



City of Moose Jaw

COMMUNICATION # N/A

TITLE: Request to Address Executive Committee to Regarding Sidewalk Replacement

TO: Executive Committee

FROM: Department of Engineering Services

DATE: May 18, 2018

PUBLIC: Public Document.

IN-CAMERA: Not Applicable to this Report.

RECOMMENDATION

THAT Mr. Ray Christmann be allowed to address Executive Committee regarding the sidewalk in front of his home at 1507 Caribou Street West.

THAT this report be received and filed.

JUSTIFICATION FOR IN-CAMERA

Not applicable to this report.

TOPIC AND PURPOSE

The purpose of this report is to provide the Executive Committee background regarding the assessment and process for sidewalk repair and replacement.

BACKGROUND

The Engineering Department received approximately 150 sidewalk related Requests for Service (RFS) last year. These requests play an important role in identifying issues with City sidewalks. When these calls are received there is a process to rectify or log the issue for future consideration. This process is attached for reference.

On April 23, 2018 Administration became aware of Mr. Christmann's issue regarding the condition of his sidewalk in front of his home at 1507 Caribou St. W. Mr. Christmann had previously been in to City Hall and talked with an Engineering Tech but had not heard back on any potential follow up. On April 23, 2018 an RFS was generated and the process (attached) followed.

A tech assessed the site and the Municipal Operations Manager called Mr. Christmann on May 4, 2018 to discuss. Mr. Christmann's main concern was that the sidewalk had slumped allowing water to pool on the sidewalk during wet weather conditions. Mr. Christmann was informed that while this was a defect in the sidewalk, it was not severe enough to warrant replacement under the current sidewalk, curb and gutter repair and replacement program.

DISCUSSION

Sidewalk issues are addressed through two programs: 1) Capital Program - TR-2 Sidewalk, Curb and Gutter and 2) Operational Program for trip hazards.

Capital Program - TR-2 is an annual program with a 2018 budget of \$484,600 for the removal and replacement of concrete sidewalk throughout the city. Sites are typically selected based on a combination of criteria such as pieces of concrete missing, spalling, cracking and settling/slumping. Missing sections of concrete and spalling are typically the most severe forms of degradation.

The Operational program focus is on limiting liability by addressing trip hazards; the cause is primarily cracking. Cracking can often be addressed through maintenance (i.e. grinding or patch) prior to replacement being needed as an intervention: This approach is cost effective.

The sidewalk in front of 1507 Caribou St. W. has slumped over the original water and sewer connection installed on Nov. 2, 1978. Slumping is generally not considered a major defect provided the joint between slabs has not experienced severe separation. This sidewalk also has some longitudinal cracking in the area of the slump (see attached pictures). The cracking has offset up to approximately 1/2". Given that the crack runs parallel to the direction of foot traffic, the trip hazard is reduced; however the crack issue specifically will be addressed this year through the operational sidewalk maintenance program. The condition at this location was not severe enough to warrant further intervention when compared to the rest of the City's sidewalk infrastructure.

The City of Moose Jaw has an estimated 219 km of combined sidewalk, curb and gutter assets plus an additional 102 km of curb and gutter assets with an approximate value of \$100,000,000. The current capital replacement budget is \$484,600 for 2018. This puts concrete assets on a 206 year replacement cycle. A sustainable life cycle for concrete sidewalk, curb and gutter is likely between 50 – 75 years. Service connection slumping is unfortunately a common occurrence, but based upon current levels of service, it is not a defect that should be remedied ahead of more severe forms of failure. One off replacements or exceptions would also establish a level of service that is not equal for all the citizens of Moose Jaw.

OPTIONS TO RECOMMENDATION

Remove and replace the existing sidewalk, curb and gutter in front of 1507 Caribou St. W. at a cost of approximately \$3,000 - \$4,000.

PUBLIC AND/OR STAKEHOLDER INVOLVEMENT

Not applicable to this report.

COMMUNICATION PLAN

Not applicable to this report.

STRATEGIC PLAN

Not applicable to this report.

OFFICIAL COMMUNITY PLAN

Not applicable to this report.

BYLAW OR POLICY IMPLICATIONS

Not applicable to this report.

FINANCIAL IMPLICATIONS

Not applicable to this report.

PRIVACY IMPLICATIONS

Not applicable to this report.

OTHER CONSIDERATIONS/IMPLICATIONS

Not applicable to this report.

PUBLIC NOTICE

Not applicable to this report.

PRESENTATION

VERBAL: X AUDIO/VISUAL: X NONE:

ATTACHMENTS

1. Sidewalk RFS process
2. Pictures of site
3. Letter dated April 26, 2018 from Mr. Ray Christmann

Respectfully Submitted By,

Josh Mickleborough, Director of Engineering

APPROVAL OF REPORT RECEIVED

COMMENTS RECEIVED

Jim Puffalt, City Manager

Fraser Tolmie, Mayor

To be completed by the Clerk's Department only.

Presented to Regular Council or Executive Committee on

No. _____ Resolution No. _____

ATTACHMENT # 1

Procedure for RFS (Request for Service) complaints regarding City sidewalks.

1. Complaint comes in to Engineering regarding condition of sidewalk
2. RFS will go to Operations
3. Operations will investigate the complaint and determine if it's an Ops issue - service connection, or immediate safety concern or a Capital issue.
 - o If operational it will be address through operational programs
 - o if capital Ops will forward the RFS back to Techs
 - o Techs will then make a visual inspection of the site and add to the MASTER concrete replacement list based on observed condition.

Procedure for determining 2018 Capital Concrete replacement locations

1. Review existing lists including the observed conditions.
2. Determine which locations are in the highest need of repair, consider unsafe and unacceptable highest priority
 - a. Review recent years completed works to narrow the list
 - b. Go to each site and do a visual inspection (some sites may already be complete)
 - i. Document the site, type of sidewalk, length to be replaced, actual addresses, is landscaping required, is asphalt patching required.
 - c. Reevaluate and adjust the "master list" based on the site inspections
 - i. Take into account if paving is going to be completed in the area, if there is cast iron in the area or if any other work is expected to be done.
3. Add to the master list quantities for each location.
4. Based on the quantities include a budget estimate for each location.
5. Prepare the 2018 tender document, include all locations you expect to be completed under the 2018 contract and all quantities in the bid form (based on anticipated budget)
6. Prepare 2018 tender document for final review

ATTACHMENT # 2

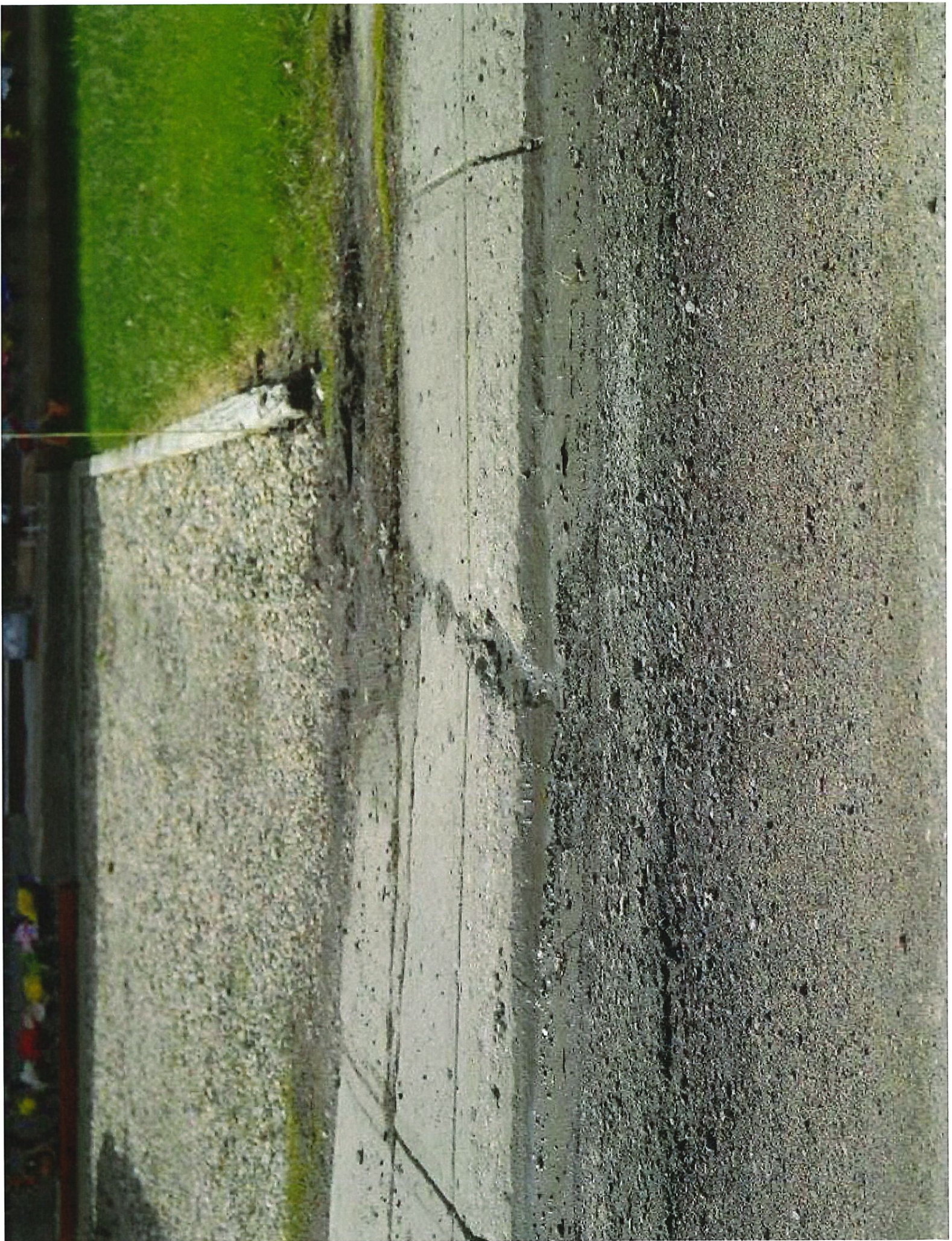












April 26 2018

1507 Caribou St. W Moose Jaw.

To: MEMBERS OF CITY COUNCIL

Repair sidewalk because its to low several inches of water sit on top.

If sidewalk was fixed, then hole on street could be fixed and water could run east.

The water is seeping in the ground. I'm worried that water will go in our basement.

This problem was here before we bought the house.

Getting tired of driving our car in this water hole.

RAY CHRISTMANN

1507 Caribou St. W.

693-0796

RECEIVED		
CLERK / SOLICITOR		
APR 26 2018		
CHECKED BY	INITIALED TO	INITIAL