ADDENDUM #4 - July 25, 2016

CITY OF MATTOON
PUBLIC WORKS BUILDING
401 DEWITT AVE EAST

Please incorporate the following changes into the bid documents for the project:

Specification 16050 Electrical
We are amending the conduit requirements that were issued with Addendum #3 on Friday. EMT with compression fittings, and GRS with both be allowed for the conduit in the shop area. Schedule 80 PVC will be required in the Wash Bay.

Revised Specification Page 16050-5 is attached.
Please discard Specification Page 16050-5 that was issued with Addendum #3.

CONDUIT IN THE SHOP AREA SHALL BE EMT WITH COMPRESSION FITTINGS, OR GRS WITH THREADED FITTINGS.
CONDUIT IN THE WASH BAY SHALL BE SCHEDULE 80 PVC WITH SOLVENT WELD JOINTS.
ADDENDUM #4.

3. EXECUTION

3.01 INSTALLATION

A. Cooperate with other contractors engaged in project. Execute work in a manner not to interfere with other contractors.

B. Coordinate work with other contractors regarding location and size of pipes, raceways, ducts, openings, switches, outlets, so there is no interference between installation or of progress of any contractor.

C. Install all equipment with ample space allowed for removal, repair, or changes to equipment. Provide ready accessibility to removable parts of equipment and to all wiring without moving equipment installed or already in place.

D. Where cutting is required to facilitate construction, patch and repair, cut items to original state. Do not cut structural work without prior written approval of Architect/Engineer.

E. Cut holes through concrete and masonry with a diamond core drill or concrete saw. Pneumatic hammer, impact, electric, hand or manual hammer type drills not allowed, except where permitted by Architect/Engineer because of limited working space.

F. Make floor, exterior wall and roof seals watertight. Sleeve walls and floors which are cored for installation of conduit with steel tubing, grouted and space between the conduit and sleeve fill as specified herein.

G. At project completion, clean all equipment to the original finish. Remove all shipping labels.

3.02 CONDUIT

A. Conduit Schedule. Minimum Conduit Size: 3/4" unless otherwise specified. Install switch legs in ½" conduit where in accordance with NEC.

B. Install conduit as follows:

1. Use EMT conduit for branch circuits in partitions and drop ceiling areas and telephone and data systems.
2. Use flexible conduit as herein specified.
3. Use Sch. 40 PVC conduit for underground applications.
4. Use rigid steel for all conduit larger than 2" trade size in floor slabs. All conduit in slabs larger than 2" diameter shall be rigid steel, rigid schedule 40 PVC may be used beneath slabs. Sch. 40 PVC conduit may be used for conduit smaller than 2" trade size in floor slabs.
5. EMT with steel compression fittings is acceptable in masonry walls.
6. Sch. 40 PVC conduit may be used for conduit below floor slabs.

C. Conduit Runs:

1. Size all conduit as indicated on Drawings; where not shown, in accordance with National Electrical Code. Make all conduit systems mechanically and electrically continuous from source of current to all outlets, and ground in accordance with the National Electric Code.
2. Conceal conduit wherever possible, or expose as shown or noted on the drawings and as specified herein. Run all exposed conduit parallel to building walls using right angle bends. Exposed diagonal runs of conduit will not be permitted. Do not install conduit on roof surfaces unless specifically indicated on drawings.
3. Ream conduit after threads are cut. Cut ends square and butt solidly into couplings.
4. Prevent the accumulation of water, foreign matter or concrete in the conduits during execution of work. Temporarily plug conduit, blowout and swab before wires are pulled.