

NOTE TO DEN: Two Transformers and associated Distribution conductor, All Feeder conductor and Switch Cabinets are Refundable costs to which Construction Allowance is applicable. Two transformers are Non-Refundable, to which NO Construction Allowance is applicable. Interior manhole "renovation" work is a Plant Betterment or Xcel Energy cost for which DEN is not responsible.

Intercept and expose conduit ends of existing duct bank near proposed building basement / foundation. Backhoe Trench to extend the duct bank, 2 wide x 1 high, 6" to the proposed new cabinet locations.

Cut and splice (straight splices, not "T"-splices") to existing conductor within each manhole. Pull in 1AL for **Barr Lake Feeder** and 1000AL for **Sky Ranch Feeder** from manhole to switch cabinet.

DIA to Coordinate with Airlines or as required for Xcel Energy crew access to existing Electrical Manholes. DIA to provide VAC Truck and coordinate with Xcel Energy construction crew to allow for cleaning of interior of manhole in preparation for installation of new splices and conductor for new Concourse Subscore power.

approx 125' of existing ductbank to remain, build approx. 60' of new 2W x 1H - 6" up to new SW Cab
approx 115' of existing ductbank to remain, build approx. 60' of new 2W x 1H - 6" up to new SW Cab

DIA TO STAKE XCEL ENERGY SWITCH CABINET AND TRANSFORMER LOCATIONS AND TRENCH ROUTE FOR NEW CONDUCTOR.
BMP'S if required, by DIA Contractor.

CONCOURSE C -EAST, Subscore E2
Svc #1 - A&B; Svc #2 - A&B
27225 E. 91st Ave.

Site Contacts:
Mark Pickett
Holder/FCI
229-224-0433
Jim Stevater, Sr. Constr. Mgr, DEN
703-310-8250

Future
SUBSCORE E3
27405 E. 91st Ave.

Non-Refundable
transformers and
Distribution
All 4 transformers serve DIA owned secondary connection cabinets with CT's and metering

INSTALL:

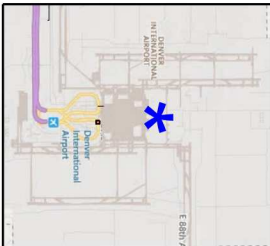
- 2 - concrete foundations (2-pc, pre-cast for each SW Cab)
- 2 - 600Amp, 25KV PMH-9 Switch Cabinets
- 4 - 2500kva, 25kV, 277/480v pad transformers
- 4 - large pre-cast xfmr pads
- 6 - Terminators, 14L, 25KV (SW cab 232 / 122)
- 6 - Terminators, 1000AL, 25KV (SW Cab 177 / 122)
- 12 - 150 Amp fuses, 5M-20
- 24 - loadbreak elbow terms, 14L (3 per transformer; 6 per switch cabinet)
- 350' - 1000AL Jkt 3-c
- 873' - 14L Jkt 3-c
- 6 - splices, 14L solid (straight splices in manhole)
- 6 - splices, 1000AL (straight splices in manhole)
- 8 - 90 degree ells, 4" PVC (2 per Switch Cab; 2 per Xfmr)
- 4 - 90 degree ells, 6" PVC (2 per Switch Cab)
- 112 - set screw block, 1-wire (28 per conn cab)
- 32 - spode set screw block, 4-wire (8 per Xfmr)
- 2240' - 750kcmil AL sec to connection cab (560' per transformer)
- Arc-proof tape in manhole, as req'd

Install concrete encased 4" PVC conduit between Primary compartments of transformers to Switch Cabinets.

Each transformer will feed a 3000 Amp **Customer owned secondary connection cabinet**. These cabinets will have CT and metering provisions.

Install from **EACH** transformer, **7 runs of 4-wire, 750 AL** secondary conductor.

NOTE: Each run of Xcel installed secondary conductor is 20' length from transformer to secondary connection cabinet in **CUSTOMER PROVIDED cable tray**. Xcel Energy to provide pre-cast concrete pad for the transformers. **Customer to provide concrete pad for the connection cabinets.**



CONSTRUCTION USE ONLY

☐ NO CHANGES (BUILT AS DESIGNED)
☐ CHANGES MADE AS INDICATED
(ALL CHG MUST HAVE ACTUAL MEASUREMENT FROM THE FIELD SITE)

PRO: _____ DATE: _____

FOREMAN: _____ DATE: _____

TEAM LEADER: _____