



**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	20	#5	15'-9"	—
h ₁ (E)	14	#6	15'-9"	—
h ₂ (E)	32	#5	7'-6"	—
h ₃ (E)	26	#4	15'-3"	—
h ₄ (E)	18	#4	15'-2"	—
n(E)	26	#5	11'-10"	—
n ₁ (E)	12	#5	5'-10"	—
p(E)	16	#7	17'-3"	—
p ₁ (E)	12	#7	18'-0"	—
s(E)	26	#4	17'-7"	—
s ₁ (E)	30	#4	10'-1"	—
u(E)	8	#6	10'-9"	—
v(E)	34	#5	4'-2"	—
v ₁ (E)	34	#4	3'-3"	—
v ₂ (E)	32	#5	8'-6"	—
v ₃ (E)	6	#5	8'-1"	—
v ₄ (E)	26	#5	8'-10"	—
v ₅ (E)	68	#4	6'-10"	—
Structure Excavation		Cu. Yd.	132	
Concrete Structures		Cu. Yd.	56.8	
Concrete Encasement		Cu. Yd.	4.9	
Reinforcement Bars, Epoxy Coated		Pound	4,500	
Furnishing Steel Piles HP 12x53		Foot	923	
Driving piles		Foot	923	
Test Piles Steel HP 12x53		Each	1	
Pile Shoes		Each	14	

For details of Bar Splicers, see sheet 32 of 41.
 For details of piles and Concrete Encasement, see sheet 31 of 41.

A-1 7-1-10

USER NAME = dhaber1mg	DESIGNED - BRD/FLL	REVISED -
FILE NAME = 0550093-68482.dgn	CHECKED - SDS/JHP	REVISED -
PLOT DATE = 12/21/2010	DRAWN - DLH	REVISED -
PLOT TIME = 10:30:58 AM	CHECKED - CWC/SDS	REVISED -

WHKS & CO.
 ENGINEERING

7018 KINGSMILL CT,
 SPRINGFIELD, IL
 (217) 483-9457
 DESIGN FIRM #184001036

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT
S.N. 055-0083**

SHEET NO. 24 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
542	105BR-1	MCDONOUGH	117	64
CONTRACT NO. 68482				
ILLINOIS FED. AID PROJECT				