

RADIO TOWER TECHNICIAN

KIND OF WORK

Maintenance and repair of radio towers and equipment.

NATURE AND PURPOSE

An employee in this class is responsible for the maintenance and repair of radio towers and radio communication antenna systems for highway patrol radio transmitting stations throughout the state.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Installs, inspects and repairs coaxial cables.

Inspects and repairs radio transmitting antenna systems.

Inspects and repairs tower lighting conduit.

Repairs or replaces defective or damaged radio tower light fixtures and photo-electric switches.

Prepares simple drawings of proposed radio structural repairs or replacements.

Tests bolts for required tension and replaces them when necessary.

Paints radio towers and equipment.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Thorough knowledge of proper methods of raising scaffolding.

Considerable knowledge of radio communication antenna systems and equipment.

Considerable knowledge of federal and state regulations pertaining to the lighting and painting of radio towers.

Working knowledge of paints and paint application.

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Ability to:

Ability to climb radio towers and work efficiently at great heights.

Ability to read and follow structural detail drawings of radio towers and schematic drawings of electrical circuits.

Est.: 4/55
Ckd.: 11/92

T.C.: 10/68
Former Title(s): Radio Tower
Mechanic