

**CP3-EN-0207 – F01 FACILITY CHANGE TRAVELER**

FCT-CEE-FA5270-002, Rev. 0 (CFC)

<b>FACILITY CHANGE TRAVELER (FCT)</b>		
Title: Alternate Feed for Feeder ER-1	Work Order Number:	
FCT Number: FCT-CEE-FA5270-002	Revision #: 0	ESO Number: FA5270

**Description (Additional sheets may be attached)**

The work performed under this FCT is to provide an alternate feed to the loads on feeder ER-1 past the location of pole T5-P32A1 disconnect switch (loads located south of that point).

**Restrictions/Special Instructions – (Identify PMT actions if required)**

**WARNING:**  
 If CAAS and/or Fire Alarm Data Gathering Panels (DGP) are temporarily impacted (e.g. service interruption) by the FCT, **then** compensatory measures must be identified in the FCT to be in place prior to the execution of the work.

No.	Action
1.0	<b>NOTE: De-energizing the 15kV overhead line 23B will affect C-409 building and require CAAS LCO actions while work is being performed during the outage. Ensure notifications and announcements are in place prior to work start.</b>
2.0	<b>Prior to removal of power, take note of phase rotation for future reference.</b>
3.0	<b>NOTE: De-energizing feeder 23B will remove power from the fire alarm panel DGP 4091 in building C-409. Ensure Fire Services is notified prior to removal of power.</b>
	<b><u>Work Area location: South-southeast of C400</u></b>
4.0	Put appropriate sections of ER-1 and 23B on LOTO to allow work to be performed safely.
5.0	Construction will interface with two 14.4Kv lines, overhead line ER-1 and overhead line 23B. The facilities that will be impacted by line ER-1 being de-energized will include Post 15, the C-205 Respirator facility, the C-102 Trailers, C-615-G Lift Station and C-746Q. The facilities impacted by line 23B include building C-409.
6.0	Install cross arms and brackets at pole P23B7 to accept aerial lines going south.
7.0	Install cross arms and brackets at pole T5-P32B to accept aerial lines routed north/north-east toward pole P23B7.
8.0	Install 60 ft. wood pole with cross arms, mounting bracket, ground wire, and 3 pole ganged switch at location between pole P23B7 and T5-P32B (near 2000.0S and 4000.0W) (New pole number is P23BD.)
9.0	Install overhead static line from pole T5-P32B to the new pole and to pole P23B7.
10.0	Install suspension insulators for aerial lines between poles P23BD and pole T5-P32B.
11.0	Install suspension insulator for aerial lines between pole P23BD and pole P23B7.

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12.0	Install aerial lines between P23B7 and new pole P23BD.
13.0	Install aerial lines between T5-P32B and new pole P23BD.
14.0	Install guys at poles opposite aerial lines
15.0	PMT – Check phasing on both sides of gang operated switch before operating.

**Attachments**

No.	Title
	N/A

**Reference dwgs:**

E7DC40000A004	Power Supply for C-400 Soil Treatment Electrical Power One Line Diagram
E5E-17192-A00	Paducah Plant Auxiliary Power Distribution System
E5X-17192-B00	Key Plan Overhead Distribution And Area Lighting
E5E-19329-C00, Rev. 1	System Engineering Support Office Power Distribution Pole Details
E-16040	Stabilization Building Electrical Power Plot Plan

**Modification Drawings:**

E5D-FA5270-A02, Rev. 0	C-100 HVAC Upgrade Lines 23B and ER-1 Tie Electrical Sections and Details
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**Facility Change Authorization**

Responsible Engineer	<i>C. A. Spang</i>	Date:	1/29/19
Checker	<i>Clay Stosmeyer/Clay Stosmeyer</i>	Date:	1/24/19
Engineering Manager or Designee	<i>Karen Ligon</i>	Date:	1/24/19