



CITY OF MCMINNVILLE, TENNESSEE

101 EAST MAIN ST.
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SIGNAL SPECIFICATIONS

- **Controller Equipment Cabinet:** Controller equipment cabinets shall be eight phase, weatherproof aluminum and shall be installed in accordance with the TDOT Standard Specifications for Road and Bridge Construction Manual January 1, 2015, Section 730.25 and TDOT Standard Drawing T-SG-5. Cabinets shall be concrete pad mounted. The concrete pad shall be utilized for maintenance and servicing of the cabinets and components.
- **Cantilever Signal Supports:** Cantilever signal supports shall be installed in accordance with the TDOT Standard Specifications for Road and Bridge Construction Manual and TDOT Standard Drawing T-SG-10. Span wiring signal supports may be allowed in certain intersections if cantilever signal supports cannot be utilized, all proposed span wiring must be reviewed and accepted by the City of McMinnville prior to installation.
- **Signal Controllers:** Signal controllers are required to be Siemens Eagle controllers.
- **Vehicle Detection:** Vehicle detection shall be microwave radar detection for stop bar detection and for advanced detection.
- **Signal Heads:** Signal heads shall be yellow aluminum with L.E.D. lighting, installed in accordance with TDOT Standard Specifications for Road and Bridge Construction Manual.
- **Pedestrian Signals:** Pedestrian signals shall be countdown pedestrian signals installed in accordance with TDOT Standard Drawing T-SG-7.
- **Pull Boxes:** Pull boxes shall be TDOT Type B with traffic rated lids and shall be installed in accordance with TDOT Standard Drawing T-SG-2.
- **Wiring:** Wiring shall be 14 gauge or larger and installed in accordance with TDOT Standard Specifications for Road and Bridge Construction Manual.