

DRAFT  
AEP Transmission Proposed Re-Arrangement Information  
7/14/2014

This re-arrangement information is all preliminary and subject to change.

Note that all “shifts” will occur along existing centerline (CL) except for the Ironton – Portsmouth line.

1. Lucasville – Sargents 138kV line (857+00)
  - a. Structure 16- will be shifted about +/- 20’ north, closer to the proposed road. This structure will be outside of ODOT R/W
  - b. **Structure 17 will be shifted about 160’ north, along the existing center line of the line.**
  - c. Structure 18- will be shifted about +/- 20’ north, away from the proposed road. This structure will be outside of ODOT R/W
  - d. Redesign work should be complete in May/June 2014
  - e. Structure relocation work to occur - **2<sup>nd</sup> quarter 2015**
2. Sporn – Portsmouth 138kV Line (167+50)
  - a. Tower 215 may be shift about 0’ to 150’ east
  - b. Due to the terrain, additional study and engineering is required before final design is determined and won’t be complete until fall 2014.
  - c. Tower relocation work planned for 3<sup>rd</sup> quarter of 2015
  - d. PJM approval required for circuit outage, which requires 1 year lead time.
3. South Point – Portsmouth 138kV Line (152+50)
  - a. Tower 138 will be removed and replaced with 2 towers.
  - b. Tower 138 A will be shifted +/-335’ west of existing Tower 138. New Tower will be outside of ODOT R/W
  - c. Tower 138 B will be shifted +/-595 east of existing Tower 138. New Tower will be outside of ODOT R/W
  - d. The transmission line will cross over the Bypass at approx. 151+50
  - e. Additional study and engineering is required before final design is determined and won’t be complete until fall 2014.
  - f. Tower relocation work planned for 3<sup>rd</sup> quarter of 2015
  - g. PJM approval required for circuit outage, which requires 1 year lead time.
4. Ironton – Portsmouth 69kV Line (41+00)
  - a. Structure 511 will be shifted about 20’ west of existing location outside of Highway R/W
  - b. Structure 510 will be shift 20’ west and **will be** within highway R/W.
  - c. Some guy wires will be removed
  - d. The distribution line will also require raising at this location.
  - e. Structure relocation work planned for 3<sup>rd</sup> quarter of 2014
  - f. PJM approval not required for outage, but circuit will need to be shut off.

The Sporn – Portsmouth 138kV line and the South Point 138kV lines are PJM critical lines and outages need to be requested at least 1 year in advance. The other two lines are not PJM critical lines. AEP should have the outages request submitted by early 2014. ODOT will be notified when the outage request are submitted.