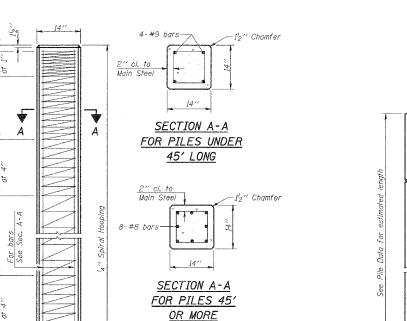
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	02-00208-01-BR	LIVINGSTON	24	12
STA.	. 171+70	TO STA. 174+7	0	
FED. RO	DAD DIST. NO. 7	ILLINOIS FED.	AID PROJ	ECT*
CONTRA	CT NO. 87283		CUEET N	. 07

SHEET NO. 87

OF 16 SHEETS

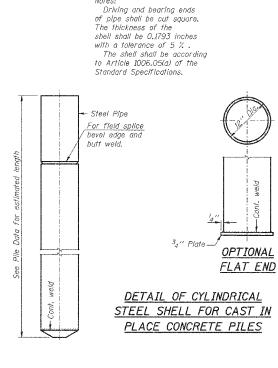


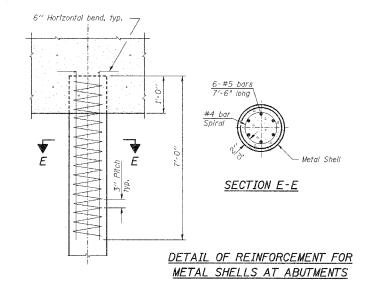
Handling: For Pile lengths up to 45' use two slings placed at a distance of 0.21L from each end.

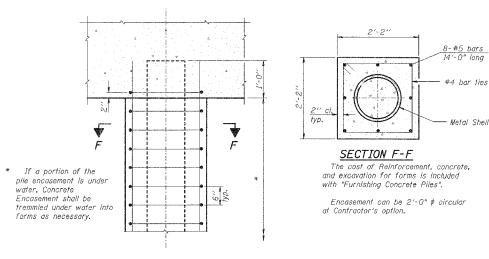
For Piles longer than 45', use three slings placed at a distance of 0.12L from each end and at mid point of pile.

DETAIL OF PRECAST

CONCRETE PILES







## DETAIL OF PROTECTION FOR METAL SHELLS AT PIERS

## BILL OF MATERIAL

Item	Unit	Quantity
Test Pile Concrete	Each	2
Furnishing & Driving Concrete Piles	Foot	1340

PILE DATA (ABUTMENT)

No. Req'd: Est. Length:

9+1 Test Pile 32' 14" Square 45' 12" ¢ Metal Shell 270 Kips Nominal Required Bearing: 270 Klps Allowable Resistance Available: 90 Klps

## PILE DATA (PIERS)

No. Req'd: 17+1 Test Pile
Est. Length: 40' 14" Square
S5' 12" \$\phi\$ Metal Shell
Nominal Required Bearing: 270 Kips
Allowable Resistance Available: 90 Kips

SECTION 02-00208-01-BR LIVINGSTON COUNTY F.A.S. 342/C.H. 3

CONCRETE PILE DETAILS

DAMM
DATE
12/01/06
CHECKED BY
MSW

Farnsworth
GROUP
2706 Nother Drive
Blooming ten, Billands 51704
306/465-9635, 306/263-1571 tax

24-7131 BOOK NO. 2606 SHEET NO. 12 OF 24