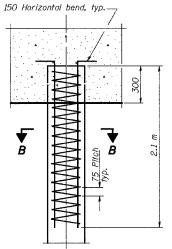
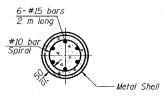
## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





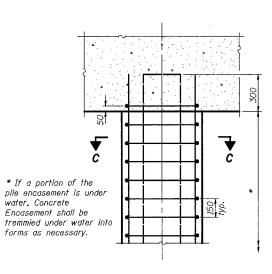
SHEET NO. 31 37 SHEETS

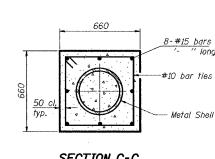




SECTION B-B

## DETAIL OF REINFORCEMENT FOR METAL SHELLS AT ABUTMENTS





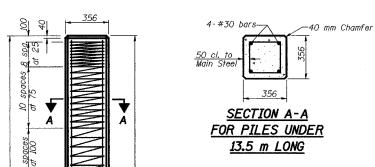
<u>SECTION C-C</u>

The cost of Reinforcement, concrete, and excavation for forms is included with Concrete Encasement.

## DETAIL OF PROTECTION FOR METAL SHELLS AT PIERS

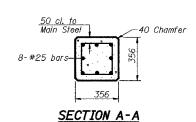
## CONCRETE PILE DETAILS

PILE DETAILS				
Date Revisions	Designed	EV	ELGIN, JOLIET & EASTERN RWY. CO. BRIDGE	Sheet No.
TOVISIONS	Drawn	EV	OVER ILLINOIS ROUTE 22 F.A.P. ROUTE 337 SECTION (19R-1)	71
	Checked	NPP	LAKE COUNTY	31
	Approved	NPP	STATION 32+611.151 STRUCTURE NO. 049-0188	of 37



max For See

25



OR MORE

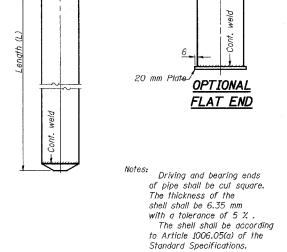
For Pile lengths up to 13.5 m se two slings placed at a listance of 0.21L from each end.

FOR PILES 13.5 m

Handling: For Pile lengths up to 13.5 m use two slings placed at a distance of 0.21L from each end. For Piles longer than 13.5 m, 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 CYLINDRICAL
STEEL SHELL FOR CAST IN
PLACE CONCRETE PILES