

SR. BRIDGE CONSTRUCTION WORKER

DISTINGUISHING FEATURES OF THE CLASS: This work involves responsibility for the fabrication, installation and repair of concrete structures and structural components used in and on bridges, culverts and similar structures as well as installation and repair of various types of guiderail systems. Employees of this class are required to perform work in various fields such as welding, carpentry, painting, masonry and general maintenance as the occasion demands. An employee in this class differs from that of Highway Maintenance Worker by virtue of its expanded scope, level of responsibility and oversight responsibilities. The employee works under general supervision allowing for the exercise of independent judgement in carrying out the details of the work. Guidance and direction may be exercised over the work of subordinate employees. The Sr. Bridge Construction worker will guide the crew in the absence of the Highway Maintenance Road Section Supervisor. A Sr. Bridge Construction Worker does related work as required.

TYPICAL WORK ACTIVITIES:

- Acts as a lead worker for the Highway Maintenance Workers, Certified Welders, Welders, and Laborers in the fabrication and installation of concrete structures and various types of bridge and guiderail systems;
- Builds forms used in bridge and other construction for pouring concrete;
- Mixes and pours cement and mortar using hoe or concrete mixing machine;
- Levels, smooths and finishes surfaces of poured concrete using hand tools or power tools, including floats, trowels and screeds;
- Molds expansion joints and edges, using edging tools, jointers and straight edge;
- Repairs and builds catch basins and sluices;
- Lays out worksites with survey instruments following blueprints;
- Participates in soil excavation using hand tools or motorized equipment;
- May braze, flame-cut and weld to fabricate or repair equipment;
- Operates motorized trucks, vehicles and equipment necessary for the performance of duties;
- Performs minor maintenance on equipment;
- Loads and unloads materials and supplies and records goods received;
- May maintain records and reports of services performed and materials received and used;
- Maintains inventory of stock items

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL

CHARACTERISTICS: Thorough knowledge of the common principals, practices, tools, terminology and safety precautions associated with bridge construction and guiderail projects and material handling; general knowledge of road systems; skilled in the use of hand and power tools used in masonry and carpentry work; skill in the use of various welding and cutting equipment including but not limited to electric arc, MIG, acetylene or plasma; skilled in the operation of a

motor vehicle; ability to read plans and specifications; ability to communicate, understand and execute oral and written directions; ability to lay-out work for oneself and others; ability to read plans and specifications; ability to work in a safe and efficient manner; mathematical and mechanical aptitude, dependability, flexibility to coordinate different types of work/projects; willingness to work in inclement weather; physical condition sufficient to perform the essential functions of the position.

MINIMUM QUALIFICATIONS: Five years of experience involving the construction of bridges, guiderails, general carpentry, masonry or related field.

SPECIAL REQUIREMENT: Possession of a valid Class A or B Commercial Driver's License to operate a motor vehicle in New York State Motor Vehicle and must maintain throughout employment in this classification.

CATTARAUGUS COUNTY CIVIL SERVICE

Adopted: 6/20/96

Revised: 7/13/21