

## State Capitol Building – Emergency Lighting Repairs

### Background

A survey of the State Capitol Building existing electrical panel 4ED4 has indicated that the circuit breakers associated with this panel (the existing circuit breakers enclosed by this panel and the existing feeder circuit breaker for the feeder that connects this panel to the existing Main Switchboard) have degraded to a point where they no longer function and require replacement. This project will replace the existing panel with a new panel and new branch circuit breakers. The existing branch circuiting (conductors and raceways) will be re-used. The existing feeder conductors for panel 4ED4 will be replaced as well as the feeder circuit breaker within existing Main Switchboard. The existing raceway between the existing Main Switchboard and the new panel 4ED4 will remain and be re-used for the new feeder conductors.

See Plan Sheets E-001 through E-007.

### Scope of Work

Request a proposal for all work, complete and in-place, for the following:

- Removal and replacement of existing electrical panel 4ED4, the branch circuit breakers it contains, its feeder and the associated feeder breaker as indicated on sheet E-005.
- The existing branch circuit conductors that originate from this panel to their present loads shall be reconnected to new branch circuit breakers within the new panel. Reconnect existing conduits attached to the existing panel to the new replacement panel.
- Removal and disposal of the existing feeder conductors only for the existing panel 4ED4. Provide new conductors between the existing Main Switchboard and the newly replaced panel 4ED4. The existing conduit run between the existing Main Switchboard and the new panel 4ED4 shall remain and be reused to enclose the new feeder conductors.
- Provide operational testing of all new electrical components provided.
- Properly dispose of all items removed by this contract.

### Notes

- **An existing power outage for the State Capitol is scheduled between Friday, November 22, 2024 at 5PM to Sunday November 24, 2024 at 5PM. All electrical work requiring an outage affecting the entirety of the existing Main Switchboard as a result of the work by this project shall occur at this time.**
- Contractor shall field verify existing conditions; to include electrical requirements and characteristics of existing fixtures and building power distribution prior to ordering any replacement electrical components.

### Time of Performance

- Provide schedule one week after notice to proceed.

- 2-month construction schedule.

**End**