

Technical Services Agreement for Traffic Signal Infrastructure – Pilot Project with City of Martensville – One Year Assessment

ISSUE

The City of Saskatoon provided technical services for traffic signal infrastructure to the City of Martensville for a one-year pilot project beginning in September 2020, which has now expired.

RECOMMENDATION

1. That the Administration be authorized to enter into future Technical Services Agreements with the City of Martensville whereby the City of Saskatoon will provide technical services to support their traffic signals; and
2. That the City Solicitor be requested to prepare the appropriate agreement and that His Worship the Mayor and the City Clerk be authorized to execute the agreement under the Corporate Seal.

BACKGROUND

On September 1, 2020, the City of Saskatoon entered into a servicing agreement with the City of Martensville to provide technical services that supports their traffic signals. This one-year pilot project ended on August 31, 2021. The Administrations from both cities would like to enter into future servicing agreements to continue providing technical services.

DISCUSSION/ANALYSIS

The proposed agreement framework outlines how the City of Saskatoon provides technical services to support the City of Martensville's traffic signal. The framework includes:

1. Repairing and maintaining infrastructure comprising of the following:
 - a. testing of equipment such as traffic signal controllers, wiring, traffic signal lights, pedestrian walk indicator lights, conflict management units and vehicle detection systems;
 - b. programming of traffic signal controllers with traffic signal plans developed by others;
 - c. repairing traffic signal infrastructure damaged due to collisions;
 - d. changing of filters and turning on/off heaters as required based on the season; and,
 - e. addressing vehicle detection and traffic signal timing operational concerns.
2. Installation of new traffic signal and pedestrian crossing devices in accordance with engineering plans provided by others.
3. The City of Saskatoon will not provide engineering services such as, but not limited to, designing traffic signal timing plans and new installations.

4. The agreement will start when the agreement is signed with options to renew for additional one-year terms on expiration of the initial term or upon reaching the agreement upset fee limit (\$50,000 spent in a year), whichever occurs first.

Over the course of the one-year pilot project, the City of Saskatoon billed the City of Martensville \$6,301. This amount of work had no impact to the level of service currently provided to the City of Saskatoon. There were no unforeseen negative impacts to the level of service or strain on staffing resources.

The City of Saskatoon currently has over 300 traffic signal control devices. Administration anticipates the services for future agreements with the City of Martensville, with the addition of three existing traffic signals and one rectangular rapid flashing beacon, can continue to be accommodated for the foreseeable future without an impact to the level of service for the City of Saskatoon or a requirement for additional staff. If the provision of technical services to the City of Martensville does start impacting the level of service or requires additional staffing resources, Administration will review options to bring forward to City Council for consideration or discontinue entering into agreements with the City of Martensville.

FINANCIAL IMPLICATIONS

The City of Saskatoon has standard cost-recovery charge out labour, equipment, and materials rates used for third-party work such as this. These rates will be charged to the City of Martensville for work resulting from this agreement.

OTHER IMPLICATIONS

There are no privacy, legal, social, or environmental implications identified.

NEXT STEPS

If City Council approves entering into a Technical Services Agreement with the City of Martensville for Traffic Signal Infrastructure, the City Solicitor will prepare the Agreement for execution by the two parties.

Report Approval

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