

Project: E2114030 Design: 1

In Design

**ADDENDUM #2** 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)		
Survey	Install	0	1	Survey (Survey (Direct Cost))		
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)		
De-water Vault	Install	0	1	De-water Vault (De-water Vault Lump Sum Unit)		
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)		

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Anchorage, AK 99518

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Checker \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
Manager/Supervisor \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

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Grid:

**Structure: 004.SC 1187**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SUM6-3M 3 PH	Install	0	1	DEAD BREAK ELBOW 1000 MCM 35KV 3 PH		
SUME630F5	Install	0	2	SUME630F5 (6" FG 30 60")		
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		
De-water Vault	Install	0	1	De-water Vault (De-water Vault Lump Sum Unit)		
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		

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

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DEPOT DR AK RAILROAD RELO-SOA

Grid:

Remarks:

**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)		

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**Structure: 101. POLE 96L**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SM2-15	Remove	0	1	SM2-15 (GROUNDING ASSY. FOR AIR SWITCH)		
SM3-15	Remove	0	1	SM3-15 (AIR BREAK SWITCH)		
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)		

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**Structure: 107. POLE 98B**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
SE1-5	Remove	0	1	SE1-5 (DOWN GUY, SINGLE, 16M)		
SF4P	Remove	0	1	SF4P (ANCHOR,PLATE,16M, 3/4" X 8' RO)		
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**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
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**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
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**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
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)**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
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)**

Assembly Unit	Activity	#Cond	Qty	Unit Description	Complete	Qty
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	___/___/___