

SCHEDULE OF REINFORCEMENT-PART OF ITEMS 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1516.1-1-1	COOK	195	156
STA. 2016+35		TO STA. 2353+03		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
120" DIA.	80A1	8	T3	22'-4"	6	94.51	22'-5"										2'-0"	10'-5"	
	80A2	7	9	22'-9"	5	45.82											2'-0"	9'-2 1/2"	
	80A3	6	12	14'-4"	5	21.61											2'-0"	8'-1 1/2"	
	80A4	7	D10	12'-0"	12	38.88	4'-6"	5'-11 1/2"	2'-11 1/2"	3'-10 1/2"	5'-10 1/2"	2'-3 1/2"					2'-0"	3'-5 1/2"	
	80A5	8	12	17'-0"	5	47.76											2'-0"	2'-2 1/2"	
	80A6	5	T3	15'-1"	3	15.74											20"	4'-3 1/2"	
	80A7	4	STR	5'-8"	28	3.79													
	80A8	5	12	10'-9"	4	11.81				9'-9 1/2"							10 1/2"	6 1/2"	
	TOTAL						1951												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
66" DIA.	66A1	6	T3	20'-5"	6	30.73												2'-0"	
	66A2	5	9	11'-10"	5	12.35												2'-0"	
	66A3	5	12	8'-2"	5	8.32												2'-0"	
	66A4	5	D10	9'-1 1/2"	12	8.91	2'-6"	3'-6"	2'-0"	4'-2"	15"						2'-0"	10 1/2"	
	66A5	6	12	10'-4"	5	15.30												2'-0"	
	66A6	5	T3	15'-1"	3	15.74												20"	
	66A7	4	STR	5'-8"	28	3.79													
	66A8	5	12	5'-5"	4	6.89				5'-5 1/2"							10 1/2"	6 1/2"	
	TOTAL						894												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
108" DIA.	108A1	7	T3	31'-11"	6	65.84												2'-0"	
	108A2	6	9	20'-2"	5	30.37												2'-0"	
	108A3	6	12	12'-9"	5	19.15												2'-0"	
	108A4	7	D10	11'-0"	12	34.81	4'-1"	5'-6"	2'-11 1/2"	3'-6"	5'-6"	2'-3 1/2"						2'-0"	
	108A5	7	12	15'-0"	5	22.70												2'-0"	
	108A6	5	T3	15'-1"	3	15.74												20"	
	108A7	4	STR	5'-8"	28	3.79													
	108A8	5	12	9'-8"	4	10.09				8'-8 1/2"							10 1/2"	6 1/2"	
	TOTAL						1941												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
60" DIA.	60A1	6	T3	16'-11"	6	26.41												2'-0"	
	60A2	5	9	10'-9"	5	11.81												2'-0"	
	60A3	5	12	7'-4"	5	7.85												2'-0"	
	60A4	5	D10	8'-11"	12	8.26	2'-3"	3'-6"	2'-0"	4'-2"	15"							2'-0"	
	60A5	5	12	8'-4"	5	8.74												2'-0"	
	60A6	5	T3	15'-1"	3	15.74												20"	
	60A7	4	STR	5'-8"	27	3.79													
	TOTAL						894												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
102" DIA.	102A1	7	T3	30'-5"	6	61.88												2'-0"	
	102A2	6	9	19'-0"	5	28.54												2'-0"	
	102A3	6	12	12'-3"	5	18.40												2'-0"	
	102A4	7	D10	11'-0"	12	34.81	3'-9"	5'-0"	2'-11 1/2"	3'-6"	5'-6"	2'-3 1/2"						2'-0"	
	102A5	5	T3	15'-1"	3	15.74												20"	
	102A6	4	STR	5'-8"	28	3.79													
	102A7	5	12	9'-3"	4	9.65				9'-3 1/2"							10 1/2"	6 1/2"	
	TOTAL						1462												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
54" DIA.	54A1	6	T3	17'-4"	6	26.04												2'-0"	
	54A2	5	9	8'-0"	5	8.87												2'-0"	
	54A3	5	12	5'-8"	5	6.95												2'-0"	
	54A4	5	D10	7'-2"	12	7.95	2'-0"	3'-7"	15"	4'-2"	20 1/2"	15"						2'-0"	
	54A5	5	12	8'-8"	5	9.04												2'-0"	
	54A6	5	T3	15'-1"	3	15.74												20"	
	54A7	4	STR	5'-8"	25	3.79													
	TOTAL						511												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
96" DIA.	96A1	7	T3	28'-6"	6	58.36												2'-0"	
	96A2	6	9	17'-11"	5	26.24												2'-0"	
	96A3	6	12	11'-6"	5	17.87												2'-0"	
	96A4	7	D10	14'-0"	12	30.39	5'-8"	5'-0"	3'-11 1/2"	2'-9"	3'-6"	2'-3 1/2"						2'-0"	
	96A5	7	12	13'-5"	5	27.43												2'-0"	
	96A6	5	T3	15'-1"	3	15.74												20"	
	96A7	4	STR	5'-8"	24	3.79													
	96A8	5	12	8'-8"	4	9.04				7'-8 1/2"							10 1/2"	6 1/2"	
	TOTAL						1362												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
48" DIA.	48A1	6	T3	15'-9"	6	23.66												2'-0"	
	48A2	5	9	8'-0"	5	8.87												2'-0"	
	48A3	5	12	5'-8"	5	6.95												2'-0"	
	48A4	5	D10	6'-5"	12	6.74	2'-0"	3'-7"	15"	4'-2"	17"	17"						2'-0"	
	48A5	5	12	7'-5"	5	7.85												2'-0"	
	48A6	5	T3	15'-1"	3	15.74												20"	
	48A7	4	STR	5'-8"	22	3.79													
	TOTAL						464												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
90" DIA.	90A1	6	T3	26'-6"	6	39.80												2'-0"	
	90A2	5	9	15'-7"	5	17.38												2'-0"	
	90A3	6	12	11'-0"	5	16.92												2'-0"	
	90A4	6	D10	13'-9"	12	20.70	5'-6"	4'-7"	3'-9"	2'-9"	3'-0"	2 1/2"						2'-0"	
	90A5	6	12	13'-9"	5	20.69												2'-0"	
	90A6	5	T3	15'-1"	3	15.74												20"	
	90A7	4	STR	5'-8"	30	3.79													
	90A8	5	12	8'-2"	4	8.91				7'-2 1/2"							9"	7"	
	TOTAL						1090												

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQS.	WEIGHT - LBS. TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
42" DIA.	42A1	6	T3	14'-2"	6	21.28												2'-0"	
	42A2	5	9	7'-6"	4	7.82	</												