



230/26kV Steelbald T3 Replacement project
JEA

Origination Date:

Material List No: Q-5490

Sheet No: 1 of 5

ITEM	QTY.	DESCRIPTION	MFG.	TYPE OR CAT. NO.
230KV BUS MATERIALS AND STRUCTURES				
K5	120	954 MCM AAC, 37 STRAND, CODE NAME "MAGNOLIA"	MID STATE	A954-01BA01
K6	35	4/0 AAC, 7 STR., CODE NAME "OXLIP"	MID STATE	AAC
N32	12	TERMINAL, 954 MCM AAC TO 4 HOLE PAD, 4" WIDE PAD, WELDED	SEFCOR	WFC-34-4B
N33	3	TERMINAL, 4/0 AAC TO 4 HOLE PAD, WELDED	SEFCOR	WFC-11-4A
N34	3	TEE CONNECTOR, BOLTED ALUM, 500(19)-1000(37) MCM AAC OR 477.0(18/1)-795.0(30/19) MCM ACSR, TAP, #4-4/0 ACSR	SEFCOR	ACRCT-3413
N35	3	1/2" X 4" X 5-1/2" ALUM FLAT BAR W/ 4-HOLE PATTERN UTILIZED AS WELDED TEE ON 4X4 IWCB	SEFCOR	FA-2667
S17	3	230KV 1 PHASE PT STAND, 7'-0" STRUCTURE HEIGHT	DIS-TRAN ST	APPX WT = 535 LBS EA
34.5 KV GALVANIZED STEEL STRUCTURES				
A20	1	34.5KV, "H" FRAME STRUCTURE, BREAKER DISCONNECT, SINGLE BAY, 24'-0" CONDUCTOR HEIGHT WITH PROVISIONS FOR HOOKSTICKS HORIZONTAL INSULATOR CIRCUIT BREAKER UNDERNEATH	DIS-TRAN ST	APPX WT = 1,927 LBS EA
A21	1	34.5KV BUS SUPPORT STAND, 24' BUS HEIGHT, WITH PROVISION FOR HORIZ. INSULATORS & TOP INSULATORS	DIS-TRAN ST	APPX WT = 1,903 LBS EA
A23	5	34.5KV BUS SUPPORT STAND, 3 PHASE, 18' BUS HT, 3' PHASE SPACING	DIS-TRAN ST	APPX WT = 654 LBS EA
A24	1	34.5KV CT/PT/SST STAND, 21' BUS HEIGHT -WITH PROVISIONS FOR 5 HOOKSTICKS 1 75 KVA STATION SERVICE TRANSFORMER 1 25 KVA STATION SERVICE TRANSFORMER (2) CT's (3) PTs	DIS-TRAN ST	APPX WT = 1,738 LBS EA
A26	1	34.5KV DISTRIBUTION STRUCTURE, 3-SIDED H-FRAME - 1 SIDE - TOP INSUL, 1 SIDE - TOP INSUL, 1 SIDE - U HUNG INSUL 1 SIDE - 2 BAY BREAKER W/ 6 HOOKSTICKS EACH BAY WITH PROVISIONS FOR 6 HOOKSTICKS PER BAY 1 CIRCUIT BREAKER IN EACH BAY	DIS-TRAN ST	APPX WT = 4,206 LBS EA
A27	1	34.5KV DISTRIBUTION STRUCTURE, 2 BAYS, 21' BUS HEIGHT WITH PROVISIONS FOR 3 HOOKSTICKS PER BAY CANTILEVERED ON 2 BAYS BUS SUPPORT ABOVE EACH BAY	DIS-TRAN ST	APPX WT = 2,368 LBS EA
A28	2	26KV TERMINATOR STRUCTURE, 3 PHASE, 21' BUS HEIGHT WITH PROVISIONS FOR 3 ARRESTERS BELOW GRADE TERMINATION	DIS-TRAN ST	APPX WT = 1,210 LBS EA



230/26kV Steelbald T3 Replacement project
JEA

Origination Date:

Material List No: Q-5490

Sheet No: 2 of 5

ITEM	QTY.	DESCRIPTION	MFG.	TYPE OR CAT. NO.
AB1	LOT	ANCHOR BOLTS AND TEMPLATES (5490-501 REV 0) (40) 1" X 2'-6" F1554 GR 55 AB (2) FW & (5) HN (6) TP1 (4) TP3 (52) 3/4" X 2'-0" F1554 GR 55 AB (2) FW & (5) HN (13) TP2 (12) 1" X 1'-6" F1554 GR 55 AB (1) FW & (1) HN	T.F.	
EB	LOT	GALVANIZED EQUIPMENT MTG BOLTS, NUTS AND WASHERS (190) 1/2" X 1" A307 GRADE A HB (25) 1/2" X 1-1/2" A307 GRADE A HB (30) 1/2" X 1-1/4" A307 GRADE A HB (25) 1/2" X 2" A307 GRADE A HB (245) 1/2" F844 USS FW (62) 1/2" A563 GRADE A HN (15) 3/8" X 1-1/4" A307 GRADE A HB (15) 3/8" F844 USS FW (15) 3/8" A563 GRADE A HN	T.F.	
EB	LOT	EQUIPMENT BOLT CONT.. (10) 5/8" F844 USS FW (15) 7/8" X 2 - 3/4" A307 GRADE A HB (15) 7/8" F844 USS FW (15) 7/8" A563 GRADE A HN	T.F.	
TB	LOT	STAINLESS STEEL TERMINAL BOLTS (2F_1BW_1BHN) (15) *L2 1/2" X 1-1/2" (3) *L4 1/2" X 1-1/2" (20) *M2 1/2" X 1-3/4" (47) *M4 1/2" X 1-3/4" (55) *N4 1/2" X 2" (32) *O4 1/2" X 2-1/4" (5) *P4 1/2" X 2-1/2"	T.F.	
34.5KV MAJOR EQUIPMENT				
B56	2	CURRENT TRANSFORMER, 34.5KV, WINDOW TYPE WITH BAR INSTALLED, DRYE TYPE	ABB	923A176G05
B57	21	34.5KV, 1200 AMP, 200KV BIL, 61KA MOM, SINGLE PHASE, HOOKSTICK OPERATED, VEE SWITCH, COMPLETE WITH: A. TR-210 STATION POST INSULATORS, GRAY B. VERTICAL MOUNTING C. 70 DEGREE - 180 DEGREE BLADE OPENING	PASCOR ATL	034 KV HPLV 1200 AMP
B58	6	STATION CLASS METAL OXIDE SURGE ARRESTER, 17 MCOV, POLYMER JEA ARRST # ARRST017	COOPER	UHAA021017A1845A11
B61	5	26KV POTENTIAL TRANSFORMER, 150KV BIL, DRY TYPE A. RATIO:120:1 B. ACCURACY:0.3% W,X,Y,Z C. VOLTAGE CLASS: 25KV	RITZ	VEF 25-10



230/26kV Steelbald T3 Replacement project
JEA

Origination Date:

Material List No: Q-5490

Sheet No: 3 of 5

ITEM	QTY.	DESCRIPTION	MFG.	TYPE OR CAT. NO.
B62	5	FUSED DISCONNECT SWITCHES, 26KV, 150KV BIL COMPLETE WITH: NEMA TR-210 INSULATORS	S&C	192323-SP
B63A	3	POWER FUSE UNITS SMU-40 FOR SSVT, 5E, 1 SPARE	S&C	823005
GG3C	4	POWER FUSE UNITS SMU-40 FOR PT'S, 1 E, (1) SPARE	S&C	823001
B64B	2	SMD-20 POWER FUSE, POLE TOP STYLE	S&C	92123R3
B64C	3	POWER FUSE UNITS SMD20 FOR PT'S (1) SPARE	S&C	703001
34.5KV BUS AND MATERIALS				
B01	6	END BELL, 4" IPS ALUM TUBING, WELDED ALUM	SEFCOR	WEB-64
B02	6	TEE CONNECTOR, WELDED ALUM, 3"-6" ALUM TUBE, 3" 4 HOLE PAD	SEFCOR	WTF-6269-4A
B03	3	COUPLER, WELDED ALUM, 4" SCH 40 ALUM TUBE, 90°	SEFCOR	WLBI90-6464
B04	9	BUS SUPPORT CLAMP, 4" IPS ALUM TO 3" B.C., HOOK ON TYPE WELDED	SEFCOR	ASWH-64-3
B05	120	RIGID BUS PIPE, ALUMINUM, 4" DIA. NPS, SCH 40, 6063-T6, ASTM B241, 53% IACS CONDUCTIVITY, 1.264PLF, 25KSI YIELD STRENGTH, SUITABLE FINISH FOR HIGH VOLTAGE APPLICATION (3) 40'-0"	WILLIAMS M	BUS PIPE
B10	6	TERMINAL, WELDED ALUM, 636 AAC TO 3" 4 HOLE PAD	SEFCOR	WFC-24-4A
B11	475	636 MCM AAC, 37 STRAND, CODE NAME "ORCHID"	MID STATE	A954-01BA01
B12	10	2 AAC 7/W "IRIS"	MID STATE	AAC
B25	24	CABLE SPACER FOR (2) 636 MCM AAC, 4" SPACING,	SEFCOR	ASPC-24-4
B30	17	TERMINAL, 4/0 AAC TO 4 HOLE PAD, WELDED	SEFCOR	WFC-11-4A
B32	6	TERMINAL, 636 AAC TO 2 HOLE PAD, WELDED	SEFCOR	WFC-24-2B
B37	51	TERMINAL, (2) 636 MCM AAC TO 4 HOLE 3" WIDE PAD, WELDED	SEFCOR	WFC2-24-4A
B38	9	TERMINAL, (2) 636 MCMM AAC TO 4 HOLE PAD, WELDED, 90 DEGREE	SEFCOR	WFC2-90-24-4A
B65	560	RIGID BUS PIPE, ALUMINUM, 2" DIA. NPS, SCH 40, 6063-T6, ASTM B241, 53% IACS CONDUCTIVITY, 1.264PLF, 25KSI YIELD STRENGTH, SUITABLE FINISH FOR HIGH VOLTAGE APPLICATION (14) 40'-0"	WILLIAMS M	6063 T6 B241
B66	550	556.5 MCM AAC, 37 MCM AAC, CODE NAME "MISTLETOE" -(DAMPENING)	MID STATE	A556.5-01BA11
B67	70	4/0 AAC, 7 STRAND, CODE NAME "OXLIP"	MID STATE	A4/0-01BA01

Friday, March 15, 2019



230/26kV Steelbald T3 Replacement project
JEA

Origination Date:

Material List No: Q-5490

Sheet No: 4 of 5

ITEM	QTY.	DESCRIPTION	MFG.	TYPE OR CAT. NO.
B68	46	STATION POST INSULATOR, 34.5KV, 200KV BIL, TR-210, GRAY 2000 # CANTILEVER STRENGTH	NEWELL	231004-7001
B69	34	BUS SUPPORT CLAMP, 2" IPS ALUM TUBING TO 3" B.C., HOOK- ON TYPE, WELDED	SEFCOR	ASWH-58-3-SE
B70	18	TERMINAL, 2" IPS ALUM TUBING TO 4 HOLE PAD, WELDED, 90 DEGREE	SEFCOR	WFT90-58-4A
B71	2	TERMINAL WELDED, AL. 2" SPS AL. TUBE, 4- HOLE 3" PAD, EXPANSION, CENTERFORMED	SEFCOR	WFXTC-V-58-4A
B72	3	TERMINAL, 2" IPS ALUM TUBING TO 4 HOLE PAD, WELDED, EXPANSION, SEMI FLEXIBLE 90°	SEFCOR	WSFFT90-58-4A
B73	13	END BELL, 2" IPS ALUM TUBING, WELDED	SEFCOR	WEB-58
B74	18	TEE CONNECTOR, 2" IPS ALUM TUBING TO 2" IPS ALUM TUBING, WELDED	SEFCOR	WFTT-5858
B75	9	TEE CONNECTOR, 636 MCM AAC TO 4/0 AAC, BOLTED	SEFCOR	ACRCT-3413
B76	6	TERMINAL, 2" IPS ALUM TUBING TO 4 HOLE PAD 4" WIDE, WELDED, CENTERFORMED	SEFCOR	WFTC-58-4B
B77	12	TEE CONNECTOR, 2" IPS ALUM TUBING TO 4 HOLE PAD, WELDED	SEFCOR	WTF-3960-4A
B79	11	TERMINAL, 4/0 AAC TO 2 HOLE PAD, WELDED	SEFCOR	WFC-11-2B
B82	12	COUPLER, 2" IPS ALUM TUBING TO 2" IPS ALUM TUBING, WELDED 90 DEGREE	SEFCOR	WLBI90-5858
B90	3	ALUM FLAT BAR, 1/2" X 4" X 14-3/4" SAME AS 5491	WILLIAMS M	6101t61 full round edge bar only
ABOVE GRADE GROUNDING AND STATIC				
B41	35	GROUND CLAMP, 2 PIECE, 1 CONDUCTOR, 7#5 COPPERWELD TO STEEL, TINNED	SEFCOR	GTC-14-SND
B42	16	GROUND CLAMP, 2 PIECE, 2 CONDUCTOR, 7#5 COPPERWELD TO STEEL, TINNED	SEFCOR	GTC2-14-SND
B43	11	TERMINAL, 7#5 COPPERWELD TO 2 HOLE PAD, BOLTED	SEFCOR	FNCT-12-2B
B44	130	7 # 5 COPPER WELD CABLE FOR STRUCTURE GROUNDING 40% DSA	AWG	7#5-01CW
230kV MAJOR EQUIPMENT				
PT	3	230KV, 900KV BIL, POTENTIAL TRANSFORMER, OIL FILLED A. RATIO: 1200/2000:1:1 B. ACCURACY: 0.3 W, X, Y, Z, ZZ	TRENCH	VEOTA245



230/26kV Steelbald T3 Replacement project
JEA

Origination Date:

Material List No: Q-5490

Sheet No: 5 of 5

ITEM	QTY.	DESCRIPTION	MFG.	TYPE OR CAT. NO.
------	------	-------------	------	------------------