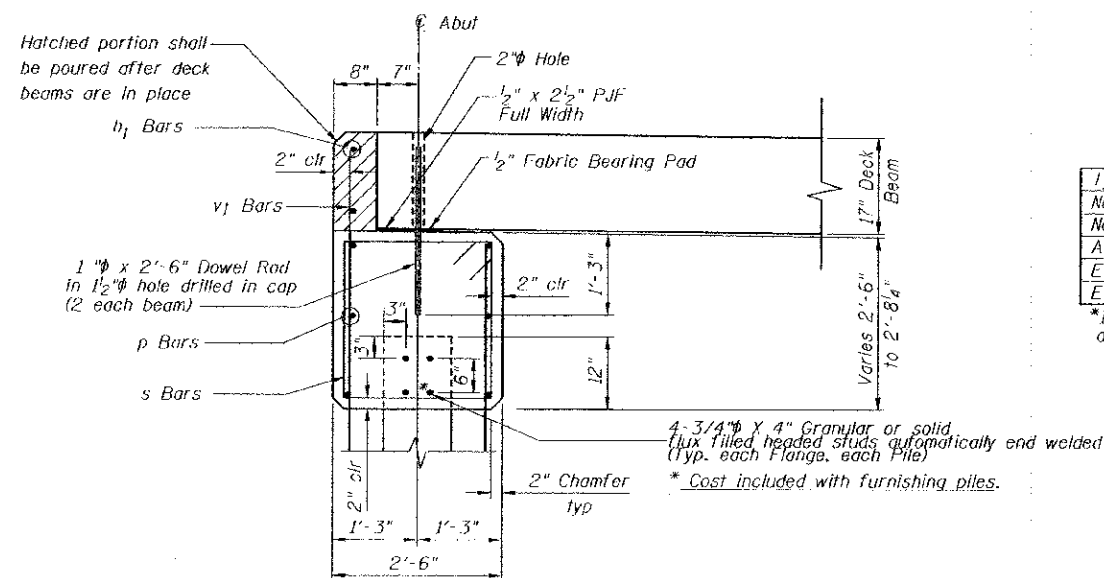
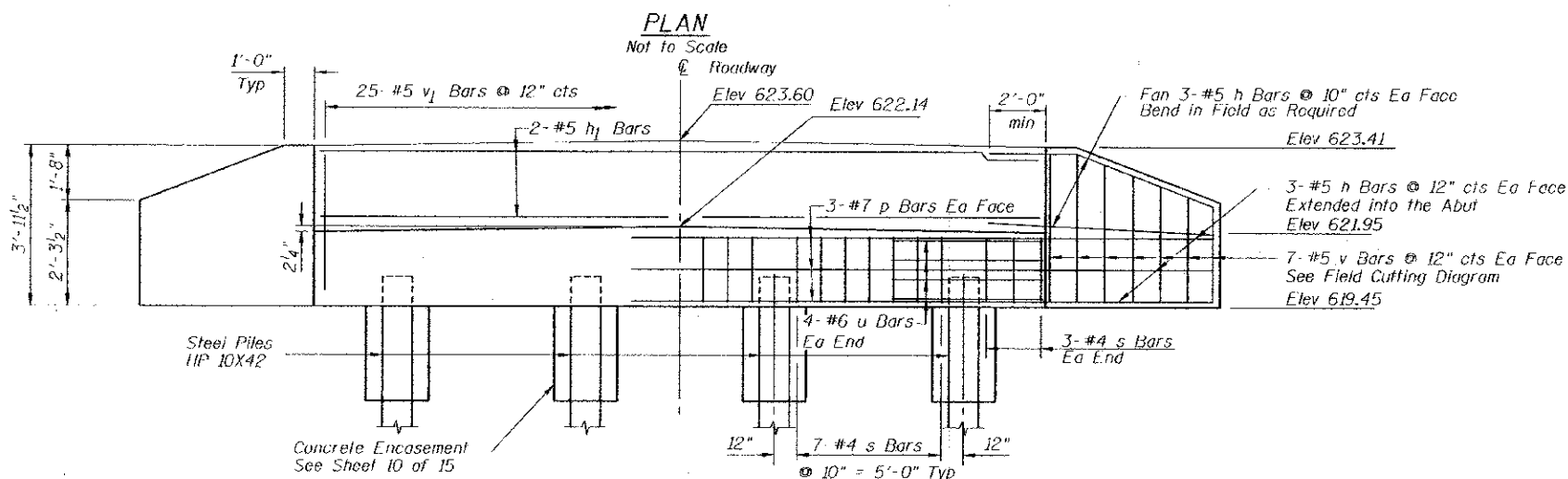
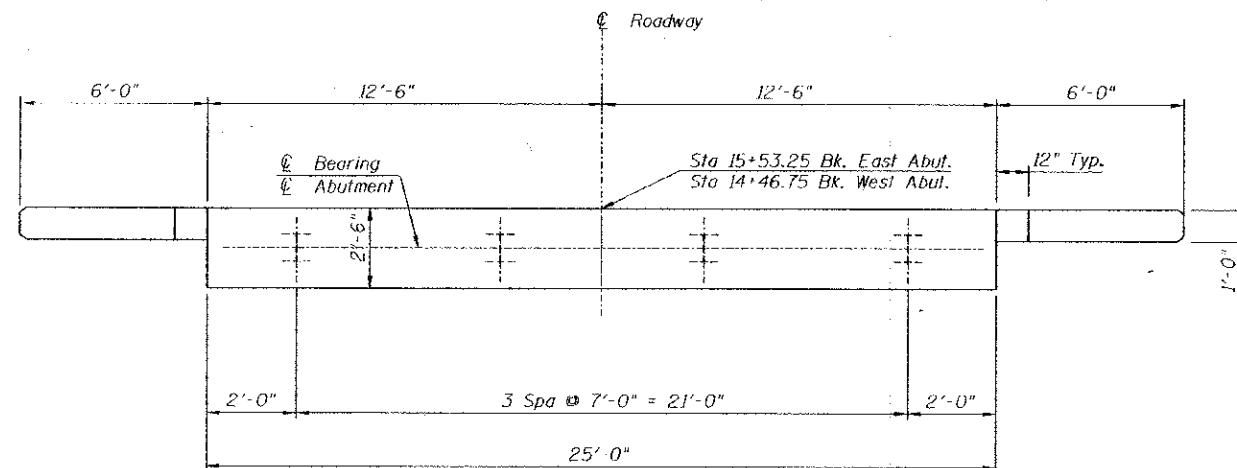




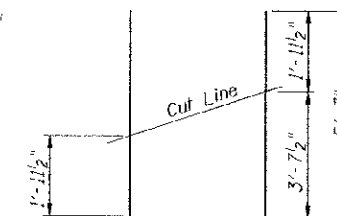
Notes:
After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys. All horizontal dimensions are at right angles to beam ends. Hatched area to be poured after beams are in place. See sheet 6 of 15 for bearing pad details.

PILE DATA

Type: Steel Pile HP 10X42
No. Required: 8*
Nominal Required Bearing: 300 kips
Allowable Resistance Available: 100 kips
Est. Length (E. Abut.): 23 Ft.
Est. Length (W. Abut.): 21 Ft.
*Includes one Test Pile at East Abutment and one Test Pile at West Abutment

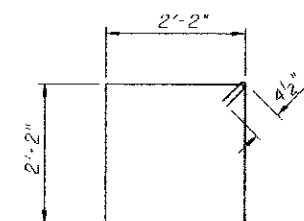
BILL OF MATERIAL

BOTH ABUTMENTS AND FOUR WINGS				
BAR	SIZE	NO. REQ'D.	LENGTH	SHAPE
h	#5	48	8'-4"	—
h_1	#5	4	24'-8"	—
p	#7	12	24'-8"	—
s	#4	54	9'-5"	□
u	#6	16	12'-1"	—
v	#5	28	5'-7"	—
v_1	#5	50	3'-6"	—
Structure Excavation			Cu. Yd.	58
Concrete Structures			Cu. Yd.	16.7
Reinforcement Bars			Pound	2100
Furnishing Steel Piles HP 10X42			Foot	132
Driving Piles			Foot	132
Test Pile Steel HP 10X42			Each	2
Concrete Encasement			Cu. Yd.	2.8

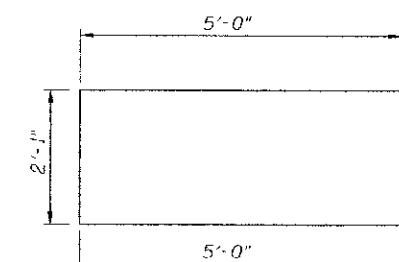


FIELD CUTTING DIAGRAM

Order v bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s



BAR u

ABUTMENT DETAILS

STRUCTURE NO. 087-3565

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR217	07-01125-00-BR	SHELBY	15	8
CONTRACT NO. 95655				

THE UPCHURCH GROUP, INC.

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