

Memo



Date: October 27, 2010

File: 1310-40

To: City Manager

From: Terry Barton, Parks & Public Places Manager, Infrastructure Planning

Subject: Enterprise Fire Hall Communication Tower and Traffic Management Centre Funding

Report Prepared by: Kristine Bouw, Architecture Planner, Infrastructure Planning

Recommendation:

THAT Council approve the transfer of \$250,000 from the Lakeshore Road Powerline Burial project 2918 to the Enterprise Fire Hall Communication Tower and Traffic Management Centre project 2500.

Purpose:

For Council to authorize sufficient funding to proceed with the Enterprise Fire Hall Communication Tower and Traffic Management Centre project and meet the deadlines established by the Provincial Grant.

Background:

This project is a funding partnership between the Province and the City of Kelowna. The Province is contributing \$550,000 under the Public Transit Infrastructure Program (PTIP) which must be spent by March 31, 2011. In addition, \$170,000 was approved by Council for an emergency generator in the 2010 budget. Finally, \$95,000 in funding is available from operating projects. The total available funds for the project are \$815,000.

The original project scope included a tower and small building for the relocation of the traffic management centre from City Yards. This relocation was needed to support better traffic signal control and the addition of real-time management data transfer to the transit system. During the design phase, it became evident that to ensure that the new system would function and to avoid signal conflicts, upgrades to the existing fire hall communication network would also be required.

The upgrades associated with the project will enhance the capability of the City traffic signal system including Regional Transit's new rapid bus system and the efficiency of emergency services. Additionally, the project has been designed to meet the strategic direction of both traffic services and the Fire Department. The design also accommodates future expansions and anticipates emerging technologies. The estimated project budget is now \$1,065,000. \$250,000 is needed for the project to proceed.

A handwritten signature in blue ink, appearing to be the name "Kristine Bouw".

The final project includes the following components:

a. Communication Tower

A 120 foot high communication tower to be constructed and used for City operations and Regional Transit's new rapid bus system. Leasing of the tower will not be permitted to ensure high quality signal resolution. The communication tower will hold antennas that link the City's transportation system, including; traffic signals and signal priority, closed circuit video equipment, the new rapid bus system, emergency services dispatch and roadside count stations.

The City Traffic Operations is presently sharing the small existing radio antenna tower on the hose drying tower at the Fire Hall building. This has become too crowded with equipment to meet both the Fire Hall and Traffic Department requirements.

b. Traffic Management Centre (TMC)

A short-term TMC building will be located on site in a prefabricated building to provide additional traffic services and to operate as the hub of the City's transportation management system.

c. Communications Room

A communications room is to be constructed at the base of the tower to provide racking for the communications systems provided on the tower. The communication room has been designed to allow for future capacity of the system. It also consolidates three independent communication rooms that have been built over time in the existing fire hall.

d. Emergency Generator

A new 125kW emergency generator will provide emergency power supply for the building and will replace the existing system that has surpassed its life expectancy.

Communications Considerations:

A public information session was held on August 12, 2010 at the Ramada Hotel & Conference Centre to allow for interested parties to review the design plans for the communication tower and traffic management centre. Information on this project was also advertised in local papers, on the City's website and in a media release.

Financial/Budgetary Considerations:

In order to proceed with the project, it is proposed that \$250,000 be transferred from the Lakeshore Road Powerline Burial project which remains unspent and contains \$820,000. In a previous Council report (12 May 2010) Council approved that a portion of the Lakeshore Road Powerline Burial funds would be allocated for the completion of the Cawston Road Multi-Use Corridor project. The Cawston Road Project has since been tendered and the additional funds will not be needed.

The powerline burial on Lakeshore Road remains a key objective for the City; however the work will be coordinated with the ultimate build-out of Lakeshore Road over the next few years. Appropriate funding will be requested in conjunction with that project at a later date.

Not proceeding with the project at this time would result in the City losing the provincial grant (PTIP) in the amount of \$550,000.

External Agency/Public Comments:

The project has received approvals from Transport Canada, Nav Canada and Industry Canada.

Internal Circulation:

- R. Westlake, Director, Regional Services
- A. Albiston, Manager, Roadways Projects, Regional Services
- F. Wollin, Supervisor, Traffic Operations, Civic Operations
- S. Kinsey, Acting Fire Chief, Kelowna Fire Department
- L. Wilde, Assistant Fire Chief, Kelowna Fire Department
- J. Brolund, Assistant Fire Chief, Kelowna Fire Department
- R. Entwistle, Manager, Information Services, Corporate Services
- M. Johansen, Manager, Building Services, Real Estate & Building Services
- J. Shaw, Manager, Utility & Building Services, Design & Construction Services

Considerations not applicable to this report:

Legal/Statutory Authority:

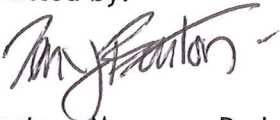
Legal/statutory Procedural Requirements:

Existing Policy:

Personnel Implications:

Alternate Recommendation:

Submitted by:



T. Barton, Manager, Parks & Public Places

Approved for inclusion:



R. Cleveland, Director, Infrastructure Planning

cc:

- J. Paterson, General Manager, Community Sustainability
- J. Creron, Director, Civic Operations
- S. Kinsey, Acting Fire Chief, Kelowna Fire Department
- K. Grayston, Director, Financial Services, Corporate Sustainability
- D. Gilchrist, Director, Real Estate & Building Services
- R. Mayne, Director, Corporate Services
- B. Berry, Director, Design & Construction Services