



MEMO TO: Mayor Vandernail and the Board of Trustees
FROM: Allen Nordin, CWP, Public Works Director
DATE: May 16, 2018
SUBJECT: Staff Briefing PW: Annual Asphalt and Concrete Repairs

MATTER BEFORE BOARD:

Approval of budgeted expenditures from the General Fund for the purpose of repairing and/or replacing asphalt and concrete in the amount of not-to-exceed \$75,000.

ACTION REQUESTED:

Approval of Resolution 2018-05-11.

BACKGROUND:

Over time, asphalt streets, concrete sidewalks, curb and gutter (C&G) and valley and cross pans are exposed to extreme environmental conditions as well as wear and tear from daily impacts of vehicles and public works maintenance equipment.

Pot holes recur annually and are filled with temporary patch materials. Over time these temporary patch materials fail and the pot holes worsen to the point where the old asphalt material needs to be removed and replaced with newly compacted sub base material and new asphalt hot mix. Most repair areas require a contractor to perform the work using specialized equipment.

The failed areas of concrete sidewalks and C&G are generally the result of impacts from our snow removal operations. Snow plowing and cutting of ice pack with heavy equipment invariably impacts the C&G and occasionally breaks away portions of this infrastructure. There are additional impacts to the concrete valley and cross pans and this is generally the result of the application of traction sand (salt/sand mixture) to the roadways during the winter months. The salt has corrosive characteristics which attack the surface of the concrete and breaks it down over time.

Each year staff identifies areas throughout town that are in need of repair and replacement. While not all repairs can be addressed each year, our goal is to maintain our infrastructure at a reasonable level and avoid catastrophic failures. Further, while we've identified that on an annual basis we should budget \$250,000 for street maintenance, the Budget does not always appropriate sufficient funds for such work.

In addition to repairs, this year's work will also include a new concrete bus pad on upper Wapiti Drive to address a significant roadway failure at one of the stops. As we move forward we will likely begin installing more concrete bus stop pads at specified locations to minimize the impacts of the heavy busses on our roadway system.

The 2018 Budget includes funding for these expenditures at the level requested.

ALTERNATIVES:

1. Do nothing – no maintenance
2. Further application of temporary patches to asphalt
3. Authorize up to \$75,000 expenditures
4. Authorize additional funding (beyond the level provided in the 2018 Budget)

RECOMMENDATION:

Motion to approve Resolution No. 2018-05-11 authorizing the manager to enter into construction contracts to expend up to \$75,000 for the repair and replacement of Town owned asphalt and concrete infrastructure.