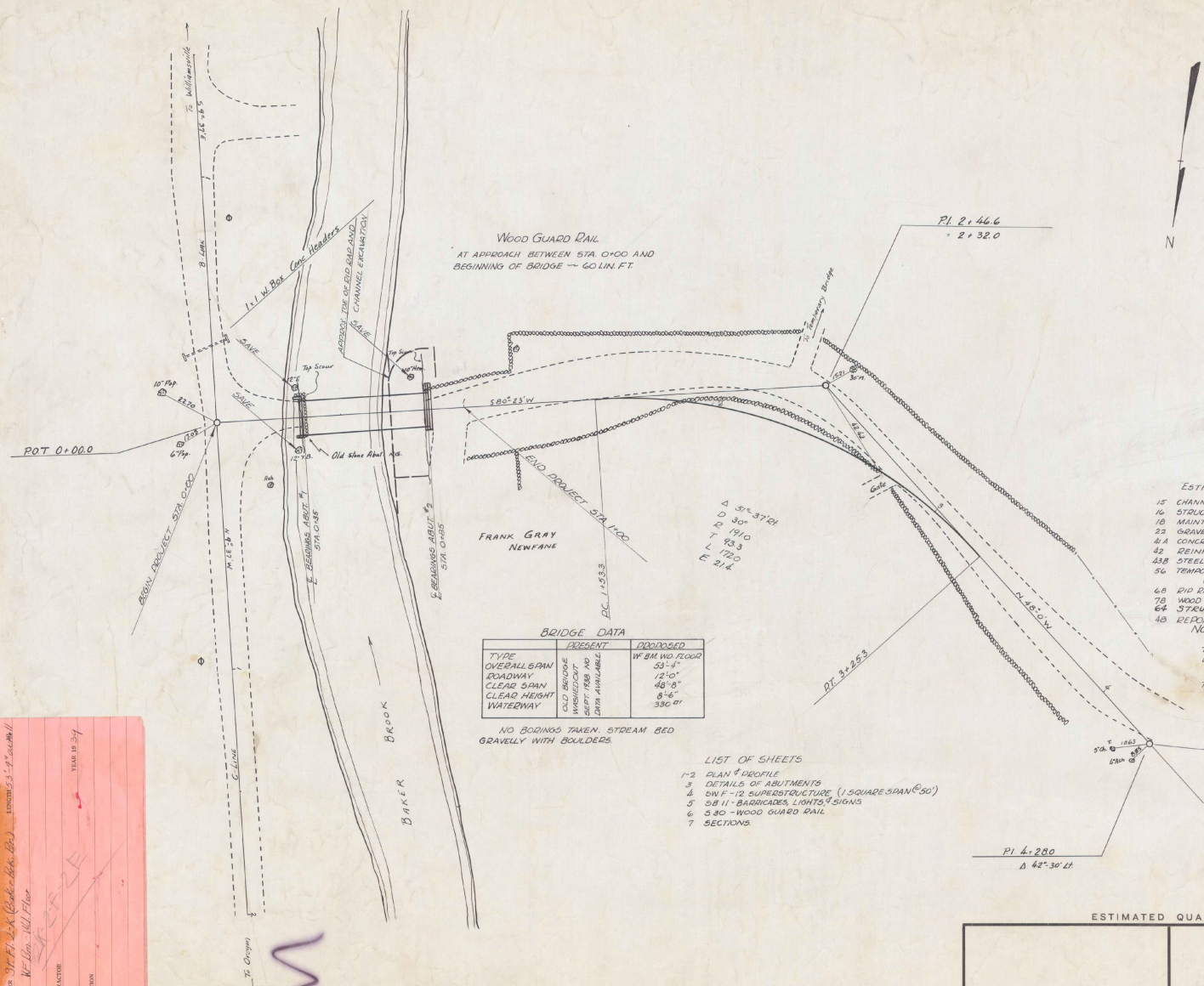




ESTIMATE OF QUANTITIES

15 CHANNEL EXCAVATION	110 CY.
16 STRUCTURE EXCAVATION	46 CY.
18 MAINTENANCE OF TRAFFIC	1 L.S.
22 GRAVEL SURFACE COURSE	10 CY.
4A CONCRETE CLASS "A"	20 CY.
42 REINFORCING STEEL	283 LBS.
43B STEEL SUPERSTRUCTURE (ST70)	1 L.S.
56 TEMPORARY BRIDGE	1 L.S.
6A (MAINTENANCE REMOVAL)	
6B DID RAP FOR BANK PROT. (HEAVY TYPE)	70 CY.
7B WOOD GUARD RAIL	60 L.F.
6A STRUCTURAL TIMBER	7 M.B.M.
4B REPOINTING MASONRY	25 SQ YDS.

NOTE:-
 SUITABLE MATERIAL FROM CHANNEL STRUCTURE EXCAV. TO BE USED FOR APPROACH FILL. ANY EXCESS TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
 GRAVEL SURFACE COURSE (5" THICK OR SHARPING COURSE) TO BE PLACED ON APPROACHES.

BRIDGE DATA

TYPE	PRESENT	PROPOSED
OVERALL SPAN	53'-4"	53'-4"
ROADWAY	12'-0"	12'-0"
CLEAR SPAN	48'-8"	48'-8"
CLEAR HEIGHT	8'-6"	8'-6"
WATERWAY	330 SQ FT	330 SQ FT

NO BODINGS TAKEN. STREAM BED GRAVELLY WITH BOULDERS.

- LIST OF SHEETS
- 1-2 PLAN & PROFILE
 - 3 DETAILS OF ABUTMENTS
 - 4 SWF - 12 SUPERSTRUCTURE (1 SQUARE SPAN @ 50')
 - 5 SB 11 - BARRICADES, LIGHTS & SIGNS
 - 6 3-0 - WOOD GUARD RAIL
 - 7 SECTIONS

ESTIMATED QUANTITIES

APPROVED: 1939
R.M. Stevens
 DISTRICT HIGHWAY COMMISSIONER

CORRECT: 1939
W. J. Sargent
 BRIDGE ENGINEER

APPROVED: Aug 25 1939
H. J. Sargent
 COMMISSIONER OF HIGHWAYS

NEWFANE FLOOD APRIL 299
 BAKER BROOK BRIDGE 2-K

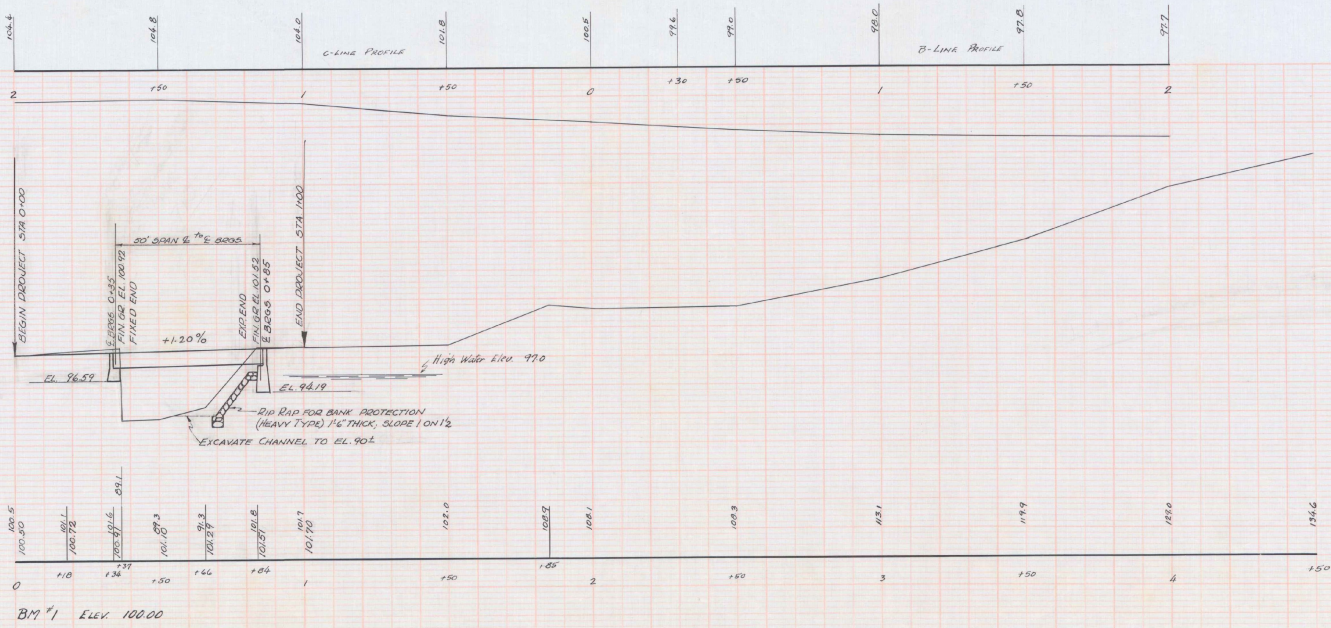
Surveyed by	G. F. Webb	April 1939
Designed by	G. B. Hanson	April 21, 1939
Drawn by	G. B. Hanson	April 23, 1939
Traced by		
Checked by		
Series	50 P.L. No. 2-K	First
Sheet	1 of 7	Sheets

NEWFANE
 NUMBER 50 P.L. 2-K (Baker Brook Bridge)
 TYPE W.F. 11' 11" 11' 11"
 CONTRACTOR
 LOCATION
 YEAR 1939

PLAN
 NORTH
 1" = 40' HORIZ.
 1" = 4' VERT.

FILE
 S. F. Wells
 S. L. Harris
 C. B. Harris
 Apr. 27
 4:12 PM

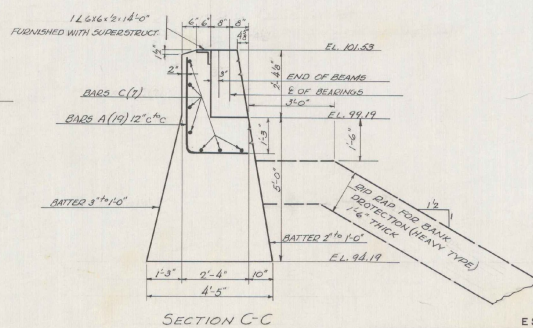
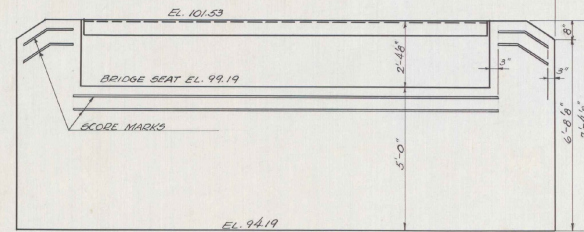
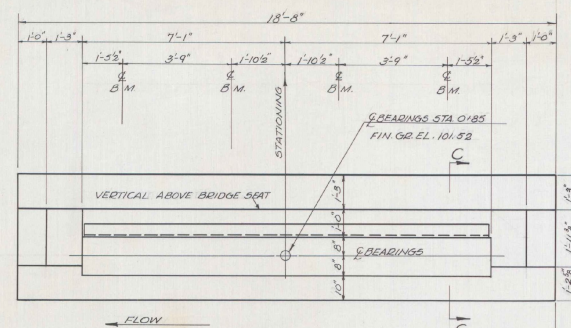
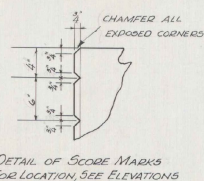
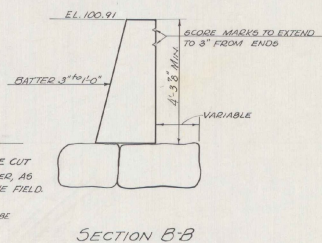
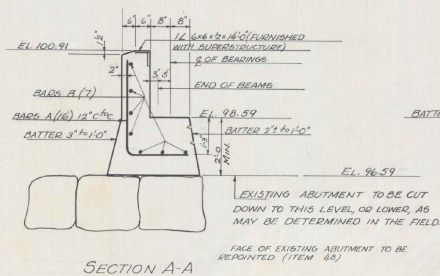
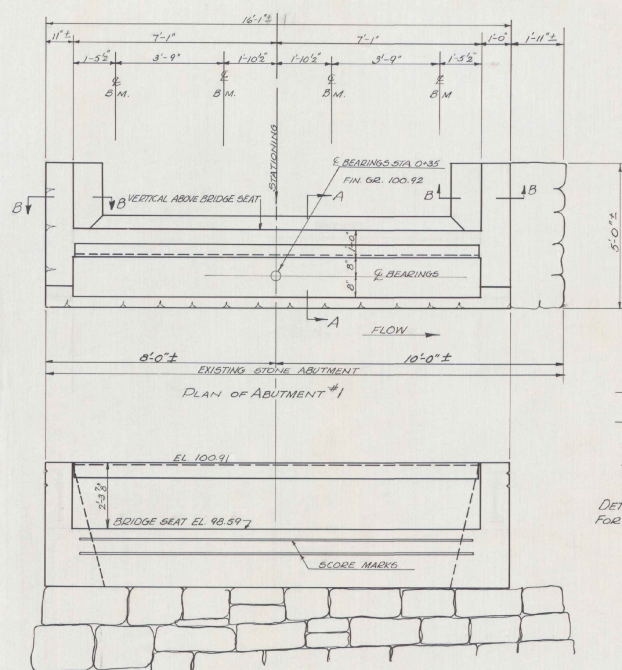
EST. NO.	STATION	PRO. NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	1				



NEWFANE
 BAKER BROOK BRIDGE *2K

Sheet #2 of 1

HES



REINFORCING STEEL

BARS A - $\frac{1}{2}" \phi$ - $35 \times 5'2"$

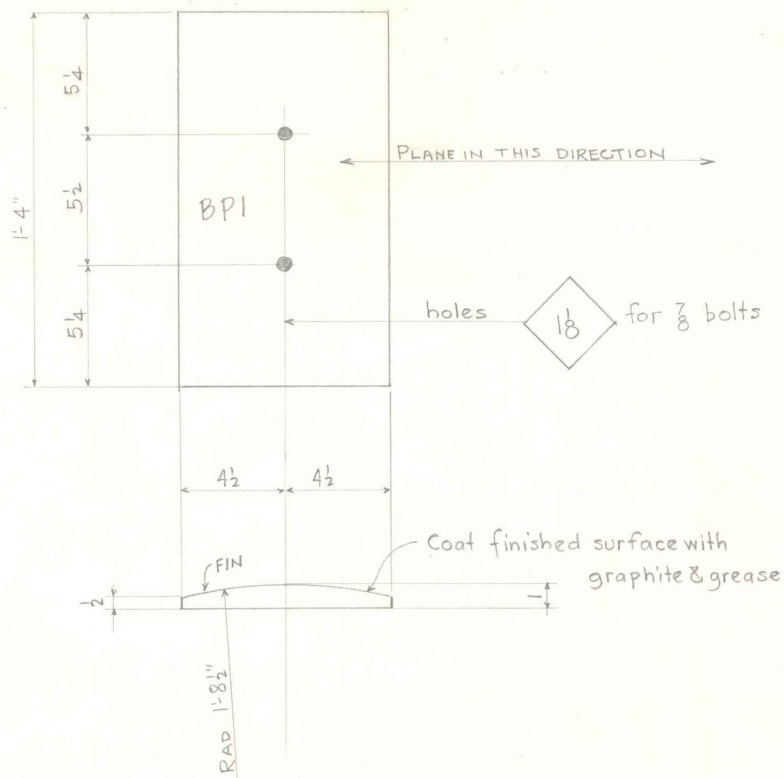
 BARS B - $\frac{1}{2}" \phi$ - $7 \times 15'6"$ STRAIGHT
 BARS C - $\frac{1}{2}" \phi$ - $7 \times 18'0"$ " BEND IF NECESSARY

DETAILS OF ABUTMENTS
BAKER BROOK BRIDGE
NEWFANE

ESTIMATED QUANTITIES

	#1	#2
CHANNEL EXCAVATION	CY —	110
STRUCTURE "	CY 11	35
CONCRETE CLASS 2*	CY. 6	14
REINFORCING STEEL	LBS 130	153
RIP RAP (HEAVY TYPE	CY. —	70
REPOINTING MASONRY	SY 25	

Surveyed by
Designed by H.E.S.
Drawn by H.E.S.
Traced by H.W.S.
Checked by L.M.B.
Series J.F.L. No. 2-K
Sheet 3 of 7

[illegible]

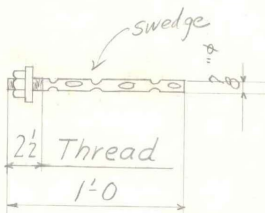
Paint Yes except as
noted for fin surface

STATE OF VERMONT

NAME OF STRUCTURE

BAKER BROOK BRIDGE - 2K NEWFANE VERMONT

AMERICAN BRIDGE COMPANY

SKETCH	LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR ONE MEMBER	ORDERED			SHIPMENTS
				SHAPE	LENGTH FT. INB.		NO. PCS.	LENGTH FT. INB.	ITEM	
 Swedge 2 1/2 Thread 1'-0 SHIP IN ADVANCE	1									
	2									
	3									
	4									
	5	16	X1		3" Anch B	1 0				5
	6	16			Hex Nuts 3	Tap				5
	7	16	0		2 1/2 x 3 x 1/2	hole				5
	8									
	9									
	10									
	11									
	12									
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	45									
	46									

Anchor Bolts

DATE NAME ELW 9 23 39

DATE 10 7 26 39

DRAWINGS Elmro

FABRICATION Ambridge

ORDER No. H2870

SHEET No. C1

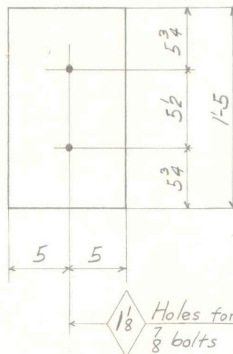
NAME OF STRUCTURE BAKER BROOK BRIDGE #2K, NEWFAIR, VERMONT

8 x

AMERICAN BRIDGE COMPANY

SKETCH	LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR ONE MEMBER	ORDERED			SHIPMENTS
				SHAPE	LENGTH FT. INS.		NO. PCS.	LENGTH FT. INS.	ITEM	
	1									
	2									
	3									
	4									
	5									
	6	24	M3	12 oz. to 14 oz. Duck					Ambridge 20125	
	7			10 x 1 5						
	8									
	9	1/2		Gal. red lead paste					5	
	10									
	11									
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	43									
	44									
	45									
	46									

NO PAINT



Duck

Red Lead Paste

DATE	NAME	DATE	NAME
10	EGK	10	EGK
9		9	
39		39	

DATE	NAME	DATE	NAME
10	EGK	10	EGK
9		9	
39		39	

ORDER No. H2870

SHEET No. C 2

NAME OF STRUCTURE

STATE OF VERMONT ~ BAKER BROOK BRIDGE-2K - NEWFANE, VERMONT 8

AMERICAN BRIDGE COMPANY

LINE NO.	ACTUAL NUMBER REQ'D.	NO. SHIPPED	DIAM.	RIVETS		BOLTS					GRIP		CALCULATED WEIGHT TOTAL	SHIPMENTS
						LENGTH UNDER HEAD	HEAD	NUT	WASHER	TYPE OF BOLT				
1														
2														
3		12	3/4			1 3/4	Hx	Hx			7	N1 to S1		
4		12	"			2 1/4	"	"			1 1/4	"		
5		40	"			2	"	"			1	ED1 to S1		
6														
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FIELD RIVETS AND BOLTS

DATE	10/16/37
NAME	

DATE

DRAWINGS
Elmira
FABRICATION
Ambridge

ORDER No.
H2870

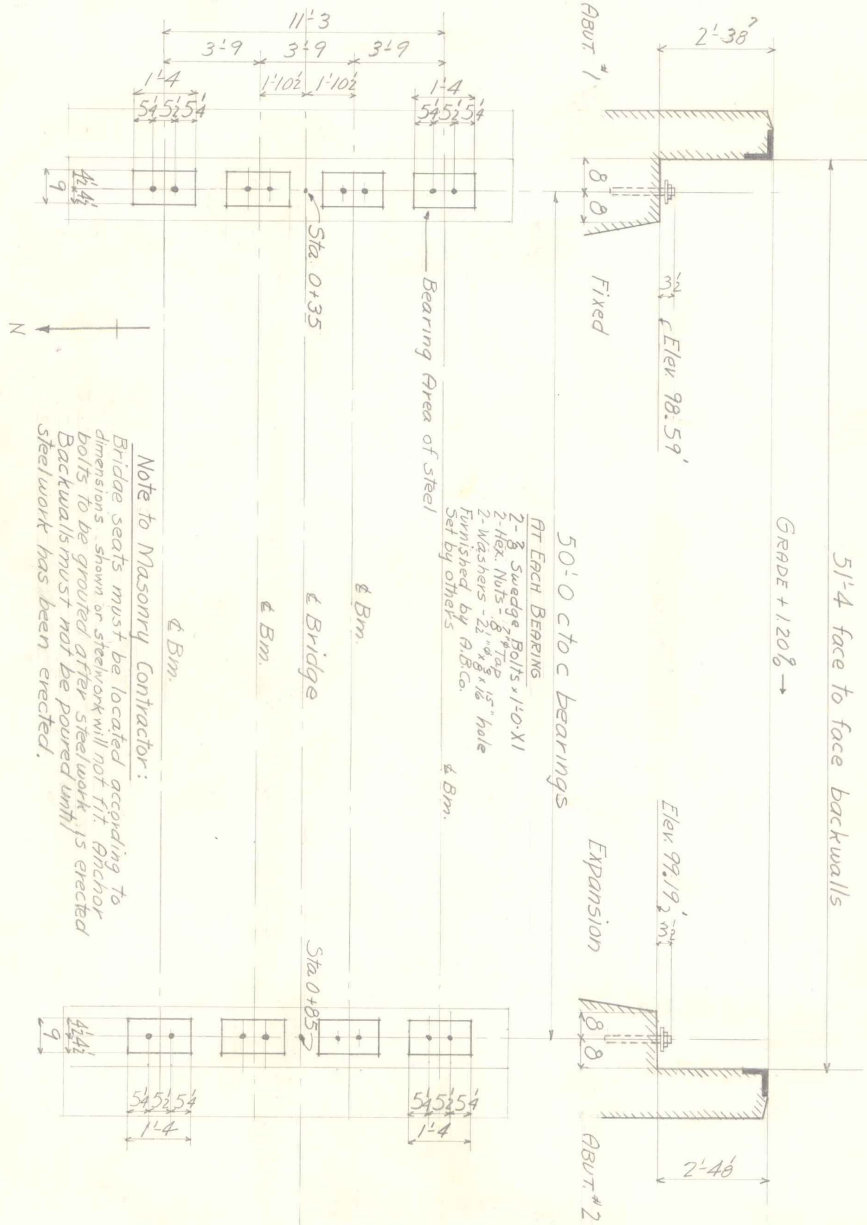
PAGE No.
C3

NAME OF STRUCTURE

State of Vermont Baker Brook Br. 2-K. Newfane Vt.

RIVETS		BOLTS																																																																																																																																																																																																							
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AMERICAN BRIDGE COMPANY

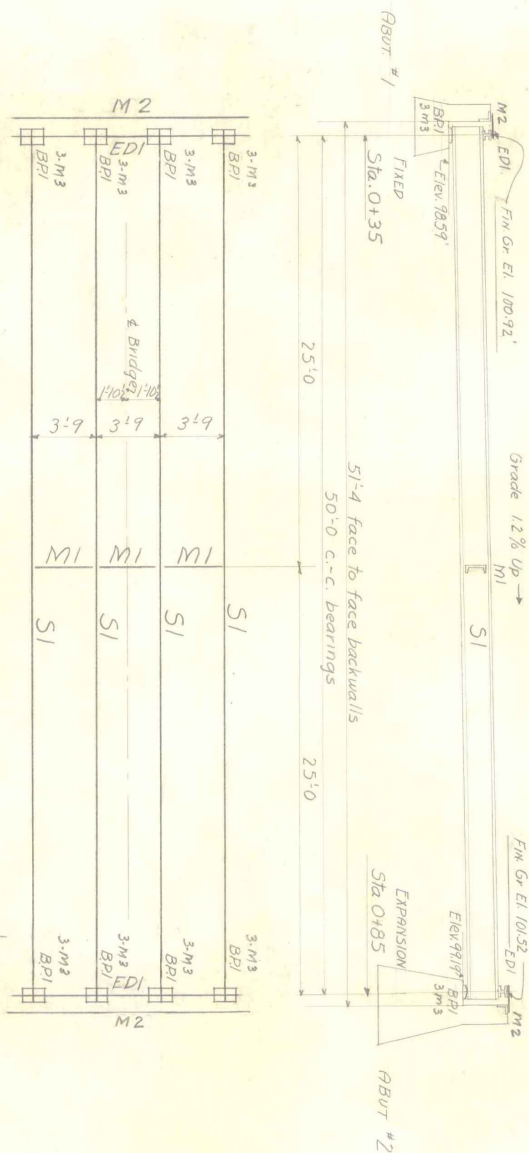


Masonry Plan		RIVETS HOLES		DATE		DRAWINGS		ORDER No.		SHEET No.	
PAINT				EWO 9/25/39		Elmira		H28 70		EF1	
CONTACT SURFACES				G.W. 9/26/39		Ambridge					
STATE OF VERMONT BAKER BROOK BRIDGE #2K NEWFANE, VERMONT											

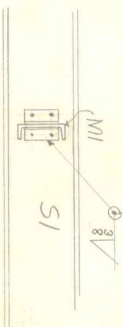
[illegible]

SECRETARY OF THE ARMY
SKETCH SHEET

AMERICAN BRIDGE COMPANY

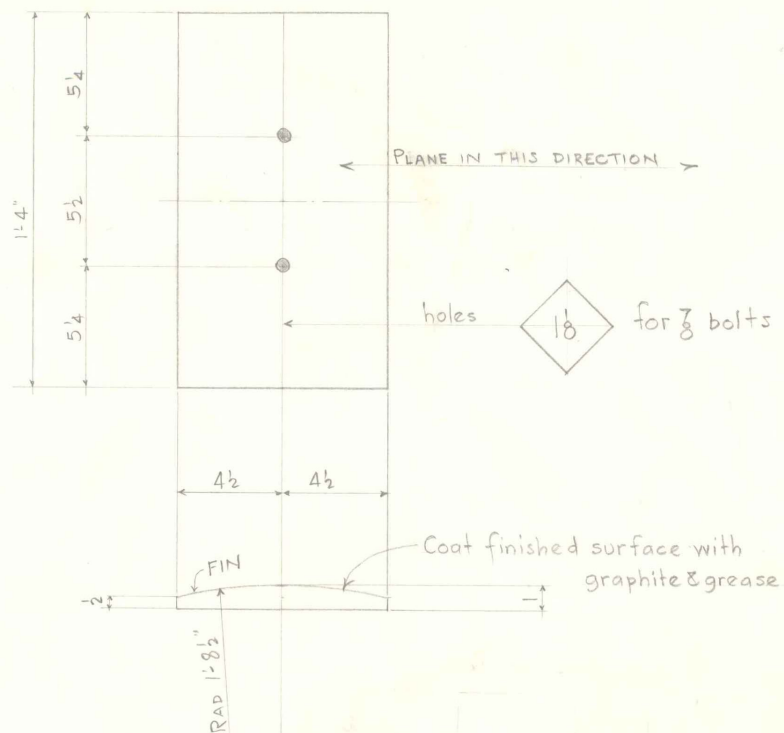


SECTION SHOWING FIELD CONNECTION
OF DIAPHRAGMS TO STRINGERS.

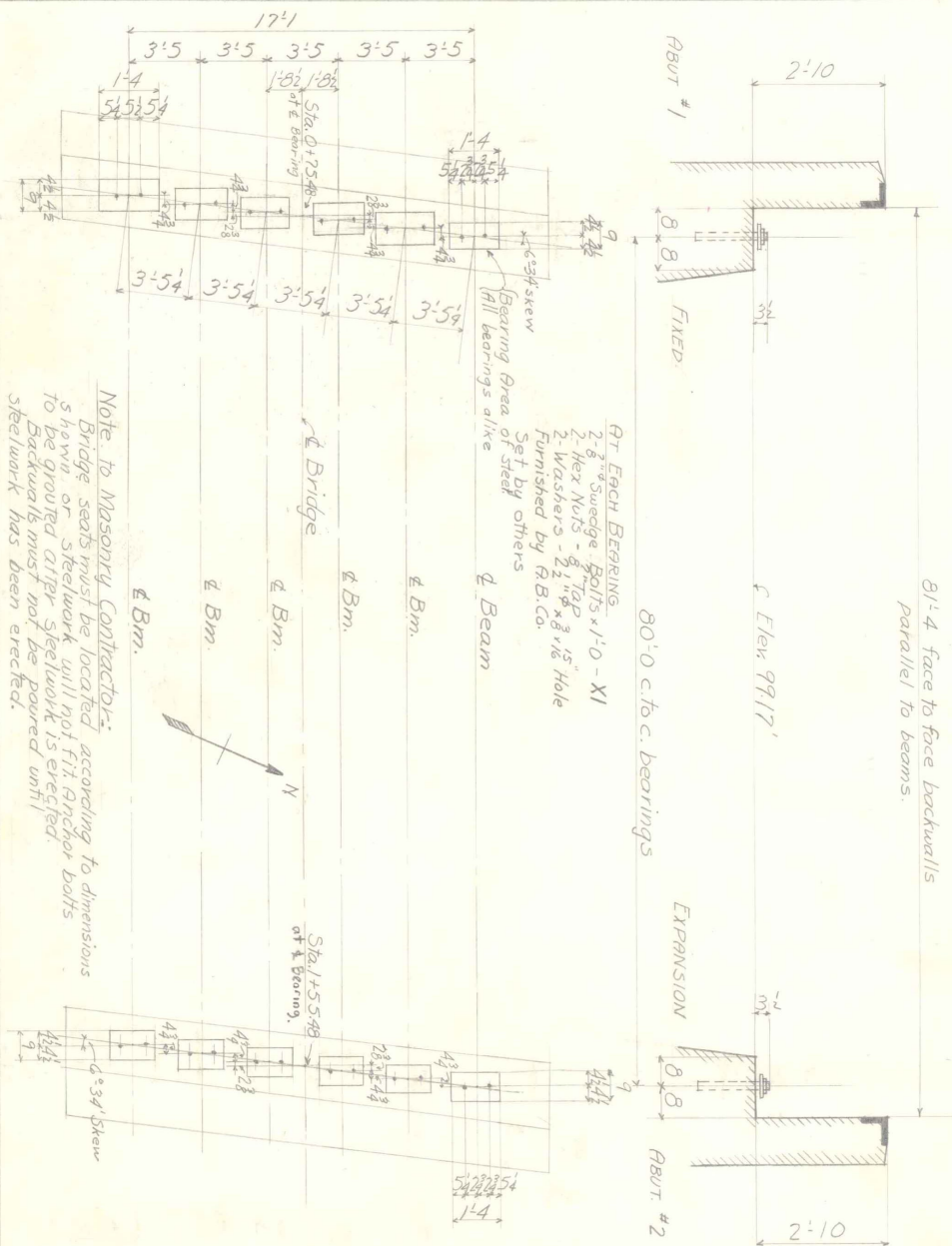


All field connectors bolted and
diaphragms M welded to stringers.
Threads of Anchor & Field bolts checked
after tightening nuts.

ERECTION DIAG.		RIVETS	HOLDS	DATE	NAME	DATE	DRAWINGS	ORDER No.	SHEET No.
PAINT				Two	9 26 39	19	E		
CONTACT SURFACES				TJK	10 3 31		FABRICATION A		
STATE OF VERMONT NAME OF STRUCTURE BAKER BROOK BRIDGE - #2K - NEWFAINE, VERMONT									

[illegible]

STATE OF VERMONT	NAME OF STRUCTURE
RAND'S CROSSING BRIDGE - 2F	NEWFANE VERMONT



Note to masonry Contractor:-
Bridge seats must be located according to dimensions shown or steelwork will not fit. Anchor bolts to be grouted after steelwork is erected.
Backfills must not be poured until steelwork has been erected.

Masonry Plan

DATE
NAME
FWO

COW 9/26/39

Elmira

Ambric

Elmira

H2869

SHEET No. _____

EF1

NAME OF STRUCTURE
State of Vermont, Rands Crossing Bridge #2F, Newfane, Vermont

1 June 1 2

AMERICAN BRIDGE COMPANY

SKETCH	LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR ONE MEMBER	ORDERED			SHIPMENTS
				SHAPE	LENGTH FT. INS.		NO. PCS.	LENGTH FT. INS.	ITEM	
	1									
	2									
	3									
	4									
	5	24	XI	3" Anch. B	10				5	
	6	24		Hex. Nuts	3 Tap				5	
	7	24	⊙	2 1/2" x 3/8" x 1 1/2" hole					5	
	8									
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Anchor Bolts

DATE: FWO 9 25 37

DATE: 10

DRAWINGS: Elmira

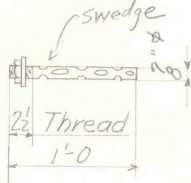
FABRICATION: Ambridge

ORDER No. H2869

SHEET No. C 1

NAME OF STRUCTURE: RANOS CROSSING BRIDGE #2F, NEWFANE, VERMONT

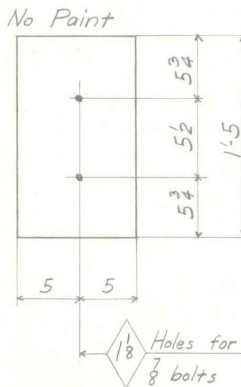
82



SHIP IN ADVANCE

SKETCH, SHOP AND SHIPPING BILL AMERICAN BRIDGE COMPANY

SKETCH	LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR ONE MEMBER	ORDERED		SHIPMENTS
				SHAPE	LENGTH FT. INS.		NO. PCS.	LENGTH FT. INS.	
	1								
	2								
	3								
	4								
	5								
	6								
	7			36 M3 12oz. to 14oz Duck					
	8			10 x 15					
	9								
	10			2 Gal. red lead paste					5
	11								
	12								
	13								
	14								
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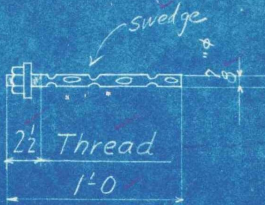
DUCK	DATE	10	19	39	DATE	10	19	39	DRAWINGS	Elmira	ORDER No.	SHEET No.
Red Lead Paste	NAME	LGR							FABRICATION	Ambridge	H2869	C 2

STATE OF VERMONT ~ RAND'S CROSSING BRIDGE - 2F ~ NEWFANE, VERMONT

State of Vermont. Rand's Crossing Bridge 2-F Newfane vt.

AMERICAN BRIDGE COMPANY

SKETCH	LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR ONE MEMBER	ORDERED			SHIPMENTS
				SHAPE	LENGTH FT. INCH.		NO. PCS.	LENGTH FT. INCH.	ITEM	
	1									
	2									
	3									
	4									
	5	16	X1	3" Anch B	1 0					
	6	16		Hex Nuts 3"	Tap					
	7	16	0	2 1/2 x 3/8 x 1/8	hole					
	8									
	9									
	10									
	11									
	12									
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	46									



SHIP IN ADVANCE

OK 1/1/34

Anchor Bolts

DATE	NAME	DATE	DRAWINGS
FRU 9 25 34			E. L. M. & A.
			FABRICATION
			Amer. Bldg.

ORDER No. H2870

SHEET No. C1

NAME OF STRUCTURE
BAKER BROOK BRIDGE #2K, NEWFANE, VERMONT

10/6/39

[illegible]

STATE OF VERMONT	NAME OF STRUCTURE
BAKER CREEK BRIDGE - 2K	NEWFANE VERMONT

AMERICAN BRIDGE COMPANY

SKETCH	LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR ONE MEMBER	ORDERED			SHIPMENTS
				SHAPE	LENGTH FT. INS.		NO. PCS.	LENGTH FT. INS.	ITEM	
No PAINT 5 5 5 5 10 15 1/8 inch holes for 8 bolts	1									
	2									
	3									
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	6									
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Duck Red Lead Paste	DATE NAME LGK 10 9 39	DATE DRAWINGS Elmira FABRICATION Ambridge	ORDER No. H2870	SHEET No. C 2
-----------------------------------	--	--	-------------------------------	-----------------------------

NAME OF STRUCTURE
STATE OF VERMONT ~ BAKER BROOK BRIDGE-2K - NEWFANE, VERMONT 8



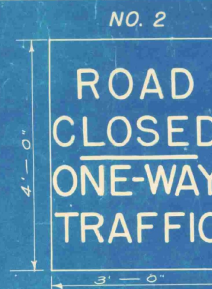
NOTES:- _____
WT OF STRUCT STEEL FOR ALL SPANS INCLUDES ACCESSORIES



SCALE $\frac{3}{4}" = 1'-0"$
UNLESS OTHERWISE NOTED.

Surveyed by _____
Designed by G.G.
Drawn by G.G.
Traced by D.W.P.
Checked by D.P.B.
Series SWF No. 42 Filed _____
Sheet _____ of _____ Sheets

Note: Unless otherwise directed by the Commissioner in a written order, this layout for Temporary Bridge, including Barricades, Lights, and Signs, shall be strictly adhered to.



Location of lights indicated thus: ●

Lights may be either lantern or bomb type. In no case shall the number of lights at each sign be fewer than shown on this sheet; and it is required that the warnings be legible at all times for a distance of 100 feet.

The Lump Sum bid for Maintaining Traffic, or for Temporary Bridge & Maintaining Traffic, shall include the furnishing, erecting, and maintaining of the lights, signs, and barricades, as called for on this sheet, during the entire period of construction.

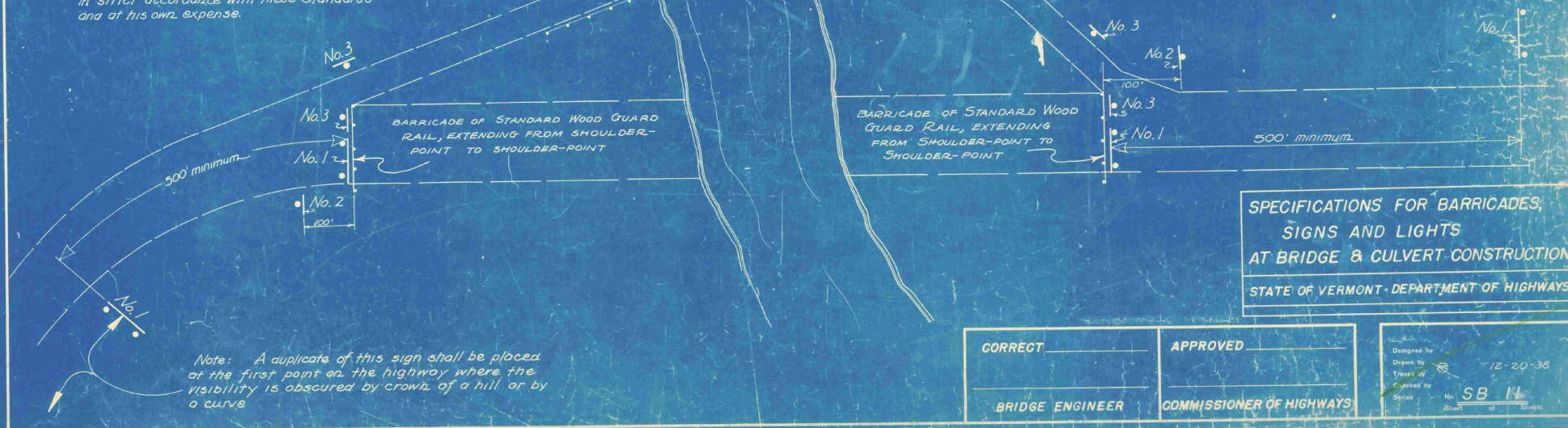
Where the contract does not include the erection of a temporary bridge, and the plans, specifications, or special provisions do not require the furnishing, erection, and maintenance of signs, barricades, and lights, such signs, barricades, and lights shall be furnished, erected, and maintained by the Contractor in strict accordance with these Standards and at his own expense.

The temporary bridge and its approaches shall be adequately and securely railed, and the attention of the Engineer, and of the Contractor, is called to this explicit requirement.

LETTERS shall be black on a white background. All letters shall be 6" high, spaced 3/4", except the word DANGER, on No. 1 sign, which shall be of letters 12" high, spaced 2".

ARROWS on No. 3 signs shall point in the proper direction. They shall be 2" overall, 6" from point to barb - barbs 4" wide, shaft 1 1/4" wide. Signs shall be securely set, plumb, and with the lower edge 18" above the ground. They shall be maintained free of all obstructions including grass and bushes. All signs, except those erected at the barricades, shall be set 3' from the edge of the traveled way.

ON ROAD CONSTRUCTION PROJECTS WHERE EACH END OF THE PROJECT IS PROTECTED BY APPROVED CONSTRUCTION SIGNS, THE No. 1 SIGNS ERECTED 500' FROM THE BARRICADES MAY BE OMITTED ON APPROVAL OF THE ENGINEER.



Note: A duplicate of this sign shall be placed at the first point on the highway where the visibility is obscured by crown of a hill or by a curve.

SPECIFICATIONS FOR BARRICADES,
SIGNS AND LIGHTS
AT BRIDGE & CULVERT CONSTRUCTION
STATE OF VERMONT - DEPARTMENT OF HIGHWAYS

CORRECT

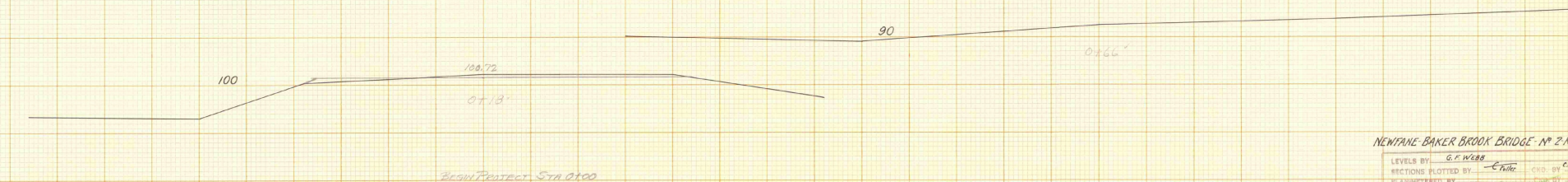
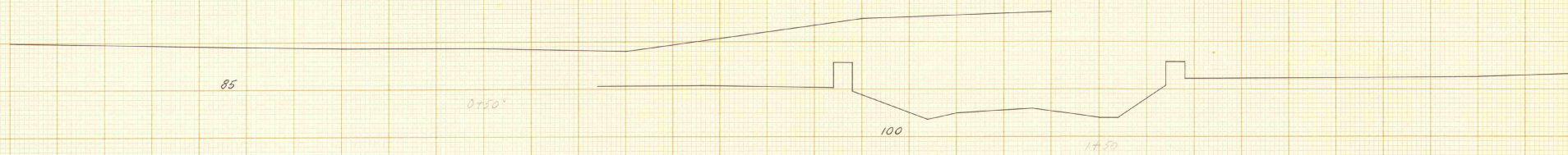
APPROVED

BRIDGE ENGINEER

COMMISSIONER OF HIGHWAYS

Designed by
Drawn by
Checked by
Date 12-20-38
No. SB 11
Sheet of 10

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



NEWTANE-BAKER BROOK BRIDGE - NO. 2-K

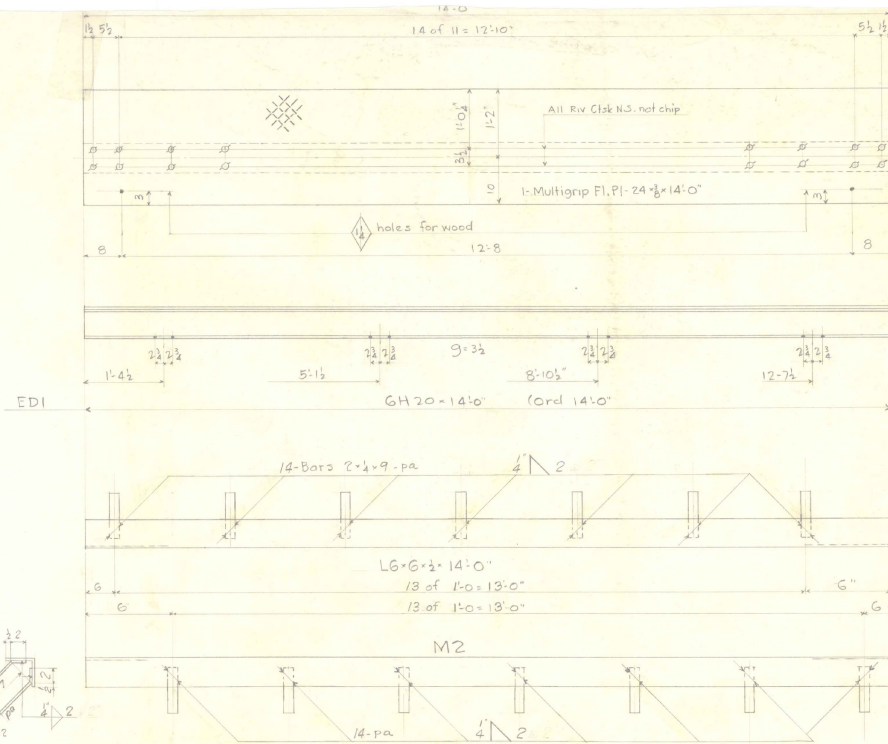
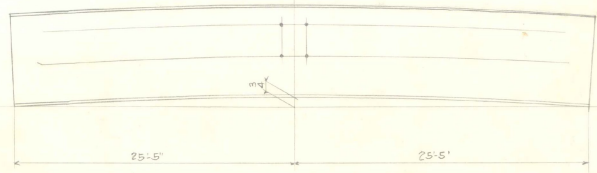
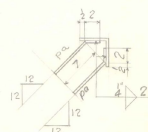
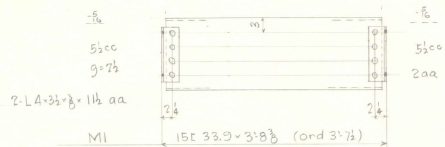
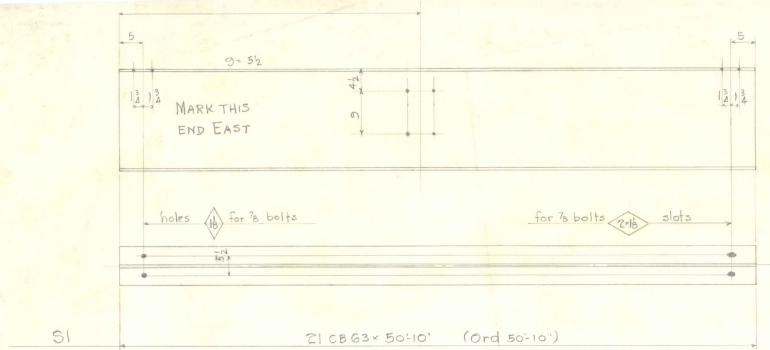
LEVELS BY G. F. WEBB
 SECTIONS PLOTTED BY C. F. WEBB
 PLANNED BY C. F. WEBB
 EXAMINED BY C. F. WEBB
 SERIES F-2-K, NO. 2-K, FILED
 SHEET 7 OF 7

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



NEWFANE BAKER BROOK BRIDGE H² 2-K

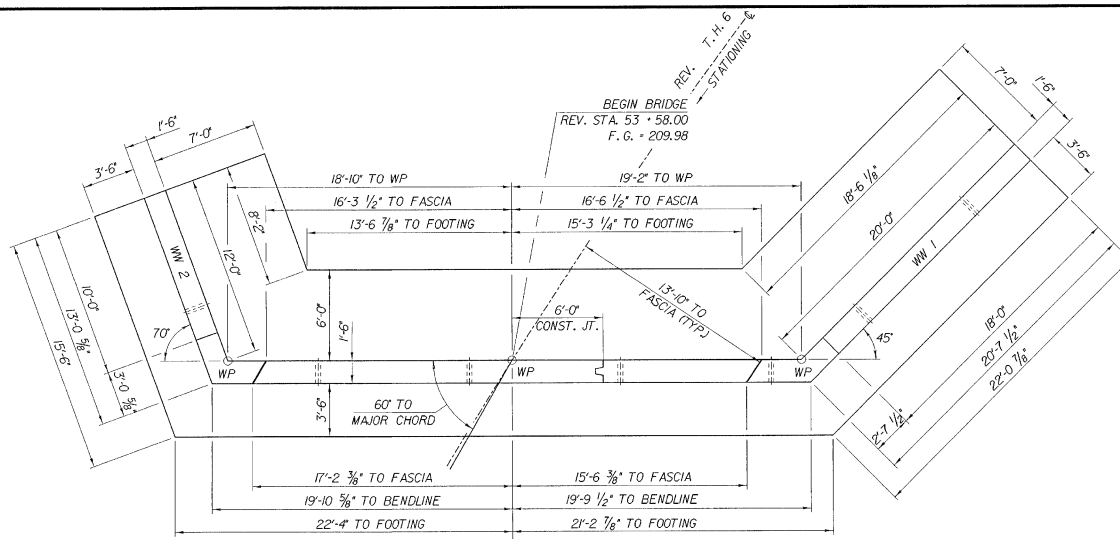
LEVELS BY PLOTTED BY	G. F. WEAVER	CHEK BY	C. J. B.
DESIGNED BY	E. J. TULLER	CHEK BY	
PRINTED BY		CHEK BY	
SERIES F	NO.	FILED	
SHEET	OF		



REQUIRED		
1	Stringers	S1
2	End Diags	ED1
3	Diaphragm	M1
2	ANGLES	M2

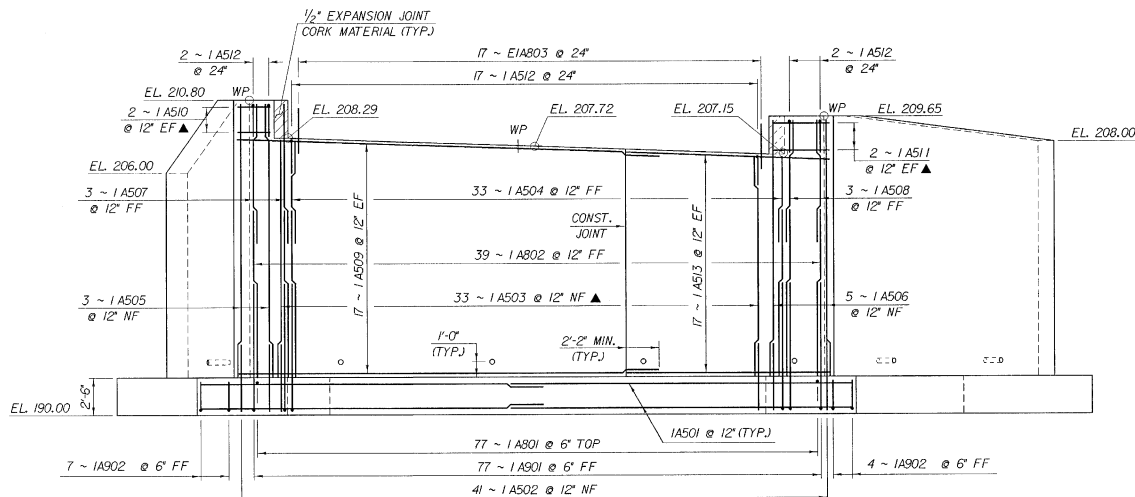
Notes
 Rivets 3/4"
 Holes 1 1/8" unless noted
 Paint Yes
 Surfaces riveted in contact in shop Yes
 Surfaces riveted in contact in field or in contact with concrete Yes
 All welds 1/4" Fillet

STATE OF VERMONT
 BAKER BROOK BRIDGE - 2K
 NEWFARE
 VERMONT
 STRINGERS DAMS DIAPHRAGMS ANGLES
 AMERICAN BRIDGE COMPANY
 DRAWINGS MADE AT Elmira PLANT
 WORK FABRICATED AT Ambridge PLANT
 IN CHARGE OF EBM
 DRAW MADE BY FJB DATE 7-17-39
 DRAW CHECKED BY TJC DATE 12-3-39
 ORDER No. H2870 SHEET No. 1



ABUTMENT NO. 1 PLAN

SCALE: 1/4" = 1'-0"



TYPICAL ABUTMENT SECTION

SCALE: 3/8" = 1'-0"

NOTE:

- NF = NEAR FACE
- FF = FAR FACE
- EF = EACH FACE
- ▲ = CUT TO FIT IN FIELD
- 3" CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town of	WILLISTON-SO. BURLINGTON	Bridge No.	15
Highway No.	T.H. 6	Log Sta.	
		Rev. Sta.	53+75.00
T.H. 6 OVER THE MUDDY BROOK			
ABUTMENT NO. 1 DETAILS			

INITIALS ☐ Hanger 2758
#122302-01
PHASE 2-INTERSTATE
Transportation
Vermont Agency of Done INITIALS

Bridge
1939

Newfane
ST. Fl. 2-K Baker Brk Br.

1939