

CITY OF HAMILTON

PUBLIC WORKS DEPARTMENT

(TRANSPORTATION ENERGY AND FACILITIES DIVISION – TRAFFIC ENGINEERING – LOCATION 1375 UPPER OTTAWA)

PROJECT MANAGER – ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) - CUPE 1041

SUMMARY OF DUTIES

Reporting to the Senior Project Manager of Transportation Systems, this position is responsible for the planning, implementation and operation the City's Advanced Traffic Management System (ATMS).

Assumes accountability and responsibility for the development of capital and annual budget programs related to the City's ATMS initiatives in a high quality, cost effective and timely manner through the best use of financial and staff resources.

Provides technical support for developing, expanding, and maintaining the operating hardware and software as well as the various systems used to integrate the ATMS.

Provides support and guidance for the operation of Traffic Signals and the ATMS.

Promotes a service-oriented culture and focus and promote teamwork and integration. The Project manager will participate with customers and with other parties in cross-functional and cross-program initiatives.

Provides guidance and leadership to staff on matters related to the ATMS and Traffic signal operations.

Liaises with internal divisions and outside agencies on traffic signals and ATMS related initiatives.

GENERAL DUTIES

Develop short term (0-5 years) and long range (5+ years) strategies for the continued implementation, operation and maintenance of the City's ATMS (hardware, software, policies) and Signal Operations including Capital and Annual budgeting,

Develop a preventative maintenance program for the continued upkeep of the system,

Work cooperatively with Traffic Operations, Traffic Services, Information Technology, Procurement and other relevant departments, divisions and partners in the development of said plans,

Provide technical training and guidance to Traffic Operations and Engineering staff on matters related to the ATMS and day to day Traffic Signal Operations,

Assist the Project Manager, Traffic Signals and Systems with the development and review of traffic signal timings and drawings,

Fulfills typical staff management functions such as performance management, mentoring and interviewing,

Provides creative leadership and direction to staff within the Section. Promotes teamwork and integration between internal and external parties participating in cross functional and cross program initiatives.

Provide traffic signal comments on capital road and development projects,

Develops tender documents and proposal requests. Evaluates tender results and RFP results and recommends preferred vendors. Project manages consultants and contractors, including authorizing progress payments,

Undertake quality control checks and appropriate troubleshooting in an effort to identify and resolve system deficiencies and problems. Initiate appropriate repairs and maintenance to ensure system components operate effectively and efficiently (work order management),

Investigate and test new and emerging technologies within the scope of Traffic Signal Operations and ATMS,

Prepare technical specifications and other procurement related documents (tenders, RFP, RFQ etc.) for parts, materials and services in accordance with applicable policies,

Prepare reports to Committee and Council as required,

Coordinate the procurement and delivery of materials and services with vendors and other partners as well as work with Traffic Services to ensure adequate levels of tools and materials are stocked at all times,

Maintain accurate records and relevant filing systems and asset management,

Respond to enquiries from all customers in a timely manner (Council, partners, residents, staff etc.)

Perform other duties as assigned that are directly related to the major responsibilities of the job.

Work in accordance with the provisions of all Federal, Provincial, Corporate and Departmental policies and procedures.

QUALIFICATIONS

1. Proven knowledge of industry theories, best practices and trends related to Traffic Signal Operations normally acquired by attaining an engineering technologist diploma in Transportation Engineering Technology or an equivalent combination of education and work-related experience. Certification as a C.E.T with O.A.C.E.T.T. in the discipline of Transportation/Traffic Engineering is considered an asset.
2. Knowledge and experience in Traffic Signal Operations, and ATMS operation and implementation
3. Considerable experience with traffic control signals and systems.
4. Project management experience in managing large, complex, multi-faceted projects and applications.
5. Proven experience working with centralized traffic control systems.
6. Proven experience procuring, testing, deploying, operating and managing various traffic signals components including, but not limited to, video detection systems and surveillance cameras, Traffic Controllers, Accessible Pedestrian Signals, emergency pre-emption, transit priority, and variable message signs.
7. Proven experience with budgeting and the procurement of Traffic Signal contracts and assignments in a municipal environment
8. Demonstrated ability to effectively lead staff in a results-oriented environment and in a predominantly unionized environment.
9. Possess a demonstrated record of technical competence, customer focus, staff delegation and empowerment.
10. Knowledge in the general workings of network switches, cell modems, virtual private networks, spread spectrum radio networks, and audio/video management systems considered an asset.
11. Experience operating and developing a centrally controlled ATMS is considered an asset
12. Experience with GIS and asset management software is considered an asset.
13. IMSA Traffic Signals Level II certification considered an asset.
14. Must be willing and able to work in both indoor (office/lab) an outdoor (roadway) environment.

15. Must have a valid class G Ontario Driver's License with a clean driving abstract.

THE INCUMBENT SHALL COMPLY WITH ALL HEALTH AND SAFETY POLICIES AND PRACTICES FOR THIS POSITION AND THE WORKPLACE.
