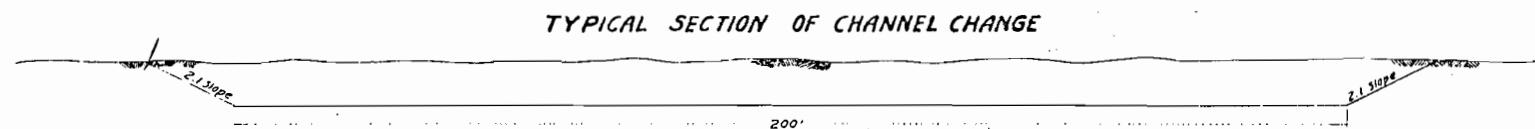


TYPICAL GROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

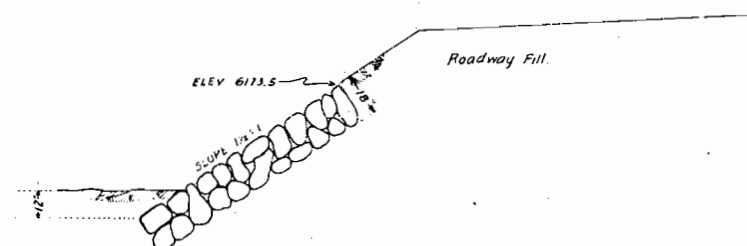
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLORADO	202-A	2	2

Rev. Dec. 10, 1926
 Drawn 11/10/25 by E.E.B.



Note: See Sheet No. 2A for Typical Roadway Section.

TYPICAL CROSS SECTION OF RIP RAP



General Notes

Excavation outside of ditch and "slope" shown by Standard Sections is to be classified and paid for as "Borrow Excavation".

Earthwork data on profile is to be considered approximate only.

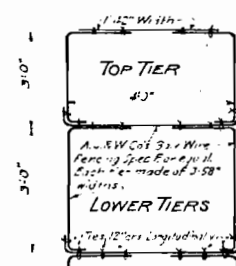
The entire project is to be checked for the full width of the right of way and to the full width of the channel change, this work to be included in the contract lump sum price for clearing and grubbing. The Department will not pay for clearing and grubbing outside of the channel change limits.

LIST OF STRUCTURES

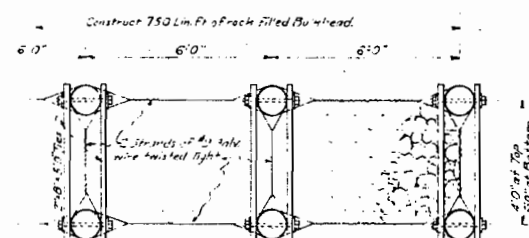
LOCATION	DESCRIPTION	CORR MET PIPE LIN. FT.	CONCRETE CUL. YDS.	REMOV. CUL. YDS.	EXC. FOR STRUC. COM. YDS.	ROCK RIP RAP SQ. YDS.
24+30	CROSS CULVERT EXTENSION	10		3.4	3	
27+00	CROSS CULVERT TWO SIDE CULVERTS WOOD CULVERT REMOVAL	40	30	3.4	17	
32+50	CROSS CULVERT EXTENSION	10		3.4	7	
35+87	"	14		3.4	6	
40+00	REMOVAL OF WOOD BOX CULVERT CROSS CULVERT TWO SIDE CULVERTS	40	30	3.4	5	
43+00	TWO SIDE CULVERTS	40		1.8	2	
43+65	REMOVAL OF WOOD BOX			1		
47+00	CROSS CULVERT TWO SIDE CULVERTS REMOVAL OF WOOD BOX	40	40	3.4	8	
49+00	REMOVAL OF 7 C.M.P. CULVERTS			1	7	
50+00	REMOVAL OF WOOD BRIDGE			1	1	
53+00	"			1	1	
53+26	REMOVAL OF 2 C.M.P. CULVERTS			2	2	
55+64	REMOVAL OF C.M.P. CULVERT			1	1	
58+36	REMOVAL OF WOOD BOX CULVERT " " C.M.P.			1	1	
59+12	REMOVAL OF TWO C.M.P. CULVERTS			2	2	
60+35	REMOVAL OF C.M.P. CULVERT			1	1	
62+30	REMOVAL OF TWO C.M.P. CULVERTS			2	2	
48+50 TO 50+30	ROCK RIP RAP					270
47+00 TO 63	CRIBBING					
TOTALS		160	134	27.6	23	54

SUMMARY

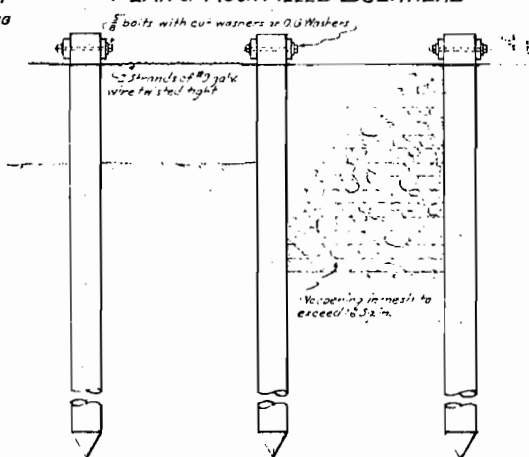
ITEM	UNIT	QUANTITY
COMMON EXCAVATION	CU YD.	12000
ROCK EXCAVATION	CU YD.	100
OVERHAUL	STA. YD.	212000
DRY COMMON STRUCT. EXCAVATION	CU YD.	400
WET	CU YD.	60
DRY ROCK	CU YD.	30
WET	CU YD.	70
CLASS "A" CONCRETE	CU YD.	302
CLASS "A" CONCRETE	CU YD.	28
REINFORCING STEEL	LB.	75500
STRUCTURAL STEEL	LB.	301500
15 CORRUGATED METAL CULVERT PIPE	LIN. FT.	160
24" "	LIN. FT.	134
TREATED TIMBER	M. BD. FT.	0.40
RIP RAP (18" THICK)	SQ. YD.	270
ROCK FILL BULKHEAD (6' HIGH)	LIN. FT.	162
ROCK FILL BULKHEAD (10' HIGH)	LIN. FT.	240
ROCK FILL BULKHEAD (14' HIGH)	LIN. FT.	270
REMOVING 23 STRUCTURES CRIBBING	LUMP SUM	
CLEARING AND GRUBBING	LUMP SUM	
DETOUR TO BE CONSTRUCTED BY STATE FORCES		



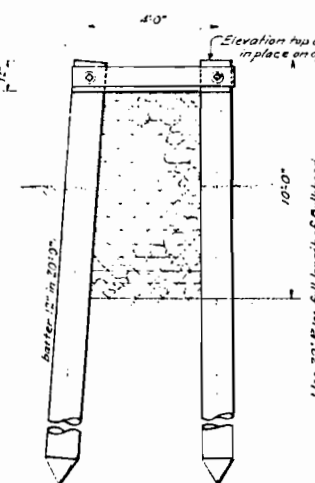
DETAIL OF WIRE BASKET
SHOWING METHOD OF LAPPING
SECTIONS.



PLAN OF ROCK FILLED BULKHEAD

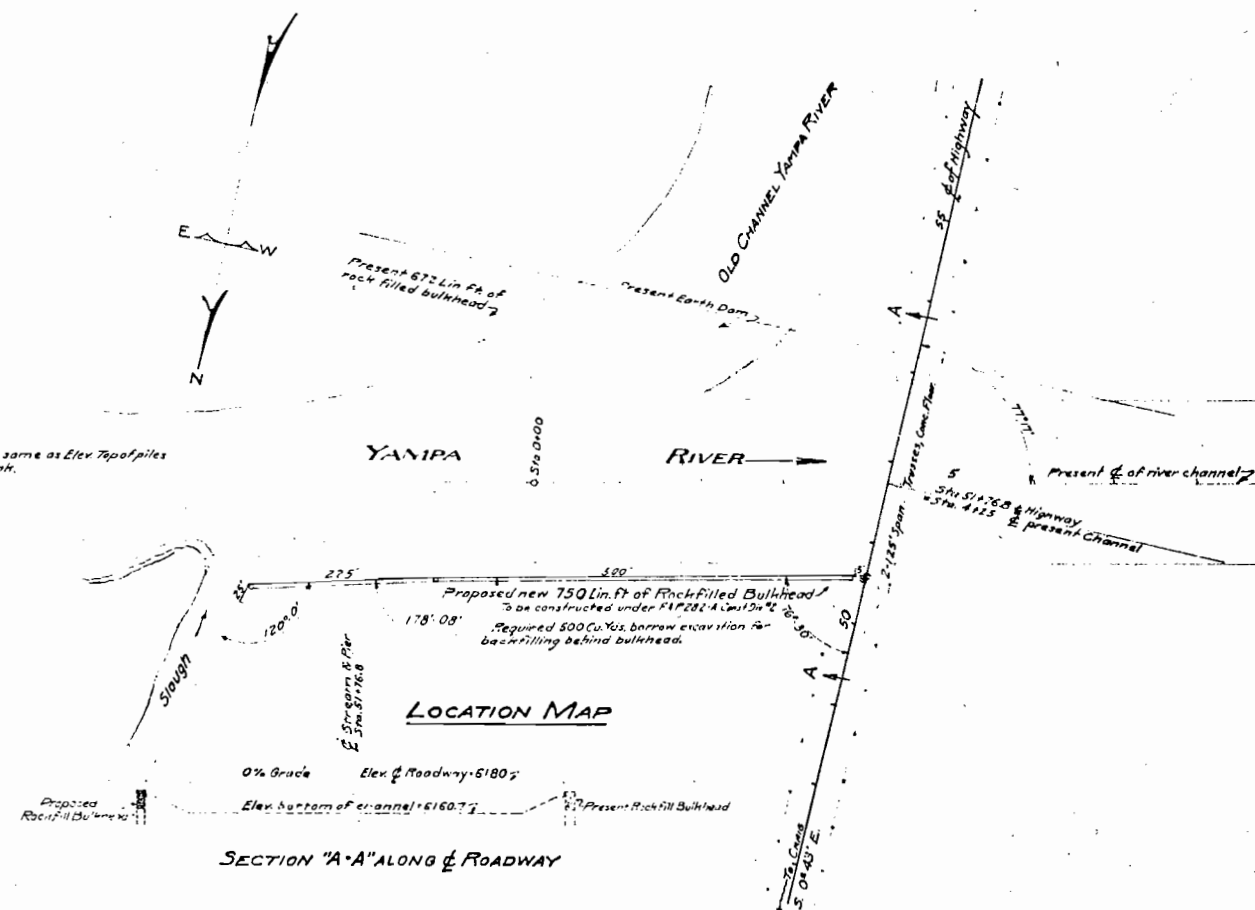


SIDE ELEVATION



END ELEVATION

ESTIMATED QUANTITIES		
Item No.	Description	Quantity
1	Rock Fill Bulkhead	750 Lin. Ft.
2a	Structural Excavation Dry Common	600 Cu. Yds.
2b	" " Wet Common	650 Cu. Yds.
3c	Borrow Excavation	500 Cu. Yds.



SECTION "A-A" ALONG OF ROADWAY

GENERAL NOTES

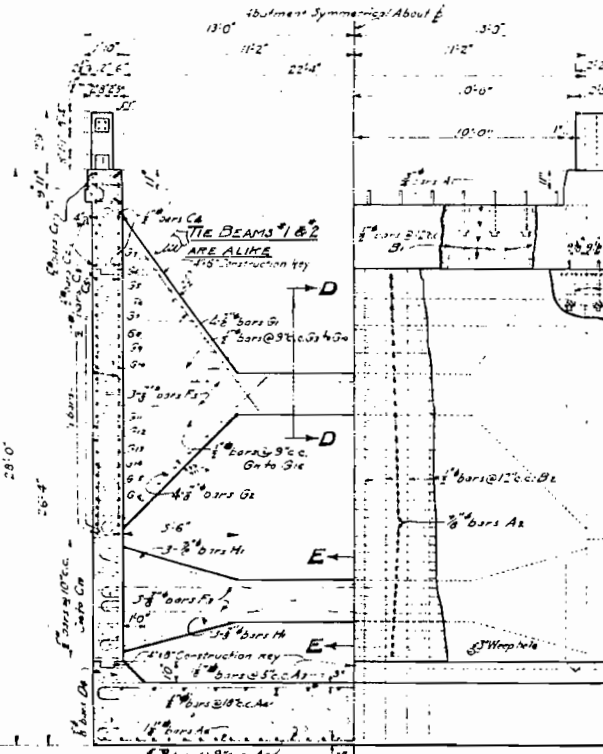
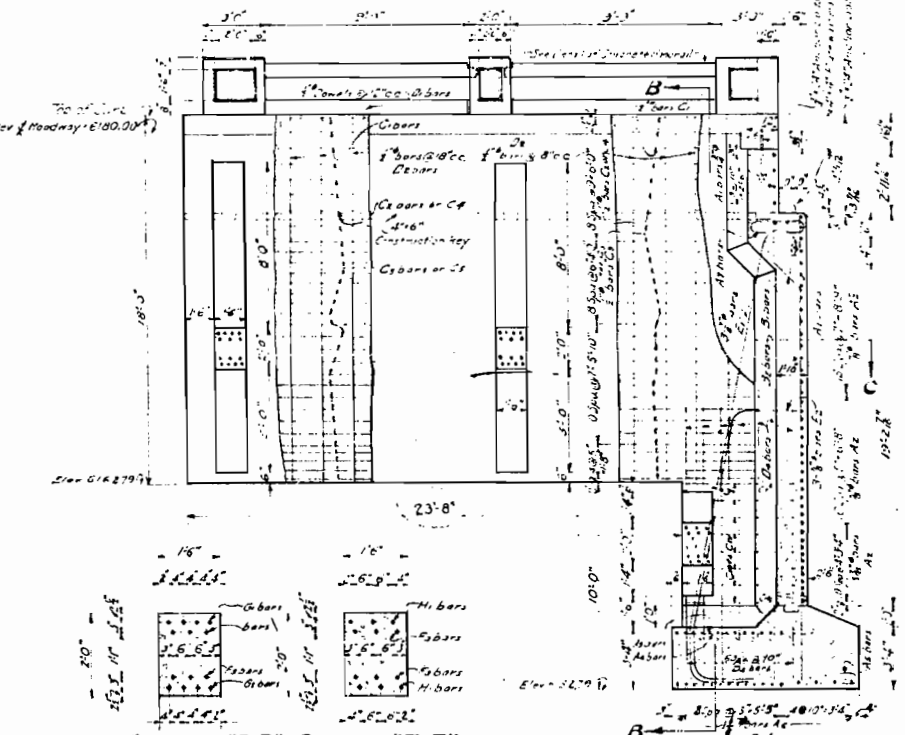
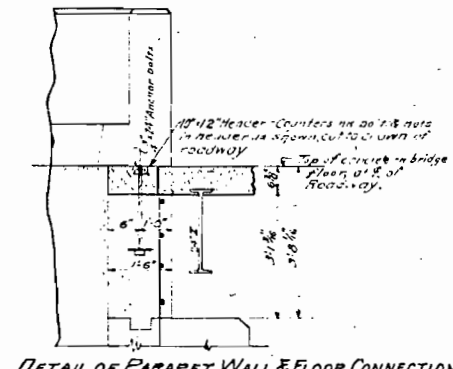
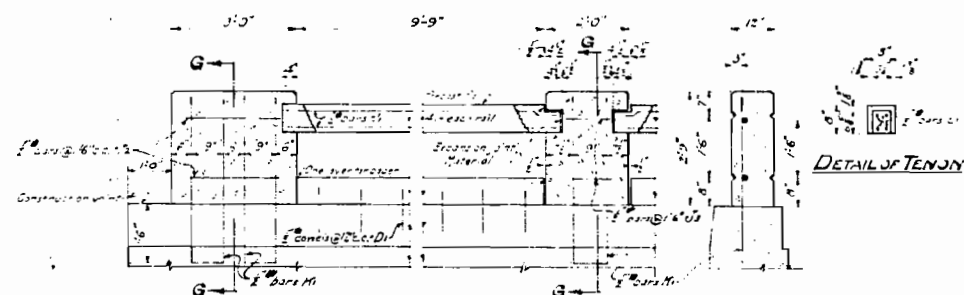
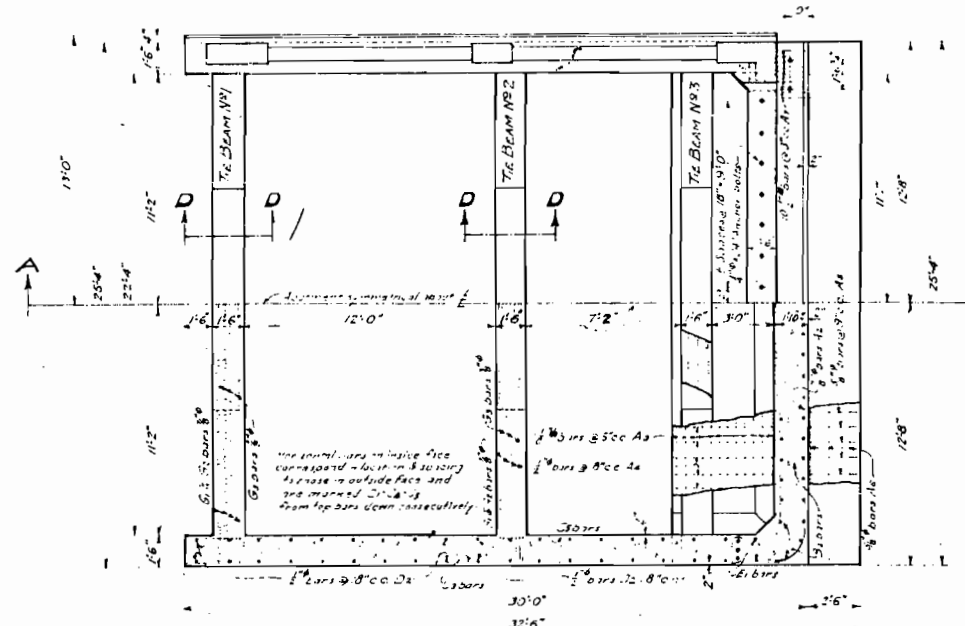
ALL WORK SHALL BE DONE ACCORDING TO THE STANDARD SPECIFICATIONS OF THE
ALL TIMBER & PILES TO BE TREATED AS SPECIFIED IN COLORADO PAMPHLET NO. 147 & 148

FOUNDINGS AND DEPTH OF FOOTINGS SHALL BE ACCORDING TO THE BEST AVAILABLE
DATA. IN ESSENTIALLY DIFFERENT CONDITIONS ARE ENCOUNTERED, THE ENGINEER WILL
INSPECT AND DETERMINE IF REDESIGN IS NECESSARY

COLORADO
STATE HIGHWAY DEPARTMENT
LOCATION MAP
DETAILS OF ROCK FILL BULKHEAD

ALONG YAMPA RIVER
Sta. 50+50
Near CRAIG Sed. 1 T. 1 N. R. 91 W.

Designed by E.P.C. Approved by J. G. Bailey
Made by E.P.C. Bridge Engineer
Checked by R. B. Date: March 16, 1928



BAR LIST FOR TWO ABUTMENTS			
MARK	SIZE	Nº REQD.	LENGTH
A1	1/2"	52	8'-0"
A2	1/2"	14	1'-0"
A3	1/2"	14	1'-0"
A4	1/2"	14	1'-0"
A5	1/2"	14	1'-0"
A6	1/2"	14	1'-0"
A7	1/2"	14	1'-0"
A8	1/2"	14	1'-0"
A9	1/2"	14	1'-0"
A10	1/2"	14	1'-0"
A11	1/2"	14	1'-0"
A12	1/2"	14	1'-0"
A13	1/2"	14	1'-0"
A14	1/2"	14	1'-0"
A15	1/2"	14	1'-0"
A16	1/2"	14	1'-0"
A17	1/2"	14	1'-0"
A18	1/2"	14	1'-0"
A19	1/2"	14	1'-0"
A20	1/2"	14	1'-0"
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A22	1/2"	14	1'-0"
A23	1/2"	14	1'-0"
A24	1/2"	14	1'-0"
A25	1/2"	14	1'-0"
A26	1/2"	14	1'-0"
A27	1/2"	14	1'-0"
A28	1/2"	14	1'-0"
A29	1/2"	14	1'-0"
A30	1/2"	14	1'-0"
A31	1/2"	14	1'-0"
A32	1/2"	14	1'-0"
A33	1/2"	14	1'-0"
A34	1/2"	14	1'-0"
A35	1/2"	14	1'-0"
A36	1/2"	14	1'-0"
A37	1/2"	14	1'-0"
A38	1/2"	14	1'-0"
A39	1/2"	14	1'-0"
A40	1/2"	14	1'-0"
A41	1/2"	14	1'-0"
A42	1/2"	14	1'-0"
A43	1/2"	14	1'-0"
A44	1/2"	14	1'-0"
A45	1/2"	14	1'-0"
A46	1/2"	14	1'-0"
A47	1/2"	14	1'-0"
A48	1/2"	14	1'-0"
A49	1/2"	14	1'-0"
A50	1/2"	14	1'-0"
A51	1/2"	14	1'-0"
A52	1/2"	14	1'-0"
A53	1/2"	14	1'-0"
A54	1/2"	14	1'-0"
A55	1/2"	14	1'-0"
A56	1/2"	14	1'-0"
A57	1/2"	14	1'-0"
A58	1/2"	14	1'-0"
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A62	1/2"	14	1'-0"
A63	1/2"	14	1'-0"
A64	1/2"	14	1'-0"
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A67	1/2"	14	1'-0"
A68	1/2"	14	1'-0"
A69	1/2"	14	1'-0"
A70	1/2"	14	1'-0"
A71	1/2"	14	1'-0"
A72	1/2"	14	1'-0"
A73	1/2"	14	1'-0"
A74	1/2"	14	1'-0"
A75	1/2"	14	1'-0"
A76	1/2"	14	1'-0"
A77	1/2"	14	1'-0"
A78	1/2"	14	1'-0"
A79	1/2"	14	1'-0"
A80	1/2"	14	1'-0"
A81	1/2"	14	1'-0"
A82	1/2"	14	1'-0"
A83	1/2"	14	1'-0"
A84	1/2"	14	1'-0"
A85	1/2"	14	1'-0"
A86	1/2"	14	1'-0"
A87	1/2"	14	1'-0"
A88	1/2"	14	1'-0"
A89	1/2"	14	1'-0"
A90	1/2"	14	1'-0"
A91	1/2"	14	1'-0"
A92	1/2"	14	1'-0"
A93	1/2"	14	1'-0"
A94	1/2"	14	1'-0"
A95	1/2"	14	1'-0"
A96	1/2"	14	1'-0"
A97	1/2"	14	1'-0"
A98	1/2"	14	1'-0"
A99	1/2"	14	1'-0"
A100	1/2"	14	1'-0"

SUMMARY OF QUANTITIES FOR TWO ABTS.			
1680 Cu. Ft. of concrete @ 4.303 lbs per cu. ft.			7229 Lbs.
1286 - - - - - @ 2.044 - - - - -			12849 - - -
248 - - - - - @ 1.501 - - - - -			373 - - -
627 - - - - - @ 1.943 - - - - -			1218 - - -
10600 - - - - - @ 0.850 - - - - -			9010 - - -
4341 - - - - - @ 0.668 - - - - -			2898 - - -
Plus 3% for over run			984 - - -
STRUCTURAL STEEL (Anchor bolts etc.)			140 Lbs.
Plus 3% for over run			5 - - -
CONCRETE Class "A"			306 Cu. Yds.
Dry Common			927 Cu. Yds.
EXCAVATION Wet			169.3 - - -
Dry Rock			84.8 - - -
TREATED TIMBER HEADER			400 Bd. Ft.
TOTAL			34400 Lbs.

For General Notes, Summary of Quantities for Bridge and Layout see Sheet 3
 For Detail of 125 ft. 20 ft. thru truss see Sheet 195

COLORADO
 STATE HIGHWAY DEPARTMENT
 ABUTMENT DETAILS FOR
 THRU TRUSS CONCRETE FLOOR BRIDGE
 2-125 FT. SPANS
 ACROSS YAMPA RIVER
 STATION 50+500
 NEAR CRAIG SEC. 17, T. 7, N. R. 91, W.
 Designed by EFW
 Made by EFW
 Checked by EFW
 Approved by P. E. Bailey
 Bridge Engineer
 Date 10-14-1925

PLAN	DATE
NO. 1	1926
NOTE BOOK	

PROFILE	DATE
NO. 1	1926
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	282-A	7	7

Revised Jan. 7, 1926 P.S.E.

