

CHAMPAIGN COUNTY ENGINEER

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GUIDELINES FOR THE INSTALLTION OF UNDERGROUND FIBER OPTIC CABLE

The following guidelines have been established for the installation of underground fiber optic cable in the road right-of-way within Champaign County.

1. The cable shall be laid two to four feet from the edge of the pavement. The depth shall be a minimum of 48".
2. The cable should be laid back to the line of the road right-of-way 50 feet each side of the culverts (structures less than 10 feet span) with enough length of cable for 100 feet slack. The depth of the cable in this area shall be 72" below the invert of culverts.
3. The cable should be laid back to the line of the road right-of-way within 100 feet each side of the bridges with enough length of cable for 200 feet slack. The depth of the cable in this area shall be 72" below the elevation of the flow line at the outlet of the bridges.
4. We ask that the installing utility submit a permit request with plans and a work order for both fiber optic and copper wire installation.
5. Champaign County Engineer's survey crew will stake location of all structures listed in their records. Before commencing your work, we ask 10 working days notice. This should be ample time for the crew to provide the above service.
6. When conduit is installed only appropriate cable shall be used relating to depth requirements. All installations must have tracing wire for ease of future location.

We believe the above requirements will reduce the need for and the cost of any future changes on the site for both the county and the utilities. The material cost for the cable is minimal compared to the installation cost and repair costs. We have been advised by other active utilities in our county that the elimination of possible relocation of the cable would well justify extra precautions and work in the design and construction stages.

Please call us if you have any questions or you need further information.

Sincerely,

STEPHEN E. McCALL
County Engineer

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