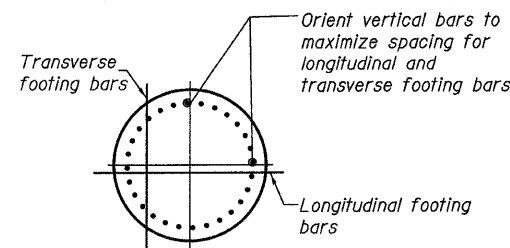


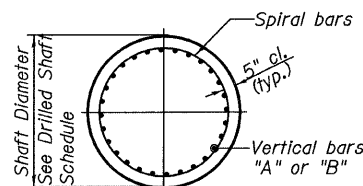
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT SCHEDULE

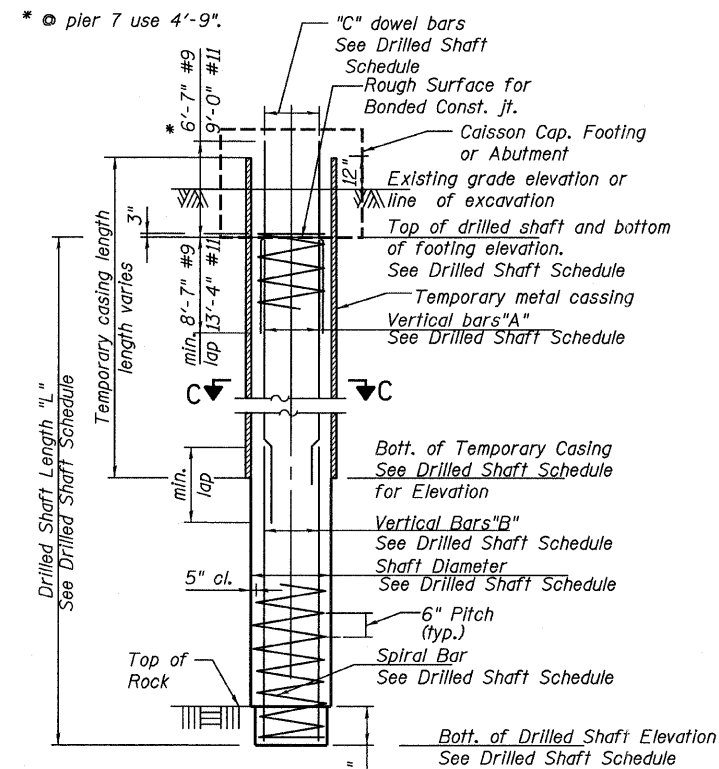
Pier	Size		Reinforcement				Top of Shaft Elevation	Bottom of Shaft Elevation	Allowable Bearing Pressure (tsf)	
	Shaft Diameter	Shaft Length "L"	Vertical Bars "A"	Vertical Bars "B"	Dowel Bars "C"	Spiral Bars			Exlst	New
7	4'-0"	73'-0"	14- #9 v 601(E)	14- #9 v 601(E)	14- #9 n 601(E)	#5 sp 601(E)	589.50	516.50	20.0	15.6
8	5'-0"	75'-6"	16- #9 v 612(E)	16- #9 v 612(E)	16- #9 n 611(E)	#5 sp 611(E)	595.00	519.50	20.0	17.9
9	4'-9"	75'-6"	19- #11 v 623(E)	19- #11 v 623(E)	19- #11 n 620(E)	#5 sp 621(E)	595.00	519.50	20.0	17.6
10	6'-6"	72'-0"	31- #11 v 632(E)	31- #11 v 632(E)	31- #11 n 630(E)	#5 sp 631(E)	592.00	520.00	20.0	16.8
11	5'-6"	42'-6"	22- #9 v 643(E)	--	22- #11 n 641(E)	#5 sp 640(E)	562.00	519.50	20.0	15.8



**TOP PLAN**  
Showing orientation of vertical bars



**SECTION C-C**



**CAISSON SECTION**

**NOTES:**

1. Drilled shafts shall be installed according to article 516 of the Standard Specifications.
2. Elevations, shaft lengths, and reinforcement lengths shown are estimates and should be verified and adjusted in the field as directed by the engineer.
3. In constructing the drilled shafts, the Contractor may encounter pavements, fill, foundations, abandoned utilities, boulders, and other obstructions. No separate payment will be made for removal for any such obstructions, and the cost for removing such obstructions shall be included in the contract unit price for caisson shafts.
4. Adjacent new caissons may be constructed simultaneously provided that they are not closer than 16.5 feet on centers. At least 36 hours shall have elapsed after the completion of a caisson before excavation for adjacent caissons closer than 16.5 feet on center is started.
5. Temporary casing specified to mitigate soil and ground water contamination, and to ensure that adjacent existing caissons and/or piles are not undermined during excavation for new caissons. The Contractor shall submit, for the Engineer's approval, his/her proposed methods, equipment and procedures for the installation and removal of the temporary casing so as not to undermine or damage the existing caissons and piles. The extraction of the casing shall be performed so as not to disturb the caisson reinforcing cage or impair the structural integrity of the constructed caisson.
6. If field conditions dictate a shorter shaft length than shown, the Contractor shall cut the reinforcement bars to the required length. If the shaft length is longer than indicated, the Contractor shall extend the reinforcement by providing additional reinforcement of equal size and lapping with the minimum lap length shown.
9. The caisson shaft and reinforcement shall be adjusted as required by the Engineer. These additional quantities required by the Engineer and furnished by the Contractor will be paid for at the unit price bid for the work.
10. At all locations where reinforcements bar laps are not in direct contact, the Contractor shall provide sufficient spacing between the vertical bars, equal to the size of the largest concrete aggregate plus 1/2".
11. For location of drilled shafts See sheets 55 thru 64.
12. For Bill of Material see sheets 2.

**DRILLED SHAFTS  
STRUCTURE NO. 016-3240**

<b>TYLIN INTERNATIONAL</b>	DESIGNED - DY, LS	REVISIONS		SHEET NO. 65	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.										
	CHECKED - AMD, LS	NAME	DATE							73 SHEETS	55	0711.2R & 1011.1BR	COOK	741	668				
	DRAWN - DY, LS															CONTRACT NO. 60999			
	CHECKED - AMD, LS															FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
DATE - 03/25/2011																			