

**CLASSIFICATION:** CONSTRUCTION TECHNICIAN

**Class Code:** 2151-15

**Date Established:** 4-11-05

**Occupational Code:** 5-3-5

**Date of Last Revision:** 08-03-15

**Exempt Status:** Non-Exempt

**BASIC PURPOSE:** To perform skilled facilities construction duties and assist in supervising work performed by contractors and seasonal workers.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES:**

- Operates excavator, loader/backhoe, bulldozer, heavy trucks of 36,000 GVWR or larger and trailers of 40,000 GVWR or larger to construct public access sites, and other projects.
- Works in a multitasked environment of site construction projects through all phases of construction including layout, stumping, grubbing, rough grading, placement of fill materials, slope and drainage construction, final grading of select materials, loaming, seeding and landscaping to provide project completion.
- Operates various types of equipment including gasoline powered air compressor, jackhammer, air tools, compactor and cut off saw as well as standard shop equipment such as drill press, hydraulic press and grinders.
- Fabricates steel platforms for concrete ramps using an electric welder, and performs general welding on equipment and truck bodies.
- Supervises assigned crew on small projects and on snow removal operations and operates plow truck and sander.
- Performs repairs and mechanical work on standard and specialized heavy equipment such as gasoline and diesel engines, excavator, loader/backhoe, and bulldozer.
- Operates specialty equipment including adjustable grade laser level, depth master, builder's level and rod.
- Makes field adjustments and emergency repairs on all power tools and light equipment, and trouble shoots equipment to determine a diagnostic evaluation of mechanical problem.
- Installs and adjusts brakes, oil seals and wheel bearings on all equipment that has air brakes, and installs and repairs hydraulic systems on all types of equipment.

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**DISTINGUISHING FACTORS:**

**Skill:** Requires skill in developing formats and procedures for special applications OR in investigating and reviewing the use of equipment and data for a specialized function.

**Knowledge:** Requires understanding and using business or trades vocabulary or basic arithmetic to perform standard operating procedures.

**Impact:** Requires responsibility for contributing to immediate, ongoing agency objectives by facilitating the direct provision of services to the public or other state agencies. Errors at this level result in inaccurate reports or invalid test results and require a significant investment of time and resources to detect.

**Supervision:** Requires partial supervision of other employees doing work which is related or similar to the supervisor, including assigning job duties, providing training, giving instructions and checking work.

**Working Conditions:** Requires performing regular job functions in an environment which includes exposure to continuous physical elements or a number of disagreeable working conditions with frequent exposure to minor injuries or health hazards.

**Physical Demands:** Requires medium work, including continuous strenuous activities such as frequent reaching, bending, or lifting as well as performing work activities which require fine manual dexterity or coordination in operating machines or equipment.

**Communication:** Requires explaining facts, interpreting situations, or advising individuals of alternative or appropriate courses of action. This level also requires interviewing or eliciting information from state employees or members of the general public.

**Complexity:** Requires a combination of job functions to establish facts, to draw daily operational conclusions, or to solve practical problems. This level also requires providing a variety of alternative solutions where only limited standardization exists.

**Independent Action:** Requires a range of choice in applying a number of technical or administrative policies under general direction and making routine decisions or in recommending modifications in work procedures for approval by supervisor.

**MINIMUM QUALIFICATIONS:**

**Education:** High school diploma, G.E.D. or its equivalent.

**Experience:** Four years of experience in the operation of heavy equipment in all phases of site construction.

**License/Certification:** Must obtain a valid Class A Commercial Driver's License (CDL-A) with appropriate endorsements from the state of residence within one (1) year of date of hire unless candidate possesses CDL-A at time of appointment.

**RECOMMENDED WORK TRAITS:** Extensive knowledge of modern materials, equipment and methods used in highway, dam, building or general construction and maintenance. Knowledge of state laws and regulations pertaining to motor vehicle operation. Ability to place, layout and supervise workers engaged in highway, dam, building or general construction work. Ability to work out-of-doors for long periods under varying climatic conditions. Ability to read construction plans. Skill in the use of construction tools and equipment. Demonstrated agility, mechanical ability, resourcefulness, initiative and sound judgment. Ability to establish and maintain harmonious relationships with employees and the public, as well as landowners abutting the projects. Knowledge of winter maintenance operations and willingness to perform night weather patrol assignments. Must be willing to maintain appearance appropriate to assigned duties and responsibilities as determined by the agency appointing authority.

**DISCLAIMER STATEMENT:** This class specification is descriptive of general duties and is not intended to list every specific function of this class title.