



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 9 • 650 EASTERN AVENUE • CHILlicoTHE, OHIO 45601 • (740) 773-2691

JOHN R. KASICH, GOVERNOR • JERRY WRAY, DIRECTOR • VAUGHN WILSON, P.E., DISTRICT DEPUTY DIRECTOR

June 28, 2013

Ms. Tina Hairston
American Electric Power
Transmission Line Project Engineering
700 Morrison Road
Gahanna, Ohio 43230

Re: SCI-823 Portsmouth Bypass Ph. 1-3
State Job No. 491820
PID No. 19415
Reference Design Plans

Ms. Hairston:

The Portsmouth Bypass project is moving forward. The entire project, Phases 1-3 will now be sold as a Design/Build. We expect to send out Requests for Proposals, (FRP's) in January, 2014. The Design/Build Team, when selected, will determine the final design.

Our consultants, DLZ (Ph. 2) and HDR (Ph. 3) will each be sending you hard copy Reference Design Plans for your review. Due to the time required to relocate the AEP transmission lines through the project, we request that AEP transmission use these plans for design and construction of the existing facilities to be relocated, with the understanding that costs incurred for any subsequent relocations required by the final design plans will be reimbursed by the state.

After you have had time to review these plans, we would like to schedule a meeting within the next few weeks to discuss which facilities you have determined will need to be relocated, along with schedules and costs.

Since we have final design plans for Phase 1, construction on this phase could begin as early as autumn, 2014. Construction on Phases 2 and 3 could begin as early as the winter of 2014.

Please contact me with any questions you may have at 740-774-9075 or via e-mail at steven.pennington@dot.state.oh.us

Sincerely,

Tom Barnitz, PE
Planning & Engineering Administrator


by: Steven R. Pennington, P.S.
District 9 Utilities Coordinator

TB/SRP
C: File

Portsmouth Bypass – Utilities: AEP Relocation Discussion

ATTENDEES:

Tom Barnitz/ODOT	Doug Pack /ODOT
Kevin Irvine/AEP	Steve Pennington/ODOT
Brad Jones/ODOT	Chad Rundle/DLZ
John Heppner/AEP	Shawn Thompson/CH2M HILL
Ray Lorello/ODOT	Mike Wawzkiewicz/ODOT
Mark Manzo/ODOT	

COPY TO:

PREPARED BY: Nancy Brown/CH2M HILL

DATE: September 10, 2013

General Information

- The Portsmouth Bypass alignment (horizontal & vertical) has been established and will be provided to the shortlisted proposers for reference only.
- Construction of the Bypass is to begin in early 2015. AEP has not looked at the schedule and was not aware of when the relocations would be required. AEP would like at least one year notice for needed relocations. AEP needs a letter of commitment from ODOT that the Bypass Project is a go so that AEP can budget for relocations (even if costs are reimbursable).
- ODOT-planned relocation costs will be reimbursable by ODOT. Per the Technical Scope, the Developer shall not touch/impact an AEP line without ODOT approval for a post-Award relocation. The Developer shall own all schedule and cost risks associated with a post-Award relocation.
- Shortlisted Developers may contact AEP. AEP can talk to the Developers, but ODOT advised AEP to be consistent with all information communicated and provided.
- AEPs issue will be circuit outages. PJM controls transmission, and these lines will require longer lead times for outages. If the outage is less than 5 days, AEP/PJM will need one (1) month notice; if the outage is more than 5 days, AEP/PJM will need one (1) year notice. Some of the 138kV lines within the project footprint are controlled by PJM.
- Buy America is not a problem.
- AEP follows OSHA regulations for construction.
- AEP discussed vertical clearances at 120 degrees Fahrenheit:
 - For 69kV lines, the vertical clearance to the road is 28'
 - For 138kV lines, the vertical clearance to the road is 30'

CH2M HILL will make sure that these clearances are stated in the Technical Scope section.

The group next discussed each of the project-specific conflicts and a plan for relocation and coordination:

Ramp A/US 52: 69kV Line

- This line is NOT a PJM

- Due to Ramp A profile, existing poles will need raised by ~10'-15'. Three poles will be impacted, and will require steel poles because of height and guy wire issues.
- AEP providing deeds for easements to Steve Pennington.
- Per AEP, it'll be easier to have the circuit shut off.

South Point-Portsmouth: 2-138kV Circuits Line

- PJM required – at least one year lead time on any circuit outage.
- Relocation plans currently at preliminary design stage.
- Due to proposed alignment, need to replace two (2) towers, including supplemental easement costs (AEP to discuss with property owners). Impacted towers are 138 and 139; plan is to replace 139 and possibly relocate 138 approximately 150'-200' to the west. There is an existing ridge/access road to the west, but AEP is concerned about the stability of this location (take soil boring?).
- Per AEP, the Developer will need to maintain at least 30' vertical clearance throughout construction.

Sporn-Portsmouth: 138kV Line

- PJM required – at least one year lead time on any circuit outage.
- AEP looking to shift tower 215, east of the proposed alignment, approximately 120' east along the same alignment. Tower 215 is a tall tower with tough access and may require grading to relocate.
- Per AEP, the Developer will need to maintain at least 30' vertical clearance throughout construction.

Baker-Don Marquie (STA. 207+75): 765kV Line

- This line needs 66' of vertical clearance from the roadway.
- There does not appear to be a conflict with the proposed alignment.

N. Portsmouth-Oerteis: 69kV Line

- This tower (Structure #6) is in the R/W but outside of the construction limits.
- No perceived impact; Developer assumes relocation risk if construction limits change that impacts the structure.

Baker-Don Marquie (STA. 610+00): 765kV Line

- This line needs 66' of vertical clearance from the roadway.
- There does not appear to be a conflict with the proposed alignment.

Lucasville-Sargents: 138kV Line

- The proposed profile requires 90' of fill, which impacts 4 existing wood poles that need replaced; 2 of the 4 poles need replaced due to uplift concerns.
- New poles will be taller, steel structures (H-shaped). Poles will be outside of the construction limits, and thus, not impacted by the construction.
- This is the easiest AEP relocation on the project; can be done by 4th quarter '14.

- These are shared poles....telecommunication fiber also on line.

General Discussions

- AEP to provide CH2M HILL with locations of the existing towers (via electronic .pdf files of the drawings discussed at the meeting). CH2M HILL to provide AEP with X-sections at crossings with proposed alignment (existing/proposed towers). AEP will provide STA./ELEV. at the sag points for existing and proposed towers. CH2M HILL will use this information and put into a table in the Technical Scope Section for use in design by the Proposers.
- Based on information to be provided by AEP (see above bullet), CH2M HILL to confirm conflicts discussed at the meeting.
- Schedule:
 - ODOT would like AEP to consider relocations completed for Ramp A/US 52 and Lucasville-Sargents completed by the end of '14. These relocations would open up 90%+ of the project and not limit the Developer on construction access.
- By late October '13, AEP will provide ODOT the relocation schedules for conflicts at South Point-Portsmouth and Sporn-Portsmouth.
- AEP will investigate if they can make all the relocations under one project.
- Total cost of AEP relocations are estimated at \$4.4M, not including supplemental easement costs. Distribution costs will be added; AEP to coordinate distribution.



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JOHN R. KASICH, GOVERNOR • JERRY WRAY, DIRECTOR • VAUGHN WILSON, P.E., DISTRICT DEPUTY DIRECTOR

September 11, 2013

Mr. John Heppner
American Electric Power
Transmission Line Project Engineering
700 Morrison Road
Gahanna, Ohio 43230

Re: SCI-823 Portsmouth Bypass Ph. 1-3
State Job No. 491820
PID No. 19415

Mr. Heppner:

The Portsmouth Bypass project is moving forward. The entire project, (Phases 1-3) will now be sold as a single Design-Build-Finance-Operate-Maintain (DBFOM) project. The projects' procurement process is underway, with three Development Teams being invited to submit technical and financial proposals. We anticipate that construction could begin as early as fall, 2014.

Our consultants have sent you a hard copy of Reference Design Plans of Phases 2 and 3. The Development Team, when selected, will determine the projects' final design. Due to the time required to relocate the AEP transmission lines through the project, we request that AEP transmission use these plans to design the necessary relocations of your existing facilities. Participation costs incurred will be limited to the pro-rata percentage established in accordance with standard procedures for determining eligibility for reimbursement in the cost of utility rearrangements. Costs incurred for any subsequent relocation work required by the final design plans will be the responsibility of the Development Team.

Please consider this letter as authorization to proceed with the necessary preliminary engineering for this project. This authorization does not include approval to incur construction costs. Construction approval will be given by separate letter after your rearrangement plans and estimates, if applicable, have been reviewed and approved.

Please contact me with any questions you may have at 740-774-9075 or via e-mail at steven.pennington@dot.state.oh.us

Sincerely,

Tom Barnitz, PE
Project Manager

A handwritten signature in blue ink, appearing to read "Steven R. Pennington".

by: Steven R. Pennington, P.S.
District 9 Utilities Coordinator

TB/SRP
C: File