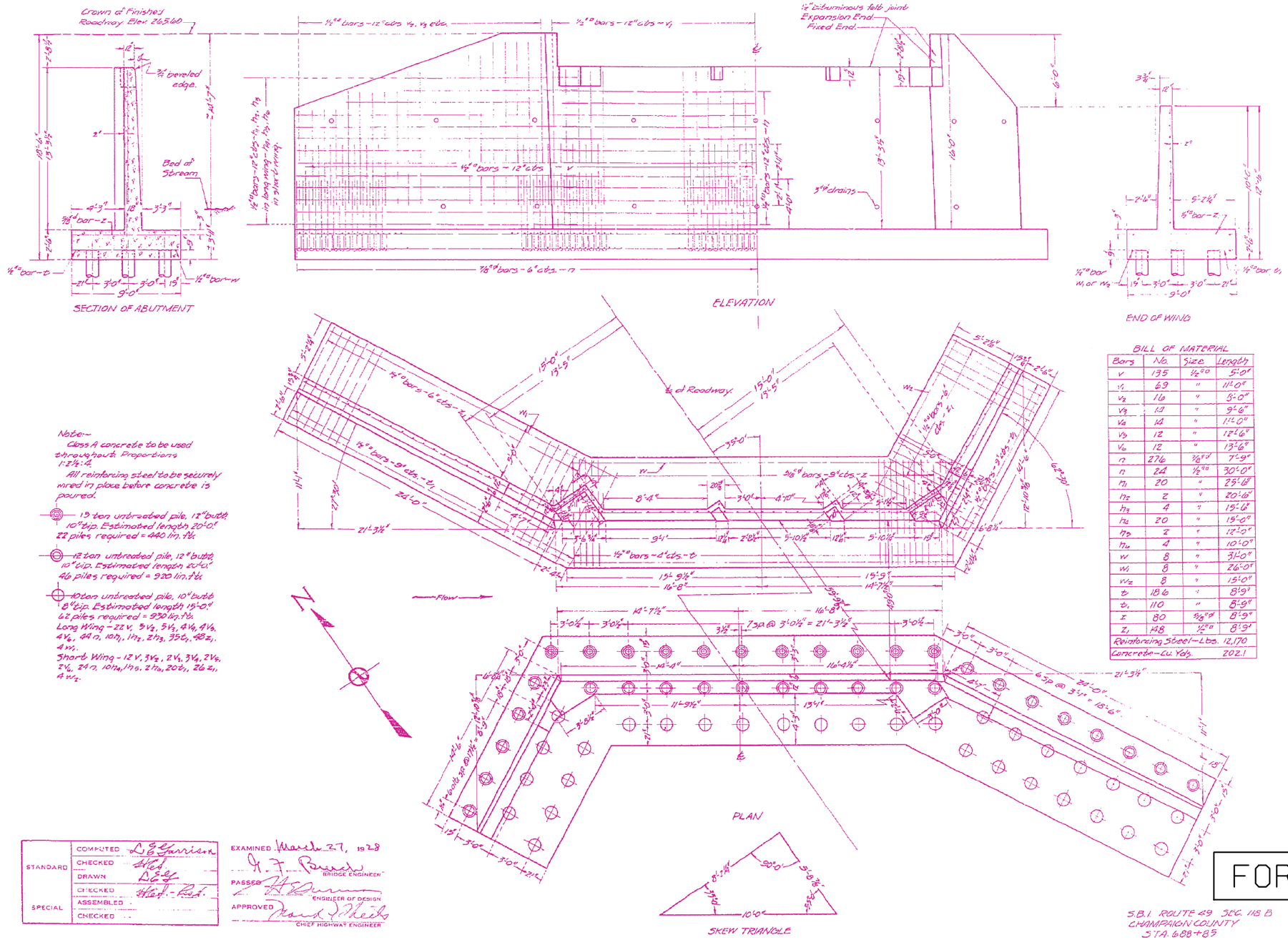
Existing Structure - Steel - Span 58'.
Roadway 14' to be removed by the Bridge Contractor.
B.M. - S.C.W. in T.P. Lt. Sta. 696+55
Elev. 261.33.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

BOND ISSUE ROUTE NO.	COUNTY	TOTAL SHEETS	SHEET NO.
49	Champaign Vermilion	12	40

SHEET NO. 2
2 SHEETS



Note:-
Class A concrete to be used throughout. Proportions 1:2¾:4.
All reinforcing steel to be securely wired in place before concrete is poured.

13 ton untreated pile, 12" butt, 10" tip. Estimated length 20'-0". 22 piles required = 440 lin. ft.

12 ton untreated pile, 12" butt, 10" tip. Estimated length 20'-0". 46 piles required = 920 lin. ft.

10 ton untreated pile, 10" butt, 8" tip. Estimated length 15'-0". 62 piles required = 930 lin. ft.

Long Wing - 22 V, 3 V_1, 3 V_2, 4 V_3, 4 V_4, 4 V_5, 44 n, 10 n_1, 1 n_2, 2 n_3, 35 t_1, 48 z_1, 4 w_1.
Short Wing - 12 V, 3 V_2, 2 V_3, 3 V_4, 2 V_5, 2 V_6, 24 n, 10 n_4, 1 n_5, 2 n_6, 20 t_1, 26 z_1, 4 w_2.

BILL OF MATERIAL

Bars	No.	Size	Length
V	135	1/2" ⌀	5'-0"
V_1	69	"	11'-0"
V_2	16	"	5'-0"
V_3	13	"	9'-6"
V_4	14	"	11'-0"
V_5	12	"	12'-6"
V_6	12	"	13'-6"
n	276	5/8" ⌀	7'-9"
n	24	1/2" ⌀	30'-0"
n_1	20	"	25'-8"
n_2	2	"	20'-6"
n_3	4	"	15'-6"
n_4	20	"	15'-0"
n_5	2	"	12'-0"
n_6	4	"	10'-0"
W	8	"	31'-0"
W_1	8	"	26'-0"
W_2	8	"	15'-0"
t	186	"	8'-9"
t_1	110	"	8'-9"
z	80	5/8" ⌀	8'-9"
z_1	48	1/2" ⌀	8'-9"
Reinforcing Steel - Lbs.			12,170
Concrete - Cu. Yds.			202.1

STANDARD	COMPUTED	L.E.G. Garrison
	CHECKED	H.E.F.
	DRAWN	L.E.G.
	CHECKED	H.E.F. - R.J.T.
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED March 27, 1928
N. F. Parrish
BRIDGE ENGINEER
PASSED H. E. Furman
ENGINEER OF DESIGN
APPROVED Frank T. Sheets
CHIEF HIGHWAY ENGINEER

FOR INFORMATION ONLY

S.B.I. ROUTE 49 SEC. 118 B
CHAMPAIGN COUNTY
STA. 688+85

FILE NAME = ...\roadway\lvr_xstr2.dgn	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
THE UPCHURCH GROUP, INC.	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = 8/20/2008 1:42:00 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SHT 2 OF 2
ILLINOIS ROUTE 49 OVER LITTLE VERMILION RIVER

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
836	118BR-2	CHAMPAIGN	45	34
		CONTRACT NO. 70600		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT