNS

- POINT OF ACCESS
- LIMITS OF ACCESS
- COUNTY LINE
- TOWN LINE
- FENCE LINE
- STONE WALL
- UNFENCED PROPERTY
- GUARD RAIL
- TRAVELED WAY
- RAILROAD
- RETAINING
- CEN
- SURVEY
- CULVERT
- DROP INLET
- TROLLEY POLE
- POWER POLE
- TELEPHONE POLE
- TREES
- HEDGE
- F.A. CONSTRUCTION IDENTIFICATION SIGNS

- SLOPE RIGHTS
- GROUND ELEVATION
- GRADE ELEVATION
- CURVE DATA
- DEFLECTION OF ANGLE
- DEGREE OF CURVE
- RADIUS OF CURVE
- TANGENT DISTANCE
- LENGTH OF CURVE
- EXTERNAL DISTANCE
- POINT OF INTERSECTION
- POINT OF CURVE
- POINT OF TANGENT
- POINT ON TANGENT
- POINT ON SUB-TANGENT
- R.O.W. LIMITS

FOR RIGHT OF WAY DETAILS, SEE RIGHT OF WAY PLANS FOR THIS PROJECT.
BENCH MARKS BASED ON ELEVATIONS

0 50 100 FEET

CONSTRUCTION LIMITS
18+00 TO 28+00

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.

FEB 29 1980

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

PROJECT: RANDOLPH

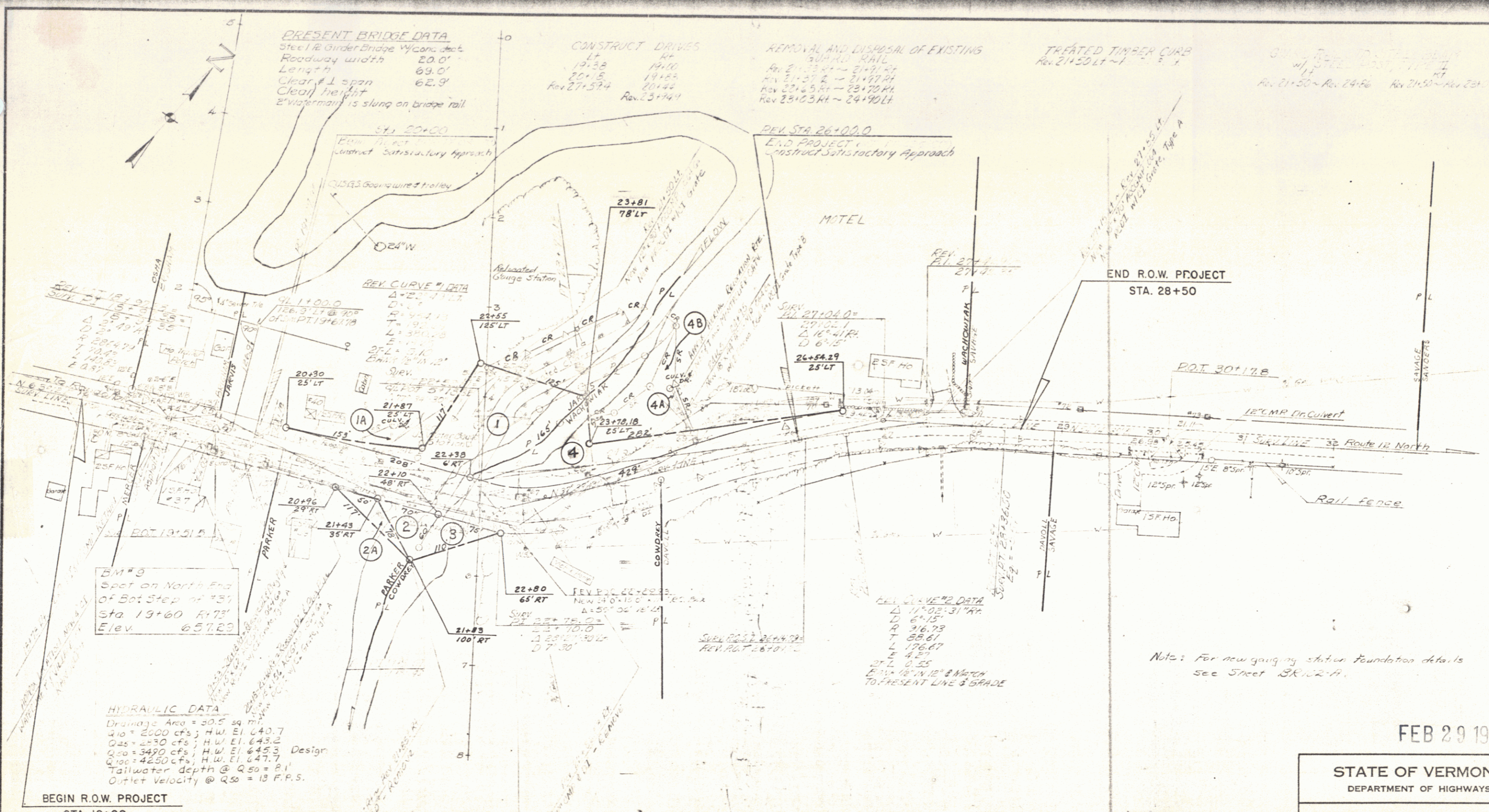
APPROVED

DIVISION ENGINEER DATE

APPROVED [Signature]
SECOND DIRECTOR OF RIGHT-OF-WAY
DATE 3-6-75

APPROVED [Signature]
FILE ENGINEER
DATE 5-6-75

PROJECT BRF RF 035-2 (2)
SHEET 1 OF 5 SHEETS



PRESENT BRIDGE DATA
 Steel & Girder Bridge w/ conc. deck
 Roadway width 20.0'
 Length 69.0'
 Clear # 1 span 62.9'
 Clear height
 2' watermain is slung on bridge rail

CONSTRUCT DRIVES
 19+52-19+70
 20+18-20+42
 Rev. 27+54
 Rev. 25+74

REMOVAL AND DISPOSAL OF EXISTING
 30' x 40' RAIL
 Rev. 21+33-21+41
 Rev. 21+37-21+44
 Rev. 22+58-22+74
 Rev. 23+03-23+10

TREATED TIMBER CURB
 Rev. 21+50-21+50
 Rev. 24+50-24+50

B.M. 9
 Spot on North End
 of Bot Step of #31
 Sta 19+60 R. 73'
 Elev. 657.23

HYDRAULIC DATA
 Drainage Area = 50.5 sq. mi.
 Q10 = 2000 cfs; H.W. El. 640.7
 Q25 = 330 cfs; H.W. El. 643.2
 Q50 = 3490 cfs; H.W. El. 645.3
 Q100 = 4250 cfs; H.W. El. 647.7
 Tailwater depth @ Q50 = 2.1
 Outlet Velocity @ Q50 = 13 F.P.S.

BEGIN R.O.W. PROJECT
 STA. 18+00

EXCAVATION AND REMOVAL OF ROAD SURFACES AND PAVEMENTS
 Rev. 22+50-24+50

UNCLASSIFIED CHANNEL
 (Channel Line)
 2+90-4+24
 5+46-5+55

STONEFILL TYPE III
 (Channel Line)
 2+42-5+55

STONEFILL TYPE II
 (Channel Line)
 3+05-4+26 3+50-4+29

DEMOLITION AND DISPOSAL OF BUILDING
 R. 22+40

Note: For new gauging station foundation details see Sheet BR102-A.

FEB 29 1980

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

TOWN OF RANDOLPH
 ROAD No. VT 12 BRIDGE No. _____
VT 12 over AYERS BROOK
PLAN

SCALE 1" = 50'-0"
 SURVEYED BY Martin 1/63
 DRAWN BY Hopkins CHECKED BY _____
 PROJECT No. BR-RF-035-2(R)
 SHEET 4 OF 5