



P.O. Box 1749
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Item No.
North West Community Council
January 14, 2015

TO: Chair and Members of North West Community Council

SUBMITTED BY: Original Signed

Bob Bjerke, Director, Planning & Development

DATE: November 2, 2014

SUBJECT: Connection from Lucasville Road to Kearney Lake Road

INFORMATION REPORT

ORIGIN

At its meeting of December 16, 2013 North West Community Council passed a motion to request a staff report exploring the possibility of extending a connection from Lucasville Road, parallel with Hammonds Plains Road to tie into the existing intersection at Hammonds Plains Road and Kearney Lake Road.

LEGISLATIVE AUTHORITY

The Halifax Charter Section 322(1) states that Council may design, lay out, open, expand, construct, maintain, improve, alter, repair, light, water, clean, and clear streets in the Municipality.

BACKGROUND

Residents in the Lucasville Road area have contacted Councillor Whitman to suggest that a new roadway connection might be built between Lucasville Road and the Hammonds Plains Road/Kearney Lake Road intersection using the existing right-of-way for a water transmission main.

DISCUSSION

The 2006 Regional Municipal Planning Strategy and the 2014 Regional Plan Update (RP+5) identified additions to the roadway network (see Table 4-1 in the 2014 Plan) to deal with corridors where traffic demand is high and is anticipated to increase with additional growth. For the Hammonds Plains Road and Lucasville Road corridors the solutions proposed are the Margeson Drive connection to Highway 101 and the connection of Kingswood to the future Highway 113.

The existing right-of-way corridor connecting Hammonds Plains Road and the Kearney Lake Road/Hammonds Plains Road intersection is owned by Halifax Water and contains a major underground water transmission main and a small service road. Constructing a standard 2.3 km-long two-lane rural collector roadway within the right-of-way would cost in the range of \$2.5 million to \$4 million.

Halifax Water has reviewed this proposal and reports that the existing water transmission main is a 54" diameter prestressed concrete cylinder pipe installed in 1975. Along this section it is a single non-redundant line that supplies all of the potable water for the West and Central serviced area of HRM. This type of pipe is very sensitive to rock blasting and rock removal activities. The construction of a collector road over this alignment would cause significant impacts to the waterline. The needed vertical geometry and roadway cross-section would require significant rock breaking and cut/fill activity that would potentially impact the water main or require renewal in conjunction with the road. Any current or future renewal of this main would require the installation of a twin main or temporary main to maintain existing service. All packaged this would be an expensive consideration and a significantly increased risk position for Halifax Water.

The expansion of the municipal roadway network occurs in two ways: (1) construction of arterial roadways by the municipality at its cost according to the Table 4-1 in the approved 2014 Regional Municipal Planning Strategy; and (2) construction of collector and local streets by landowners at their cost as part of development of their lands. Even if the concern of damage risk to the existing water transmission main were set aside, the current 10-year Project Plan (which reflects Table 4-1) does not include funding for an arterial road in this location. Development of lands along the corridor to support the cost of constructing a collector street is limited in this area by Policy S-24 of the 2014 Regional Municipal Planning Strategy.

FINANCIAL IMPLICATIONS

There are no current financial implications. Financial implications associated with proceeding to construction of the roadway connection suggested have not been determined.

COMMUNITY ENGAGEMENT

No community engagement has been undertaken specific to this potential roadway connection.

ATTACHMENTS

Attachment One: Roadway Connection Concept: Lucasville Road to Kearney Lake Road

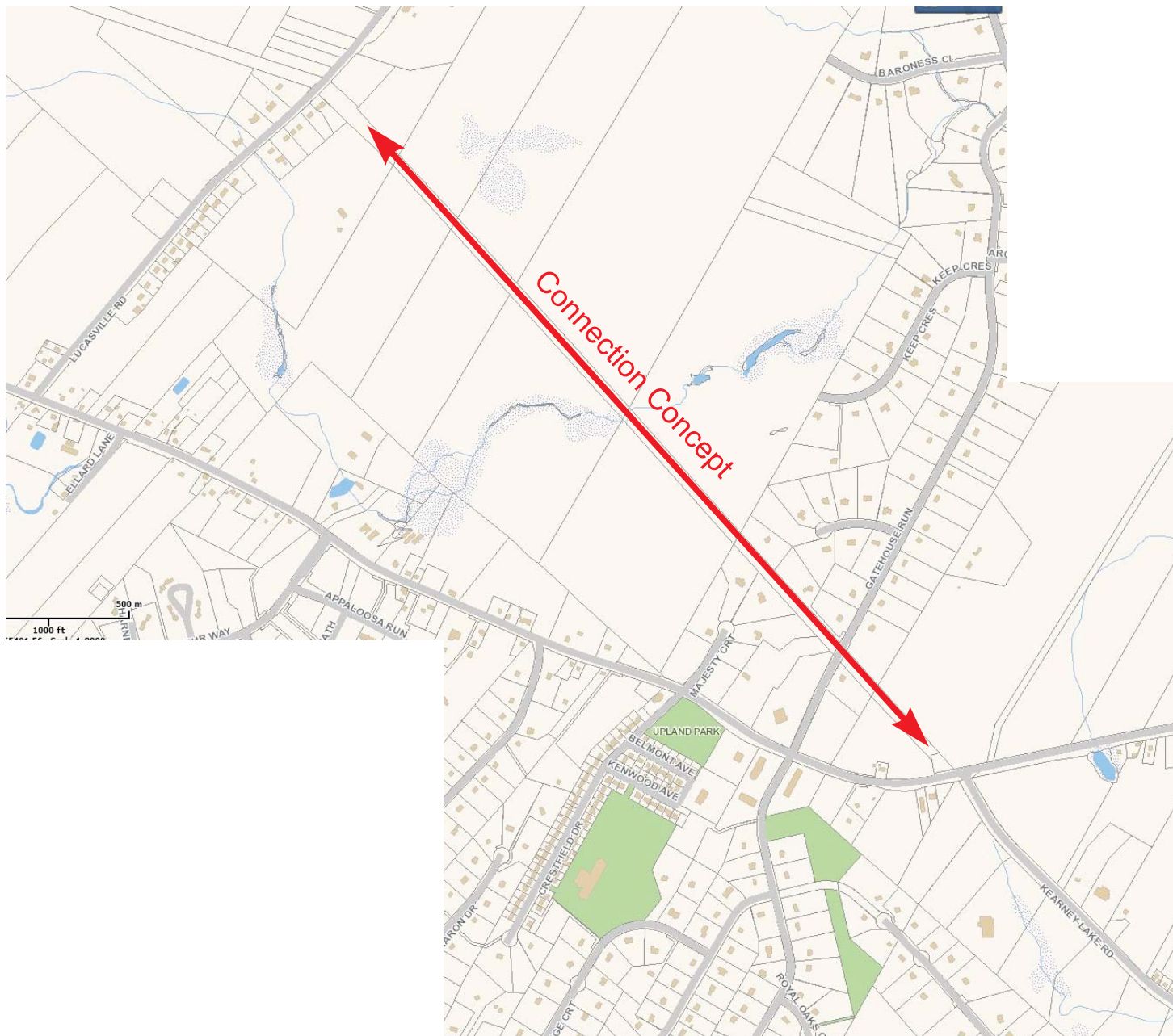
A copy of this report can be obtained online at <http://www.halifax.ca/commcoun/index.php> then choose the appropriate Community Council and meeting date, or by contacting the Office of the Municipal Clerk at 902.490.4210, or Fax 902.490.4208.

Report Prepared by:
Report Approved by:

Original Signed

David McCusker, P.Eng., Manager, Strategic Transportation Planning, 902.490.6696

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HALIFAX

Connection for Lucasville Road to Kearney Lake Road

ATTACHMENT 1: ROADWAY CONNECTION CONCEPT

Nov, 2014

1:15000 Scale