

In Construction

BIDSHEET

for

PROJECT : P2000006  
MINNESOTA DR. AT 27TH AVE.

Work Request: P2000006  
Design No.: MINNESOTA DR. AT 27TH AVE.  
Capital Account: 10720/000/03/7665  
Reimbursible Account: / / /  
Retirement Account: 10880/326/03/7665  
Work Plan No:  
Project Type: Relocation-Agency

Reviewed by Designer/Project Engineer:  Date: 5/10/22  
Moritz Salvanera  
Reviewed by Supervisor/Manager:  Date: 5/10/22  
Supervisor

Remarks:

| Assembly Unit | Proposed Quantity | Actual Quantity | Labor | Material | Labor & Material | Extended Labor & Material |
|---------------|-------------------|-----------------|-------|----------|------------------|---------------------------|
| 1/0 CONC 3 PH | 0.810             |                 |       |          |                  |                           |
| 2 BACU        | 0.270             |                 |       |          |                  |                           |
| 4/0 BACU      | 0.230             |                 |       |          |                  |                           |
| 4/0 CONC      | 0.045             |                 |       |          |                  |                           |
| 750 CONC 15KV | 2.340             |                 |       |          |                  |                           |
| BORE          | 0.480             |                 |       |          |                  |                           |
| CLEAN CNDT    | 0.230             |                 |       |          |                  |                           |
| MANHOURS      | 120.000           |                 |       |          |                  |                           |
| R&R           | 1.000             |                 |       |          |                  |                           |
| SHUR2-5       | 0.085             |                 |       |          |                  |                           |
| STAG-2        | 3.000             |                 |       |          |                  |                           |
| SUM1F         | 1.000             |                 |       |          |                  |                           |
| SUM3-9        | 1.000             |                 |       |          |                  |                           |
| SUM5014H      | 0.550             |                 |       |          |                  |                           |
| SUM5016P      | 0.015             |                 |       |          |                  |                           |
| SUM5024H      | 0.270             |                 |       |          |                  |                           |
| SUM5026H      | 0.550             |                 |       |          |                  |                           |
| SUM5026P      | 0.010             |                 |       |          |                  |                           |
| SUM6-1D 3 PH  | 1.000             |                 |       |          |                  |                           |
| SUM6-25C 3 PH | 2.000             |                 |       |          |                  |                           |
| SUM6-25D 3 PH | 1.000             |                 |       |          |                  |                           |
| SUM6-25F 3 PH | 3.000             |                 |       |          |                  |                           |
| SUM6-28C 3 PH | 4.000             |                 |       |          |                  |                           |
| SUM6-28F 3 PH | 2.000             |                 |       |          |                  |                           |
| SUM6-36A      | 6.000             |                 |       |          |                  |                           |
| SUM6-4EL      | 1.000             |                 |       |          |                  |                           |
| SUM6-6        | 4.000             |                 |       |          |                  |                           |
| SUME445F4     | 1.000             |                 |       |          |                  |                           |
| SUME490F3     | 3.000             |                 |       |          |                  |                           |
| SUME490F5     | 1.000             |                 |       |          |                  |                           |
| SUME630F5     | 4.000             |                 |       |          |                  |                           |

| Assembly Unit   | Proposed Quantity | Actual Quantity | Labor | Material | Labor & Material | Extended Labor & Material |
|-----------------|-------------------|-----------------|-------|----------|------------------|---------------------------|
| SUME645F5       | 2.000             |                 |       |          |                  |                           |
| SUME690F5       | 5.000             |                 |       |          |                  |                           |
| SUMH-610        | 1.000             |                 |       |          |                  |                           |
| SUMV-1          | 10.000            |                 |       |          |                  |                           |
| SUMV-1A         | 20.000            |                 |       |          |                  |                           |
| SUR2-5          | 0.060             |                 |       |          |                  |                           |
| SURCR           | 0.040             |                 |       |          |                  |                           |
| SURL            | 1.000             |                 |       |          |                  |                           |
| SWPPP-BP        | 1.000             |                 |       |          |                  |                           |
| * 1/0 CONC 3 PH | 0.045             |                 |       |          |                  |                           |
| * 750 CONC 15KV | 0.678             |                 |       |          |                  |                           |
| * SUM1E         | 1.000             |                 |       |          |                  |                           |
| * SUM1F         | 1.000             |                 |       |          |                  |                           |
| * SUM3-12       | 1.000             |                 |       |          |                  |                           |
| * SUM6-1C 3 PH  | 1.000             |                 |       |          |                  |                           |
| * SUM6-25C 1 PH | 1.000             |                 |       |          |                  |                           |
| * SUM6-25C 3 PH | 2.000             |                 |       |          |                  |                           |
| * SUM6-25F 3 PH | 1.000             |                 |       |          |                  |                           |
| * SUM6-28C 3 PH | 4.000             |                 |       |          |                  |                           |
| * SUM6-28F 3 PH | 1.000             |                 |       |          |                  |                           |
| * SUME690P4     | 2.000             |                 |       |          |                  |                           |
| * 1/0 CONC 3 PH | 1.509             |                 |       |          |                  |                           |
| * 750 CONC 15KV | 1.662             |                 |       |          |                  |                           |
| * SUM5016P      | 0.125             |                 |       |          |                  |                           |
| * SUM5024P      | 0.150             |                 |       |          |                  |                           |
| * SUM5026P      | 0.135             |                 |       |          |                  |                           |

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for  
PROJECT: P2000006  
MINNESOTA DR. AT 27TH AVE.

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Capital Account: 10720/000/03/7665  
Reimbursible Account: / / /  
Retirement Account: 10880/326/03/7665  
Work Plan No:  
Project Type: Relocation-Agency  
Work Order Number: GRID 1528/1529

Reviewed by Designer/Project Engineer:  Date: 5/10/22  
Moritz Salvanera  
Reviewed by Supervisor/Manager:  Date: 5/10/22  
Supervisor

Remarks:

\*\*\*\*\* SWITCH CABINETS IN THIS PROJECT WILL BE RENUMBERED WITH AN "M" SUFFIX. PLEASE FILL OUT MISSING INFORMATION ( ie. Manufacturer's name, serial number, etc. ) ON THE SWITCH CABINET SHEETS PROVIDED IF AVAILABLE IN THE FIELD FOR THE FOLLOWING SWITCH CABINETS: SC 1M (SC-1), SC 43M (SC-43), SC 202M (SC-202)

\*\*\*\*\* ALL 3PH 1/0 SHLD WILL BE REPLACED WITH 3PH 4/0 SHIELD WITH PARALLEL #2 BACU UNDER E2114024 - ROMIG LOOP SYSTEM IMPROVEMENTS.

|                                                                            |                           |  |
|----------------------------------------------------------------------------|---------------------------|--|
| Chugach Electric Association<br>5601 Electron Drive<br>Anchorage, AK 99518 |                           |  |
| Designer                                                                   | _____ Date ____/____/____ |  |
| Checker                                                                    | _____ Date ____/____/____ |  |
| Manager                                                                    | _____ Date ____/____/____ |  |

5/10/2022

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## STAKING SHEET

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Project: P2000006

Design: MINNESOTA DR. AT 27TH AVE.

In Construction

MINNESOTA DR. AT 27TH AVE.

Grid:

## Structure: 00. GENERAL

| Assembly Unit | Activity | #Cond | Qty | Unit Description                          | Complete | Qty |
|---------------|----------|-------|-----|-------------------------------------------|----------|-----|
| MANHOURS      | Install  | 0     | 120 | MANHOURS (MANHOUR OF LABOR)               |          |     |
| R&R           | Install  | 0     | 1   | R&R FENCE/TEMP (R&R FENCE AND TEMP FENCE) |          |     |
| SURL          | Install  | 0     | 1   | SURL (LANDSCAPING)                        |          |     |
| SWPPP-BP      | Install  | 0     | 1   | SWPPP-BP (STORM WATER PLAN - BP)          |          |     |

Remarks: - MANHOURS ARE FOR INSPECTOR'S DISCRETION.  
- SURL TO RESTORE LANDSCAPING WITHIN CEA PROJECT LIMITS.  
- PAVEMENT/SIDEWALK RESTORATION INCIDENTAL TO PROJECT.

## Structure: 01. 72A

| Assembly Unit | Activity | #Cond | Qty | Unit Description                  | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------|----------|-----|
| SUM6-28F 3 PH | Install  | 0     | 1   | SUM6-28F (750 MCM PRIMARY SPLICE) |          |     |
| SUM6-28F 3 PH | Remove   | 0     | 1   | SUM6-28F (750 MCM PRIMARY SPLICE) |          |     |

Remarks: - UTILIZE GS3 NEUTRAL STRAP KITS FOR GOING CONC TO SHLD

## Structure: 02. SC-173M (SC-173)

| Assembly Unit | Activity | #Cond | Qty | Unit Description                        | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------------|----------|-----|
| 4/0 BACU      | Install  | 1     | 230 | 4/0 BACU Wire (4/0 BARE COPPER NEUTRAL) |          |     |
| 750 CONC 15KV | Install  | 3     | 230 | 750 CONC 15KV (WIRE, AL JCN 750MCM EPR) |          |     |
| CLEAN CNDT    | Install  | 1     | 215 | CLEAN CNDT (MANDREL & SWAB)             |          |     |
| SUM1F         | Install  | 0     | 1   | SUM1F (CONCRETE PAD 600 A SWITCH CAB.)  |          |     |
| SUM3-9        | Install  | 0     | 1   | SUM3-9 (600 A SC 2 FUSES 2 SWITCHES)    |          |     |
| SUM5016P      | Install  | 1     | 15  | SUM5016P - Conduit ((1) 6" PVC CONDUIT) |          |     |
| SUM6-25C 3 PH | Install  | 0     | 1   | SUM6-25C (1/0 PRIMARY TERMINATION)      |          |     |
| SUM6-25D 3 PH | Install  | 0     | 1   | SUM6-25D (4/0 PRIMARY TERMINATION)      |          |     |
| SUM6-25F 3 PH | Install  | 0     | 1   | SUM6-25F (750 MCM PRIMARY TERMINATION)  |          |     |
| SUM6-25F 3 PH | Install  | 0     | 1   | SUM6-25F (750 MCM PRIMARY TERMINATION)  |          |     |
| SUM6-36A      | Install  | 0     | 1   | SUM6-36A (FUSE, S&C END FITTING SML-20) |          |     |
| SUM6-36A      | Install  | 0     | 1   | SUM6-36A (FUSE, S&C END FITTING SML-20) |          |     |
| SUM6-36A      | Install  | 0     | 1   | SUM6-36A (FUSE, S&C END FITTING SML-20) |          |     |
| SUM6-36A      | Install  | 0     | 1   | SUM6-36A (FUSE, S&C END FITTING SML-20) |          |     |
| SUM6-36A      | Install  | 0     | 1   | SUM6-36A (FUSE, S&C END FITTING SML-20) |          |     |
| SUM6-4EL      | Install  | 0     | 1   | 3-PH UG CURNT RESET FI, 600A TRIP       |          |     |
| SUME490F3     | Install  | 0     | 3   | SUME490F3 (4" FG 90 36")                |          |     |
| SUME690F5     | Install  | 0     | 3   | SUME690F5 (6" FG 90 60")                |          |     |
| SUM1E         | Remove   | 0     | 1   | SUM1E (CONCRETE PAD 200 A SWITCH CAB.)  |          |     |
| SUM3-12       | Remove   | 0     | 1   | SUM3-12 (600 A SC 3 FUSES 1 SWITCH)     |          |     |
| SUM6-25C 3 PH | Remove   | 0     | 1   | SUM6-25C (1/0 PRIMARY TERMINATION)      |          |     |
| SUM6-25C 3 PH | Remove   | 0     | 1   | SUM6-25C (1/0 PRIMARY TERMINATION)      |          |     |
| SUM5016P      | Existing | 1     | 215 | SUM5016P - Conduit ((1) 6" PVC CONDUIT) |          |     |

Remarks: - REPLACE 15 kV, 200A, 3Ø SC W/ NEW 15KV, 600A. 3Ø 2SW/2FS SC. USED SUM3-12 FOR SC RETIREMENT.  
- REFER TO ONE-LINE DIAGRAM FOR FUSING.  
- EXTEND EXISTING 6" PVC GOING WEST TO 72A PULL PAD (@ LOCATOR DISC) & EXTEND INTO SC, PULL NEW 750 MCM CABLES FROM 72A INTO SC-173. RUN PARALLEL 4/0 BACU WIRE TO SPLICE W/ 750 MCM ALSHLD AT PP 72A.  
- STAG-2 IS FOR RE-TAGGING PRIMARY CABLE AT SC 43M

## Structure: 03. T-6705 / 82A

| Assembly Unit | Activity | #Cond | Qty | Unit Description                        | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------------|----------|-----|
| 4/0 CONC      | Install  | 3     | 15  | 4/0 CONC Wire (4/0 CONCENTRIC PRIMARY)  |          |     |
| CLEAN CNDT    | Install  | 1     | 15  | CLEAN CNDT (MANDREL & SWAB)             |          |     |
| SUM6-1D 3 PH  | Install  | 0     | 1   | SUM6-1D (4/0 LB ELBOW TERMINATION)      |          |     |
| 1/0 CONC 3 PH | Remove   | 3     | 15  | 1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)  |          |     |
| SUM6-1C 3 PH  | Remove   | 0     | 1   | SUM6-1C (1/0 LB ELBOW TERMINATION-15KV) |          |     |
| SUM5014P      | Existing | 1     | 15  | SUM5014P - Conduit ((1) 4" PVC CONDUIT) |          |     |

Remarks: - REPLACE 3-1/0 SHLD (1/0 CONC 3PH IN STAKING) W/ 4/0 CONC  
\*\*\*\*\* RETURN TO SC 173 \*\*\*\*\*

## Structure: 04. 92E

| Assembly Unit | Activity | #Cond | Qty | Unit Description                        | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------------|----------|-----|
| 1/0 CONC 3 PH | Install  | 3     | 270 | 1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)  |          |     |
| 2 BACU        | Install  | 1     | 270 | 2 BACU Wire (#2 BARE COPPER NEUTRAL)    |          |     |
| 750 CONC 15KV | Install  | 3     | 270 | 750 CONC 15KV (WIRE, AL JCN 750MCM EPR) |          |     |
| BORE          | Install  | 1     | 240 | BORE                                    |          |     |
| SHUR2-5       | Install  | 1     | 30  | SHUR2-5 (PRIMARY TRENCH HAND -DIG)      |          |     |

Chugach Electric Association  
5601 Electron Drive  
Anchorage, AK 99518

Designer/Project Engineer

Date / /

Checker

Date / /

Manager/Supervisor

Date / /

Title: Staking Sheet\_XSYS

5/10/2022

9:15:33

## STAKING SHEET

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Project: P2000006

Design: MINNESOTA DR. AT 27TH AVE.

In Construction

MINNESOTA DR. AT 27TH AVE.

Grid:

Structure: 04. 92E

| Assembly Unit | Activity | #Cond | Qty | Unit Description                         | Complete | Qty |
|---------------|----------|-------|-----|------------------------------------------|----------|-----|
| SUM5014H      | Install  | 1     | 270 | SUM5014H - Conduit ((1) 4" HDPE CONDUIT) |          |     |
| SUM5024H      | Install  | 1     | 270 | SUM5024H - Conduit ((2) 4" HDPE CONDUIT) |          |     |
| SUM5026H      | Install  | 1     | 270 | SUM5026H - Conduit ((2) 6" HDPE CONDUIT) |          |     |
| SUM6-28C 3 PH | Install  | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)       |          |     |
| SUM6-28C 3 PH | Install  | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)       |          |     |
| SUM6-28F 3 PH | Install  | 0     | 1   | SUM6-28F (750 MCM PRIMARY SPLICE)        |          |     |
| SUM6-6        | Install  | 0     | 4   | SUM6-6 (GROUNDING ASSY)                  |          |     |
| SUME630F5     | Install  | 0     | 4   | SUME630F5 (6" FG 30 60")                 |          |     |
| SUMH-610      | Install  | 0     | 1   | PULL VAULT - 6X10                        |          |     |
| SUMV-1        | Install  | 0     | 10  | CABLE RACK RAO8 & STANCHION              |          |     |
| SUMV-1A       | Install  | 0     | 20  | CABLE RACK RAO8                          |          |     |
| SUR2-5        | Install  | 1     | 30  | SUR2-5 (PRIMARY TRENCH)                  |          |     |
| SUM1F         | Remove   | 0     | 1   | SUM1F (CONCRETE PAD 600 A SWITCH CAB.)   |          |     |
| SUM6-28C 3 PH | Remove   | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)       |          |     |
| SUM6-28C 3 PH | Remove   | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)       |          |     |
| SUME690P4     | Remove   | 0     | 2   | SUME690P4 (6" PVC 90 48")                |          |     |
| 1/0 CONC 3 PH | Abandon  | 3     | 233 | 1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)   |          |     |
| 1/0 CONC 3 PH | Abandon  | 3     | 270 | 1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)   |          |     |
| 1/0 CONC 3 PH | Existing | 3     | 337 | 1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)   |          |     |

Remarks:

- RETIRE PULL PAD (SUM1F) AND INSTALL NEW SUMH-610. GRADE. SET MANHOLE LID FLUSHED WITH EXIST. GRADE.
- SUM6-6 CALLED OUT IF VAULT DOES NOT COME WITH UFER GROUNDS.
- REMOVE SPLICE INSIDE 92E & ABANDON 3Ø 1/0 AL DIRECT BURIED GOING WEST TO SC-173 FROM T-7343 (VIA 91E PULL PAD).
- BORE NEW 3Ø 1/0 CONC (W/ PARALLEL #2 BC) IN (2) 4" HDPE FROM SC-173 INTO VAULT 92E & SPLICE TO 3Ø 1/0 SHLD CABLE GOING TO T-7343 PER ONE-LINE DIAGRAM - 270'. USE GS3 STRAP KITS FOR GOING FROM CONC TO SHLD.
- EXPOSE 30' (TO ACCOUNT FOR COIL INSIDE PULL PAD) OF 3Ø 1/0 SHLD DIRECT BURIED CABLE CIRCUIT FROM T-8670 NORTH OF PULLPAD 92E & RE-ROUTE CABLE INTO NEW VAULT.
- SEE VAULT DIAGRAM FOR SPLICING & CONDUIT ENTRY/EXIT
- UTILIZE 3Ø 1/0 SHLD TO SPLICE T-7343 & T-7137
- FIRE TAPE ALL CIRCUIT

\*3Ø 1/0 SHLD TO BE ABANDONED/EXISTING IS BEING REPRESENTED AS 1/0 CONC 3PH IN STAKING SHEET.

Structure: 04A. 91E

| Assembly Unit | Activity | #Cond | Qty | Unit Description                        | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------------|----------|-----|
| SHUR2-5       | Install  | 1     | 10  | SHUR2-5 (PRIMARY TRENCH HAND -DIG)      |          |     |
| SUM5026P      | Install  | 1     | 10  | SUM5026P - Conduit ((2) 6" PVC CONDUIT) |          |     |
| SUM6-28C 3 PH | Install  | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)      |          |     |
| SUM6-28C 3 PH | Install  | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)      |          |     |
| SUM6-28C 3 PH | Remove   | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)      |          |     |
| SUM6-28C 3 PH | Remove   | 0     | 1   | SUM6-28C (1/0 PRIMARY SPLICE-15KV)      |          |     |
| SUM5026P      | Abandon  | 1     | 10  | SUM5026P - Conduit ((2) 6" PVC CONDUIT) |          |     |
| SUM5026P      | Existing | 1     | 120 | SUM5026P - Conduit ((2) 6" PVC CONDUIT) |          |     |

Remarks:

- PULL BACK CABLES GOING NORTH TO PP 92E & INTERCEPT EXIST. 2-6" PVC USING SUME630F5. RE-ROUTE CONDUIT INTO NEW VAULT 92E.
- RETURN TO 04. 92E & RE-PULL CABLES. SEE VAULT DIAGRAM FOR SPLICING & CONDUIT ENTRY/EXIT.

Structure: 05. SC 1M (SC-1)

| Assembly Unit | Activity | #Cond | Qty | Unit Description                         | Complete | Qty |
|---------------|----------|-------|-----|------------------------------------------|----------|-----|
| 750 CONC 15KV | Install  | 3     | 280 | 750 CONC 15KV (WIRE, AL JCN 750MCM EPR)  |          |     |
| BORE          | Install  | 1     | 240 | BORE                                     |          |     |
| SHUR2-5       | Install  | 1     | 10  | SHUR2-5 (PRIMARY TRENCH HAND -DIG)       |          |     |
| STAG-2        | Install  | 0     | 3   | STAG-2 (PRIMARY CABLE TAG)               |          |     |
| SUM5014H      | Install  | 1     | 280 | SUM5014H - Conduit ((1) 4" HDPE CONDUIT) |          |     |
| SUM5026H      | Install  | 1     | 280 | SUM5026H - Conduit ((2) 6" HDPE CONDUIT) |          |     |
| SUM6-25C 3 PH | Install  | 0     | 1   | SUM6-25C (1/0 PRIMARY TERMINATION)       |          |     |
| SUM6-25F 3 PH | Install  | 0     | 1   | SUM6-25F (750 MCM PRIMARY TERMINATION)   |          |     |
| SUME445F4     | Install  | 0     | 1   | SUME445F4 (4" FG 45 48")                 |          |     |
| SUME490F5     | Install  | 0     | 1   | SUME490F5 (4" FG 90 60")                 |          |     |
| SUME645F5     | Install  | 0     | 2   | SUME645F5 (6" FG 45 60")                 |          |     |
| SUME690F5     | Install  | 0     | 2   | SUME690F5 (6" FG 90 60")                 |          |     |
| SUR2-5        | Install  | 1     | 30  | SUR2-5 (PRIMARY TRENCH)                  |          |     |
| SURCR         | Install  | 1     | 40  | SURCR (STATE/MOA ROAD CROSSING)          |          |     |

Chugach Electric Association  
5601 Electron Drive  
Anchorage, AK 99518

Designer/Project Engineer

Date / /

Checker

Date / /

Manager/Supervisor

Date / /

Title: Staking Sheet\_XSYS

Project: P2000006 Design: MINNESOTA DR. AT 27TH AVE.  
MINNESOTA DR. AT 27TH AVE.

In Construction  
Grid:

Structure: 05. SC 1M (SC-1)

| Assembly Unit | Activity | #Cond | Qty | Unit Description                       | Complete | Qty |
|---------------|----------|-------|-----|----------------------------------------|----------|-----|
| SUM6-25C 1 PH | Remove   | 0     | 1   | SUM6-25C (1/0 PRIMARY TERMINATION)     |          |     |
| SUM6-25F 3 PH | Remove   | 0     | 1   | SUM6-25F (750 MCM PRIMARY TERMINATION) |          |     |

Remarks:

- BORE (2) 6" HDPE + (1) 4" HDPE FROM SC-1 UP TO 92E.
- SURCR TO ACHIEVE 95% COMPACTION ON OPEN CUT TRENCH PORTIONS.
- PULL NEW 3Ø 750 MCM THRU ONE OF THE 6" HDPE.
- USE SUME490F5/SUME690F5 FOR HORIZONTAL TURN TO SC-1.
- SUM6-25C RETIREMENT IS FOR THE 1/0 BØ TERMINATION FROM T-5337
- STAG-2 IS FOR RE-TAGGING PRIMARY CABLE AT SC 202M

Structure: 06. T-5337 / 12K

| Assembly Unit | Activity | #Cond | Qty | Unit Description                        | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------------|----------|-----|
| SHUR2-5       | Install  | 1     | 35  | SHUR2-5 (PRIMARY TRENCH HAND -DIG)      |          |     |
| SUM5024P      | Abandon  | 1     | 150 | SUM5024P - Conduit ((2) 4" PVC CONDUIT) |          |     |
| 1/0 CONC 3 PH | Existing | 3     | 35  | 1/0 CONC 3 PH (1/0 CONCENTRIC PRIMARY)  |          |     |

Remarks:

- 1/0 CONC 3PH IS USED TO REPRESENT SHLD CABLE.
- EXPOSE 3Ø 1/0 SHLD CABLE CIRCUIT WEST OF SC-1 UP TO SC-1 LOCATION. CUT AØ & CØ CABLES AT WEST END, PROVIDING ENOUGH CABLE SLACK FOR COIL & RE-ROUTE INTO SC-1 & TERMINATE (BØ IS ALREADY TERMINATED IN SC-1). ABANDON REST OF THE CABLE GOING WEST INTO PULL VAULT 92E INCLUDING THE THE EXIST. (2) 3" PVC ROAD CROSSING (4" PVC IN STAKING)

Structure: 07. 72A (RETIRE)

| Assembly Unit | Activity | #Cond | Qty | Unit Description                        | Complete | Qty |
|---------------|----------|-------|-----|-----------------------------------------|----------|-----|
| 750 CONC 15KV | Remove   | 3     | 226 | 750 CONC 15KV (WIRE, AL JCN 750MCM EPR) |          |     |
| 750 CONC 15KV | Abandon  | 3     | 554 | 750 CONC 15KV (WIRE, AL JCN 750MCM EPR) |          |     |
| SUM5016P      | Abandon  | 1     | 125 | SUM5016P - Conduit ((1) 6" PVC CONDUIT) |          |     |
| SUM5026P      | Abandon  | 1     | 125 | SUM5026P - Conduit ((2) 6" PVC CONDUIT) |          |     |

Remarks:

- ABANDON EXIST. STEEL CASING & (3) 6" PVC UNDERGROUND CROSSING AT MINNESOTA DRIVE
- EXPOSE 3Ø 750 MCM SHLD CABLE CIRCUIT FROM WEST SIDE OF SC-173 TO END OF 6" CONDUIT (@ LOCATOR DISC) CUT CABLE AND ABANDON RUN GOING EAST TO SC-1 AND REMOVE CABLE FROM EXISTING CONDUIT GOING WEST TO 72A PULL PAD.

CHUGACH ELECTRIC ASSOCIATION, INC.  
Anchorage, Alaska

## RIGHT-OF-WAY REPORT

WORK ORDER NO.: P2000006

DATE: May 5, 2022

SUBJECT: Romig Junior High School  
Distribution Loop System Improvement

An "X" in the enclosed parenthesis below indicates the listed requirement has been obtained; the enclosed parenthesis without an "X" indicates the listed requirement has not been obtained as of the date of this report.

### Easement Rights:

- (X) 1. Platted easements exist (Plat Nos. C-260, 69-16).
- (X) 2. Document easements on-file.
- ( ) 3. New easement required within Tract D-1, R.W. Marshall Property

### Permits:

- ( ) 1. MOA ROW Permit required for installation within utility easements.
- ( ) 2. ADOT Permit required for installation within Minnesota Drive right of way.

### Clearing:

- (X) 1. No clearing identified.



Claudia Roberts  
Right-of-Way Agent III

Project : P2000006  
Work Request: P2000006

MINNESOTA DR. AT 27TH AVE.

In Construction

Capital Account: 10720/000/03/7665  
Reimbursible Account: / / /  
Retirement Account: 10880/326/03/7665

Design : MINNESOTA DR.  
AT 27TH AVE.

| Description                                                      | Part Number | Quantity | Ordered | Issued |
|------------------------------------------------------------------|-------------|----------|---------|--------|
| Inventory                                                        |             |          |         |        |
| WIRE, AL JCN 15KV #4/0                                           | 0000000343  | 239      |         |        |
| WIRE, AL JCN 15KV 750MCM EPR                                     | 0000000346  | 2,919    |         |        |
| WIRE, AL JCN 15KV #1/0                                           | 0000000352  | 1,121    |         |        |
| WIRE, CU SDB #02 STR                                             | 0000000376  | 292      |         |        |
| WIRE, CU SDB #4/0 STR (19 STR.)                                  | 0000000378  | 373      |         |        |
| CONNECTOR, CONNECTOR,SC EQUIPMENT GROUND,4/0 AWG                 | 0000001451  | 4        |         |        |
| LUG, COMP LUG AL 2H #1/0                                         | 0000001509  | 6        |         |        |
| LUG, COMP LUG AL 2H #4/0                                         | 0000001513  | 3        |         |        |
| LUG, COMP LUG AL 2H 750                                          | 0000001515  | 9        |         |        |
| FASTENER, CLAMP GROUND ROD 3/4"                                  | 0000001532  | 4        |         |        |
| FASTENER, CLAMP, GROUND ROD, 4/0 AWG                             | 0000001533  | 2        |         |        |
| FUSE, S&C 14.4 SMU-20 100E                                       | 0000001704  | 8        |         |        |
| FUSE, S&C END FITTING SML-20                                     | 0000001709  | 6        |         |        |
| CABINET, SWITCH PMH-09 (600A) 15KV                               | 0000002421  | 1        |         |        |
| PAD, CONC. SUM1-F 600A SW CABINET 15KV                           | 0000003746  | 1        |         |        |
| LINE, GROUND ROD 3/4" X 8'                                       | 0000004067  | 6        |         |        |
| CONDUIT, PVC 6"                                                  | 0000004160  | 39       |         |        |
| CONDUIT, FG EL 90 DEG 4" 36" RADI                                | 0000004168  | 3        |         |        |
| CONDUIT, FG EL 90 DEGREE 4" 60" RADI                             | 0000004170  | 1        |         |        |
| CONDUIT, FG EL 90 DEG 6" 60" RADI                                | 0000004173  | 5        |         |        |
| CONDUIT, FG EL 45 DEGREE 4" 48" RADI                             | 0000004183  | 1        |         |        |
| CONDUIT, FG EL 45 DEG 6" 60" RADI                                | 0000004185  | 2        |         |        |
| KIT, PRIMARY SPLICE JACKET KIT #02-4/0                           | 0000004506  | 12       |         |        |
| KIT, PRIMARY SPLICE 15KV #02-1/0 JCN                             | 0000004508  | 12       |         |        |
| KIT, PRIMARY SPLICE 15KV 750MCM JCN                              | 0000004513  | 6        |         |        |
| LINE, BRACKET CABLE SUPPORT                                      | 0000004646  | 9        |         |        |
| KIT, PRIMARY TERM 15KV #02-1/0 JCN                               | 0000004767  | 6        |         |        |
| KIT, PRIMARY TERM 15KV 3/0-350MCM JCN                            | 0000004772  | 3        |         |        |
| KIT, PRIMARY TERM 15KV 750MCM JCN                                | 0000004773  | 9        |         |        |
| UG ACCES 08/15KV ELBOW TERM #4/0 LB W/ADAPTER                    | 0000004787  | 3        |         |        |
| SHRINK, CABLE SEALER COLD SHRINK 2/0-1000 MCM                    | 0000011586  | 3        |         |        |
| CONDUIT, HDPE 4"                                                 | 0000011877  | 1,199    |         |        |
| CONDUIT, HDPE 6"                                                 | 0000011888  | 1,210    |         |        |
| LINE, UG INDICATOR FAULT CURRENT RESET 600A TRIP (350-750 KCMIL) | 000013367   | 1        |         |        |
| CONDUIT, FG EL 30 DEG 6" 60" RADI                                | 0000015050  | 4        |         |        |
| Cable Rack, Stanchion, Underground Devices CR12-B                | 0000017446  | 30       |         |        |
| Cable Rack, 8", Underground Devices RA08                         | 0000017447  | 30       |         |        |
| Concrete Anchor, 303 stainless steel, 1/2-13                     | 0000017451  | 30       |         |        |
| Washer, 1-1/4 round, flat, 9/16" hole, 316 stainless             | 0000017452  | 30       |         |        |
| Bolt, Cap Screw, 1/2"-13 x 1-3/8, 316 stainless steel            | 0000017453  | 30       |         |        |
| Pull Vault, 6 Riser UV 4206                                      | 0000017595  | 3        |         |        |
| Frame Vault, manhole, UV 4240-HD (680 lbs.)                      | 0000017596  | 1        |         |        |
| Cover, manhole, UV 4220-S (600 lbs.)                             | 0000017597  | 1        |         |        |
| VAULT, 6' X 10' X 7' W/1 MANHOLE                                 | M42230      | 1        |         |        |
| Non-Inventory                                                    |             |          |         |        |
| BLUE & GREEN CEA DECAL NON INV                                   | 0000010321  | 2        |         |        |
| PADLOCKS                                                         | 0000010613  | 4        |         |        |
| WEDGE ANCHOR .5 X 2.75 NON-INV                                   | 0000010657  | 4        |         |        |

Control Number \_\_\_\_\_  
Legal Description \_\_\_\_\_  
Charge for Materials Yes \_\_\_ No \_\_\_ Sale \_\_\_ P.O. No. \_\_\_\_\_  
Issued By \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
Contractor \_\_\_\_\_  
Special Notes: \_\_\_\_\_

5/10/2022 9:16:32

CHUGACH ELECTRIC ASSOCIATION, INC.  
MATERIAL ISSUE TICKET

Page 3 of 24

Project : P2000006  
Work Request: P2000006

MINNESOTA DR. AT 27TH AVE.

In Construction

Capital Account: 10720/000/03/7665  
Reimbursible Account: / / /  
Retirement Account: 10880/326/03/7665

Design : MINNESOTA DR.  
AT 27TH AVE.

DescriptionPart NumberQuantity OrderedIssued

Remarks:

Control Number \_\_\_\_\_  
Legal Description \_\_\_\_\_  
Charge for Materials Yes \_\_\_ No \_\_\_ Sale \_\_\_ P.O. No. \_\_\_\_\_  
Issued By \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
Contractor \_\_\_\_\_  
Special Notes:

4/9/202115:08:23

CHUGACH ELECTRIC ASSOCIATION, INC.  
MATERIAL RETIREMENT TICKET

Page 6 of 14

Project : P2000006

MINNESOTA DR. AT 27TH AVE.

In Construction

Work Request: P2000006

Capital Account: 10720/000/03/7665

Design : MINNESOTA DR. AT 27TH

Reimbursible Account: / /

Retirement Account: 10880/326/03/7665

| Description                   | Part Number | Qty. Retired | Retired |
|-------------------------------|-------------|--------------|---------|
| S&C 14.4 SMU-20 100E          | 0000001704  | 2            |         |
| SWITCH PMH-12 (600A) 15KV     | 0000002426  | 1            |         |
| CAB SWITCH PMH-12 (600A) 25KV | 0000010562  | 1            |         |

Remarks:

Control Number

Legal Description

Charge for MaterialsYesNoSale

Issued ByReceived By

Contractor

Special Notes:

P.O. No.

Date / /

**S&C**

**PMH9 600A**

**SC 43M**

Serial Number:

Manufactured Date:

Notes:

WS: SO41646 / 7642 / 7656

Revised Date:

Revised WO/JO:

**P2000006**

DIRECTION  
(Reference  
to North)



TO:  
CONDUCTOR

1/0 STR AL CONC West to SC-81  
100E to close (S7F7)

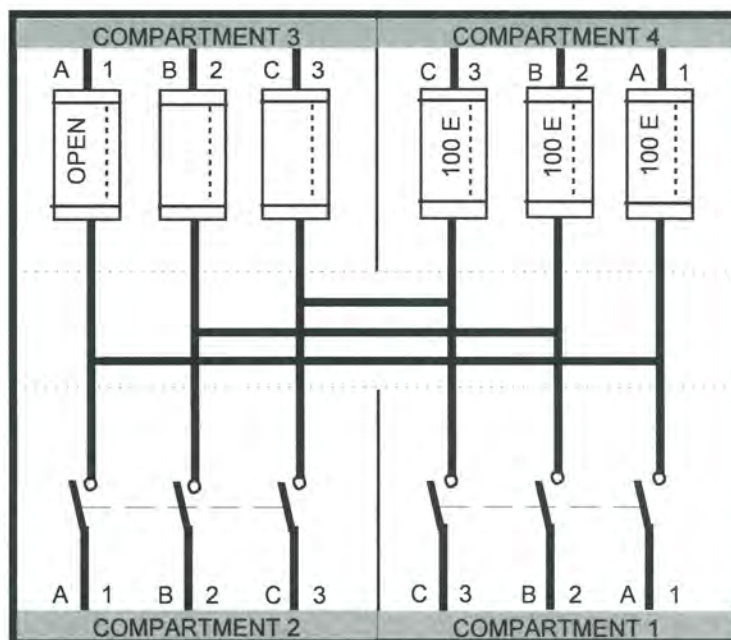
VACANT

VACANT

4/0 STR AL WS North to T-8530

4/0 STR AL WS North to T-6634

4/0 STR AL WS North to T-6634



Switch #: **14820**

Status: Closed

Switch #: **14821**

Status: Closed

TO:  
CONDUCTOR

750 MCM AL SHLD West to  
SC 42 Comp. 1

750 MCM AL SHLD West to  
SC 42 Comp. 1

750 MCM AL SHLD West to  
SC 42 Comp. 1

**750 CONC East to SC 173M  
Comp. 2**

**750 CONC East to SC 173M  
Comp. 2**

**750 CONC East to SC 173M  
Comp. 2**

Fault Indicators Installed In  
Compartments:

2, 4

Fuse Holder Type:

SMU20

Spare Fuse Holder  
Installed:

LOCATION

Northern Lights East of Arlington  
on the north side of Northern Lights

Inspected by:

Install Date: **12/5/1995**

Install Work

Order ID:

Feeder: **S7F7**

Grid Map Location No.: **1528 - 61A**

**CHUGACH**  
POWERING ALASKA'S FUTURE

**S&C**

**PMH9 600A**

**SC 173M**

Serial Number:

Manufactured Date:

Notes:

Revised Date:

Revised WO/JO:

DIRECTION  
(Reference  
to North)



TO:  
CONDUCTOR

4/0 CONC North to T-6705

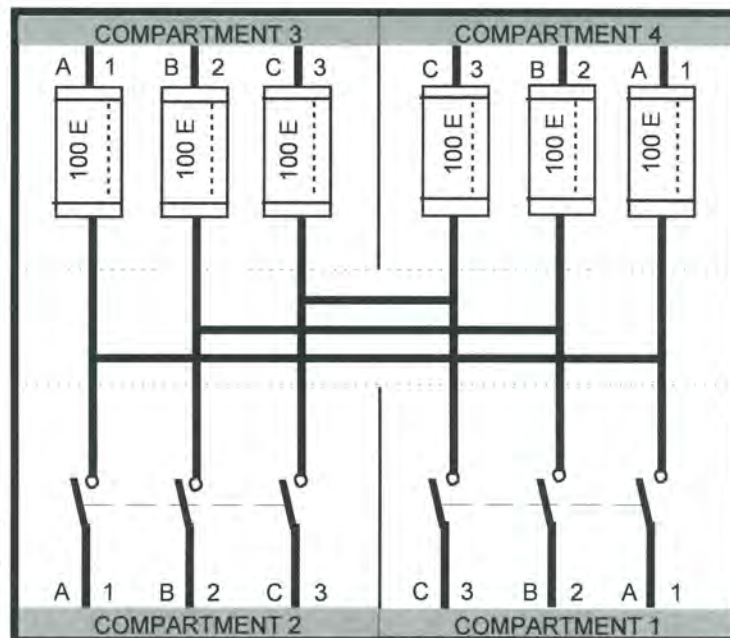
4/0 CONC North to T-6705

4/0 CONC North to T-6705

1/0 CONC w/ #2 BC East/South  
to T-7343 via Vault 92E

1/0 CONC w/ #2 BC East/South  
to T-7343 via Vault 92E

1/0 CONC w/ #2 BC East/South  
to T-7343 via Vault 92E



Switch #: 14818

Status: Closed

Switch #: 14819

Status: Closed

TO:  
CONDUCTOR

750 CONC w/ 4/0 BC West to  
SC 43M Comp 1 via Vault 72A

750 CONC w/ 4/0 BC West to  
SC 43M Comp 1 via Vault 72A

750 CONC w/ 4/0 BC West to  
SC 43M Comp 1 via Vault 72A

750 CONC East to SC 1M  
Comp 2 via Vault 92E

750 CONC East to SC 1M  
Comp 2 via Vault 92E

750 CONC East to SC 1M  
Comp 2 via Vault 92E

Fault Indicators Installed In  
Compartments:

Fuse Holder Type:

SMU20

Spare Fuse Holder  
Installed:

LOCATION

Easement behind car wash at  
Northern Lights & Minnesota Drive

Inspected by:

Install Date:

Install Work

Order ID:

P2000006

Feeder:

S7F7

Grid Map Location No.: 1528 - 81B

**CHUGACH**  
POWERING ALASKA'S FUTURE

S&amp;C

PMH9 600A

SC 1M

Serial Number:

Manufactured Date:

Notes:

WS: 5684

Revised Date:

Revised WO/JO:

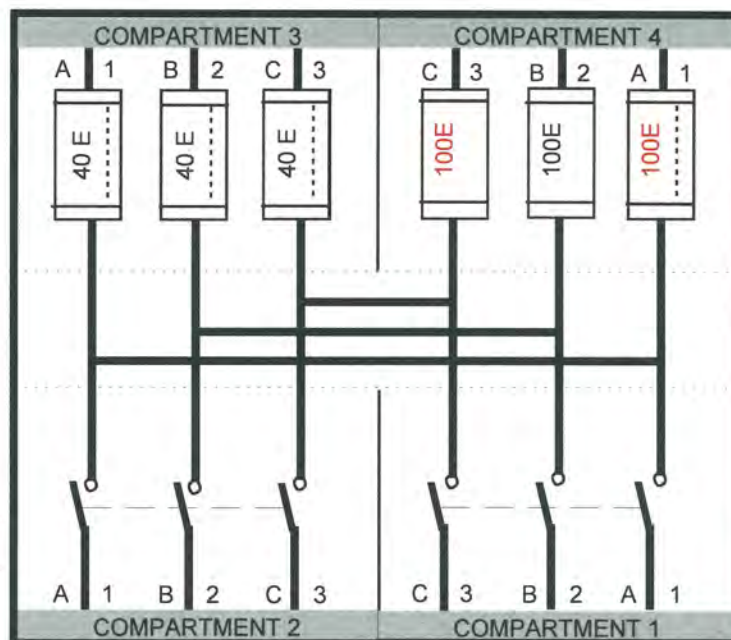
P2000006

DIRECTION  
(Reference  
to North)TO:  
CONDUCTOR4/0 AL SHLD West & North to  
Pole 12H (CEA # K-3)4/0 AL SHLD West & North to  
Pole 12H (CEA # K-3)4/0 AL SHLD West & North to  
Pole 12H (CEA # K-3)

1/0 STR AL East &amp; South to T-7232

1/0 STR AL East &amp; South to T-7232

1/0 STR AL East &amp; South to T-7232



Switch #: 14822

Status: Closed

Switch #: 14823

Status: Closed

TO:  
CONDUCTOR750 MCM West to SC 173M  
Comp. 1 via Vault 92E750 MCM West to SC 173M  
Comp. 1 via Vault 92E750 MCM West to SC 173M  
Comp. 1 via Vault 92E750 MCM East to SC 202M  
Comp. 1750 MCM East to SC 202M  
Comp. 1750 MCM East to SC 202M  
Comp. 1

Fuse Holder Type:

SMU20

Spare Fuse Holder  
Installed:Fault Indicators Installed In  
Compartments:

2

## LOCATION

Southeast corner of East 27th ave  
and Minnesota drive

Grid Map Location No.: 1529 - 12M

Inspected by:

Install Date: 10/18/1984

Install Work  
Order ID: 7127

Feeder: S7F7

**CHUGACH**  
POWERING ALASKA'S FUTURE

SC 202M

Serial Number:

Manufactured Date:

Notes:  
WS: 4658/6287/6495/7116

Revised Date:

Revised WO/JO:  
P2000006

DIRECTION  
(Reference  
to North)



TO:

CONDUCTOR

4/0 SHLD West & South to T-7932

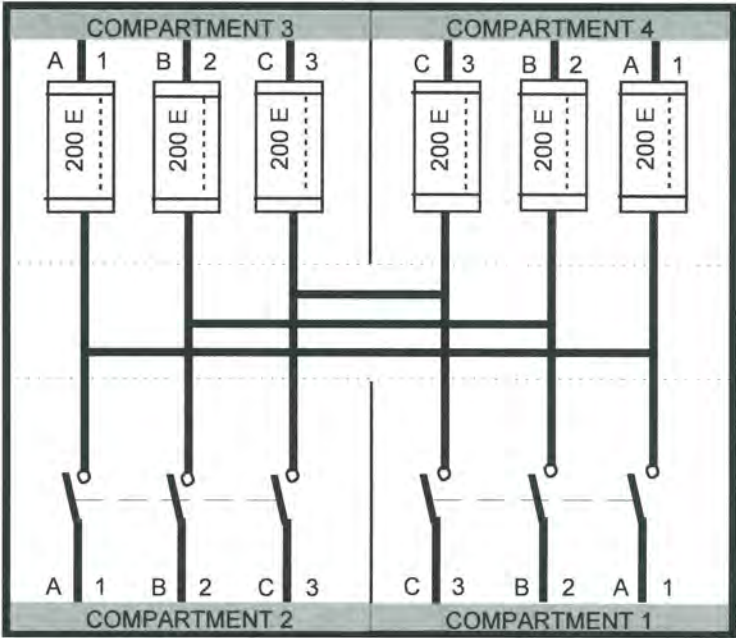
4/0 SHLD West & South to T-7932

4/0 SHLD West & South to T-7932

4/0 WS East to T-4315

4/0 WS East to T-4315

4/0 WS East to T-4315



Switch #: 14824  
Status: Closed

Switch #: 14825  
Status: Closed

TO:

CONDUCTOR

750 MCM East to SC-266  
Comp. 2

750 MCM East to SC-266  
Comp. 2

750 MCM East to SC-266  
Comp. 2

750 MCM West to SC 1M  
Comp. 1

750 MCM West to SC 1M  
Comp. 1

750 MCM West to SC 1M  
Comp. 1

Fault Indicators Installed In  
Compartments:  
1,2

Fuse Holder Type:  
SMU20  
Spare Fuse Holder  
Installed:



LOCATION  
Southeast corner of West 27th Ave  
& Spenard Road  
Grid Map Location No.: 1529 - 62D

Inspected by:  
Install Date: 06/06/2006  
Install Work  
Order ID:  
Feeder: S7F7