

Class Concept

This is advanced level technical engineering work supporting engineers. Positions in this classification perform technical duties supporting engineers and other professionals in areas such as construction, materials testing, design, surveys, and/or program/regulatory compliance. Work functions may include: inspection for compliance and/or code; collection and analysis of field data; testing of materials; review, modification and/or design of plans; analysis of engineering related data, products, and/or functions. Work may include functioning in a full supervisory role for direct reports including performing/supervising several administrative functions or supervision of a separate function of considerable complexity. Some positions may serve as survey crew leader, independently direct activities of other survey crewmembers in collecting field data on complex surveys.

Recruitment Standards

Knowledge, Skills, and Abilities

- Thorough expertise and understanding of concepts, practices, and theories used in the technical specialty area; ability to serve as technical expert while independently accomplishing assigned task.
- Thorough knowledge of state and/or federal rules and regulations for specific program area, to ensure compliance and provide guidance/interpretation.
- Thorough knowledge and skill in the use of equipment and/or software.
- Ability to independently conduct complex inspections for compliance with contract agreements, standards/codes and specifications.
- Ability to perform the most complex technical work in either a specific materials area or perform a wide range of sampling, testing and inspection duties to determine the adherence to codes/standards.
- Ability to exercise a wide range of decision-making and judgment.
- Ability to effectively use verbal and nonverbal skills to express complex technical and/or program concepts and related facts in a clear, concise, organized and persuasive manner.
- Ability to modify delivery, language or material to account for the characteristics and needs of the audience.
- Ability to require ability to serve as lead or resource.
- Ability to maintain detailed records; ability to analyze findings and recommend corrective actions.

Minimum Education and Experience

Associate's degree in Civil Engineering Technology, Survey Technology or assigned discipline from an appropriately accredited institution and three (3) years of progressive technician level experience; or an equivalent combination of education and experience.