



BILL OF MATERIAL - E. ABUT.

Bar No.	Size	Length	Shape
h	#5	33'-5"	—
h ₁	#5	2'-11"	L
h ₂	#5	4'-1"	L
d	#9	33'-8"	—
s	#5	12'-5"	□
sd ₁	#5	42'-10"	~
u	#5	7'-7"	□
u ₁	#5	6'-4"	□
v ₁	#5	3'-9"	—
v ₂	#5	6'-0"	—
v ₃	#9	44'-4"	—
** Concrete Structures			Cu. Yd. 22.7
Furnishing & Erecting Structural Steel			Pound 2,670
Reinforcement Bars			Pound 11,090
*** Permanent Casing			Foot 60
Drilled Shaft in Soil			Cu. Yd. 4.5
Drilled Shaft in Rock			Cu. Yd. 13.6
Permanent Steel Sheet Piling			Sq. Ft. 1,506

NOTES

- * Length is height of spiral.
- ** Concrete for Columns shall be f'c=4,000 psi. Concrete for Abutment Cap & Backwall shall be f'c=3,500 psi.
- *** Permanent Casing will be paid for a length that is three (3) feet longer than theoretically required.
- Space cap reinforcement to miss dowel rods.
- Excavation to install Permanent Steel Sheeting Backwall shall be included in the Contract Unit Price per Square Foot for Permanent Steel Sheet Piling.
- Concrete Structures for Drilled Shaft shall be from Elevation 486.80 to Elevation 495.33.
- Drilled shafts shall be one continuous pour with no construction joints.
- There shall be a maximum 24 hour time period between completion of shaft & pouring of concrete.



DESIGNED - BKC	REVISED -
CHECKED - BKC	REVISED -
DRAWN - FDL	REVISED -
CHECKED - BKC	REVISED -

BUREAU COUNTY
T.R. 398 OVER SPRING CREEK
STATION 20+00

EAST ABUTMENT DETAILS
STRUCTURE NO. 006-4143
 STRUCTURAL SHEET NO. 6 OF 9

TWP. R.T.E.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
399	09-1013-00-BR	BUREAU	19	12
WHA* ICC/D12			CONTRACT NO. 87551	
ILLINOIS FED. AID PROJECT BR05-00110941				

FILE = S:\PROJECTS\2012\1804012_Bur Oak\TR398\DESIGN\STRUCT\1804012_East_Abutment.dwg