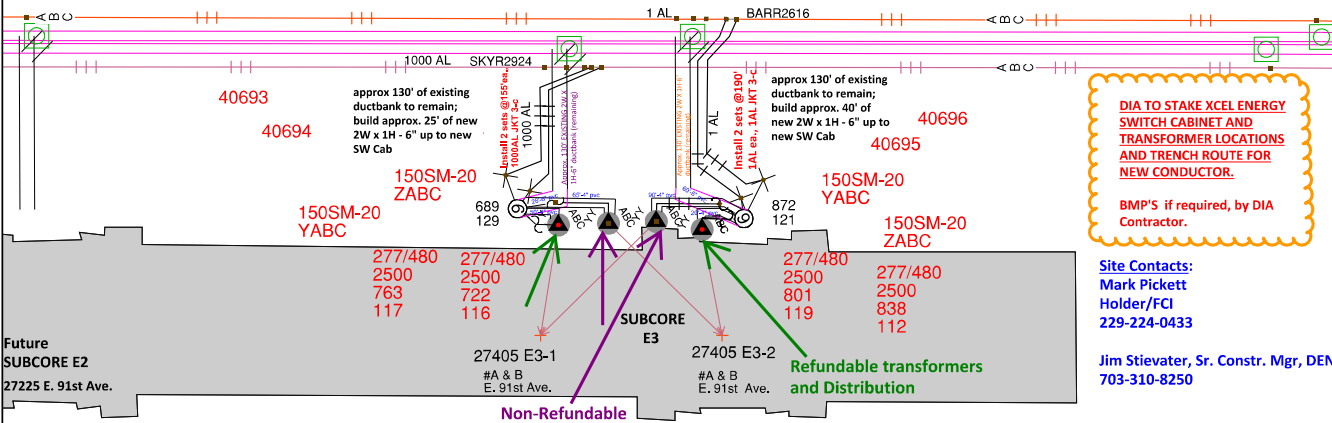
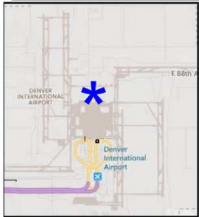


NOTE TO DEN: Two Transformers and associated Distribution conductor, All Feeder conductor and Switch Cabinets are Refundable costs to which Construction Allowance is applicable. Two transformers are Non-Refundable, to which NO Construction Allowance is applicable. Interior manhole "renovation" work is 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 Subcore power.



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

Site Contacts:
Mark Pickett
Holder/FCI
229-224-0433

Jim Stievater, Sr. Constr. Mgr, DEN
703-310-8250

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, 1AL, 25kV (SW cab 232 / 122)
- 6 - Terminators, 1000AL, 25kV (SW Cab 177 / 122)
- 12 - 150 Amp fuses, SM-20
- 24 - loadbreak elbow terms, 1AL (3 per transformer; 6 per switch cabinet)
- 662' - 1000AL Jkt 3-c
- 1231' - 1AL Jkt 3-c
- 6 - splices, 1AL 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 - spade 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.

CONCOURSE C -EAST, Subcore E3
Svc #1 - A&B; Svc #2 - A&B
27405 E. 91st Ave.

Work Order Information	
Service Request #	NOTIFICATION 10191204
Design Number	914023
Design/Revision ID	TSM51
Design/Revision Name	JTAMBA 100622
Design/Revision P#	3043753815
Manager Approved	
Job Data	
E	6
T	0
Design Location	
Division	Subway DC
County	Denver
City	DENVER
Address	27405 E. 91st Ave.
T: 30	R: 65W
Map #	202104 03
Electric	
Feeder	277/480V
Phase	ABC
Long lead W/O#	104015586, umbrella ID 1000057119
Web Order #	
Date	10/16/2019
Revised	1 of 1
Scale	1" equals 40'
Xcel Energy	

CONSTRUCTION USE ONLY	
<input type="checkbox"/> NO CHANGES (BUILT AS DESIGNED)	
<input type="checkbox"/> CHANGES MADE AS INDICATED	
(ALL UTD MUST HAVE ACTUAL MEASUREMENT FROM THE FIELD SITE)	
RFO	
FOREMAN	DATE
TEAM LEADER	

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