

SCHEDULE OF REINFORCEMENT

F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94 2021-922PT.1-AC	COOK	460	101
STA. TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	

62693

STRUCTURE	REINFORCEMENT BAR							BENDING DIMENSIONS													
	MARK	SIZE NO.	TYPE	LENGTH	NO. REOD	WEIGHT-LBS.		A	B	C	D	E	F	G	H	J	K	O	R		
						EACH	TOTAL														
120" DIA.	120A1	8	T3	35'-4 3/4"	6	94.51	567												2'-8"	10'-5"	
	120A2	7	9	22'-5"	5	45.82	229		22'-5"										8'-0"	8'-7 1/2"	5'-2 1/2"
	120A3	6	12	14'-4 3/8"	5	21.61	108			9'-6 3/4"	4'-10"								4'-3 1/2"	2'-2 1/2"	
	120A4	7	D10	19'-0 1/8"	12	38.86	466	4'-6"	5'-11 1/2"	4'-10 1/4"	3'-8 3/4"	3'-10 1/4"	2'-3 3/4"						3'-5 1/4"	3'-5 1/4"	
	120A5	8	12	17'-10 3/8"	5	47.76	239		3'-6"	9'-6 3/4"	4'-10"								4'-3 1/2"	2'-2 1/2"	
	120A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	120A7	4	STR	5'-8"	66	3.79	250														
	120A8	5	12	10'-9"	4	11.21	45			9'-9"	1'-0"								10 1/4"	6 1/4"	
	T O T A L						1951														
108" DIA.	108A1	7	T3	31'-11"	6	65.24	391												2'-4"	9'-5"	
	108A2	6	9	20'-2 3/4"	5	30.37	152		20'-2 3/4"										7'-2 1/2"	7'-9 3/4"	4'-8 1/2"
	108A3	6	12	12'-9"	5	19.15	96			8'-5"	4'-4"								3'-8 1/2"	2'-2 1/4"	
	108A4	7	D10	17'-0 3/8"	12	34.81	418	4'-1"	5'-6 1/4"	4'-5 1/4"	2'-11 3/8"	3'-6"	2'-1 1/4"						3'-1 3/8"	3'-1 3/8"	
	108A5	7	12	16'-0"	5	32.70	163		3'-3"	8'-5"	4'-4"								3'-8 1/2"	2'-2 3/4"	
	108A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	108A7	4	STR	5'-8"	62	3.79	234														
	120A8	5	12	9'-8"	4	10.09	40			8'-8"	1'-0"								10 1/4"	6 1/4"	
	T O T A L						1541														
102" DIA.	102A1	7	T3	30'-3"	6	61.83	371												2'-4"	8'-10 1/4"	
	102A2	6	9	19'-0"	5	28.54	143		19'-0"										6'-9 1/2"	7'-4 1/2"	4'-5 1/2"
	102A3	6	12	12'-3"	5	18.40	92			8'-0"	4'-3"								3'-2 1/2"	2'-2"	
	102A4	7	D10	16'-0 1/2"	12	32.79	393	3'-9"	5'-5 1/2"	4'-1 1/4"	2'-8 3/4"	3'-2 1/2"	23"						2'-11 1/4"	2'-11 1/4"	
	102A5	7	12	15'-4"	5	31.34	157		3'-1"	8'-0"	4'-3"								3'-7 1/4"	2'-2"	
	102A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	102A7	4	STR	5'-8"	58	3.79	220														
	120A8	5	12	9'-3"	4	9.65	39			8'-3"	1'-0"								10 1/4"	6 1/4"	
	T O T A L						1462														
96" DIA.	96A1	7	T3	28'-8"	6	58.38	352												2'-4"	8'-5"	
	96A2	6	9	17'-11 1/4"	5	26.94	135		17'-11 1/4"										6'-4"	7'-2 1/2"	4'-2 1/2"
	96A3	6	12	11'-6"	5	17.27	86			7'-5"	4'-1"								3'-6"	2'-1 1/4"	
	96A4	7	D10	14'-10 3/8"	12	30.38	365	3'-8"	5'-0"	3'-11 1/2"	2'-2 1/4"	3'-1 3/4"	22 1/2"						2'-9 3/4"	2'-9 3/4"	
	96A5	7	12	13'-5"	5	27.43	137		2'-10 1/4"	7'-5"	4'-1"								3'-6"	2'-1 1/4"	
	96A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	96A7	4	STR	5'-8"	54	3.79	204														
	120A8	5	12	8'-8"	4	9.04	36			7'-8"	1'-0"								10"	6 3/4"	
	T O T A L						1362														
90" DIA.	90A1	6	T3	26'-6"	6	39.80	239												2'-0"	7'-10 1/2"	
	90A2	5	9	16'-7 1/4"	5	17.32	87		16'-7 1/4"										5'-10 1/4"	6'-9 3/4"	3'-11 1/4"
	90A3	6	12	11'-0"	5	16.52	83			7'-0"	4'-0"								3'-5"	2'-0 3/4"	
	90A4	6	D10	13'-9 3/8"	12	20.70	248	3'-6"	4'-7 1/2"	3'-9 1/2"	2'-2 3/8"	3'-0"	21 1/2"						2'-8 1/2"	2'-8 1/2"	
	90A5	6	12	13'-9"	5	20.65	103		2'-8"	7'-0"	4'-0"								3'-5"	2'-0 3/4"	
	90A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	90A7	4	STR	5'-8"	50	3.79	189														
	120A8	5	12	8'-2"	4	8.51	34			7'-2"	1'-0"								9 3/4"	7"	
	T O T A L						1030														
84" DIA.	84A1	6	T3	25'-3"	6	37.93	228												2'-0"	7'-4 1/2"	
	84A2	5	9	15'-5 1/2"	5	16.12	81		15'-5 1/2"										5'-5 1/4"	8'-2 1/4"	3'-8 1/4"
	84A3	5	12	9'-10"	5	10.26	51			6'-4"	3'-6"								3'-0"	2 1/2"	
	84A4	6	D10	12'-6 1/8"	12	18.79	225	3'-2"	4'-4 3/4"	3'-4 1/2"	1'-6 3/4"	2'-8 1/2"	19 1/4"						2'-4 3/4"	2'-4 3/4"	
	84A5	6	12	12'-5"	5	18.65	93		2'-7"	6'-4"	3'-6"								3'-0"	2 1/2"	
	84A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	84A7	4	STR	5'-8"	46	3.79	174														
	120A8	5	12	7'-6"	4	7.82	31			6'-6"	1'-0"								10 1/4"	6 1/4"	
	T O T A L						930														
78" DIA.	78A1	6	T3	23'-7"	6	35.42	213												2'-0"	6'-10 1/2"	
	78A2	5	9	14'-3 3/4"	5	14.93	75		14'-3 3/4"										5'-0"	7'-9 3/4"	3'-5 1/4"
	78A3	5	12	9'-3"	5	9.65	48			6'-1"	3'-2"								2'-8 1/2"	19 3/4"	
	78A4	6	D10	11'-5 1/8"	12	17.26	207	3'-1"	4'-0"	3'-3"	1'-1 1/4"	2'-7 1/2"	19 1/4"						2'-3 3/4"	2'-3 3/4"	
	78A5	6	12	11'-9"	5	17.65	88		2'-6"	6'-1"	3'-2"								2'-8 1/2"	19 3/4"	
	78A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	78A7	4	STR	5'-8"	42	3.79	159														
	120A8	5	12	7'-3"	4	7.56	30			6'-3"	1'-0"								9 3/4"	7"	
	T O T A L						867														
72" DIA.	72A1	6	T3	22'-0"	6	33.04	198												2'-0"	6'-4 1/2"	
	72A2	5	9	13'-3"	5	13.82	69		13'-3"										4'-8"	5'-6"	3'-2"
	72A3	5	12	8'-6"	5	8.87	44			5'-6"	3'-0"								2'-6 3/4"	18 3/4"	
	72A4	6	D10	9'-11 3/8"	12	14.94	179	2'-6"	3'-8 1/4"	3'-0"	9 3/4"	2'-1 3/4"	15 1/2"						2'-1 3/4"	2'-1 3/4"	
	72A5	6	12	10'-9"	5	16.15	81		2'-3"	5'-6"	3'-0"								2'-6 3/4"	18 3/4"	
	72A6	5	T3	15'-1"	3	15.74	47												20"	4'-3 1/4"	
	72A7	4	STR	5'-8"	38	3.79	144														
	120A8	5	12	6'-9"	4	7.04	28			5'-9"	1'-0"								10 1/4"	6 1/4"	
	T O T A L						790														

STRUCTURE	REINFORCEMENT BAR							BENDING DIMENSIONS													
	MARK	SIZE NO.	TYPE	LENGTH	NO. REOD	WEIGHT-LBS.		A	B	C	D	E	F	G	H	J	K	O	R		
						EACH	TOTAL														
66" DIA.	66A1	6	T3	20'-5"	6	30.73	184												2'-0"	5'-10 1/2"	
	66A2	5	9	11'-10"	5	12.35	62		11'-10"										4'-2 1/4"	5'-1 3/4"	2'-11 1/4"
	66A3	5	12	8'-2"	5	8.52	43			5'-2"	3'-0"								2'-7"	18 3/4"	
	66A4	5	D10	9'-1 3/8"	12	9.51	114	2'-6"	3'-5"	2'-9 1/2"	4 3/4"	2'-2"	15"						23 3/4"	23 3	