

Town of Riverview

COUNCIL REPORT FORM



Presented to: Colin Smith, CAO

Department: Engineering & Public Works

Date: July 17, 2017

Subject: Municipal Designated Highway Five-Year Program

Agenda Item:

Meeting Date:

For use by Office of the Town Clerk only

BACKGROUND

As requested by the Department of Transportation and Infrastructure, the Town has an opportunity to submit projects that qualify under the designated highway program for the 2017 construction season. The submission will identify a list of improvements (projects), proposed design, and approximate cost, amount of the municipal contribution and the priority of each request for the next five years.

After careful review of the Town's current long term Capital Plan, we are proposing the following list of projects for our Five-Year Program.

PROJECT 1 – Gunningsville – Coverdale - Hillsborough Intersection improvements

Year of construction: 2018

Eligible Costs: \$800,000

Project Description:

The project consists of intersection widening, curb work, roadway intersection regarding and paving, and partial removal existing concrete island. In order to accommodate the additional lane and the intersection improvement, the construction will extend on Coverdale, Gunningsville north to the bridge abutment, and Gunningsville Boulevard.

The Town will leverage these funds and is proposing to add additional work to this contract such as updates to the traffic signals, standardize the poles & truss, addition of accessibility improvements to all modes of travel, vehicle detection loop locations or detection types, intersection operations and traffic control.

The engineering cost estimate for the curb and roadwork eligible for funding is estimated to be \$800,000. Due to the bundling of two contracts, the Town is ready to offer to perform the project design and construction management. If agreeable, the Town is proposing to cost share 15% of the overall project cost.

PROJECT 2 – Coverdale Culvert upgrades.

Year of construction: 2019

Eligible Costs: \$350,000

Project Description:

Six culverts were identified along Coverdale Road (Hwy 112) between Patricia Drive West and the Town limits to allow for 2 significant water course crossings and 4 drainage ditch crossings. Five of the culverts are CMP and are in need of replacement due to their poor physical condition and inadequate hydraulic capacity. The Town is looking for funding to upsize and improve the capacity of these culverts.

The Town is ready to offer to perform the project design and construction management. If agreeable, the Town is proposing to cost share 15% of the overall project cost.

PROJECT 3 – Hillsborough Road re-Alignment & Mill Creek Culvert relocation.

Year of construction: 2021

Eligible Costs: \$5,000,000

Project Description:

Hwy 114 flooding at Mill Creek involves permanently rerouting the road to higher grounds to avoid the flood prone Mill Creek marshland as identified by the Climate Change Adaptation Measures for Greater Moncton Area conducted by AMEC in 2011 and shown on the flood map. This culvert and area have been identified as a high risk of flooding and has flooded in 2012 and again in December of 2014. The project involves the acquisition of vacant land outside and inside of the Town currently designated as future Park Land, construction of approximately 800m of highway including a new span across Mill Creek, and 500m of collector road construction. See attached sketch.

The realignment of Hillsborough Road is a recommendation of the Regional Sustainable Transportation Master Plan (Destination 2040) report, prepared by HDR in 2015, considering the future 3rd bridge crossing and the Town's proposed east-west collector street (Bridgedale Boulevard). The project is also required to complete the last phase of recommendations of the East Riverview Traffic Study, prepared by CBCL in 2012. The realignment will allow regional traffic to directly access the new Gunningsville Boulevard. This will improve the function of the Gunningsville intersection by balancing traffic across all four-legs and will allow the Town to proceed with improvements such as double-left turn lanes from Coverdale onto the bridge. It will also greatly reduce the traffic on Hillsborough Road, allowing the Town to proceed with the recommendation of the CBCL report.

We hope to leverage the Province's contribution and bundle additional works such as water and sewer, sidewalks, trail, street lighting, and landscaping to take advantage of the contract and obtain savings. We are committed to start the design once the Province is able to provide commitment of this project selection.

We are requesting that the Province take the lead for the work situated outside of the Town's boundary. The Town is willing to take the lead of the project design and construction management of the work located within the Town. We propose the following cost sharing arrangement:

- 100% DTI for the work outside the Town, including new span over Mill Creek (\$3,000,000).
- 25% Town for the realignment and new collector road inside the Town (\$2,000,000).

CONSIDERATIONS

Legal:

N/A

Financial:

Potential saving opportunity to the Town:

Project 1:	\$425,000
Project 2:	\$297,500
Project 5:	\$4,500,000

Policy:

N/A

Stakeholders:

These projects have been discussed with Mr. Raymond Brun, P.Eng., Municipal Engineer, DTI Design Branch, Fredericton, in September 2016 who is in agreement with the proposed improvements.

Strategic Plan:

N/A

Interdepartmental Consultation:

The projects were discussed with all Directors at a Director's Meeting on September 6, 2016. There were no comments. The current proposal was discussed with the CAO on July 13, 2017, who agreed to proceed with this submission.

Communication Plan:

N/A

OPTIONS

OPTION A – Approve the list of projects as recommended and include the project budget in the appropriate capital budget year.

OPTION B – Proceed with the projects as presented, with or without funding.

RECOMMENDATION FROM STAFF

We recommend Council direct staff to proceed with Option A.

Prepared by: _____

CAO Approval: _____

Date of Approval: _____