



BILL OF MATERIAL - W. ABUT.

Bar	No.	Size	Length	Shape	
h	6	#5	33'-8"		
h1	6	#5	2'-11"	L	
h2	6	#5	4'-1"	L	
p	14	#9	33'-8"		
s	35	#5	12'-5"	□	
sp	3	#5	45'-4"	⋈	
u	8	#5	7'-7"	□	
u1	14	#5	6'-4"	□	
v	42	#9	46'-11"		
v1	82	#5	3'-9"		
v2	12	#5	6'-0"		
** Concrete Structures				Cu. Yd.	22.7
Furnishing & Erecting Structural Steel				Pound	2,670
Reinforcement Bars				Pound	11,560
*** Permanent Casing				Foot	63
Drilled Shaft in Soil				Cu. Yd.	6.0
Drilled Shaft in Rock				Cu. Yd.	13.6
Permanent Steel Sheet Piling				Sq. Ft.	1,584

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.
- Excavation to install Permanent Steel Sheet Piling 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.

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

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

WEST ABUTMENT DETAILS
STRUCTURE NO. 006-4143
STRUCTURAL SHEET NO. 4 OF 9

TWP. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS: NO.
398	09-10113-00-BR	BUREAU	19 10
WHA* 1004012		CONTRACT NO. 87551	
ILLINOIS FED. AID PROJECT #R05-00110941			