

Bid Date: Friday, May 24, 2019

Project: City of Warrensburg: Downtown Electrical Upgrade Packaged Scope of Work

General Requirements

- 1) All existing conditions have been verified and requirements included to accommodate for such conditions.
- 2) Project tax status: **tax exempt**
- 3) Wage requirements: **Johnson County MO Determination 25**
- 4) Contractors are responsible for their material storage.
- 5) Daily site clean-up to General Contractor furnished dumpster or is to be hauled off.
- 6) All necessary equipment to complete the project in a responsible manner is to be included.
- 7) A preconstruction meeting will be held to coordinate shutting off streets and parking required by work activities. At that time a Phased approach will be presented for City review and comment.
- 8) Owner provided items:
 - a) Material testing by 3rd party
 - b) Traffic barricades. [GC will setup and return]

00 - RCI Self-Performance Package

- 1) Demolition:
 - a) Sawcut and remove necessary concrete flatwork.
 - b) Remove stone wall and salvage for installation.
 - c) Remove and salvage pavers.
 - d) Remove and dispose of chain-link fence at new Service Panel location.
- 2) Exterior Improvements:
 - a) Replace removed hardscape. [sidewalk / pavers]
 - b) Provide new bollards for protection of electrical equipment.
 - c) Replace removed chain-link fencing.
 - d) Repair / replace stone foundation wall.

01 - Electrical Contractor Package

- 1) Remove the existing festival electrical system and utility metering from Culton to Railroad Street.
 - a) Leave existing hand-holes, covers and underground raceways in place
 - i) Remove existing conductors, receptacles and associated components.
 - ii) Cap or plug existing conduits with pull string left in place for potential future use
- 2) Design Build to replace festival electrical services on Holden Street:
 - a) Provide a new 400A, 230V, Single Phase Electrical Service
 - i) To include a steel rack, new metering and service entrance distribution panel-board.
 - ii) To be located above the alley, north of the fence, in the S.E. Corner of the public parking lot north of Heroes Restaurant
 - b) Provide and Install five new distribution boxes (Pedestals or Ped):
 - i) Ped 1 (P-1): 124 Holden, north edge of building, north of the display window and south of its architectural column
 - ii) Ped 2 (P-2): 125 Holden, north corner of building, north of the display window (Salvation Army)
 - iii) Ped 3 (P-3): 117 Holden, south corner of building, north of the front door (Courtesy Loan)

- iv) Ped 4 (P-4): 113 Holden, south edge of building, between the south display window and the north architectural column of 111 Holden (Rockin Sports)
- v) Ped 5 (P-5): 112 Holden, north of the gated stairway (Java Junction)
- vi) Pedestal Specifications:
 - (1) Pedestals to match the existing provided in the most recent street project as manufactured by Milbank.
 - (2) Provide one 50A 230V breaker and one 50A 230V 4 wire receptacle
 - (3) Provide one 30A 120V breaker and one 30A 120V 3w receptacle
 - (4) Provide and install one 20A 120V breaker and one 20A GFCI duplex receptacle
 - (5) Pedestals shall be disassembled, powder coated black then reassembled prior to installation
- c) Underground Distribution
 - i) Excavate for and provide three new raceways and conductors from the new panelboard to a new hand-hole (N-HH-1) located near the existing transformer pole in the alley north of Heroes Restaurant
 - ii) Bore for and install three new raceways and conductors from N-HH-1 to a new hand-hole (N-HH-2) approximately 20 ft. south of 124 Holden and west of the existing steel bench and planters
 - iii) Excavate and install one raceway and conductors from N-HH-2 approximately 20 east to the existing hand-hole (E-HH-3)
 - iv) Extend two sets of conductors in existing raceway from E-HH-3 to E-HH-4
 - v) Excavate and install one raceway and conductors from E-HH-4 north and west to the new pedestal number 1 (P-1).
- d) Extend one set of conductors from E-HH-4, through E-HH-6, then from E-HH-6 to E-HH-7
- e) Excavate and install one raceway and conductors from E-HH-7 north and east to the new pedestal 2 (P-2).
- f) Seal and abandon in place the existing raceways between E-HH-4 and E-HH-5
- g) Seal and abandon in place the existing raceways between E-HH-6 and E-HH-7
- h) Bore for and install one new raceway and conductors from N-HH-2, east under Holden St to the new pedestal 3 (P-3)
- i) Bore for and install one new raceway and conductors from N-HH-2, east under Holden St to E-HH-8
- j) Excavate and install one raceways and conductors associated with circuits from N-HH-2 to P-3 and N-HH-2 to N-HH-8
 - i) Provide facilities and after-hours labor as required to maintain access to the existing business at 117 Holden (Courtesy Loan)
- k) Extend one two sets of conductors from E-HH-8, through E-HH-9, then from E-HH-10
- l) Excavate and install one raceway and conductors from E-HH-10 west to the new pedestal number 4 (P-4)
- m) Seal and abandon in place the existing raceways between E-HH-10 and the next existing hand-hole south from its location
- n) Extend one set of conductors from E-HH-10, to E-HH-11
- o) Remove existing concrete and pavers as required. Excavate and install one raceway and conductors from E-HH-11 north and east to the new pedestal number 5 (P-5).
- p) Seal and abandon in place the existing raceways between existing E-HH-11 and E-HH-12