

Porter Creek Bench - Design Charrette Background Information Infrastructure and Transportation Briefing Notes

Infrastructure - Quest Engineering Group

Quest Engineering is a local consulting firm with 20 years experience in local land development engineering.

As part of the Design Charrette team, Quest will be responsible for the review of off-site and on-site municipal infrastructure requirements for water supply, sewage collection, and storm drainage/control.

Water supply alternatives will include a review of supply options from either Valleyview or Porter Creek reservoirs. The review will examine trunkmain sizing and alignment options, fire protection requirements, on-site supply options and distribution layout and phasing options.

Sewage collection alternatives will include a review of the Porter Creek Gravity trunkmain capacity and options for sewage discharge to the existing lagoon, a review of on-site collection options alternatives, and review of potential on-site treatment alternatives.

Storm drainage alternatives will include piped collection vs. surface swale collection alternatives, review of control and discharge options, a review of retention options for underground storage vs. surface ponds, and a review of secondary uses for storm water including surface irrigation, localized ponds for community skating rinks, and other options that may be considered.

We welcome input for any sustainable infrastructure ideas that participants may be aware of that are being used in other communities.

Transportation – UMA Group

As part of the Design Charrette Team for Porter Creek Bench, UMA Engineering will provide transportation planning and transportation engineering design input to the charrette process before and during the November Design Charrette. UMA helped the City prepare and adopt the current City-Wide Transportation Study a few years ago and will link the Porter Creek Bench area development plan with this important City Transportation Policy Document.

The City-Wide Transportation Study is guided by community derived principles expressed in 4 major policy goals in the categories of:

- Community and Environmental Quality
- Mobility
- Transportation Planning
- Sustainability and Affordability

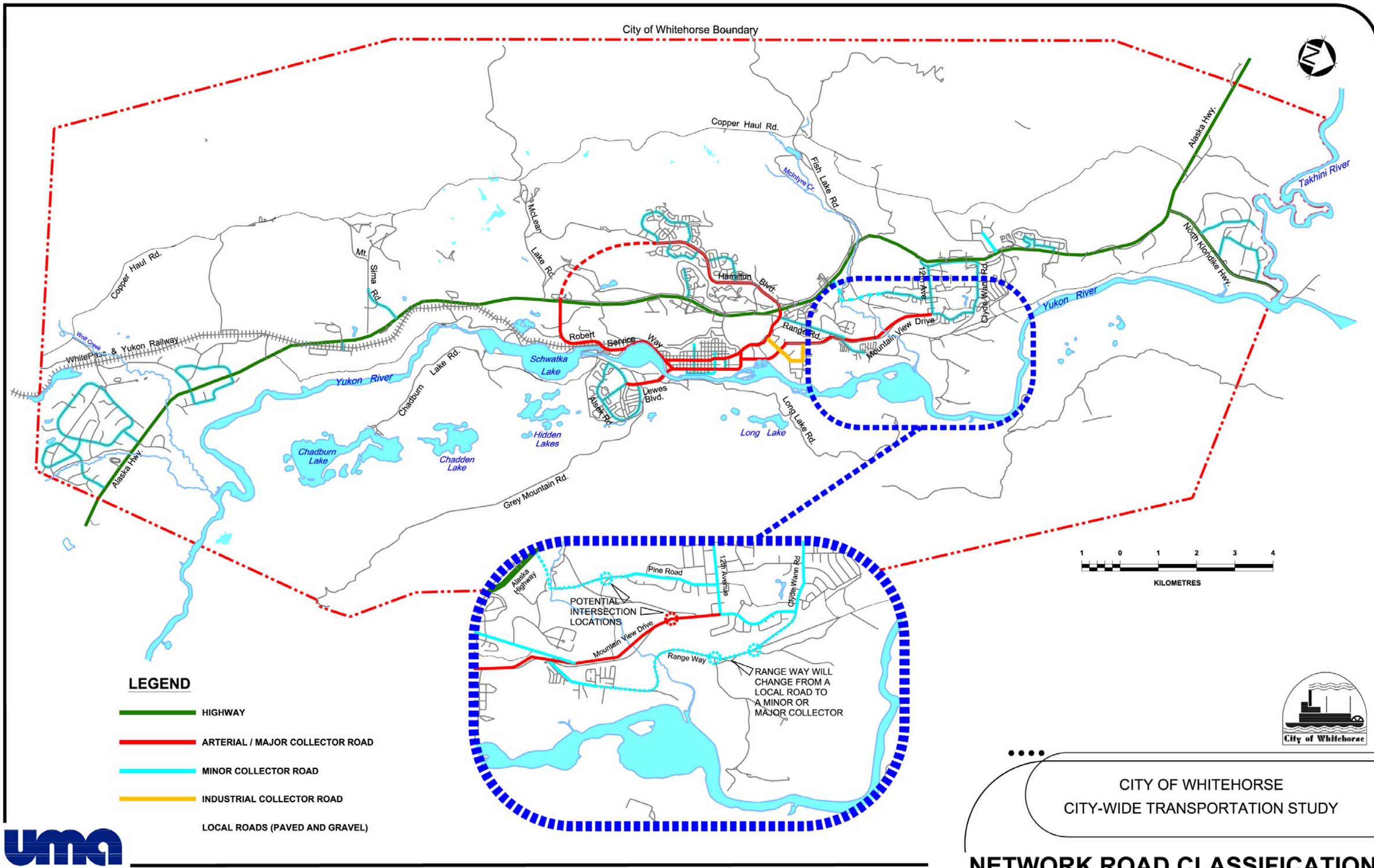
These transportation goals and their resultant objectives are consistent and compatible with the City's current OCP. They are also applicable for the sustainable design intent of

the Porter Creek Bench Area Development Scheme. They can be reviewed in detail in the “Transportation Plan Goals and Objectives” section of the City-Wide Transportation Study (Section 1, Subsection 4.0). A link to this document is available on the “Background Reports” page of the Porter Creek Bench website.

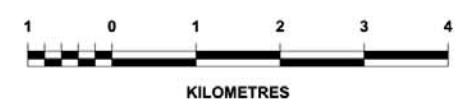
Development of the Porter Creek Bench will have an impact on all of the City's transportation networks for roadways, walkways, trails and transit. The magnitude of the impacts will not be unlike those in the West Whitehorse area of McIntyre/Granger/Copper Ridge which is serviced via Hamilton Boulevard. Adjacent main roadways that will be affected by Porter Creek Bench development are:

- Clyde Wann Road,
- 12th Avenue,
- Mountainview Drive,
- Range Road, and
- Copper/Quartz Road.

For an overview of the City's impacted major roads and the current Road Classification Network see the drawing on the next page.



- LEGEND**
- HIGHWAY
 - ARTERIAL / MAJOR COLLECTOR ROAD
 - MINOR COLLECTOR ROAD
 - INDUSTRIAL COLLECTOR ROAD
 - LOCAL ROADS (PAVED AND GRAVEL)



CITY OF WHITEHORSE
CITY-WIDE TRANSPORTATION STUDY

NETWORK ROAD CLASSIFICATION

