Job Description: ITS / Smart City Director

NNTW National Network for the Transportation Workforce

Alternative Job Titles

Senior ITS Engineer, ITS Director, Transportation Engineering and Operations Bureau Chief

Job Description

Responsible for citywide technology governance, strategic planning/policy development to advance Smart City solutions for infrastructure, energy, water and waste management; transportation alternatives, building/properties, and programs that promote technology literacy and public access to government information. Oversee diverse urban multimodal transportation needs critical to supporting ongoing safe/efficient management of a balanced street system that fully accommodates the needs of people who walk, bike, drive, and use transit.

- Collaborate with City departments working to devise Smart City solutions.
- Assist departments in managing, analyzing, interpreting data produced through Smart City implementations.
- Help departments ensure Smart City projects comply with City laws, policies, and standards.
- Work with appropriate IT teams on Smart City projects being proposed/planned.
- Ensure City standards of enterprise architecture, project management, procurement, security, privacy, social equity, data management, and performance are factored into the design of Smart City projects.
- Maintain a high level of education and awareness of developments in the Smart City technology environment.

Knowledge Requirements

- Analysis/Research/Report Methods
- Regulatory environment related to Area
- Transportation Modeling
- Budgeting/Financial Analysis
- Statistical Theory/Methods
- Project Management
- Commitment to diversity, inclusion, and equity in the organization and throughout service delivery

Technical Skills Requirements

- Smart City Technologies & Data Mgt.
- Internet of Things technologies
- AutoCAD Electrical
- MUTCD, IMSA Signal Certification
- National Electric Code
- PE license (for some positions)
- Complete Streets project management
- GIS, Microsoft Office Applications

Required Skills & Abilities

- Presentations (Public Speaking)
- Written and Oral Communication
- Plan and Coordinate Projects
- Stakeholder Engagement
- Customer Relations
- Management/Supervision
- Prepare/Administer Budgets
- Judgement & Decision-making
- Critical Thinking
- Complex Problem Solving
- Leadership

Typical Salary

- Salaries are wide-ranging and dependent on the size of the municipality and its location.

Education & Work Experience

- Master's degree in Transportation Engineering, Urban Planning, or Information & Data Sciences preferred.
- Bachelor's degree accepted for most; education and work experience that fulfill requirements is acceptable.
- Extensive senior-level management experience in Traffic Engineering, Transportation Planning, or Smart City Planning and managing complex projects and teams preferred.