

ATTACHMENT I

Transportation Network Plan Summary

Overview:

A transportation road network has been developed by Ekistics and InterCAD for the Proponent. Work has been completed in draft and is currently undergoing review by the City and its Consultant's for the Proponent to finalize.

Road Network

The road network presented builds from the framework and concept outlined in the MIS, developing a multi-modal network supporting walking, cycling, transit, and motor vehicles. Adjustments have been made to suit site constraints, operational requirements, and land uses. The network includes several interconnected arterial and collector roadways providing connections within and through the Central Neighbourhood Plan area. As with the MIS, there are three primary intersections along Highway 7 providing access to the Central Neighbourhood Plan. The development of an additional connection north to Keystone Avenue to support development phasing is also identified as being completed as part of the Central Neighbourhood Plan. The Jaimeson Arterial – the east-west connector through the neighbourhood – is identified for, but not currently planned to be completed in full as part of this neighbourhood development alone, and further work is required by the City to evaluate connection options.

Land use opportunities are directly influenced by the road network design. The road network requires careful planning of alignments, geometrics vertical profile and application of cross sections to ensure feasibility for access, balancing of cuts and fills, and siting retaining walls and rock fall protection. All of these influences are interdependent with utilities, drainage, environmental, and financial aspects of the area.

A companion deliverable within the road network submission is a focused review of key intersections – specifically those of arterial and collector roads – to better understand their specific geometric requirements as it relates to development area impacts, access requirements, environmental issues, and others.

Road Cross Sections

As part of the Central Neighbourhood Plan's Phase 3 process, and in conjunction with the City's Transportation Master Plan, new standard road cross sections have been developed for the City. These updated cross sections have been incorporated into the Central Neighbourhood and each work to improve mobility and connection including elements such as multi-use pathways, sidewalks, boulevards and landscaping. Road right-of-way requirements specific to each standard road cross section are being applied throughout.

Next Steps

The road network plan, including the analysis of alignments, profiles and cross sections is currently being reviewed and refined by the Proponent, coordinating with other plans being finalized for the CNP, and to incorporate comments provided by City staff and their Consultant's.