

CITY OF WAPAKONETA – ELECTRIC DEPARTMENT

Solicitation of Cost Proposals

The City of Wapakoneta is soliciting for cost proposals for the construction of an approximate 3,400 sq. ft. pre-engineered maintenance building extension at the City Electric Department located at 251 Industrial Drive – Wapakoneta, OH 45895.

GENERAL REQUIREMENTS:

Construct an approximate 3,400 sq. ft. pre-engineered maintenance building as an extension of an existing building to provide additional maintenance and storage for the City of Wapakoneta Electric Department. Building is to be constructed to current state and local building codes.

- Contractor to obtain structural and electrical permits from the State of Ohio. City of Wapakoneta, in concert with the Miami County Building Department, to furnish local permits. Contractor to furnish worker's compensation certification from the State of Ohio.
- Liability and builder's risk insurance; clean up during construction; and final cleanup at completion of project.
- Building will be of adequate soil-bearing capacity of 2,500 psf or better.
- Contractor to comply with the state of Ohio and Federal safety regulations. Regulations 29:1910 subpart Z-Toxic and Hazardous Substances with Materials Safety Data Sheets (MSDS) -and- 29:1926 Safety and Health Regulation for Construction.
- Rock excavation shall be defined as any material requiring drilling, barring, jack hammering or blasting to effect removal, and boulders in excess of one cubic yard volume. Cost of rock removal to building site will be by change order.
- Contractor to furnish temporary sanitation, telephone, and job trailer.

SITE WORK:

- Stake out building site, building footers and elevations. Remove topsoil to subgrade elevation.
- Excavate for footers of foundation walls and building piers with all excavation material to remain on site.
- Fill material below concrete slabs to be 6" limestone and compacted to subgrade elevation.
- All disturbed soil areas shall be graded with seeding by City.
- Remove concrete foundation wall, metal siding and insulation from existing end-wall.

CONCRETE:

Footers: to be earth formed and poured with 3500 psi designed concrete. Concrete to be reinforced with #4 steel reinforcement bar.

Foundation: to be 8" thick formed and poured with 3500 psi designed reinforcement bar.

Piers: to be formed and poured with 3500 psi designed concrete. Concrete shall be reinforced with steel reinforcement bar. Piers shall be sized for applicable loads. Piers include the required size and number of anchor bolts.

Floor: to be formed and poured with a minimum of 4000 psi designed concrete. Concrete shall be reinforced with 6x6x6 steel wire mesh. Surface to be smooth trowel finish. Saw cut concrete as required to control shrinkage cracks and apply (1) coat of sealer. Thickness of floor shall be 8 inches. Vapor barrier shall be 6 mil thick plastic over gravel sub base. Place 6" concrete filled pipe bollards on each side of overhead door jambs.

Exterior Concrete: to be 8 inch thick concrete for 10' x 85' apron. Concrete will be minimum 4000 psi designed concrete with a broom finish.

THERMAL AND MOISTURE PROTECTION:

Metal Building Insulation: to be fiberglass with white reinforced foil WMP-10 facing. Insulation thickness shall be 6" in roof and 4" in walls.

DOORS AND WINDOWS:

Service Doors: quantity of one (1) 3'-0" x 7'-0" hollow metal doors with hollow metal frame. Door hardware includes hinges, closer, lockset, weather-stripping and threshold. Door is pro-finished.

OVERHEAD DOORS: quantity of three (3) 12' x 16' insulated steel sectional doors with electric operators.

CONSTRUCTION: Pre-Engineered Metal Building

- Size: 85 feet wide x 40 feet long x 20 feet eave height building.
- Structural loads: 20#/sf. Live load per OBC 2017, exposure "C", seismic site class "D".
- Ground snow load: 20#/sf.
- Roof slope: double slope 1:12 pitch.
- Frame system: rigid frame.
- End wall framing: non-expandable.
- Bay quantity & spacing: 2@20'.
- Roof covering: 24-gauge galvalume standing seam roof paneled steel wall panel.
- Exterior wall covering: 26-gauge screw-on painted steel wall panel.
- Trim: painted steel fascia, gutter, downspout, and wall base trim.