

ARRC RFP #22-29-209775

Typical Installations Scope of Work examples

1. Typical Task B-1: Replacement of an existing railroad at-grade crossing warning system with (2 each) gates
 - i. Install a supplied prewired 6' x 6' PTMW hut with Siemens GCP-5000, Siemens ATOM, C&D battery banks, and chargers
 - ii. Install all supplied cabling and supply and install all 4" schedule 80 PVC conduit
 - iii. Supply and Install up to 4 each, type 3 junction boxes
 - iv. Install 2 each supplied pre-wired gate mechs, masts, and foundations
 - v. Complete all associated civil work
 - vi. Install supplied electrical service conductor from the existing electrical meter to the new 6' x 6' hut
 - vii. Test and calibrate the entire system to put the system back in service after the install is complete
 - viii. Remove any decommissioned equipment, conduit, and cable

2. Typical Task B-2: Replacement of an existing railroad at-grade crossing active warning system with an advanced warning light
 - i. Install a supplied prewired 6' x 6' PTMW hut with Siemens GCP-5000, Siemens ATOM, C&D battery banks, and chargers
 - ii. Install all supplied cabling and supply and install all 4" schedule 80 PVC conduit
 - iii. Supply and Install up to 4 each, type 3 junction boxes
 - iv. Install 2 each supplied pre-wired gate mechs, masts, and foundations
 - v. Complete all associated civil work
 - vi. Install supplied electrical service conductor from the existing electrical meter to the new 6' x 6' hut
 - vii. Test and calibrate the entire system to put the system back in service after the install is complete
 - viii. Install a supplied an advanced warning light and cable up to 500' from the crossing

3. Typical Task B-3: Replacement of an existing railroad at-grade crossing warning system with gates and cantilevers
 - i. Install a supplied prewired 6' x 6' PTMW hut with Siemens GCP-5000, Siemens ATOM, C&D battery banks, and chargers
 - ii. Install all supplied cabling and supply and install all 4" schedule 80 PVC conduit
 - iii. Supply and Install up to 4 each, type 3 junction boxes
 - iv. Install 2 each supplied pre-wired gate mechs, masts, and foundations
 - v. Complete all associated civil work
 - vi. Install supplied electrical service conductor from the existing electrical meter to the new 6' x 6' hut
 - vii. Test and calibrate the entire system to put the system back in service after the install is complete

- viii. Replace 2 each existing cantilevers with new cantilevers on new concrete foundations
4. Typical Task B-4: Replacement of an existing railroad at-grade crossing warning system with flashers
- i. Install a supplied prewired 6' x 6' PTMW hut with Siemens GCP-5000, Siemens ATOM, C&D battery banks, and chargers
 - ii. Install all supplied cabling and supply and install all 4" schedule 80 PVC conduit
 - iii. Supply and Install up to 4 each, type 3 j-boxes
 - iv. Install 2 each supplied pre-wired gate mechs, masts, and foundations
 - v. Complete all associated civil work
 - vi. Install supplied electrical service conductor from the existing electrical meter to the new 6' x 6' hut
 - vii. Test and calibrate the entire system to put the system back in service after the install is complete
 - viii. Install 2 each supplied pre-wired flashers, masts, and foundations
5. Typical Task B-6 & B-7: Replacement of an existing detector site with drag and hot box detectors
- i. Install supplied 4' x 6' PTMW hut, STC NG2, battery plant, cell modem, switch, batteries and chargers
 - ii. Install all supplied cabling and supply and install all 4" schedule 80 PVC conduit and j-boxes as needed
 - iii. Install supplied AEI tag reader and cabling
 - iv. Install drag detector, hot wheel, and hot bearing detectors
 - v. Remove any decommissioned equipment, conduit, and cable
 - vi. Install STC hot wheel and hot bearing detectors