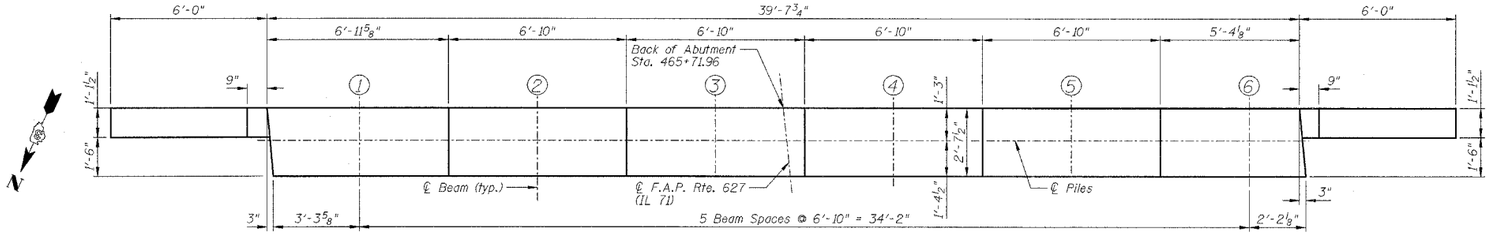
CONTRACT NO. 66372

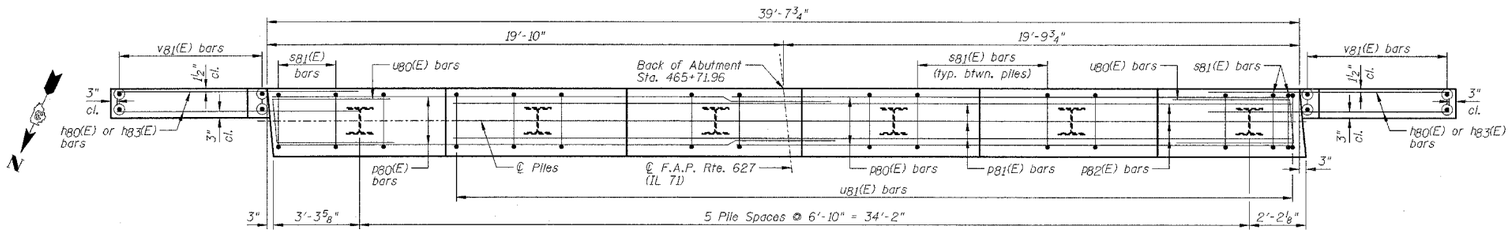
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	78
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. H18

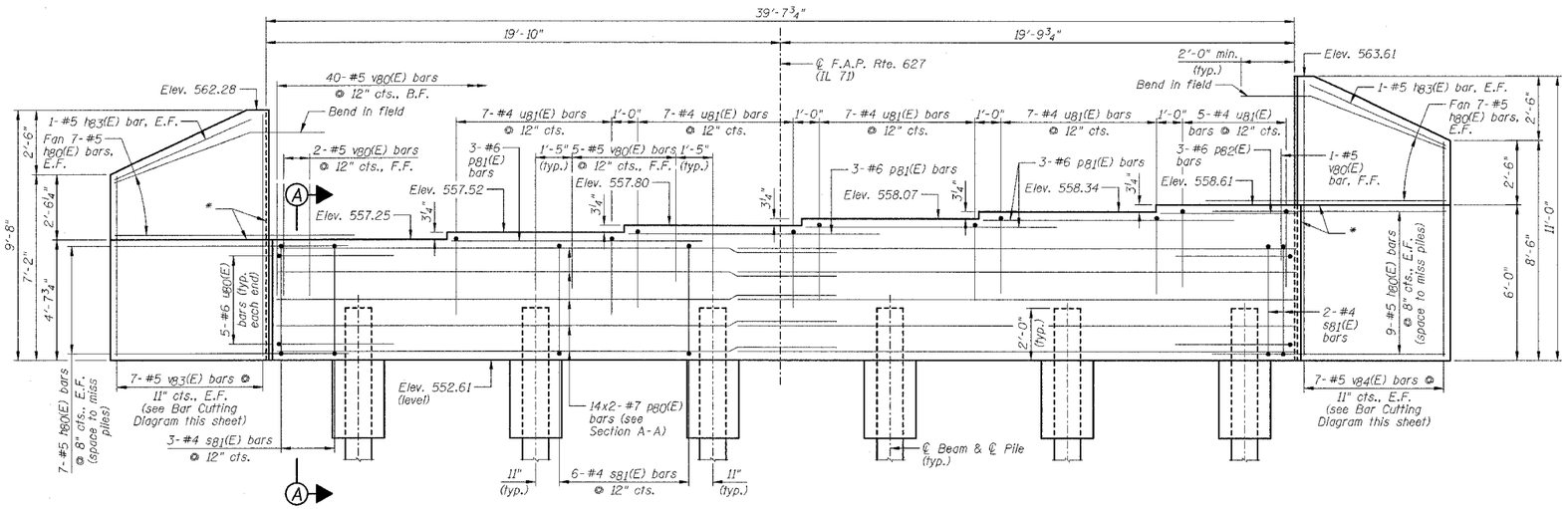
OF 26 SHEETS



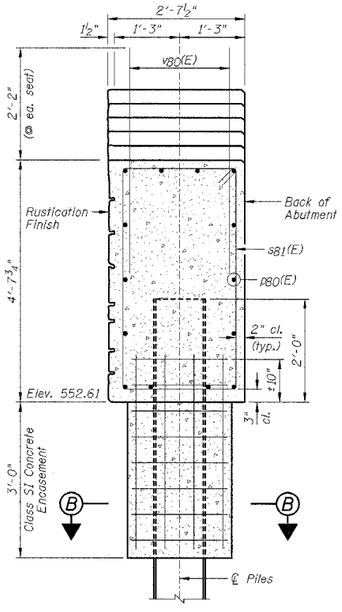
TOP VIEW ABUTMENT (SHOWING BEARING SEAT)



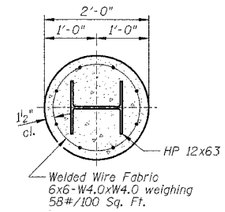
PLAN - PILE CAP



ELEVATION - LOOKING SOUTH



SECTION A-A



SECTION B-B

Note: The cost of Excavation, Class SI Concrete Encasement and reinforcement is included with furnishing piles. Form for encasement may be omitted when soil conditions will permit.

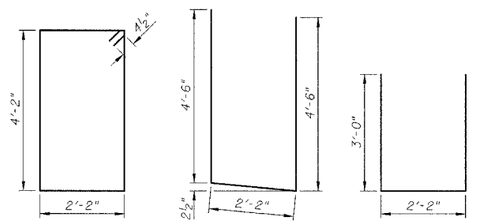
BILL OF MATERIALS- SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
h80(E)	60	#5	9'-0"	——
h83(E)	4	#5	5'-9"	——
p80(E)	28	#7	21'-5"	——
p81(E)	12	#6	9'-8"	——
p82(E)	3	#6	4'-10"	——
s81(E)	35	#4	13'-5"	□
u80(E)	10	#6	11'-2"	⊔
u81(E)	33	#4	8'-2"	⊔
v80(E)	68	#5	4'-4"	——
v83(E)	7	#5	16'-0"	—— ——
v84(E)	7	#5	18'-8"	—— ——

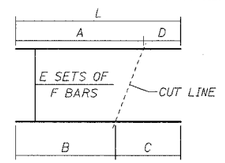
Item	Unit	Quantity
Porous Granular Embankment (Special)	Cu. Yd.	92
Structure Excavation	Cu. Yd.	1380
Concrete Structures	Cu. Yd.	25.0
Reinforcement Bars, Epoxy Coated	Pound	3230
Furnishing Steel Piles HP 12x63	Foot	75
Driving Steel Piles	Foot	75
Test Pile Steel HP 12x63	Each	1
Geocomposite Wall Drain	Sq. Yd.	46
Pipe Underdrains for Structures, 4"	Foot	56

PILE DATA:

Type	HP 12x63 Steel
No. Req'd.	5+1 Test Pile
Est. Length	15 Feet
Capacity	Drive to Refusal



BAR CUTTING DIAGRAM



BAR	A	B	C	D	E	F	L
v83(E)	9'-3"	6'-9"	9'-3"	6'-9"	1	7	16'-0"
v84(E)	10'-7"	8'-1"	10'-7"	8'-1"	1	7	18'-8"

NOTES:

1.) Reinforcement bars designated (E) shall be epoxy coated.
2.) Pour steps monolithically with cap.
3.) B.F. denotes Back Face
F.F. denotes Front Face
E.F. denotes Each Face
4.) See Sheet H19 for "Rustication Finish" locations.
5.) *Optional bonded construction joint.
6.) Minimum lap length: #6 bar = 2'-10"
#7 bar = 3'-10"

DESIGNED BY J.M.L.	Farnsworth GROUP 2709 McGraw Drive Bloomington, Illinois 61704 309/663-8435 309/663-1571fax	FILE NO. 24-6772	
DRAWN BY D.J.M.		DATE 05-12-06	
CHECKED BY M.S.W.		SHEET NO. 78 of 106	

SOUTH ABUTMENT AND PILE DETAILS

IL ROUTE 71

OVER TRIBUTARY TO ILLINOIS RIVER

F.A.P. ROUTE 627 - SEC. (I-1) BR & I

LA SALLE COUNTY

STATION 465+35.39

STRUCTURE NO. 050-0239