

NO: R169

COUNCIL DATE: September 12, 2011

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **September 7, 2011**

FROM: **General Manager, Engineering**

PROJECT FILE: **1708-057/H**

SUBJECT: **Roberts Bank Rail Corridor Program -
Payment for BC Hydro Transmission Tower Modifications**

RECOMMENDATION

The Engineering Department recommends that Council authorize a payment of up to \$2,300,000 including HST to BC Hydro for modifications that need to be made to BC Hydro transmission towers in the vicinity of the 192 Street railway grade separation, an element of the Roberts Bank Rail Corridor Program in Surrey.

BACKGROUND

The Roberts Bank Rail Corridor Program in Surrey includes the construction of road/rail grade separations at 152 Street, 192 Street, 196 Street and 54 Avenue and road works and at-grade rail crossing improvements and closures to allow for the cessation of train whistling along the majority of the B.C. Railway corridor through Surrey. The Program is being funded by way of contributions from Transport Canada, Port Metro Vancouver, BC Ministry of Transportation & Infrastructure, BC Railway Company, CP Rail, Canadian National Railway, BNSF Railway, City of Langley, Township of Langley and the City of Surrey. Contributions from the funding partners other than Surrey will amount to 87.7% of the Project costs in Surrey with the City of Surrey being responsible for the remaining 12.3% of the costs. The City of Surrey is the delivery agent for the elements of the Program that are located in Surrey.

The grade separations and other works will reduce delays to motorists caused by rail traffic at crossings with major roads and will allow for an enhanced environment for Surrey residents by allowing for the elimination of train whistling at railway crossings along the majority of the B.C. Railway corridor in Surrey.

DISCUSSION

BC Hydro high voltage electrical transmission lines are located in close proximity to the planned overpass of 192 Street near 52 Avenue as illustrated in the plan attached as Appendix I. Minimum vertical clearance requirements between the transmission cables and the elevated 192 Street dictate the need to relocate and increase the height of some cable support towers. BC Hydro will undertake this work on a cost recovery basis and require that the estimated cost of the work be paid in advance. BC Hydro will reconcile with the City the payment in comparison to the actual cost of the work once the work is completed. BC Hydro has estimated the cost of carrying out the

relocation and modifications, including contingency and HST, to be \$2,300,000. This expense will be a shared between the partners as referenced above.

CONCLUSION

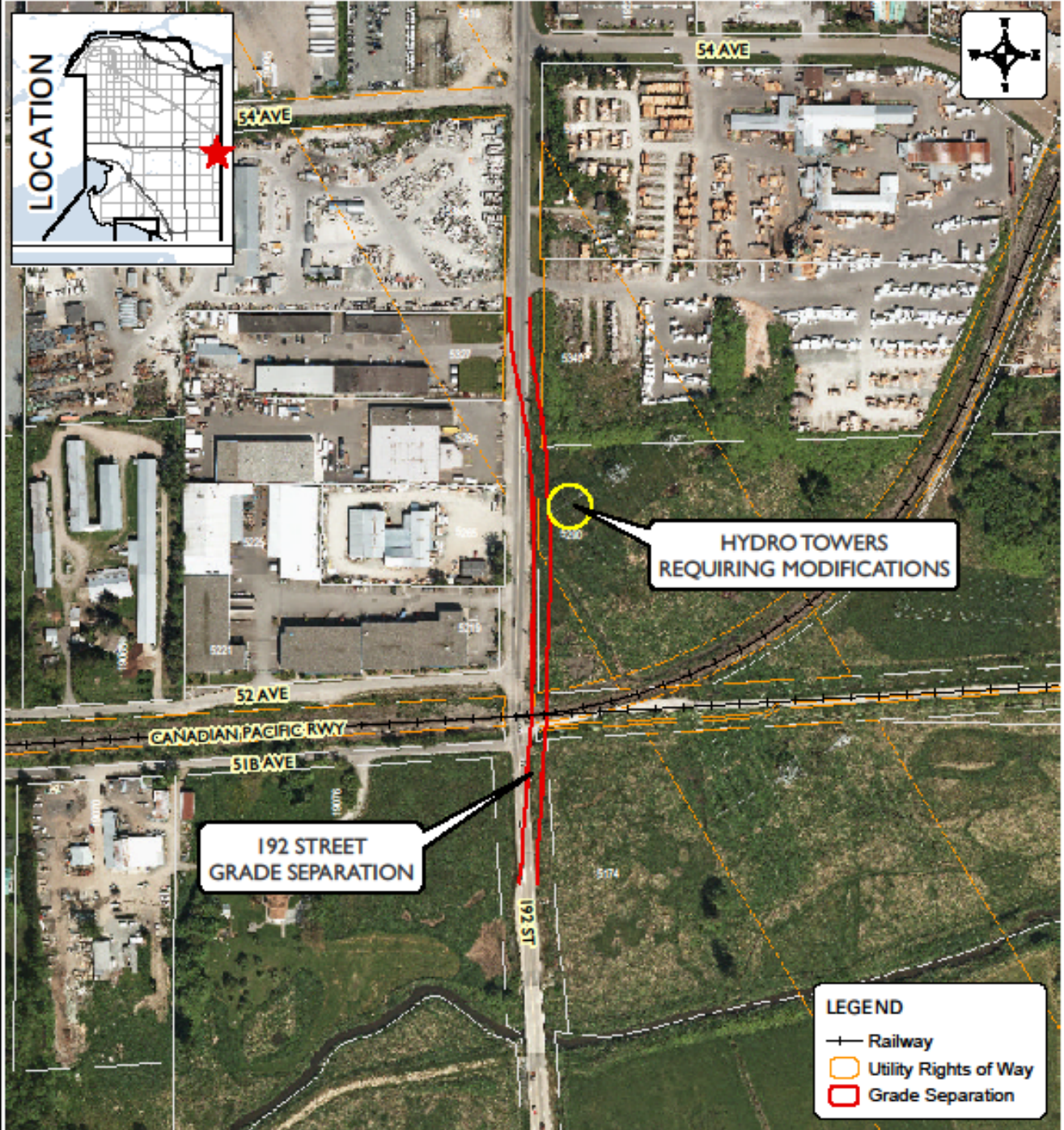
To facilitate the construction of a railway grade separation of 192 Street over the BC Railway track, which is an element of the Roberts Bank Rail Corridor Program, it will be necessary to modify and relocate BC Hydro high voltage transmission towers. It is recommended that Council authorize staff to forward a payment to BC Hydro for the costs associated with these Hydro-related works that will allow BC Hydro to proceed with such construction.

Vincent Lalonde, P.Eng.
General Manager, Engineering

VL/KZ/brb

Appendix I – Map of Roberts Bank Rail Corridor Program - BC Hydro Transmission Tower
Modifications

APPENDIX I



Produced by GIS Section: August 24, 2011, AW8

Date of Aerial Photography: May 2009



ROBERTS BANK RAIL CORRIDOR PROGRAM BC HYDRO TRANSMISSION TOWER MODIFICATIONS

ENGINEERING DEPARTMENT

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey.
This information is provided for information and convenience purposes only.
Lot lines, Legal descriptions and encumbrances must be confirmed at the Land Title Office.

GIS Mapping/GIS Map
Corporate Portal/Eng-Transp
AW-RobertsBank&BCHydro-AP