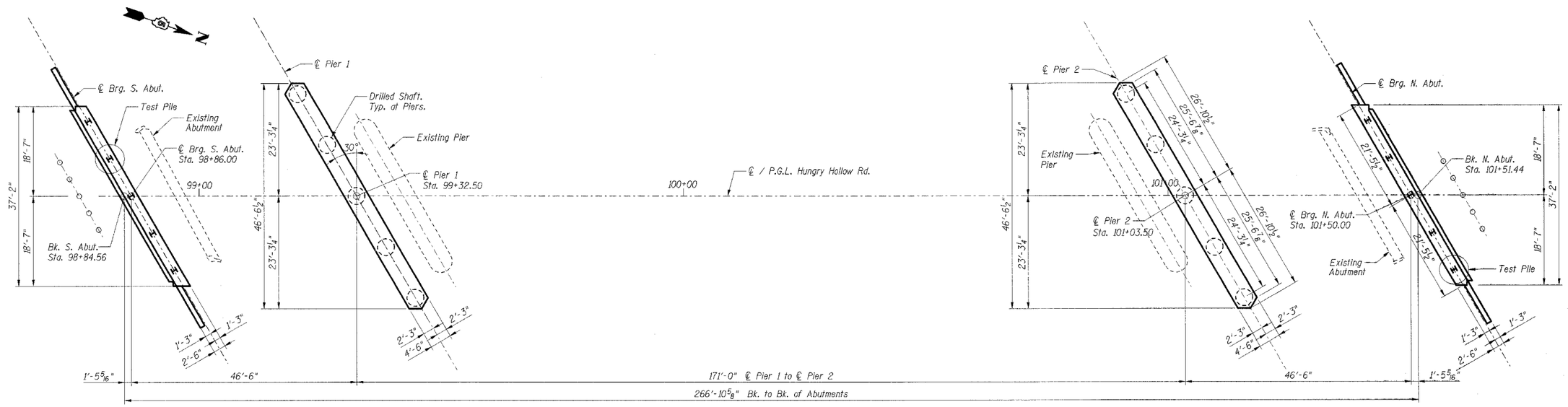
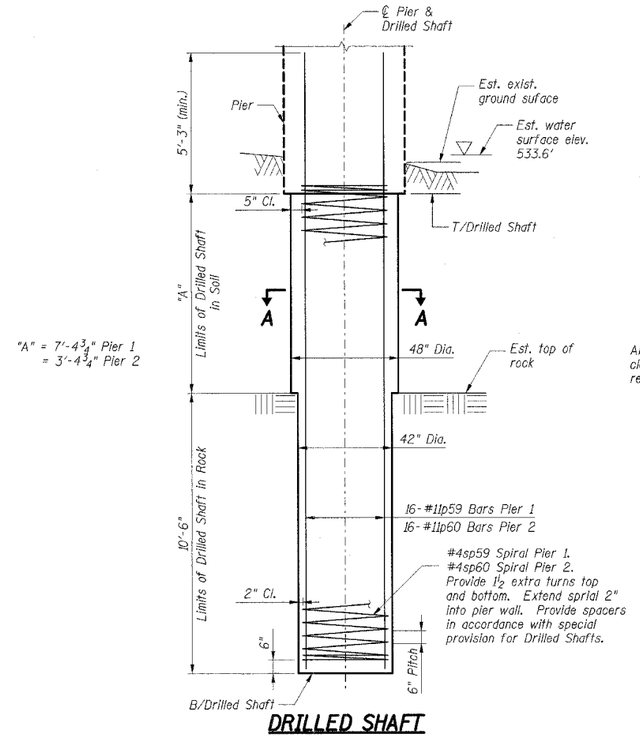
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7000	02-00212-00-BR	VERMILION	59	21
FROM STA. 96+00.00		TO STA. 103+10.10		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 91285



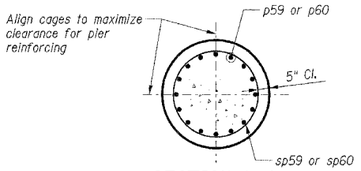
PLAN
SUBSTRUCTURE LAYOUT



DRILLED SHAFT

TABLE OF ELEVATIONS

	Pier 1	Pier 2
T/Shaft	532.50	529.50
Est. Exist. Ground	532.60	531.60
Est. T/Rock	525.10	526.10



SECTION A-A

BAR LIST

	Bar	No.	Size	Length	Shape
	p59	80	#11	23'-0"	——
	p60	80	#11	19'-0"	——
**	sp59	5	#4	17'-7"	
**	sp60	5	#4	13'-7"	

** Length is height of spiral.

Notes:

1. Drilled shaft quantities are based on the top of shaft and the estimated top of rock elevations shown, and may change based on the actual top of rock encountered at each shaft and the final top of shaft elevation. See special provision for Drilled Shafts regarding changes to reinforcement.
2. Min. lap for spirals is 1½ turns. Weight of reinforcement bars given in Bill of Materials includes 2 spiral laps per drilled shaft.
3. Soil and groundwater conditions may necessitate the use of wet or cased construction techniques. See boring logs and special provision for Drilled Shafts.
4. Concrete strength for drilled shafts shall be in accordance with special provision for Drilled Shafts.
5. For pile layout at abutments, see Shts. S-32 and S-33.

BILL OF MATERIALS

Item	Unit	Total
Drilled Shaft in Soil 48"	Ft	54
Drilled Shaft in Rock 42"	Ft	105
Reinforcement Bars	Lbs	20,320
Furnishing Steel Piles HP12x53	Ft	192
Driving Steel Piles	Ft	192
Test Pile Steel HP12x53	Each	2
Metal Shoes	Each	8

SHT. S-06 OF 40

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
HUNGRY HOLLOW ROAD BRIDGE

SUBSTRUCTURE LAYOUT & DRILLED SHAFT DETAILS

SCALE:
DRAWN BY TCU
DATE 12/06/05
CHECKED BY JRH

TENG

TENG & ASSOCIATES, INC
ENGINEERS&ARCHITECTS&PLANNERS
205 N. MICHIGAN AVE, CHICAGO, IL 60601
TELEPHONE: 815/416-0000