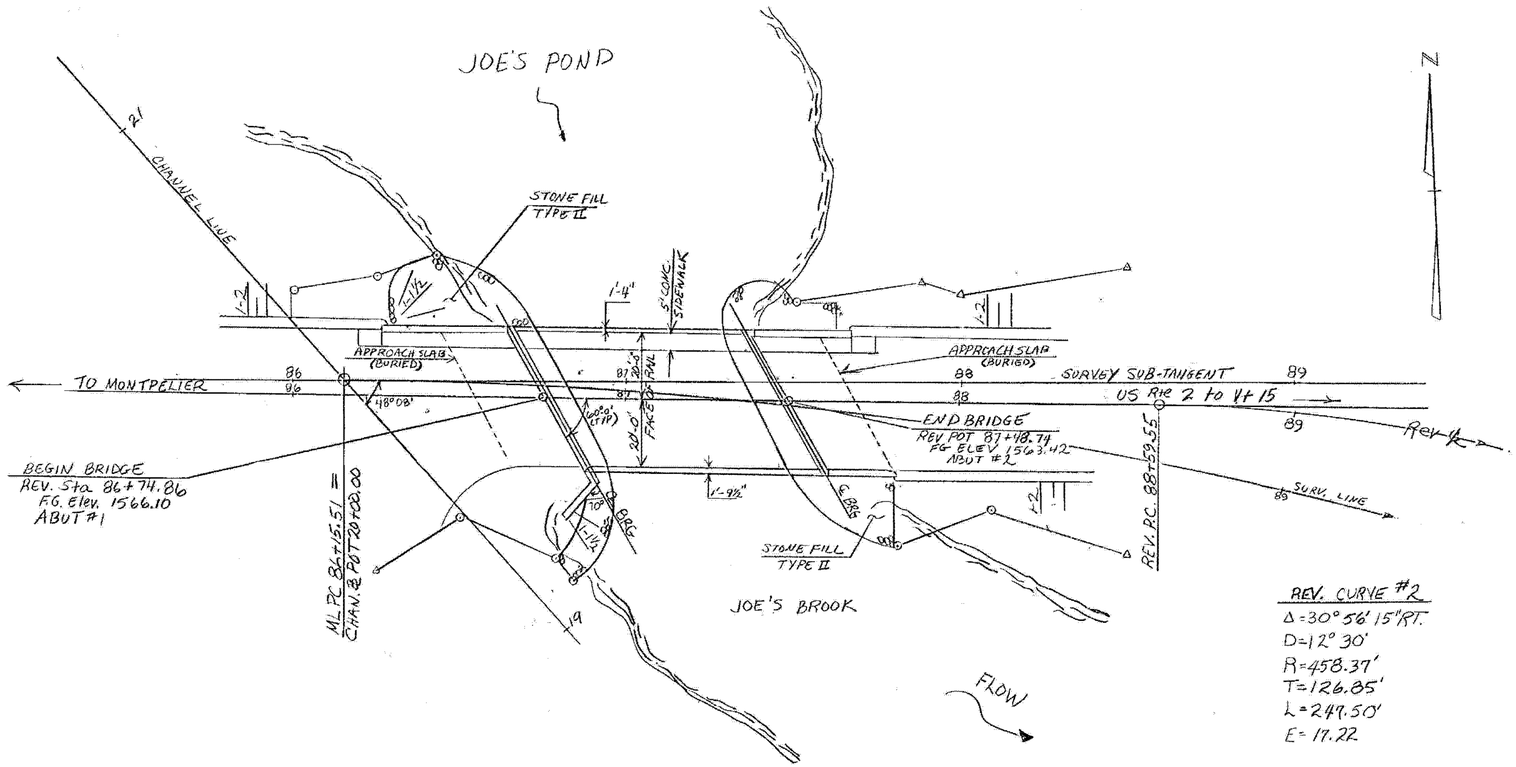
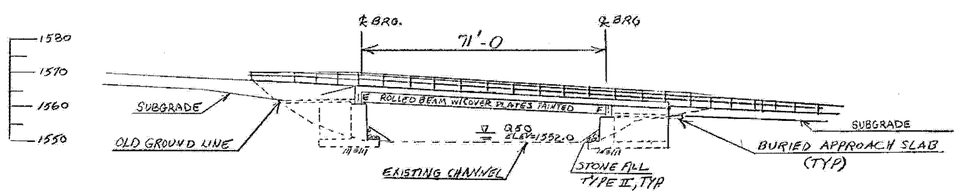


PLAN
Scale 1"=20'

REV. CURVE #2
Δ=30°56'15"RT.
D=12°30'
R=458.37'
T=126.85'
L=249.50'
E=17.22

VERTICAL CURVE
PVI = STA 85+80
ELEV. = 1569.80'
LVC = 250.00'
E = -1.835
G_1 = 2.08696
G_2 = -3.7839



ELEVATION
Scale: 1" = 20'

BRIDGE CONSTRUCTION SEQUENCE

PHASE 1

A. INSTALL TRAFFIC CONTROL SIGNAL LIGHTS AND ESTABLISH ONE-WAY TRAFFIC ON LEFT (POND) SIDE OF BRIDGE, INSTALL TEMPORARY BARRIER RAIL, ADD GRAVEL AND PAVEMENT ON THE BRIDGE UP TO TOP OF SIDEWALK CURB. SEE DETAIL SHEET BR 104.

B. CUT DECK AT APPROXIMATELY 1'-0" TO RIGHT OF EXISTING BEAM #4. REMOVE DECK AND EXISTING BEAMS # 5 & 6, CUT PIERS DOWN TO ELEVATIONS DETAILED ON SHEET BR 104. REHABILITATE EXISTING BEAMS # 3 & 6, AS SHOWN ON SHEET BR 106.

C. REMOVE PART OF PIER STEMS AND FOOTINGS ON RIGHT SIDE AT BOTH NEW ABUTMENT LOCATIONS AS SHOWN ON ABUTMENT DETAIL SHEETS BR 112, 113 & 114.

D. DOWEL INTO EXISTING PIER STEM AND LEDGE, FORM AND POUR NEW SECTIONS OF ABUTMENTS AND WINGWALLS. THIS MUST INCLUDE THE POUR THAT FACES THE EXISTING STEM UNDER EXISTING BEAMS 1, 2, 3, & 4, UP TO ELEVATION 1558.8 AT ABUTMENT 1 AND ELEVATION 1557.2 AT ABUTMENT 2.

E. STRIP FORMS, PLACE STONE FILL, BACKFILL TO BOTTOM OF APPROACH SLAB ELEVATION, AND SET REHABILITATED BEAMS # 3 & 6 ALONG WITH NEW BEAMS # 7 & 8. TAKE BEAM PROFILES AND POUR THE NEW DECK AND CURTAINWALLS. SHEETING MAY BE REQUIRED SO THAT REMAINING ABUTMENTS AND WINGWALLS CAN BE EXCAVATED AND BUILT. COST OF SHEETING SHALL BE SUBSIDIARY TO "MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS".

F. POUR APPROACH SLABS AND THE CONCRETE CURB ON THE RIGHT SIDE.

G. PLACE ROADWAY SUBBASE MATERIALS AND BASE COURSE PAVEMENTS ALONG WITH BRIDGE RAIL AND APPROACH RAILING FOR RIGHT SIDE.

PHASE 2

A. MOVE TEMPORARY BARRIER RAIL AND SHIFT TRAFFIC PATTERN TO RIGHT SIDE WITH 14'-0" MINIMUM CLEAR WIDTH.

B. REMOVE REMAINING EXISTING DECK AND REHABILITATE BEAMS 1, 2, 3, & 4. CUT EXISTING PIER STEMS DOWN TO NEW CONCRETE (PHASE 1, D). EXCAVATE FOR REMAINING ABUTMENT AND WINGWALLS AND POUR UP TO BRIDGE SEAT ELEVATIONS.

C. STRIP FORMS, PLACE STONE FILL, BACKFILL TO BOTTOM OF APPROACH SLAB ELEVATION. REMOVE SHEETING OR LEAVE IT IN PLACE. NO WOOD SHEETING IS TO BE LEFT IN PLACE.

D. SET REHABILITATED BEAMS 1, 2, 3, & 4. TAKE BEAM PROFILES, FORM AND POUR SLAB AND CURTAINWALLS. FORM AND POUR TOP OF WINGWALLS.

E. POUR APPROACH SLAB AND BRIDGE SIDEWALK CURB.

F. PLACE ROADWAY SUBBASE MATERIALS, BASE COURSE PAVEMENT, VERTICAL GRANITE CURBING AND SIDEWALK ALONG WITH BRIDGE RAIL AND APPROACH RAILING ON LEFT SIDE.

G. PLACE "SHEET MEMBRANE WATERPROOFING" AND BRIDGE PAVEMENT.

H. SWITCH TRAFFIC TO LEFT SIDE AND PLACE "SHEET MEMBRANE WATERPROOFING" AND PAVEMENT ON RIGHT SIDE.

I. REMOVE TEMPORARY BARRIER RAIL AND TRAFFIC CONTROL SIGNALS.

DANVILLE
BF MEMB (36)

SHEET 15 OF 22
BRIDGE 92
FOR REFERENCE ONLY

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of DANVILLE	Bridge No. 92
	Log Sta. 87+38
Highway No. U.S. ROUTE 2	Rev. Sta. 87+11.8
U.S. 2 OVER JOE'S BROOK	
PLAN AND ELEVATION	
Designed By S.G. Farnsworth	Drawn By J. Bushey/KGW
Checked By S. FARNSWORTH Date 2/86	Bridge Design Supervisor F.W. Bolkum Date 3/86
PROJECT DANVILLE	PROJECT NO. BRF 028-3(19)S
L.C.C. Info.	
Bridge Sheet No. BR103	Sheet 37 of 125

BR-6

BRUNING 44232 64442