

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-3HBR-1	GRUNDY	88	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET NO. B35  
OF 35 SHEETS

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

**ALTERNATE B  
DETAIL OF SPIRALLY WELDED STEEL SHELL  
FOR CAST IN PLACE CONCRETE PILES**

**ALTERNATE B  
DETAIL OF METAL SHELL  
FOR CAST IN PLACE CONCRETE PILES**

**ALTERNATE A  
DETAIL OF PRECAST CONCRETE PILES**

**BOREHOLE DATA**

BOREHOLE #	LOCATION	SOIL DESCRIPTION
BOREHOLE #1	Located at Sta. 1116, 12' E L.E.	Dark silty clay, Dense brown silty sand and gravel, Dense gray sandy silt, Hard gray silty clay fill, Hard gray sandy clay fill, Very dense gray sandy fill, Hard gray clay fill.
BOREHOLE #2	Located at Sta. 1076, 12' E L.E.	Dark brown silty sandy clay, Very dense brown sandy fill, Hard gray clay fill, Very dense gray subangular coarse sand and subangular gravel, Hard gray silty clay fill.
BOREHOLE #3	Located at Station, 6' E L.E.	Very stiff and fine clay fill, Hard gray clay fill, Dense gray sandy silt, Very stiff gray sandy clay fill, Hard gray pebbly clay fill, Dense gray very sandy silt, Hard gray clay fill.
BOREHOLE #4	Located at Sta. 378, 12' E L.E.	Stiff black silty clay, Very stiff and fine silty clay, Very dense brown poorly sorted subangular gravel, Very dense gray pebbly silt, Hard gray very gravelly silt, Very dense gray pebbly silt.
BOREHOLE #5	Located at Sta. 612, 10' E L.E.	Stiff black silty clay, Stiff brown silty clay, Dense gray silt, Very dense gray pebbly silt, Hard gray pebbly clay fill, Very dense gray pebbly silt.

Note: N = Blows per foot of penetration of standard cone penetrometer (100 lbs. C.P.G. = 12 inches.  $Q_u$  = Unconfined compressive strength in tons per square foot.)

**FILE DETAILS & BOREHOLE DATA  
BRIDGE OVER F.A.I. RT. 6  
F.A.I. RT. 6 SEC. 32-113-1  
GRUNDY COUNTY  
STA. 1266 + 04.53 (F.A.I. 6)**

**FOR INFORMATIONAL  
USE ONLY**

DESIGNED: T. Tomlin	EXAMINED: Nov. 14, 1957
CHECKED: R. J. DeLoach	APPROVED: R. B. Bartholomew
DRAWN: W. J. Sauerborn	
CHECKED: R. J. DeLoach	