

In Design

BIDSHEET

for

**PROJECT : E2114030
DEPOT DR AK RAILROAD RELO-SOA**

Work Request: E2114030

Design No.: 1

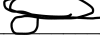
Capital Account: 10729/000/03/7665

Reimbursible Account: / / /


Retirement Account: 10880/326/03/7665

Work Plan No:

Project Type: Relocation-Agency

Reviewed by Designer/Project Engineer:  Date: 3/10/23

Moritz Salvanera

Reviewed by Supervisor/Manager:  Date: 3/21/23

Supervisor

Remarks:

In Design

Project: E2114030
DEPOT DR AK RAILROAD RELO-SOA

Contractor: _____

Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
1/0 SHLD 35KV	0.048					
1/0 SHLD 35KV	5.928					
1000 SHLD 35KV	2.373					
4/0 BACU	2.783					
BORE	1.320					
CLEAN CNDT	0.390					
MANHOURS	120.000					
POLE65/2	1.000					
SE15	2.000					
SE1-5	1.000					
SF4P	1.000					
SF7C	2.000					
SHUR2-5	0.020					
SM2-11	1.000					
STAG-2	2.000					
SUM1	1.000					
SUM1-M	2.000					
SUM5012H	0.016					
SUM5014H	0.346					
SUM5016FR	1.000					
SUM5022H	0.440					
SUM5024H	0.840					
SUM5026H	0.440					
SUM5026P	0.351					
SUM6-10	3.000					
SUM6-15	3.000					
SUM6-1J 1PH	2.000					
SUM6-1J 3PH	4.000					
SUM6-25F 3 PH	1.000					
SUM6-28J 3PH	3.000					
SUM6-28M 3 PH	2.000					

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 Total Extended Labor & Material

In Design

Project: E2114030
DEPOT DR AK RAILROAD RELO-SOA

Contractor: _____

Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
SUM6-3J 1PH	1.000					
SUM6-3J 3PH	2.000					
SUM6-3M 3 PH	2.000					
SUM6-4EL	2.000					
SUME430F4	3.000					
SUME445F4	4.000					
SUME460F4	2.000					
SUME490F3	2.000					
SUME490F5	1.000					
SUME630F5	2.000					
SUME645F5	11.000					
SUME690F5	2.000					
SUMH-814	2.000					
SUMV-1	36.000					
SUMV-1A	24.000					
SUR2-5	0.931					
SURCG	0.400					
SVUC1	1.000					
SVUG7-25	1.000					
SWPPP-BP	1.000					
SZUM3-9FI	2.000					
XUR2-11C	16.000					
XUR2-12	24.000					
XVC7F	2.000					
* 1/0 ACSR 3 PH	0.951					
* 1/0 ACSR Neutral	0.317					
* 1/0 SHLD 35KV	1.665					
* 397 ACSR	2.547					
* 4/0 BACU	0.555					
* POLE50/3	2.000					
* POLE65/2	2.000					

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In Design

Project: E2114030
DEPOT DR AK RAILROAD RELO-SOA

Contractor: _____

Assembly Unit	Proposed Quantity	Actual Quantity	Labor	Material	Labor & Material	Extended Labor & Material
* POLE70/2	3.000					
* SE1-5	5.000					
* SF4P	5.000					
* SM2-15	1.000					
* SM3-15	1.000					
* SM5-9B	1.000					
* STAG-2	2.000					
* SUM1B	1.000					
* SUM1-CA	1.000					
* SUM1F	1.000					
* SUM6-1J 1PH	2.000					
* SUM6-1J 3PH	3.000					
* SUM6-25F 3 PH	1.000					
* SUM6-25J 1PH	1.000					
* SUM6-25J 3PH	2.000					
* SUM6-28J 3PH	1.000					
* SUM6-6	1.000					
* SUME445F4	2.000					
* SUME490F4	1.000					
* SUME490P4	2.000					
* SUME690F5	1.000					
* SVC7A	1.000					
* SVUA2	1.000					
* SVUC1	4.000					
* SZUG17A-75	1.000					
* VC1-2	5.000					
* VC8-2	1.000					
* VM5-2	2.000					
* VM5-5	4.000					
* XVC7F	1.000					
* SUM5024P	0.155					

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RIGHT-OF-WAY REPORT

WORK ORDER NO. E2114030

DATE: March 15, 2023

SUBJECT: Depot Dr. AK Railroad Relo-SOA
Relocation OH 35kV Circuit – ARRC's Warehouse

Easements:

- (X) 1. ARRC Contract No. 20172, Facility I.D. Nos. 3, 4, 5, 6 and 7
- (X) 2. ARRC Contract No. 20516 (Substation 9)

Permits:

- 1. AKRR Permit Modification required. Application submitted March 15, 2023 (fees **3/20/23** waived by ARRC)

Note: CEA contractor is to apply for Temporary Construction Permit, Parts 1 and 2 and pay fees per ARRC


- (X) 2. Wetlands permit not required.

Clearing:

- (X) 1. None required.

Notice Of Construction Letters:

- (X) 1. NOC letters are not required.



Deanna Kilburn
ROW Agent III

**In Design
STAKING SHEET**


**for
PROJECT: E2114030**

DEPOT DR AK RAILROAD RELO-SOA

Work Request: E2114030
Design: 1
Capital Account: 10729/000/03/7665
Reimbursible Account: / / /
Retirement Account: 10880/326/03/7665
Work Plan No:
Project Type: Relocation-Agency
Work Order Number: RELO OH 35KV CIRCUIT ARR'S W

Reviewed by Designer/Project Engineer:  Date: 3/10/23

Moritz Salvanera

Reviewed by Supervisor/Manager:  Date: 3/21/23

Supervisor

Remarks:

ALL INSTALLATIONS WITHIN THE ARRC RIGHT-OF-WAY SHALL CONFORM TO THE ARRC TECHNICAL STANDARDS FOR UTILITY FACILITIES.

Chugach Electric Association
5601 Electron Drive
Anchorage, AK 99518

Designer _____ Date ___/___/___

Checker _____ Date ___/___/___

Manager _____ Date ___/___/___

Project: E2114030

Design: 1

In Design

DEPOT DR AK RAILROAD RELO-SOA

Grid:

Structure: 000. GENERAL

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
MANHOURS	Install	0	120	MANHOURS (MANHOUR OF LABOR)		
SWPPP-BP	Install	0	1	SWPPP-BP (STORM WATER PLAN - BP)		

Remarks:

Structure: 001. SC 1187

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
STAG-2	Install	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM1-M	Install	0	1	SUM1-M (PAD, VISTA 422 35KV)		
SUM6-3J 3PH	Install	0	1	DEAD BREAK ELBOW 1/0 35KV		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME445F4	Install	0	1	SUME445F4 (4" FG 45 48")		
SZUM3-9FI	Install	0	1	SWITCH CABINET, VISTA 422 35KV		
STAG-2	Remove	0	1	STAG-2 (PRIMARY CABLE TAG)		

Remarks: -SEE W.L. 004 FOR INSTALL OF 1000 SHLD
-STAG-2 ISSUED FOR RETAGGING 1000 SHLD IN VAULT 27C

Structure: 002. PM 0565 (17B)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Install	3	350	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Install	1	350	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
CLEAN CNDT	Install	1	195	CLEAN CNDT (MANDREL & SWAB)		
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5014H	Install	1	155	SUM5014H - Conduit ((1) 4" HDPE CONDUIT)		
SUM6-10	Install	0	3	SUM6-10 (200A BUSHING CAP)		
SUM6-15	Install	0	3	SUM6-15 (200A PARKING STAND)		
SUM6-1J 3PH	Install	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUM6-1J 3PH	Install	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUME430F4	Install	0	1	SUME430F4 (4" FG 30 48")		
SUME490F5	Install	0	1	SUME490F5 (4" FG 90 60")		
SUR2-5	Install	1	150	SUR2-5 (PRIMARY TRENCH)		
SUM5014P	Existing	1	195	SUM5014P - Conduit ((1) 4" PVC CONDUIT)		

Remarks: -EXISTING CONDUIT AND TRANSFORMER INSTALLED UNDER M&LP W.O. P0900024
-SUME430F4 ISSUED FOR GRADE CHANGE BETWEEN SC 1187 AND PM 0565 (17B)
-SUME490F5 ISSUED TO INTERCEPT EXISTING CONDUIT RUN
-JOINT TRENCH WITH W.L. 004
-ESTABLISH N.O. TO PM 8175 (87B)

Structure: 003. VAULT 9664

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Install	3	300	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Install	1	300	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
CLEAN CNDT	Install	1	195	CLEAN CNDT (MANDREL & SWAB)		
SUM5014H	Install	1	105	SUM5014H - Conduit ((1) 4" HDPE CONDUIT)		
SUM6-28J 3PH	Install	0	1	1/0 PRIMARY SPLICE - 35KV		
SUM6-28M 3 PH	Install	0	1	1000 PRIMARY SPLICE - 35KV		
SUME445F4	Install	0	2	SUME445F4 (4" FG 45 48")		
SUMH-814	Install	0	1	Pull Vault - 8x14x8		
SUMV-1	Install	0	12	CABLE RACK RAO8 & STANCHION		
SUMV-1A	Install	0	12	CABLE RACK RAO8		
SUR2-5	Install	1	105	SUR2-5 (PRIMARY TRENCH)		
XUR2-11C	Install	0	8	XUR2-11C (DRAIN ROCK)		
XUR2-12	Install	0	12	XUR2-12 (EXPORT)		
SUM5014P	Existing	1	195	SUM5014P - Conduit ((1) 4" PVC CONDUIT)		

Remarks: - DRAIN ROCK AND EXPORT FOR WORKING IN WET AREA
-JOINT TRENCH WITH W.L. 004

Structure: 004.SC 1187

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1000 SHLD 35KV	Install	3	255	1000 SHLD 35KV 3PH		
4/0 BACU	Install	1	255	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SHUR2-5	Install	1	10	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
SUM5026P	Install	1	255	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM6-3M 3 PH	Install	0	1	DEAD BREAK ELBOW 1000 MCM 35KV 3 PH		
SUME630F5	Install	0	2	SUME630F5 (6" FG 30 60")		

Chugach Electric Association 5601 Electron Drive Anchorage, AK 99518	Designer/Project Engineer	_____	Date	___/___/___
	Checker	_____	Date	___/___/___
	Manager/Supervisor	_____	Date	___/___/___

Project: E2114030

Design: 1

In Design

DEPOT DR AK RAILROAD RELO-SOA

Grid:

Structure: 004.SC 1187

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")		
SUME645F5	Install	0	3	SUME645F5 (6" FG 45 60")		
SUR2-5	Install	1	255	SUR2-5 (PRIMARY TRENCH)		

Remarks: -SHUR2-5 ISSUED FOR PULLING EXISTING 1000 SHLD OFF POLE 96I AND LANDING IN SC X1
 *** RETURN TO VAULT 9664***

Structure: 005. VAULT 9680

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Install	3	440	1/0 SHLD 35KV COPPER 3PH		
1000 SHLD 35KV	Install	3	440	1000 SHLD 35KV 3PH		
4/0 BACU	Install	1	440	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
4/0 BACU	Install	1	440	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
BORE	Install	1	440	BORE		
BORE	Install	1	440	BORE		
BORE	Install	1	440	BORE		
SUM5022H	Install	1	440	SUM5022H - Conduit ((2) 2" HDPE CONDUIT)		
SUM5024H	Install	1	440	SUM5024H - Conduit ((2) 4" HDPE CONDUIT)		
SUM5026H	Install	1	440	SUM5026H - Conduit ((2) 6" HDPE CONDUIT)		
SUM6-28J 3PH	Install	0	1	1/0 PRIMARY SPLICE - 35KV		
SUM6-28J 3PH	Install	0	1	1/0 PRIMARY SPLICE - 35KV		
SUM6-28M 3 PH	Install	0	1	1000 PRIMARY SPLICE - 35KV		
SUMH-814	Install	0	1	Pull Vault - 8x14x8		
SUMV-1	Install	0	24	CABLE RACK RAO8 & STANCHION		
SUMV-1A	Install	0	12	CABLE RACK RAO8		
XUR2-11C	Install	0	8	XUR2-11C (DRAIN ROCK)		
XUR2-12	Install	0	12	XUR2-12 (EXPORT)		

Remarks: -SUM5026H USED TO REPRESENT CONTRACTOR SUPPLIED 8" HDPE
 -BORE 1: (1) 8"HDPE, BORE 2: (1) 8" HDPE, BORE 3: (2) 4" HDPE & (2) 2" HDPE
 -DRAIN ROCK AND EXPORT FOR WORKING IN WET AREA

Structure: 006. PM 8175 (87B)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Install	3	400	1/0 SHLD 35KV COPPER 3PH		
1/0 SHLD 35KV	Install	3	400	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Install	1	400	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
4/0 BACU	Install	1	400	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM5024H	Install	1	400	SUM5024H - Conduit ((2) 4" HDPE CONDUIT)		
SUM6-1J 3PH	Install	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUM6-1J 3PH	Install	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUME430F4	Install	0	2	SUME430F4 (4" FG 30 48")		
SUME460F4	Install	0	2	SUME460F4 (4" FG 60 48")		
SUME490F3	Install	0	2	SUME490F3 (4" FG 90 36")		
SUR2-5	Install	1	400	SUR2-5 (PRIMARY TRENCH)		
SURCG	Install	1	400	SURCG (GRAVEL ROAD CROSSING)		

Remarks: -SEE W.L. 111 FOR RETIREMENT UNITS
 *** RETURN TO VAULT 9680***

Structure: 007. SC 1186

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Install	3	86	1/0 SHLD 35KV COPPER 3PH		
1000 SHLD 35KV	Install	3	86	1000 SHLD 35KV 3PH		
4/0 BACU	Install	1	86	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
4/0 BACU	Install	1	86	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM1-M	Install	0	1	SUM1-M (PAD, VISTA 422 35KV)		
SUM5014H	Install	1	86	SUM5014H - Conduit ((1) 4" HDPE CONDUIT)		
SUM5026P	Install	1	86	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM6-3J 1PH	Install	0	1	DEAD BREAK ELBOW 1/0 35KV		
SUM6-3J 3PH	Install	0	1	DEAD BREAK ELBOW 1/0 35KV		
SUM6-3M 3 PH	Install	0	1	DEAD BREAK ELBOW 1000 MCM 35KV 3 PH		
SUM6-4EL	Install	0	1	3-PH UG CURNT RESET FI, 600A TRIP		
SUME445F4	Install	0	1	SUME445F4 (4" FG 45 48")		
SUME645F5	Install	0	4	SUME645F5 (6" FG 45 60")		
SZUM3-9FI	Install	0	1	SWITCH CABINET, VISTA 422 35KV		

Remarks:

Chugach Electric Association 5601 Electron Drive Anchorage, AK 99518	Designer/Project Engineer _____ Date ____/____/____
	Checker _____ Date ____/____/____
	Manager/Supervisor _____ Date ____/____/____

Project: E2114030

Design: 1

In Design

DEPOT DR AK RAILROAD RELO-SOA

Grid:

Structure: 008. POLE 9981 (98A)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1000 SHLD 35KV	Install	3	10	1000 SHLD 35KV 3PH		
4/0 BACU	Install	1	10	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
POLE65/2	Install	0	1	POLE65/2 (POLE, 065 CLASS 2)		
SE15	Install	0	1	SE15 (DOWN GUY, DBL. 32M)		
SE15	Install	0	1	SE15 (DOWN GUY, DBL. 32M)		
SF7C	Install	0	1	SF7C (ANCHOR, 7" CONCRETE)		
SF7C	Install	0	1	SF7C (ANCHOR, 7" CONCRETE)		
SM2-11	Install	0	1	SM2-11 (POLE GROUNDING ASSY)		
SUM5016FR	Install	0	1	FIRST 10FT SPARE EMPTY 6" FG RISER		
SUM5026P	Install	1	10	SUM5026P - Conduit ((2) 6" PVC CONDUIT)		
SUM6-25F 3 PH	Install	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F5	Install	0	2	SUME690F5 (6" FG 90 60")		
SUR2-5	Install	1	10	SUR2-5 (PRIMARY TRENCH)		
SVUC1	Install	0	1	SVUC1 (THREE PHASE TP-25KV)		
XVC7F	Install	0	1	XVC7F (FIBERGLASS SINGLE DEADEND)		
POLE65/2	Remove	0	1	POLE65/2 (POLE, 065 CLASS 2)		
SM5-9B	Remove	0	1	CUTOUT ASSEMBLY LOAD BREAK XRM MT		
SUM6-25J 1PH	Remove	0	1	PRIMARY TERMINATION 1/0 35KV		
SVUA2	Remove	0	1	SVUA2 (1 PH RISER ON 3 PH OH LINE-25KV)		

Remarks: -XVC7F USED AS PLACEHOLDER FOR 35KV FRAMING. SEE SZC7A DRAWING FOR FRAMING CONSTRUCTION DETAILS & MATERIAL LIST.
 -SVUC1 336 ACSR USED AS PLACEHOLDER FOR 35KV RISER. SEE SZUC3 DRAWING FOR RISER CONSTRUCTION DETAILS & MATERIAL LIST.
 -SVUA2 336 ACSR USED TO REPRESENT RETIREMENT OF SINGLE PHASE RISER. 20T FUSE TO REPRESENT 10K FUSE RETIREMENT.
 -SUM6-25F (750 MCM) USED AS PLACEHOLDER FOR 35KV TERMINATION FOR 1000MCM
 -SEE W.L. 111. POLE 9981(98A) FOR ADDITIONAL RETIREMENT UNITS.
 -5' SEPARATION ON SF7C
 *** RETURN TO SC X2***

Structure: 009. PM 9980

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Install	3	16	1/0 SHLD 35KV COPPER		
4/0 BACU	Install	1	16	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SHUR2-5	Install	1	5	SHUR2-5 (PRIMARY TRENCH HAND -DIG)		
STAG-2	Install	0	1	STAG-2 (PRIMARY CABLE TAG)		
SUM1	Install	0	1	SUM1 (CONCRETE PAD 1 PH XFMR)		
SUM5012H	Install	1	16	SUM5012H - Conduit ((1) 2" HDPE CONDUIT)		
SUM6-1J 1PH	Install	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUM6-1J 1PH	Install	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUR2-5	Install	1	11	SUR2-5 (PRIMARY TRENCH)		
SVUG7-25	Install	0	1	SVUG7-25 (XFMR, PM, 25 KVA, 1 PH, LOOP)		
STAG-2	Remove	0	1	STAG-2 (PRIMARY CABLE TAG)		

Remarks: -SVUG7-25 USED AS A PLACEHOLDER FOR 35KV 1Ø 25 KVA PM.
 -PULL SINGLE PHASE RISER OFF POLE 9981 (98A) AND LAND IN PM 9980
 -JOINT TRENCH WITH W.L. 007
 -STAG-2 ISSUED FOR RETAGGING 1/0 SHLD IN PM 62A

Structure: 100. POLE 9956 (96H)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SE1-5	Install	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SF4P	Install	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		
XVC7F	Install	0	1	XVC7F (FIBERGLASS SINGLE DEADEND)		
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SF4P	Remove	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		
VC1-2	Remove	0	1	VC1-2 (Single Support on X-arm (Tangent)(Large Conductors))		

Remarks: -VC1-2 TO REPRESENT 35KV TANGENT FRAMING WITH DEADENED NEUTRAL.
 -XVC7F USED AS PLACEHOLDER FOR 35KV FRAMING. SEE SZC7A DRAWING FOR FRAMING CONSTRUCTION DETAILS & MATERIAL LIST.

Structure: 101. POLE 961

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
397 ACSR	Remove	3	20	397 ACSR OH PRIMARY CONDUCTOR		
POLE70/2	Remove	0	1	POLE70/2 (POLE, 070 CLASS 2)		
SM2-15	Remove	0	1	SM2-15 (GROUNDING ASSY. FOR AIR SWITCH)		
SM3-15	Remove	0	1	SM3-15 (AIR BREAK SWITCH)		

Chugach Electric Association	Designer/Project Engineer	_____	Date	___/___/___
5601 Electron Drive	Checker	_____	Date	___/___/___
Anchorage, AK 99518	Manager/Supervisor	_____	Date	___/___/___

Project: E2114030

Design: 1

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DEPOT DR AK RAILROAD RELO-SOA

Grid:

Structure: 101. POLE 96L

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-25F 3 PH	Remove	0	1	SUM6-25F (750 MCM PRIMARY TERMINATION)		
SUME690F5	Remove	0	1	SUME690F5 (6" FG 90 60")		
SVUC1	Remove	0	1	SVUC1 (THREE PHASE TP-25KV)		
XVC7F	Remove	0	1	XVC7F (FIBERGLASS SINGLE DEADEND)		

Remarks: -NEUTRAL UNIT ISN'T WORKING SO I FACTORED NEUTRAL UNIT INTO PRIMARY
 -70C2 USED TO REPRESENT 70C5.
 -SVUC1 336 ACSR USED AS PLACEHOLDER FOR 35KV RISER
 - SM3-15 USED TO REPRESENT 35KV AIR BREAK SWITCH
 -SUM6-25F (750 MCM) USED AS PLACEHOLDER FOR 35KV TERMINATION FOR 100MCM
 -XVC7F USED AS PLACEHOLDER FOR 35KV FRAMING

Structure: 102. POLE 96L

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
397 ACSR	Remove	3	173	397 ACSR OH PRIMARY CONDUCTOR		
POLE70/2	Remove	0	1	POLE70/2 (POLE, 070 CLASS 2)		
SUM6-25J 3PH	Remove	0	1	PRIMARY TERMINATION 1/0 35KV		
SUME490P4	Remove	0	1	SUME490P4 (4" PVC 90 48")		
SVUC1	Remove	0	1	SVUC1 (THREE PHASE TP-25KV)		
VC1-2	Remove	0	1	VC1-2 (Single Support on X-arm (Tangent)(Large Conductors))		

Remarks: -NEUTRAL UNIT ISN'T WORKING SO I FACTORED NEUTRAL UNIT INTO PRIMARY
 -VC1-2 TO REPRESENT 35KV FRAMING
 -SVUC1 TO REPRESENT 35KV 3Ø RISER
 -SEE W.L. 105 FOR MORE RETIREMENT UNITS

Structure: 103. PM 96M

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Remove	3	5	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Remove	1	5	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM1B	Remove	0	1	SUM1B (CONCRETE PAD 3 PH XFMR)		
SUM6-1J 3PH	Remove	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUM6-1J 3PH	Remove	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SZUG17A-75	Remove	0	1	SZUG17A-75 (XFMR, PM, 75 KVA, 3PH, LOOP)		

Remarks:

Structure: 104. PM 0565 (17B)

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Remove	3	200	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Remove	1	200	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM6-1J 1PH	Remove	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUM6-1J 1PH	Remove	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		

Remarks:

Structure: 105. POLE 96L

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
1/0 SHLD 35KV	Remove	3	195	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Remove	1	195	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM6-25J 3PH	Remove	0	1	PRIMARY TERMINATION 1/0 35KV		
SUME490P4	Remove	0	1	SUME490P4 (4" PVC 90 48")		
SVUC1	Remove	0	1	SVUC1 (THREE PHASE TP-25KV)		

Remarks:

Structure: 106. POLE 97B

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
397 ACSR	Remove	3	140	397 ACSR OH PRIMARY CONDUCTOR		
POLE65/2	Remove	0	1	POLE65/2 (POLE, 065 CLASS 2)		
VC1-2	Remove	0	1	VC1-2 (Single Support on X-arm (Tangent)(Large Conductors))		

Remarks: -NEUTRAL UNIT ISN'T WORKING SO I FACTORED NEUTRAL UNIT INTO PRIMARY
 -VC1-2 TO REPRESENT 35KV FRAMING

Structure: 107. POLE 98B

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
397 ACSR	Remove	3	276	397 ACSR OH PRIMARY CONDUCTOR		
POLE70/2	Remove	0	1	POLE70/2 (POLE, 070 CLASS 2)		
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SF4P	Remove	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		

Chugach Electric Association	Designer/Project Engineer	_____	Date	___/___/___
5601 Electron Drive	Checker	_____	Date	___/___/___
Anchorage, AK 99518	Manager/Supervisor	_____	Date	___/___/___

Project: E2114030 Design: 1

In Design

DEPOT DR AK RAILROAD RELO-SOA

Grid:

Structure: 107. POLE 98B

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
SVC7A	Remove	0	1	SVC7A (XARM SINGLE DEADEND)		
VC1-2	Remove	0	1	VC1-2 (Single Support on X-arm (Tangent)(Large Conductors))		

Remarks: -NEUTRAL UNIT ISN'T WORKING SO I FACTORED NEUTRAL UNIT INTO PRIMARY
 -SVC7A USED TO REPRESENT 35KV FOR BUCK ARM FRAMING
 -VC1-2 USED TO REPRESENT 35KV FOR TANGENT FRAMING

Structure: 108. POLE 98C

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
1/0 ACSR 3 PH	Remove	3	195	1/0 ACSR 3 PH (OH PRIMARY CONDUCTOR)		
1/0 ACSR Neutral	Remove	1	195	1/0 ACSR Neutral		
POLE50/3	Remove	0	1	POLE50/3 (POLE, 050 CLASS 3)		
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SF4P	Remove	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		
SF4P	Remove	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		
VC8-2	Remove	0	1	VC8-2 (XARM DBL.D.E.LARGE CNDCTR)		
VM5-2	Remove	0	2	VM5-2 (Single Support - Miscellaneousellaneous)		
VM5-5	Remove	0	4	VM5-5 (Single Support - Miscellaneousellaneous)		

Remarks:

Structure: 109. POLE 87E

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
1/0 ACSR 3 PH	Remove	3	122	1/0 ACSR 3 PH (OH PRIMARY CONDUCTOR)		
1/0 ACSR Neutral	Remove	1	122	1/0 ACSR Neutral		
POLE50/3	Remove	0	1	POLE50/3 (POLE, 050 CLASS 3)		
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SF4P	Remove	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		
SUME490F4	Remove	0	1	SUME490F4 (4" FG 90 48")		
SVUC1	Remove	0	1	SVUC1 (THREE PHASE TP-25KV)		

Remarks: -SVUC1 TO REPRESENT 35KV 3Ø RISER

Structure: 110. PP 87F

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
1/0 SHLD 35KV	Remove	3	65	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Remove	1	65	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM1-CA	Remove	0	1	SUM1-CA (SUM1F METAL PAD COVERING)		
SUM1F	Remove	0	1	SUM1F (CONCRETE PAD 600 A SWITCH CAB.)		
SUM6-28J 3PH	Remove	0	1	1/0 PRIMARY SPLICE - 35KV		
SUM6-6	Remove	0	1	SUM6-6 (GROUNDING ASSY)		
SUME445F4	Remove	0	2	SUME445F4 (4" FG 45 48")		
SUM5024P	Abandon	1	65	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		

Remarks:

Structure: 111. PM 8175 (87B)

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
1/0 SHLD 35KV	Remove	3	90	1/0 SHLD 35KV COPPER 3PH		
4/0 BACU	Remove	1	90	4/0 BACU Wire (4/0 BARE COPPER NEUTRAL)		
SUM6-1J 3PH	Remove	0	1	LOAD BREAK ELBOW TERMINATION 1/0 35KV		
SUM5024P	Abandon	1	90	SUM5024P - Conduit ((2) 4" PVC CONDUIT)		

Remarks: ***RETURN TO POLE 98B***

Structure: 112. POLE 9981 (98A)

<u>Assembly Unit</u>	<u>Activity</u>	<u>#Cond</u>	<u>Qty</u>	<u>Unit Description</u>	<u>Complete</u>	<u>Qty</u>
397 ACSR	Remove	3	240	397 ACSR OH PRIMARY CONDUCTOR		
VC1-2	Remove	0	1	VC1-2 (Single Support on X-arm (Tangent)(Large Conductors))		

Remarks: -NEUTRAL UNIT ISN'T WORKING SO I FACTORED NEUTRAL UNIT INTO PRIMARY
 -VC1-2 TO REPRESENT 35KV FRAMING

Chugach Electric Association	Designer/Project Engineer	_____	Date	___/___/___
5601 Electron Drive	Checker	_____	Date	___/___/___
Anchorage, AK 99518	Manager/Supervisor	_____	Date	___/___/___

MATERIAL ISSUE TICKET

Project : E2114030

DEPOT DR AK RAILROAD RELO-SOA

In Design

Work Request: E2114030

Design : 1

Capital Account: 10729/000/03/7665
 Reimbursible Account: / / /
 Retirement Account: 10880/326/03/7665

Brad Jackson 3/21/23

Description	Part Number	Quantity Orderd	Issued
Inventory			
ANCHOR, CONCRETE 7FT (FAI-7X)	000000053	2	_____
DEAD-END, TEE 3/4"	000000156	1	_____
BOLT, DA (5) 7/8X36	000000230	3	_____
POLE, BRACE CROSSARM 28" WOOD	000000314	1	_____
POLE, BRACE CROSSARM 60" WOOD	000000315	1	_____
FASTENER, BRACKET CONDUIT STANDOFF	000000322	3	_____
FASTENER, BRACKET CONDUIT STANDOFF W/BRACE	000000323	1	_____
WIRE, AL JCN 15KV 750MCM EPR	000000346	115	_____
WIRE, AL JCN 25KV #1/0 XLPE	000000348	75	_____
WIRE, CU SHLD 35KV 1000MCM EPR .420MIL (ON STEEL REEL)	000000354	2,611	_____
WIRE, CU SDB #004 STR	000000375	20	_____
WIRE, CU SDB #02 STR	000000376	45	_____
WIRE, CU SDB #4/0 STR (19 STR.)	000000378	3,202	_____
DEAD-END, AUTO 12.5M/16M ALUMOWELD (7#87#9)	000000817	5	_____
DEAD-END, DE AUTO FEEDTHRU 002 ACSR	000000819	2	_____
DEAD-END, PREFORM 16M ALUMOWELD (7#8)	000000874	5	_____
CLEVIS, SWINGING 3"	000000950	2	_____
CLEVIS, THIMBLE 5/8" 20K	000000953	1	_____
CLEVIS, THIMBLE 3/4" 40K	000000954	2	_____
ANCHOR, SHACKLE 3/4"	000000956	2	_____
ANCHOR, SHACKLE 7/8"	000000958	2	_____
LUG, COMP LUG AL 2H 750	000001515	3	_____
FASTENER, CLAMP GROUND ROD 3/4"	000001532	2	_____
CONNECTOR, UG CONN BLOCK XFMR NEUT 05/8" STUD SET SCREW	000001592	1	_____
CONNECTOR, UG CONN BLOCK XFMR SEC 6 POS SET SCREW	000001601	2	_____
POLE, CROSSARM DIST 08' 3 5/8" X 4 5/8"	000001616	2	_____
POLE, CROSSARM DOUBLE D.E. ASS'Y 10' 4 WIRE	000001619	2	_____
LINE, GAIN CROSSARM BRACELESS	000002515	1	_____
GUY, GUARD PLASTIC	000002750	5	_____
CLEVIS, SPOOL 3"	000003311	2	_____
DEAD-END, DE INSUL EPOX 15/26KV	000003329	6	_____
PAD, CONC. SUM1 1 PHASE XFMR PAD, J-BOX	000003742	1	_____
POLE, 065 CLASS 2	000003881	1	_____
ANCHOR, ROD TW EYE 1" X 10'	000004049	4	_____
ANCHOR, ROD TW EYE 03/4" X 8'	000004050	1	_____
LINE, GROUND ROD 3/4" X 8'	000004067	2	_____
CONDUIT, GRC 4"	000004151	10	_____
CONDUIT, PVC 4"	000004158	20	_____
CONDUIT, PVC 6"	000004160	773	_____
CONDUIT, HDPE 2"	000004161	986	_____
CONDUIT, FG EL 90 DEG 4" 36" RADI	000004168	2	_____
CONDUIT, FG EL 90 DEGREE 4" 60" RADI	000004170	1	_____
CONDUIT, FG EL 90 DEG 6" 60" RADI	000004173	2	_____
CONDUIT, FG EL 45 DEGREE 4" 48" RADI	000004183	4	_____
CONDUIT, FG EL 45 DEG 6" 60" RADI	000004185	11	_____
CONDUIT, CLAMP GROUND 4"	000004211	1	_____

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___

P.O. No. _____

Issued By _____ Received By _____

Date ___/___/___

Contractor _____

Special Notes:

MATERIAL ISSUE TICKET

Project : E2114030

DEPOT DR AK RAILROAD RELO-SOA

In Design

Work Request: E2114030

Design : 1

Capital Account: 10729/000/03/7665
 Reimbursible Account: / / /
 Retirement Account: 10880/326/03/7665

Brad Jackson 3/21/23

Description	Part Number	Quantity Orderd	Issued
CONDUIT, CHANNEL PIPE STRAP 4"	0000004241	4	_____
CONDUIT, CHANNEL PIPE STRAP 6"	0000004242	2	_____
KIT, PRIMARY SPLICE JACKET KIT #02-4/0	0000004506	9	_____
LINE, BRACKET CABLE SUPPORT	0000004646	9	_____
KIT, PRIMARY TERM 15KV 750MCM JCN	0000004773	3	_____
BUSHING, UG ACCES 08/15KV INSERT BSHG CAP	0000004793	3	_____
BUSHING, UG ACCES 15/26KV INSERT BSHG CAP	0000004794	1	_____
TRANSFORMER, 0025 KVA PM 1/PH 14.4/24.9 120/240	0000004947	1	_____
ANCHOR, ROD WASHER SQ 4" X 4" X 1 1/8"	0000005115	4	_____
GUY, WIRE GUY 16M ALUMOWELD (7#8)	0000005157	295	_____
BUSHING, UG ACCES 08/15KV PARKING STAND	0000005227	3	_____
SHRINK, CABLE SEALER COLD SHRINK 2/0-1000 MCM	0000011586	6	_____
CONDUIT, HDPE 4"	0000011877	2,229	_____
CONDUIT, HDPE 6"	0000011888	968	_____
SHRINK, CABLE SEALER COLD SHRINK 2-4/0	0000012084	21	_____
WIRE, CU, COVERED TAP, #2	0000012097	15	_____
CONDUIT, PLUG, TRIPLEX (4/0 15KV CONC), 4" DUCT	0000012322	1	_____
DEAD-END, D.E. WEDGE, CLEVIS, ACSR 04-1/0	0000012475	6	_____
DEAD-END, DE TEE 7/8"	0000012491	2	_____
CONDUIT, PLUG, BLANK, 6"	0000012526	1	_____
LINE, UG INDICATOR FAULT CURRENT RESET 600A TRIP (350-750 KCMIL)	0000013367	2	_____
ANCHOR, CROSSPLATE 24",5/8"-3/4" ROD	0000014008	1	_____
CONDUIT, FG EL 30 DEG 4" 48" RADIUS	0000014433	3	_____
CONDUIT, FG EL 60 DEG 4" 48" RADIUS	0000014434	2	_____
CONDUIT, FG EL 30 DEG 6" 60" RADI	0000015050	2	_____
GUY, ATTACHMENT CONNECTING LINK, TWISTED	0000015244	4	_____
GUY, ATTACHMENT ROLLER	0000015246	4	_____
WIRE, CU SHLD 35KV 1000MCM EPR .420MIL (ON STEEL REEL)	0000016219	150	_____
Cable Rack, Stanchion, Underground Devices CR12-B	0000017446	60	_____
Cable Rack, 8", Underground Devices RA08	0000017447	60	_____
Concrete Anchor, 303 stainless steel, 1/2-13	0000017451	60	_____
Washer, 1-1/4 round, flat, 9/16" hole, 316 stainless	0000017452	60	_____
Bolt, Cap Screw, 1/2"-13 x 1-3/8, 316 stainless steel	0000017453	60	_____
Pull Vault, manhole cover, UV 57-CLX-42C (1350 lbs.)	0000017590	2	_____
Pull Vault, riser, UV 814-48R-UFER (1380 lbs.)	0000017591	4	_____
Pull Vault, base, UV 814-SB-UFER (18000 lbs.)	0000017592	2	_____
Pull Vault, top section, UV 814-TEE-CLS (7060 lbs.)	0000017593	2	_____
Pull Vault, cover, UV 57-CLX-42S (2300 lbs)	0000017594	2	_____
Pull Vault, 6 Riser UV 4206	0000017595	2	_____
Frame Vault, manhole, UV 4240-HD (680 lbs.)	0000017596	2	_____
Cover, manhole, UV 4220-S (600 lbs.)	0000017597	2	_____
Pull Vault, 4 Riser UV 4204	0000017712	2	_____
CONDUIT, FG 6"	0000019880	10	_____
CONDUCTOR, 35kv 1/0	M23820	7,099	_____
SPLICE, 35kv 1/0 MOLDED RUBBER	M31820	9	_____
SPLICE, 35kv 750-1000 HEAT SHRINK KIT W/ JACKET REPAIR	M31850	6	_____
PLUG, INSULATING 35KV 600A	M33740	6	_____

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___

P.O. No. _____

Issued By _____ Received By _____

Date ___/___/___

Contractor _____

Special Notes:

MATERIAL ISSUE TICKET

Project : E2114030

DEPOT DR AK RAILROAD RELO-SOA

In Design

Work Request: E2114030

Design : 1

Capital Account: 10729/000/03/7665
 Reimbursible Account: / / /
 Retirement Account: 10880/326/03/7665

Brad Jackson 3/21/23

Description	Part Number	Quantity	Orderd	Issued
TERMINATION, 35KV ELBOW, 200A L.B.	M34222	14		
TERMINATION, 35KV ELBOW, 600A	M34600	13		
35KV INSULATED PLUG W/ CAP, 600A	M34640	6		
35KV 1/0 CABLE ADAPTER	M34720	7		
35kV, 1000 cable adapter, 420mil	M34780	6		
1/0 COMPRESSION LUG	M34800	7		
35KV VISTA SWITCH - 600A 4-WAY	M38335	2		
MC17 TYPE 2 PAD	M41700	2		

Non-Inventory

BLUE & GREEN CEA DECAL NON INV	0000010321	1		
WEDGE ANCHOR .5 X 2.75 NON-INV	0000010657	2		

Remarks: The following are items for SZUC3and SZC7A.

MATERIAL LIST				
Item	Quantity		CEA Part Number	Description
	SZUC3	SZUC3L		
1	7	8	-	BOLT, MACHINE, 5/8" x REQ'D LENGTH
2	AR	AR	-	LOCKNUT, 5/8"
3	6	6	M52570	COMPRESSION TERMINAL CONNECTOR, 397kcmil ACSR W/BOLTS
4	1	1	M13640	BRACE, CROSS ARM, STEEL 18" DROP, 60" SPAN
5	AR	AR	-	LOCKNUT, 1/2"
6	3	3	M35590	TERMINATION, 35kv, OUTDOOR, FOR 1000 MCM CU JCN CONDUCTOR
7	3	3	15860	CABLE SUPPORT BRACKET WITH BOLTS
8	3	3	18950	SURGE ARRESTOR, 35kv, OUTDOOR
9	3	3	-	BRONZE GROUNDING CLAMP, FLAT TO CABLE FOR #4 SOL-300 MCM COPPER WIRE
10	AR	AR	M2390	JUMPER, 397 ACSR
11	3	3	18949	CABLE BRACKET MOUNTING PLATE (FABRICATED)
12	7	8	-	WASHER, 2-1/4" SQUARE, WITH 11/16" HOLE
13	5	6	-	SCREW, LAG, 1/2 x 4"
14	AR	AR	-	CONNECTOR, COMPRESSION, #2 BARE COPPER, SOLID
15	AR	AR	-	STAPLE
16	1	1	-	CROSSARM, 4-5/8" x 5-5/8" x 12'-0" (CONTRACTOR SUPPLIED)
17	25'	35'	19880	FIBERGLASS CONDUIT, 6", HEAVY WALL
18	10	14	M46180	STRAP, CONDUIT
19	5	7	M46130	BRACKET, STAND-OFF, 24" LONG
20	3	3	-	CABLE, TAG
21	AR	AR	M1160	#2 BARE COPPER, SOLID
22	1	1	-	DUXSEAL
23	6	6	-	BRACKET, CROSSARM, NEMA B
24	2	2	-	BOLT, MACHINE, 1/2" x REQ'D LENGTH
25	2	2	-	WASHER, ROUND, 9/16" HOLE 1 3/8"φ
26	AR	AR	-	H-TAP 397 ACSR TO 4/0 COPPER
27	AR	AR	M1180	#4/0 BARE STRANDED COPPER
28	3	3	M52580	COMPRESSION TERMINAL, BIMETALLIC, NEMA 4 HOLE FOR 1000 MCM COPPER CABLE
29	1	1	-	THERMOPLASTIC CAPLUG, 6" IPS
30	2	2	4173	FIBERGLASS SWEEP, HEAVY WALL, 6", 90', 60" RADIUS

MATERIAL LIST				
Item	Quantity		CEA Part Number	Description
	SZC7A			
1	3		M7510	INSULATOR, DEAD END, POLYMER, 35KV
2	2		-	BOLT, MACHINE, 3/4" X REQ'D LENGTH
3	3		-	SHACKLE, ANCHOR, 3/4"
4	1		M13300	FIBERGLASS CROSSARM ASSEMBLY & MTG. HARDWARE
5	3		M5770	COMPRESSION DEADEND, SINGLE TONGUE, 397 ACSR "IBIS"
6	1		-	BOLT, MACHINE, 5/8" X REQ'D LENGTH
7	1		-	BOLT, OVAL EYE, 3/4" X REQ'D LENGTH
8	1		-	WASHER, CURVED, 4" SQ. X 3/8", 13/16" HOLE
9	2		-	WASHER, CURVED, 2 1/4" SQ. X 3/16", 11/16" HOLE
10	2		-	WASHER, CURVED, 2 1/4" SQ. X 3/16", 13/16" HOLE
11	1		-	BOLT, OVAL EYE, 5/8" X REQUIRED LENGTH
12	1		M5770	DEADEND ASSEMBLY, NEUTRAL
13	AR		-	LOCKNUTS, 3/4"
14	AR		-	LOCKNUTS, 5/8"

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___ P.O. No. _____

Issued By _____ Received By _____ Date ___/___/___

Contractor _____

Special Notes:

MATERIAL RETIREMENT TICKET

Project : E2114030
Work Request: E2114030

DEPOT DR AK RAILROAD RELO-SOA

In Design

Design : 1

Capital Account: 10729/000/03/7665
Reimbursible Account: / / /
Retirement Account: 10880/326/03/7665

<u>Description</u>	<u>Part Number</u>	<u>Qty. Retired</u>	<u>Retired</u>
CUTOUT 07.8/13.8KV 100A LB	0000001629	1	_____
15KV 600A S&C OMNI-RUPTER	0000004742	1	_____

Remarks:

Control Number _____

Legal Description _____

Charge for Materials Yes ___ No ___ Sale ___ P.O. No. _____

Issued By _____ Received By _____ Date ____/____/____

Contractor _____

Special Notes:

Manufacturer:
VISTA

Model:
422.11

SC 1186

Serial Number: _____

Notes: _____

DIRECTION
(Reference
to North)

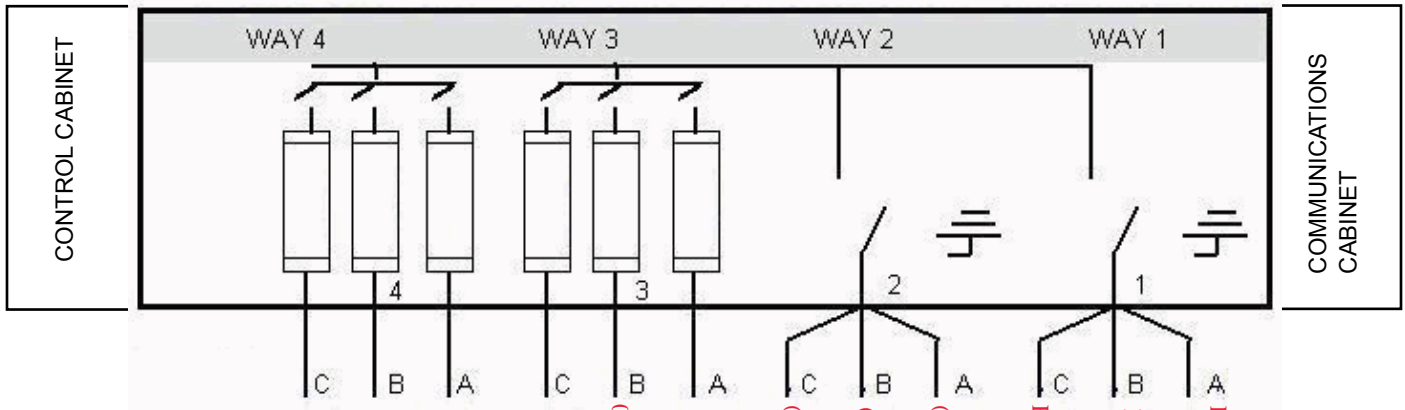
Revised Date: _____

Manufactured Date: _____

Revised WO/JO: _____

Status: _____ Status: _____ Switch #: 14902 Status: CLOSED Switch #: 14903 Status: CLOSED

OPERATOR
SIDE



CABLE CONNECTION
SIDE

TO: _____

CONDUCTOR SIZE: _____

1/0 SHLD WEST TO PM 8175 (87B) THROUGH VAULT 9680
1/0 SHLD WEST TO PM 8175 (87B) THROUGH VAULT 9680
1/0 SHLD WEST TO PM 8175 (87B) THROUGH VAULT 9680
1/0 SHLD WEST TO PM 9980
1000 SHLD NORTH TO POLE 9981 (98A)
1000 SHLD NORTH TO POLE 9981 (98A)
1000 SHLD NORTH TO POLE 9981 (98A)
1000 SHLD SOUTH TO SC X1 THROUGH VAULT 9680 AND 9664
1000 SHLD SOUTH TO SC X1 THROUGH VAULT 9680 AND 9664
1000 SHLD SOUTH TO SC X1 THROUGH VAULT 9680 AND 9664



LOCATION
SOUTH OF SMALL BOAT LAUNCH ROAD IN
ARR PROPERTY

Grid Map Location No.: 1229 - 9980

Inspected by: _____
Install Date: _____
Install Work Order ID: E2114030
Feeder: BKR 630

Manufacturer:
VISTA

Model:
422.11

SC 1187

Serial Number: _____

Notes: _____

DIRECTION
(Reference
to North)

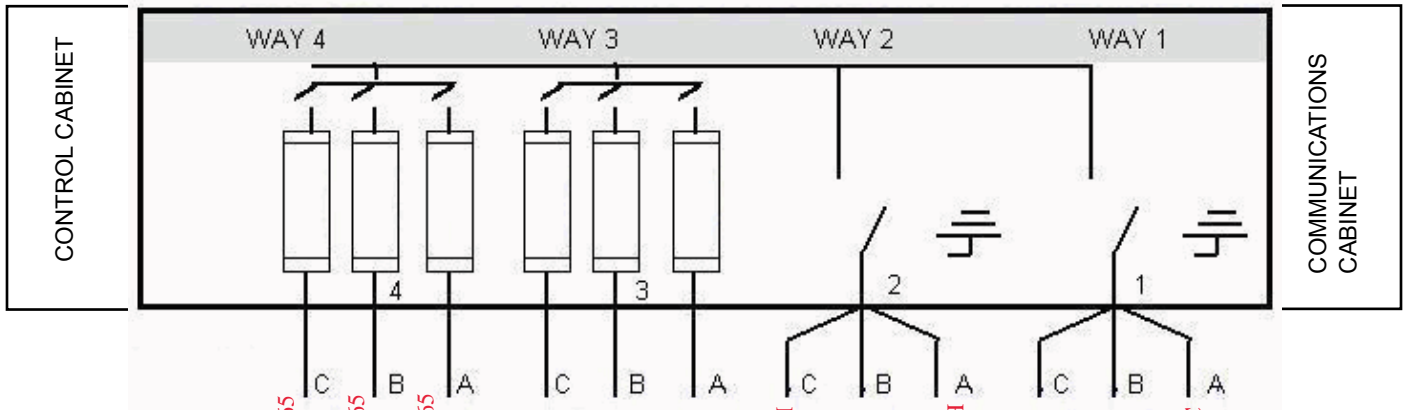
Revised Date: _____

Manufactured Date: _____

Revised WO/JO: _____

Status: _____	Status: _____	Switch #: <u>14904</u>	Switch #: <u>14905</u>
		Status: <u>CLOSED</u>	Status: <u>CLOSED</u>

OPERATOR
SIDE



CABLE CONNECTION
SIDE

TO:

CONDUCTOR
SIZE:

1/0 SHLD NORTH THEN EAST TO PM 0565
 1/0 SHLD NORTH THEN EAST TO PM 0565
 1/0 SHLD NORTH THEN EAST TO PM 0565

1000 SHLD NORTH TO SC X2 THROUGH
VAULT 9664 AND 9680
 1000 SHLD NORTH TO SC X2 THROUGH
VAULT 9664 AND 9680
 1000 SHLD NORTH TO SC X2 THROUGH
VAULT 9664 AND 9680
 1000 SHLD EAST TO VAULT 27C
 1000 SHLD EAST TO VAULT 27C
 1000 SHLD EAST TO VAULT 27C



LOCATION

NORTH OF SC 3500.

Inspected by: _____

Install Date: _____

Install Work

Order ID: E2114030

Grid Map Location No.: 1229 - 9957

Feeder: BKR 630