

Class Concept

This is supervisory work in the administration and management of the statewide program for special and in-depth safety inspections of structures.

Employee oversees and supervises the inspection of bridges, steel light standards, overhead and cantilever sign structures, culverts, large pipes, tunnels and overhead structural walkways. Work includes reviewing, evaluating and approving inspection reports concerning written descriptions, condition grading of all deteriorated items and a general evaluation and determination of safe load carrying capacity. Employee will also oversee or conduct inspections of the most complex or critical structures and will make recommendations concerning the replacement, repair or rehabilitation of all inspected structures. Incumbent in this class is the responsibility for the supervision of five Bridge Inspection Supervisors, the overall evaluation of the inspection programs, development of new inspection procedures, evaluation of new testing equipment and establishing inspection priorities to meet Federal regulations and State goals regarding type and number of inspections. Work may include performing other duties as assigned.

Recruitment Standards

Knowledge, Skills, and Abilities

- Thorough knowledge of Federal and State bridge inspection principles, techniques, procedures and equipment; bridge construction and materials characteristics; and bridge designs and construction, maintenance or repair principles and procedures.
- Ability to supervise, train and coordinate the work of others; evaluate program efficiency and recommend improvements; and ability to interpret structure plans and specifications.
- Physical ability to climb ladders, scaffolds, access equipment, bridge and sign structures; and ability to prepare narrative reports and make presentations on current status and expected results to upper management and the FHWA.

Minimum Education and Experience

Bachelor's degree in Civil Engineering Technology from an appropriately accredited institution and four (4) years of progressive experience in the design, construction or maintenance of major concrete or steel structures; or

Associate's degree in Civil Engineering Technology from an appropriately accredited institution and eight (8) years of progressive experience in the design, construction or maintenance of major concrete or steel structures; or

High school or General Education Development (GED) diploma and ten (10) years of progressive experience in the design, construction or maintenance of major concrete or steel structures; or an equivalent combination of training and directly related experience.

Necessary Special Qualifications

Successful completion of FHWA approved comprehensive bridge inspection training and/or tunnel inspection training and FHWA approved fracture critical inspection techniques for steel bridges training.