



# TRAFFIC SIGNAL CONDUCTOR NOTES

## Traffic Signal Conductor Notes

1. IMSA 25, 7, and 4 Conductor cables shall be No. 14 AWG IMSA 19-1. All IMSA conductors shall be solid.
2. All new wire (both underground and overhead) shall be provided and installed by the contractor.
3. Contractor shall be responsible for providing multi-colored conductors which meet the color coding identified in Town of Queen Creek Standard Detail TS-02.
4. When splicing 25 Conductor cables in pull boxes, only those Conductors that will be utilized in the specific pull box are to be cut. All other Conductors shall run through the pull box uncut. 25 Conductor shall run continuously from Controller Cabinet through all pull boxes.
5. Install No. 8 bare bond in all empty conduits.
6. All luminaires and illuminated street name signs shall have separate fuses installed in pull boxes at the base of the pole.
7. All pull boxes and lids shall be "Christy Fiberlite". Lids shall be provided with locking devices and appropriate wording on lids "TRAFFIC SIGNAL".
8. When installing two pedestrian signal heads on one support pole, a 4 conductor cable shall be ran to each signal head.
9. Splices in pull boxes shall be made with Ideal (or approved equal) silicone filled wire nuts.
10. Contractor shall use colored tape to code all traffic signal conductor cables, emergency vehicle pre-emption cables, and video detection cables in each pull box per Town of Queen Creek Standard Detail TS-03.
11. Splicing of conductors shall not be allowed inside conduits.