

## **PN 621b – 4/16/1996 - Signal Maintenance Personnel Requirements (632, 633)**

The Contractor shall assign a supervisor for this project. The supervisor shall be a full time employee of the contractor. The contractor shall not change a supervisor assigned to a project without prior written notice.

All controller work as defined below in items 1 thru 4 shall be performed by an International Municipal Signal Association (IMSA) level two certified technician.

1. Back panel wiring terminations
2. Programming
3. Turn on
4. Troubleshooting

The Contractor shall also have a foreman assigned to each crew performing work for this project. A foreman shall be present at all times when work is performed by the crew. Each foreman shall be an IMSA level one certified technician. Prior verbal notice shall be provided to the engineer by the contractor in order to replace a crew foreman.

In addition, crafts people performing work as defined below in items 1 thru 7 shall be performed by an IMSA level one certified technician.

1. Cable splices
2. Signal head installation
3. Cable and wire installation
4. Power service installation
5. Ground rod testing
6. Cable insulation testing
7. Field wiring terminations

The Contractor shall provide a minimum of two (2), fully equipped four (4) person crews. However, this does not preclude the use of a smaller crew on items requiring fewer people with the prior written approval of the engineer. This requirement is in addition to satisfying the requirements of section 108.05 of the C&MS.

The Contractor shall present to the Engineer, prior to the commencement of work, the IMSA level one and two certification papers for all signal technicians working on this project.

***Designer's note:***      *This proposal note will be included in all signal maintenance plans and other electrical traffic control device maintenance contracts where more than one crew is required to perform work starting after July 1, 1996 when items 632 or 633 are called out.*