BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO. (SIZE MARK)	LOCATION	EPOXY (E)	SHAPE NO.	STIRRUP (S)	SUBSTR. (X)	VARIES (V)	NO. EACH	B FT. IN.	C FT. IN.	D FT. IN.	E FT. IN.	F FT. IN.	H FT. IN.	K FT. IN.	NOMINAL LENGTH FT. IN.	ACTUAL LENGTH FT. IN.	WEIGHT LBS.
		PIER 22 WB																
11	11H2200	Beam		20		X			39′-8″							39′-8″	39′-8″	2,318
16	8H2201	Beam		20		X			39′-8″							39′-8″	39′-8″	1,695
16	11H2202	Beam		18		X			39′-8″							42′-10″	42′-10″	3,641
16	6H2203	Beam		20		X			7′-11″							7′-11″	7′-11″	190
16	6H2204	Beam		20		X			11′-5″							11′-5″	11′-5″	274
20	6H2205	Beam		5	S	X			6′-0″	22″	22″					9′-8″	9′-5″	283
2	5P2200	Drilled Shaft		35		X			5′-6″	6″	129′-4″					4475′-0″	4475′-0″	9,335
1	5P2201	Drilled Shaft & Column		35		X			5′-6″	3″	47′-0″					3258′-8″	3258′-8″	3,399
1	5P2202	Drilled Shaft & Column		35		X			5′-6″	3″	45′-7″					3161′-8″	3161′-8″	3,298
36	5P2203	Beam		34	S	X			5′-6″							18′-1″	18′-1″	679
78	6U2200	Beam		53	S	X			4′-6″	7′-8″						25′-8″	25′-3″	2,958
24	6U2201	Beam		5	S	X			4′-6″	7′-8″	7′-8″					19′-10″	19′-7″	706
78	4U2202	Beam		5	S	X			6′-2″	18″	18″					9′-2″	9′-0″	469
22	18V2200	Drilled Shaft		20		X			28′-9″							28′-9″	28′-9″	8,602
22	18V2201	Drilled Shaft		20		X			30′-9″							30′-9″	30′-9″	9,200
176	18V2202	Drilled Shaft		20		X			55′-0″							55′-0″	55′-0″	131,648
22	14V2203	Column		17		X			43′-2″							45′-5″	45′-5″	7,644
22	14V2204	Column		17		X			42′-5″							44′-8″	44′-8″	7,517
22	14V2205	Column		17		X			41′-9″							44′-0″	44′-0″	7,405
22	14V2206	Column		17		X			41′-0″							43′-3″	43′-3″	7,279
24	W5W2200	Beam		22		X			18″	9 1/8″						26′-1″	26′-1″	105
		PIER 22 EB																
11	11H2250	Beam		20		X			39′-8″							39′-8″	39′-8″	2,318
16	8H2251	Beam		20		X			39′-8″							39′-8″	39′-8″	1,695
16	11H2252	Beam		18		X			39′-8″							42′-10″	42′-10″	3,641
16	6H2253	Beam		20		X			11′-5″							11′-5″	11′-5″	274
16	6H2254	Beam		20		X			7′-11″							7′-11″	7′-11″	190
20	6H2255	Beam		5	S	X			6′-0″	22″	22″					9′-8″	9′-5″	283
2	5P2250	Drilled Shaft		35		X			5′-6″	6″	129′-4″					4475′-0″	4475′-0″	9,335
1	5P2251	Drilled Shaft & Column		35		X			5′-6″	3″	45′-6″					3155′-11″	3155′-11″	3,292
1	5P2252	Drilled Shaft & Column		35		X			5′-6″	3″	44′-1″					3058′-11″	3058′-11″	3,190
36	5P2253	Beam		34	S	X			5′-6″							18′-1″	18′-1″	679
78	6U2250	Beam		53	S	X			4′-6″	7′-8″						25′-8″	25′-3″	2,958
24	6U2251	Beam		5	S	X			4′-6″	7′-8″	7′-8″					19′-10″	19′-7″	706
78	4U2252	Beam		5	S	X			6′-2″	18″	18″					9′-2″	9′-0″	469
22	18V2250	Drilled Shaft		20		X			28′-9″							28′-9″	28′-9″	8,602
22	18V2251	Drilled Shaft		20		X			30′-9″							30′-9″	30′-9″	9,200
176	18V2252	Drilled Shaft		20		X			55′-0″							55′-0″	55′-0″	131,648
22	14V2253	Column		17		X			41′-8″							43′-11″	43′-11″	7,391
22	14V2254	Column		17		X			40′-11″							43′-2″	43′-2″	7,265
22	14V2255	Column		17		X			40′-3″							42′-6″	42′-6″	7,153
22	14V2256	Column		17		X			39′-6″							41′-9″	41′-9″	7,027
24	W5W2250	Beam		22		X			18″	9 1/8″						26′-1″	26′-1″	105

BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO. (SIZE MARK)	LOCATION	EPOXY (E)	SHAPE NO.	STIRRUP (S)	SUBSTR. (X)	VARIES (V)	NO. EACH	B FT. IN.	C FT. IN.	D FT. IN.	E FT. IN.	F FT. IN.	H FT. IN.	K FT. IN.	NOMINAL LENGTH FT. IN.	ACTUAL LENGTH FT. IN.	WEIGHT LBS.
		PIER 23 WB																
14	11H2300	Beam	E	20		X			43′-0″							43′-0″	43′-0″	3,198
16	8H2301	Beam	E	20		X			43′-0″							43′-0″	43′-0″	1,837
15	11H2302	Beam	E	18		X			43′-0″							46′-2″	46′-2″	3,679
12	6H2303	Beam	E	20		X			11′-5″							11′-5″	11′-5″	206
6	6H2304	Beam	E	20		X			7′-11″							7′-11″	7′-11″	71
8	6H2305	Beam ✳	E	20		X			11′-3″							11′-3″	11′-3″	135
20	6H2306	Beam	E	5	S	X			10′-4″	22″	22″					14′-0″	13′-9″	413
9	6H2307	Beam	E	20		X			5′-6″							5′-6″	5′-6″	74
36	6H2308	Beam	E	20		X			6′-9″							6′-9″	6′-9″	365
9	6H2309	Beam	E	20		X			8′-10″							8′-10″	8′-10″	119
2	5P2300	Drilled Shaft		35		X			5′-6″	6″	122′-4″					4235′-4″	4235′-4″	8,835
1	5P2301	Drilled Shaft & Column		35		X			5′-6″	3″	51′-3″					3549′-8″	3549′-8″	3,702
1	5P2302	Drilled Shaft & Column		35		X			5′-6″	3″	49′-11″					3458′-4″	3458′-4″	3,607
36	5P2303	Beam	E	34	S	X			5′-6″							18′-1″	18′-1″	679
24	6U2300	Beam	E	5	S	X			8′-4″	7′-7″	7′-7″					23′-6″	23′-3″	838
90	6U2301	Beam	E	53	S	X			8′-4″	7′-7″						33′-2″	32′-9″	4,427
53	4U2302	Beam	E	5	S	X			4′-3″	18″	18″					7′-3″	7′-1″	251
85	4U2303	Beam	E	5	S	X			5′-11″	18″	18″					8′-11″	8′-9″	497
22	18V2300	Drilled Shaft		20		X			31′-9″							31′-9″	31′-9″	9,500
22	18V2301	Drilled Shaft		20		X			33′-9″							33′-9″	33′-9″	10,098
176	18V2302	Drilled Shaft		20		X			50′-0″							50′-0″	50′-0″	119,680
22	14V2303	Column	E	17		X			47′-5″							49′-8″	49′-8″	8,359
22	14V2304	Column	E	17		X			46′-8″							48′-11″	48′-11″	8,233
22	14V2305	Column	E	17		X			46′-1″							48′-4″	48′-4″	8,134
22	14V2306	Column	E	17		X			45′-4″							47′-7″	47′-7″	8,008
40	W5W2300	Beam	E	22		X			12″	9 1/8″						19′-9″	19′-9″	135
		PIER 23 EB																
14	11H2350	Beam	E	20		X			43′-0″							43′-0″	43′-0″	3,198
16	8H2351	Beam	E	20		X			43′-0″							43′-0″	43′-0″	1,837
15	11H2352	Beam	E	18		X			43′-0″							46′-2″	46′-2″	3,679
12	6H2353	Beam	E	20		X			11′-5″							11′-5″	11′-5″	206
6	6H2354	Beam	E	20		X			7′-11″							7′-11″	7′-11″	71
6	6H2355	Beam	E	20		X			11′-3″							11′-3″	11′-3″	101
20	6H2356	Beam	E	5	S	X			10′-4″	22″	22″					14′-0″	13′-9″	413
9	6H2357	Beam	E	20		X			9′-9″							9′-9″	9′-9″	132
27	6H2358	Beam	E	20		X			8′-6″							8′-6″	8′-6″	345
9	6H2359	Beam	E	20		X			6′-5″							6′-5″	6′-5″	87
2	5P2350	Drilled Shaft		35		X			5′-6″	6″	122′-4″					4235′-4″	4235′-4″	8,835
1	5P2351	Drilled Shaft & Column		35		X			5′-6″	3″	49′-9″					3446′-11″	3446′-11″	3,595
1	5P2352	Drilled Shaft & Column		35		X			5′-6″	3″	48′-4″					3349′-11″	3349′-11″	3,494
36	5P2353	Beam	E	34	S	X			5′-6″							18′-1″	18′-1″	679
24	6U2350	Beam	E	5	S	X			8′-4″	7′-7″	7′-7″					23′-6″	23′-3″	838
90	6U2351	Beam	E	53	S	X			8′-4″	7′-7″						33′-2″	32′-9″	4,427
60	4U2352	Beam	E	5	S	X			4′-3″	18″	18″					7′-3″	7′-1″	284
84	4U2353	Beam	E	5	S	X			5′-11″	18″	18″					8′-11″	8′-9″	491
22	18V2350	Drilled Shaft		20		X			31′-9″							31′-9″	31′-9″	9,500
22	18V2351	Drilled Shaft		20		X			33′-9″							33′-9″	33′-9″	10,098
176	18V2352	Drilled Shaft		20		X			50′-0″							50′-0″	50′-0″	119,680
22	14V2353	Column	E	17		X			45′-11″							48′-2″	48′-2″	8,106
22	14V2354	Column	E	17		X			45′-2″							47′-5″	47′-5″	7,980
22	14V2355	Column	E	17		X			44′-6″							46′-9″	46′-9″	7,868
22	14V2356	Column	E	17		X			43′-9″							46′-0″	46′-0″	7,742
36	W5W2350	Beam	E	22		X			12″	9 1/8″						19′-9″	19′-9″	119

✳ Two additional #6-H2305 are included in the bar bill for testing.

BILL OF REINFORCING STEEL

Detailed JUL 2009
Checked JUL 2009

Note: This drawing is not to scale. Follow dimensions.

CONTRACT NO. 76D61

F.A. ROUTE	SECTION
999	82-1B-2
FED. AID PROJECT	ILLINOIS
COUNTY	ST. CLAIR

USER NAME = jjolliff
PLOT SCALE = $SCALE$
PLOT DATE = 4/14/2010

DESIGNED - HNTB
CHECKED - CMT
DRAWN - CMT / HNTB
REVISED -
REVISED -
REVISED -
REVISED -

ILLINOIS APPROACH STRUCTURE
FOR NEW I-70 MISSISSIPPI RIVER BRIDGE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISSOURI HIGHWAYS
AND TRANSPORTATION COMMISSION

HNTB
715 KIRK DRIVE
KANSAS CITY, MO 64105
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

CMT
CRAWFORD, MURPHY & TILLY, INC.
2750 WEST WASHINGTON STREET
SPRINGFIELD, IL 62702
TELEPHONE (217) 787-8050
ENGINEERING CORPORATION - 000631