



Corporate Report

NO: R179

COUNCIL DATE: JULY 23, 2007

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **July 19, 2007**
FROM: **General Manager, Engineering** FILE: **0410-20(mot/gate)**
SUBJECT: **Proposed 192 Street/Harvie Road Interchange with Highway #1**

RECOMMENDATION

The Engineering Department recommends that Council:

1. Support, in principle, a new interchange at the 192 Street alignment, in conjunction with the Highway #1 widening project; and
2. Authorize staff to consult the public and confirm the preferred location for an interchange at 192 Street as opposed to Harvie Road.

BACKGROUND

North of Highway #1, 192 Street is the main north south arterial road serving the Port Kells industrial area in Surrey. Until 2006, 192 Street/Harvie Road did not connect with Highway #1 and users of the Industrial Park used 200 Street in Langley or 176 Street (Highway 15) in Surrey to access Port Kells from Highway #1. Within Surrey, the Port Kells industrial area could be accessed using Harvie Road, which connected diagonally to 192 Street on the north side of the freeway. Currently, Harvie Road is classified as an arterial between 80 Avenue and Highway #1. South of 88 Avenue, 192 Street is classified as an arterial, but is a collector road from 88 Avenue to 90 Avenue, and then a local road north of 90 Avenue. South of Port Kells 192 Street is continuous to Fraser Highway, and is designated as an arterial road.

In October of 2006, the Ministry of Transportation opened west-facing ramps at the existing 192 Street overpass on Highway No. 1, creating a half-interchange at this location. The construction of these ramps, meant to relieve pressure at the 176 Street and 200 Street interchanges, also improves access to the Port Kells industrial area and would ultimately provide an alternative connection to and from Highway #1 from the Golden Ears Bridge Connector.

When Highway #1 is widened within the next five to six years, most interchanges and structures, including 192 Street, will need to be reconstructed to span the widened Highway #1 and be upgraded to new seismic standards. Knowing that they will need to replace the structure when Highway #1 is widened, the Ministry of Transportation has requested that the City confirm the preferred location for an interchange, i.e., either the existing Harvie Road location or a new 192 Street alignment. Both of these locations are illustrated in Appendix I (attached).

DISCUSSION

During the South Port Kells General Land Use Plan (GLUP) consultations, residents and other stakeholders expressed concern about both the lack of a direct connection to Highway #1 and the use of Harvie Road as a truck route.

Since the start of the South Port Kells GLUP, the City has indicated that it will not identify a preferred location for an overpass and connections to Highway #1 until public input has been sought. Public input on land use during the GLUP was sought early, but input on the transportation concept, including the future location of the 192 Street overpass, has been delayed due to difficulties defining a suitable transportation concept for future development in the South Port Kells area.

From a network and heritage preservation perspective it would be more desirable to connect Highway #1 to an interchange aligned to 192 Street, rather than to Harvie Road. The South Port Kells GLUP suggests that the area in the vicinity of 88 Avenue and Harvie Road would be designated as Port Kells Village, capitalizing on the numerous heritage designated properties in the area. The draft Transportation Concept Plan that was developed for the South Port Kells GLUP identified the following concerns regarding Harvie Road:

- Due to its proximity to the intersection of Fraser Highway and Highway 15, MoT restricted Harvie Road to right-in/right-out at Fraser Highway and this restriction has reduced the importance of Harvie Road in the City's Road Network.
- The diagonal nature of Harvie Road intersected by grid roads creates skewed intersections and poor spacing between intersections. As traffic volumes increase, these intersections will get busier and may require safety improvements.
- Increasing volumes on Harvie Road would be impactful to the heritage properties, a number of which are located near the intersection of 88 Avenue and Harvie Road.
- Although the right-of-way is available, widening Harvie Road may be problematic due to the numerous sensitive creeks and the heritage properties.

The same Concept Plan identified the following benefits of the 192 Street alignment:

- 192 Street creates a direct arterial routing to the built up area of Clayton and Fraser Highway and will be an important connection to the Provincial Network from the South Port Kells.
- realignment of the new overpass and interchange on the 192 Street alignment can be constructed with little or no impact to the existing half interchange.

Disbenefits of the 192 Street alignment include potential environmental impacts and the need to redesignate a short segment of local road to an arterial standard and to redesignate a section from collector to arterial standard.

At this time, we are only seeking Council's endorsement in principle of the concept so that public input can be sought and to allow the MoT (Gateway) to include both options in their Environmental Assessment Permit application. The 192 Street alignment appears to have a number of advantages over the Harvie Road alignment. However, the City has not had an opportunity to gauge the public's preference for the ultimate interchange location. Should Recommendation 1 be approved, the public consultation would take place this fall.

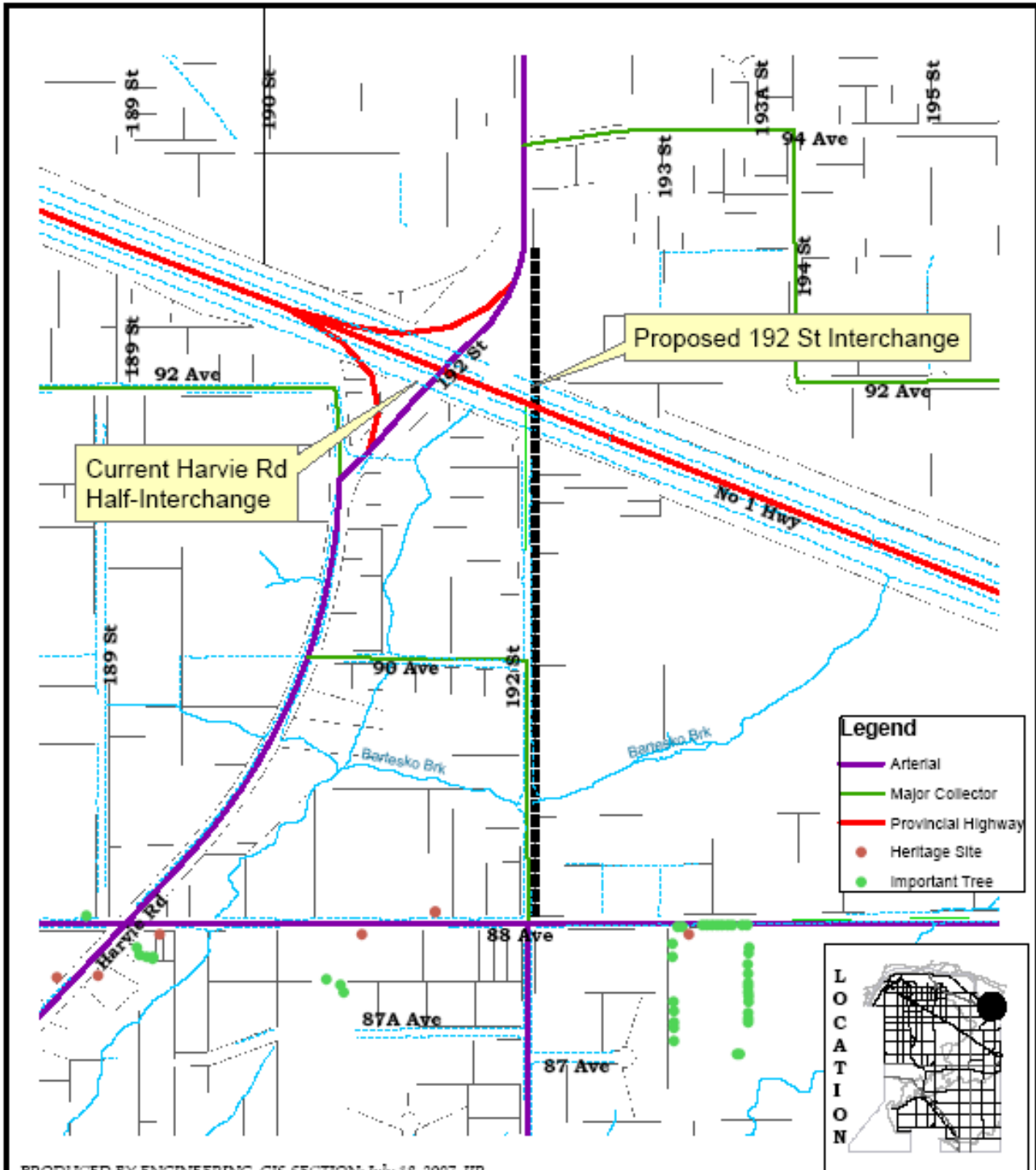
CONCLUSION

An interchange on Highway No. 1 with some or all movements permitted at the 192 Street alignment seems preferable to an interchange at the existing Harvie Road alignment. However, in order to provide definitive direction to the Ministry of Transportation the City needs to undertake public consultation to receive input on this issue.

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PH/VL/JB/AMC:kd2/rdd

Appendix I: Map - Hwy. 1 & 192 Street, Harvie Road Area



PRODUCED BY ENGINEERING, GIS SECTION: July 18, 2007, JJR



APPENDIX I HWY 1 AND 192 ST, HARVIE RD AREA

ROADS &
TRANSPORTATION
DIVISION

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.
Let plans, legal descriptions and encumbrances must be confirmed at the Land Title Office.