

SCHEDULE OF REINFORCEMENT - PART OF ITEMS 3

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	275
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		

STRUCTURE	REINFORCEMENT BAR					BENDING DIMENSIONS													
	MARK	SIZE	TYPE	LENGTH	NO. REQ'D	A	B	C	D	E	F	G	H	J	K	O	R		
120" DIA.	80A1	8	T3	35'-4"	6	94.51											2'-0"	10'-5"	
	80A2	7	9	22'-5"	5	45.82			22'-5"								8'-0"	2'-0"	
	80A3	6	12	14'-4"	5	21.61											8'-0"	8'-7 1/2"	
	80A4	7	D10	12'-0"	12	38.86	4'-6"	5'-11 1/2"	4'-0"	3'-0"	3'-10 1/2"	2'-3 1/2"						2'-0"	5'-13 1/2"
	80A5	8	12	17'-0"	5	47.76			3'-6"	3'-6"	4'-0"							2'-0"	
	80A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	80A7	4	STR	5'-8"	56	3.79													
	80A8	5	12	10'-9"	4	11.81			3'-5"	1'-0"								10"	6"
	TOTAL					1951													
108" DIA.	80A1	7	T3	31'-11"	6	65.84											2'-0"	8'-5"	
	80A2	6	9	20'-2"	5	30.37			20'-2"								2'-0"	4'-0"	
	80A3	6	12	12'-9"	5	19.15											8'-5"	4'-0"	
	80A4	7	D10	17'-0"	12	36.81	4'-1"	5'-6"	3'-5"	2'-10"	3'-6"	2'-16"						2'-0"	5'-10"
	80A5	7	12	15'-0"	5	32.70			3'-3"	3'-5"	4'-4"							2'-0"	
	80A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	80A7	4	STR	5'-8"	62	3.79													
	80A8	5	12	9'-6"	4	10.09			8'-8"	1'-0"								10"	6"
	TOTAL					1541													
102" DIA.	80A1	7	T3	30'-5"	6	61.82											2'-0"	8'-10"	
	80A2	6	9	19'-0"	5	28.54			19'-0"								2'-0"	4'-0"	
	80A3	6	12	12'-3"	5	18.40											8'-5"	4'-0"	
	80A4	7	D10	16'-0"	12	32.79	3'-9"	5'-0"	3'-11"	2'-20"	3'-12"	2'-2"						2'-0"	5'-10"
	80A5	7	12	15'-4"	5	31.34			3'-1"	3'-0"	4'-3"							2'-0"	
	80A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	80A7	4	STR	5'-8"	56	3.79													
	80A8	5	12	9'-3"	4	9.65			8'-3"	1'-0"								10"	6"
	TOTAL					1462													
96" DIA.	80A1	7	T3	28'-6"	6	59.36											2'-0"	8'-5"	
	80A2	6	9	17'-11"	5	26.94			17'-11"								2'-0"	4'-0"	
	80A3	6	12	11'-6"	5	17.27											8'-5"	4'-0"	
	80A4	7	D10	14'-10"	12	30.39	3'-6"	5'-0"	3'-11"	2'-20"	3'-12"	2'-2"						2'-0"	5'-10"
	80A5	7	12	13'-5"	5	27.43			2'-10"	3'-1"	4'-1"							2'-0"	
	80A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	80A7	4	STR	5'-8"	54	3.79													
	80A8	5	12	8'-8"	4	9.04			7'-8"	1'-0"								10"	6"
	TOTAL					1362													
90" DIA.	80A1	6	T3	26'-6"	6	55.80											2'-0"	7'-10"	
	80A2	5	9	15'-7"	5	17.32			15'-7"								2'-0"	4'-0"	
	80A3	6	12	11'-0"	5	16.52											8'-5"	4'-0"	
	80A4	6	D10	13'-9"	12	20.70	3'-6"	4'-7"	3'-9"	2'-20"	3'-12"	2'-2"						2'-0"	5'-10"
	80A5	6	12	13'-9"	5	20.60			2'-9"	3'-0"	4'-0"							2'-0"	
	80A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	80A7	4	STR	5'-8"	50	3.79													
	80A8	5	12	8'-2"	4	8.91			7'-2"	1'-0"								10"	6"
	TOTAL					1030													
84" DIA.	80A1	6	T3	25'-5"	6	57.95											2'-0"	7'-4"	
	80A2	5	9	15'-0"	5	16.12			15'-0"								2'-0"	4'-0"	
	80A3	5	12	8'-0"	5	10.26											8'-5"	4'-0"	
	80A4	6	D10	12'-6"	12	18.79	3'-2"	4'-4"	3'-4"	1'-6"	2'-0"	10"						2'-0"	5'-10"
	80A5	6	12	12'-5"	5	18.85			2'-7"	6'-4"	3'-6"							2'-0"	
	80A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	80A7	4	STR	5'-8"	46	3.79													
	80A8	5	12	7'-6"	4	7.92			6'-6"	1'-0"								10"	6"
	TOTAL					930													
78" DIA.	78A1	6	T3	23'-7"	6	55.82											2'-0"	6'-10"	
	78A2	5	9	14'-3"	5	14.93			14'-3"								2'-0"	4'-0"	
	78A3	5	12	9'-3"	5	9.89											8'-5"	4'-0"	
	78A4	6	D10	11'-5"	12	17.26	3'-1"	4'-0"	3'-3"	1'-16"	2'-7"	19"						2'-0"	5'-10"
	78A5	6	12	11'-9"	5	17.85			2'-6"	6'-1"	3'-2"							2'-0"	
	78A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	78A7	4	STR	5'-8"	42	3.79													
	78A8	5	12	7'-3"	4	7.56			6'-9"	1'-0"								10"	6"
	TOTAL					867													
72" DIA.	72A1	6	T3	22'-0"	6	53.04											2'-0"	6'-4"	
	72A2	5	9	13'-3"	5	13.82			13'-3"								2'-0"	4'-0"	
	72A3	5	12	8'-6"	5	8.87											8'-5"	4'-0"	
	72A4	6	D10	9'-10"	12	14.94	2'-6"	3'-8"	3'-0"	1'-6"	2'-12"	15"						2'-0"	5'-10"
	72A5	6	12	10'-9"	5	16.15			2'-3"	6'-6"	3'-0"							2'-0"	
	72A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	72A7	4	STR	5'-8"	39	3.79													
	72A8	5	12	6'-5"	4	7.04			5'-9"	1'-0"								10"	6"
	TOTAL					790													

STRUCTURE	REINFORCEMENT BAR					BENDING DIMENSIONS													
	MARK	SIZE	TYPE	LENGTH	NO. REQ'D	A	B	C	D	E	F	G	H	J	K	O	R		
66" DIA.	66A1	6	T3	20'-5"	6	30.73											2'-0"	5'-10"	
	66A2	5	9	17'-10"	5	12.30			17'-10"								2'-0"	4'-0"	
	66A3	5	12	8'-2"	5	8.32											8'-5"	4'-0"	
	66A4	5	D10	9'-11"	12	9.51	2'-6"	3'-8"	2'-9"	4'-2"	2'-12"							2'-0"	5'-10"
	66A5	6	12	10'-4"	5	15.20			3'-6"	3'-6"	3'-0"							2'-0"	
	66A6	5	T3	15'-1"	3	15.74												20"	4'-3 1/2"
	66A7	4	STR	5'-8"	36	3.79													
	66A8	5	12	6'-5"	4	6.89			5'-5"	1'-0"								10"	6"
	TOTAL					691													
60" DIA.	60A1	6	T3	18'-11"	6	28.41											2'-0"	5'-4"	
	60A2	5	9	10'-9"	5	11.81			10'-9"								2'-0"	4'-0"	
	60A3	5	12	7'-4"	5	7.98											8'-5"	4'-0"	
	60A4	5	D10	8'-12"	12	8.46	2'-3"	3'-6"	2'-8"	4'-2"	2'-12"							2'-0"	5'-10"
	60A5	5	12	8'-4"	5	8.74			2'-0"	4'-7"	2'-9"							2'-0"	
	60A6	5	T3	15'-1"	3	15.74													