

**PIER 1
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h20(E)	30	#5	36'-0"	=====
h21(E)	10	#5	34'-8"	=====
h22(E)	8	#5	8'-8"	=====
h28(E)	4	#5	35'-3"	=====
n20(E)	118	#9	13'-10"	┌=====┐
p20(E)	5	#9	41'-6"	=====
p21(E)	11	#10	34'-8"	=====
p22(E)	5	#9	28'-2"	=====
p23(E)	7	#5	16'-6"	=====
p24(E)	7	#5	7'-0"	=====
s20(E)	30	#5	15'-2"	┌=====┐
s21(E)	70	#5	14'-1"	┌=====┐
s22(E)	148	#5	8'-10"	┌=====┐
s23(E)	18	#5	12'-0"	┌=====┐
s24(E)	22	#4	5'-5"	┌=====┐
s25(E)	138	#5	4'-10"	┌=====┐
s31(E)	40	#5	9'-10"	┌=====┐
t20(E)	60	#9	23'-6"	┌=====┐
t21(E)	46	#6	16'-6"	┌=====┐
u20(E)	10	#6	12'-8"	┌=====┐
u30(E)	4	#6	16'-2"	┌=====┐
u31(E)	4	#6	15'-8"	┌=====┐
v21(E)	118	#9	13'-9"	=====
v30(E)	84	#9	15'-0"	=====
v31(E)	84	#9	18'-3"	=====
v32(E)	10	#6	9'-9"	=====
v40(E)	12	#6	12'-3"	=====
w20(E)	36	#6	44'-6"	=====
Concrete Structures			Cu. Yd.	341.5
Reinforcement Bars, Epoxy Coated			Pound	38,600
Test Pile Steel HP 14x73			Each	1
Furn. Steel Piles HP 14x73			Foot	2170
Driving Piles			Foot	2170
Anti-Graffiti Coating			Sq. Ft.	2684
Seal Coat Concrete			Cu. Yd.	122.3
Cofferdam (Type 2) (Location - 1)			Each	1
Pile Shoes			Each	32

**PIER 2
BILL OF MATERIAL**

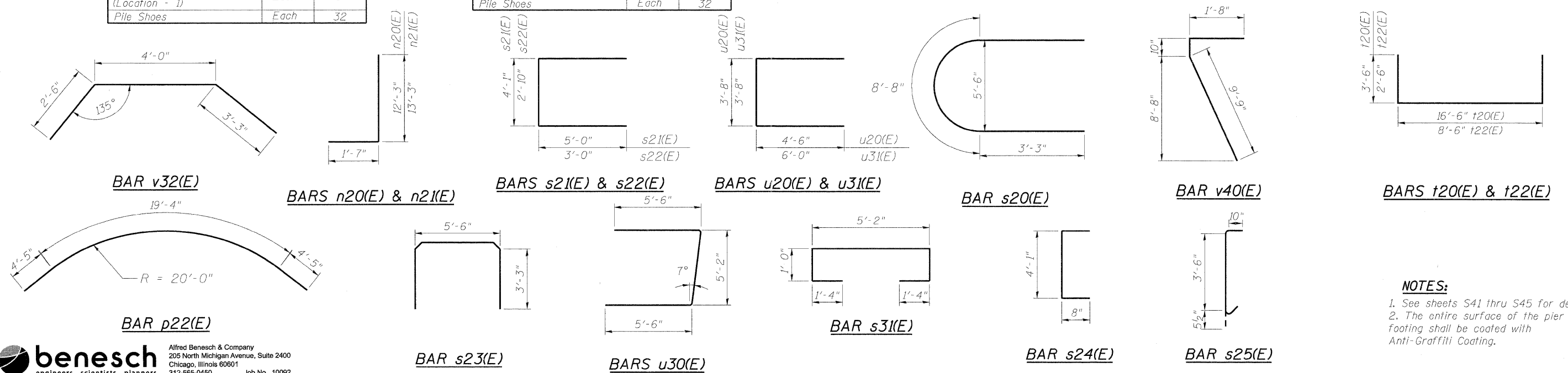
Bar	No.	Size	Length	Shape
h20(E)	44	#5	36'-0"	=====
h21(E)	10	#5	34'-8"	=====
h22(E)	8	#5	8'-8"	=====
h28(E)	4	#5	35'-3"	=====
n20(E)	118	#9	13'-10"	┌=====┐
p20(E)	5	#9	41'-6"	=====
p21(E)	11	#10	34'-8"	=====
p22(E)	5	#9	28'-2"	=====
p25(E)	7	#5	14'-0"	=====
s20(E)	44	#5	15'-2"	┌=====┐
s21(E)	70	#5	14'-1"	┌=====┐
s22(E)	148	#5	8'-10"	┌=====┐
s23(E)	18	#5	12'-0"	┌=====┐
s24(E)	14	#4	5'-5"	┌=====┐
s25(E)	138	#5	4'-10"	┌=====┐
s31(E)	42	#5	9'-10"	┌=====┐
t20(E)	60	#9	23'-6"	┌=====┐
t21(E)	46	#6	16'-6"	┌=====┐
u20(E)	10	#6	12'-8"	┌=====┐
u30(E)	4	#6	16'-2"	┌=====┐
u31(E)	4	#6	15'-8"	┌=====┐
v20(E)	118	#9	20'-9"	=====
v30(E)	84	#9	15'-0"	=====
v31(E)	84	#9	18'-3"	=====
v32(E)	10	#6	9'-9"	=====
v40(E)	12	#6	12'-3"	=====
w20(E)	36	#6	44'-6"	=====
Concrete Structures			Cu. Yd.	414.3
Reinforcement Bars, Epoxy Coated			Pound	42,000
Test Pile Steel HP 14x73			Each	1
Furn. Steel Piles HP 14x73			Foot	1891
Driving Piles			Foot	1891
Anti-Graffiti Coating			Sq. Ft.	3475
Seal Coat Concrete			Cu. Yd.	163.0
Cofferdam (Type 2) (Location - 2)			Each	1
Pile Shoes			Each	32

**PIER 3
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h20(E)	44	#5	36'-0"	=====
h21(E)	10	#5	34'-8"	=====
h22(E)	8	#5	8'-8"	=====
h28(E)	4	#5	35'-3"	=====
n20(E)	118	#9	13'-10"	┌=====┐
p20(E)	5	#9	41'-6"	=====
p21(E)	11	#10	34'-8"	=====
p22(E)	5	#9	28'-2"	=====
s20(E)	44	#5	15'-2"	┌=====┐
s21(E)	70	#5	14'-1"	┌=====┐
s22(E)	148	#5	8'-10"	┌=====┐
s23(E)	18	#5	12'-0"	┌=====┐
s25(E)	138	#5	4'-10"	┌=====┐
s31(E)	42	#5	9'-10"	┌=====┐
t20(E)	60	#9	23'-6"	┌=====┐
t21(E)	46	#6	16'-6"	┌=====┐
u20(E)	10	#6	12'-8"	┌=====┐
u30(E)	4	#6	16'-2"	┌=====┐
u31(E)	4	#6	15'-8"	┌=====┐
v20(E)	118	#9	20'-9"	=====
v30(E)	84	#9	15'-0"	=====
v31(E)	84	#9	18'-3"	=====
v32(E)	10	#6	9'-9"	=====
v40(E)	12	#6	12'-3"	=====
w20(E)	36	#6	44'-6"	=====
Concrete Structures			Cu. Yd.	411.7
Reinforcement Bars, Epoxy Coated			Pound	41,900
Test Pile Steel HP 14x73			Each	1
Furn. Steel Piles HP 14x73			Foot	1767
Driving Piles			Foot	1767
Anti-Graffiti Coating			Sq. Ft.	3477
Seal Coat Concrete			Cu. Yd.	163.0
Cofferdam (Type 2) (Location - 3)			Each	1
Pile Shoes			Each	32

**PIER 4
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h20(E)	34	#5	36'-0"	=====
h21(E)	10	#5	34'-8"	=====
h22(E)	8	#5	8'-8"	=====
h28(E)	4	#5	35'-3"	=====
n20(E)	118	#9	13'-10"	┌=====┐
p20(E)	5	#9	41'-6"	=====
p21(E)	11	#10	34'-8"	=====
p22(E)	5	#9	28'-2"	=====
s20(E)	34	#5	15'-2"	┌=====┐
s21(E)	70	#5	14'-1"	┌=====┐
s22(E)	148	#5	8'-10"	┌=====┐
s23(E)	18	#5	12'-0"	┌=====┐
s25(E)	138	#5	4'-10"	┌=====┐
s31(E)	42	#5	9'-10"	┌=====┐
t20(E)	60	#9	23'-6"	┌=====┐
t21(E)	46	#6	16'-6"	┌=====┐
u20(E)	10	#6	12'-8"	┌=====┐
u30(E)	4	#6	16'-2"	┌=====┐
u31(E)	4	#6	15'-8"	┌=====┐
v22(E)	118	#9	16'-0"	=====
v30(E)	84	#9	15'-0"	=====
v31(E)	84	#9	18'-3"	=====
v32(E)	10	#6	9'-9"	=====
v40(E)	12	#6	12'-3"	=====
w20(E)	36	#6	44'-6"	=====
Concrete Structures			Cu. Yd.	364.0
Reinforcement Bars, Epoxy Coated			Pound	39,400
Test Pile Steel HP 14x73			Each	1
Furn. Steel Piles HP 14x73			Foot	1736
Driving Piles			Foot	1736
Anti-Graffiti Coating			Sq. Ft.	2951
Seal Coat Concrete			Cu. Yd.	163.0
Cofferdam (Type 2) (Location - 4)			Each	1
Pile Shoes			Each	32



NOTES:
 1. See sheets S41 thru S45 for details.
 2. The entire surface of the pier above the footing shall be coated with Anti-Graffiti Coating.

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 312-565-0450 Job No. 10092

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
0456024_046_Piers1 thru 4BOM.dgn	akeaschall	MFH	-
		CHECKED -	REVISED -
		AJK	-
		DRAWN -	REVISED -
		MFH	-
		CHECKED -	REVISED -
		AJK	-

CITY OF ST. CHARLES

PIERS 1-4 BILL OF MATERIALS
STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER
 SHEET NO. S46 OF S56 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	268
				CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT				

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