

COMMITTEE OF THE WHOLE
April 4th, 2017

Report #PW-2017-09
Stephen Keeley – Public Works Manager

ROADSIDE COLLECTION ENGINEERING STUDENT

STAFF RECOMMENDATION(S)

It is recommended:

“**THAT**, a summer student be hired for up to a 16 week period to provide engineering assistance that is key to the implementation of the roadside pickup project;

AND THAT, funding in the amount of \$10,000 be approved to fund this position from the Contingency Reserve.”

BACKGROUND

In order to implement roadside pickup there are a number of engineering projects that must be completed in very short order. These projects include:

- Establishing Routes
 - Permanent
 - Seasonal
- Layout of the Waste Site
 - Waste
 - Blue Box Diversion
 - Non Blue Box Diversion
- Assistance in Equipment Purchases and Construction
 - Bins
 - Compactor(s)
 - Ramps
 - Roads at waste site and adjacent property

All of these must be completed by the end of the summer 2017. Therefore, engineering assistance is needed, preferably in the form of a senior engineering student.

DISCUSSION

In Tay Valley Township we have approximately 270km of municipal roads, 140km of county roads, 30km of provincial roads and branching from these serviced roads are another estimated 180km of private roads, totally over 600km. The service target is to make all pickups in 5 working days with 10 routes therefore, it is very important to establish routes that are most efficient.

Once the trucks get to the depot they have to dump into a recycling and waste bin. In order to do this the truck will have to be elevated on a ramp to dump into the bin. Alternatively, the bins must be positioned in a lower (dry) area allowing the trucks to dump directly into them. Regardless, an engineering approach is required to best locate the apparatus and build the related infrastructure.

The above constitutes 14 to 16 weeks of work for a motivated senior engineering student. Completion of these projects is essential to the success of the roadside pickup program. Considering the immediacy of this situation, it is recommended that we secure engineering assistance as soon as possible. One possibility is to work with the County, who are interviewing civil engineering students, at this time.

FINANCIAL CONSIDERATIONS

An engineering student for 4 months will cost approximately \$10,000.

OPTIONS CONSIDERED

Option #1 (recommended) – That, Council approve hiring a summer student for up to a 16 week period to provide engineering assistance that is key to the implementation of the roadside pickup project.

And That, funding in the amount of \$10,000 be approved to fund this position from the Contingency Reserve

Option #2 – Staff determine the routes internally and do the engineering for the roadside program.

Prepared and Submitted By:

Approved for Submission By:

Originally Signed

Originally Signed

**Stephen Keeley
Public Works Manager**

**Larry Donaldson,
Chief Administrative Officer**