



**MWDOC Electrical System Rehabilitation Project Pre-Bid Meeting Questions & Answer Sheet
(5/14/19)**

- The lead time for procurement of electrical equipment is estimated to be up to 12 weeks. How can the work be completed within the specified 49 calendar days?
 - The project schedule will be increased to 95 calendar days to accommodate long lead times for procurement of electrical equipment.
- What is the engineer's estimate for the project?
 - The engineer's estimate for the project is \$245,000.
- Will additional information be provided regarding the existing transformer (T-22)?
 - The impedance from the transformer (T-22) per the as-built drawings is 5.75%. This value will need to be confirmed by the contractor that is awarded the job. A scheduled shutdown will need to be performed over a weekend in order to retrieve the specifications of the transformer.
- How much time is allocated for the scheduled weekend outage?
 - One day (8 hours) will be allowed on a scheduled weekend to perform the necessary work during the outage.
- Will the contractor be allowed to have more than one scheduled weekend outage?
 - An initial scheduled weekend shutdown will be allowed to retrieve the transformer specifications which should not last more than approximately one hour. A second full day shutdown (8 hours) will be allowed to perform work on the transformer.
- During the scheduled weekend outage, will the contractor be required to keep the electrical system up and running during? If so, will the contractor be required to supply a generator?
 - During the outage it is not necessary to keep the electrical system running.
- Is the 1,000kVA transformer (T-22) mounted on a slab box or a pad?
 - For billing purposes assume the transformer is mounted on a pad.

- Will the existing 400A circuit breaker need to be replaced?
 - For bidding purposes, the bidder shall bid based on replacement of the 400A circuit breaker with a 600A circuit breaker based on the MWDOC Electrical System Rehabilitation Project Specifications under Key Note 1 on Sheet E020.
- Is the ceiling area above the walkway and above the electrical room easily accessible?
 - The ceiling area above the walkway and electrical room is not accessible. Per drawings E210, Sheet Note 4 and E220, Sheet Note 5, run conduit exposed on ceiling, running along the face of the exterior wall, conduit, fittings, and supports shall be painted to match the existing finish of the surface they are mounted to.
- Who will be responsible for replacing landscape if removal is required during construction?
 - Once the project is complete, the contractor will be responsible for backfilling the trench and replacing any hardscape removed or modified. MWDOC will be responsible for replacing any plant landscaping.
- Per drawing E210 and E220, conduit installation is referenced in the Sheet Note section. What type of conduit is required for the project, galvanized rigid steel or PVC coated galvanized rigid steel?
 - The requirement is RGS (rigid galvanized steel) in areas exposed to physical damage and PVC schedule 40 or PVC coated RGS in underground locations and EMT is acceptable within the electrical room or if any is run up in the soffit/overhang.
- Will it be required to paint the conduit?
 - Once installed, it is required to paint the conduit to match the existing finish including any fittings and supports.
- Will it be acceptable to install the two 4" underground conduits outside the transformer pad with oversized LB fittings into the side of the transformer (T-22)?
 - Only if there is no access to get into the transformer from below.
- Would it be acceptable to run PVC-Coated Steel conduit in the underground duct bank to avoid encasing the conduit run in concrete?
 - The Contract is as stated but requests for substitutions may be reviewed per the General Conditions, Article 14, page 61.