

6.1 Introduction

These Decision Making Process worksheets are a tool for road design teams to develop the most appropriate road cross-section for the project context

The recommendations in this study will be realized through the street design process as Regional roads undergo re-design, upgrading or regular maintenance.

The process outlined in the following worksheets is to be used in concert with the design guidelines and typology descriptions outlined in previous sections of these guidelines. It was developed in close collaboration with the project steering committee, which included planners and engineers from York Region. It has also been tested by numerous Regional staff who will be involved in the street design process in the future. Feedback from outside consultants and staff from local municipalities within York Region and neighbouring Regions was also included.

This integrated design process is an iterative process in which the needs of the various modes of transportation (pedestrians, cyclists, automobiles, trucks, transit and emergency services) and infrastructure systems (water, wastewater, stormwater, energy and communication) are considered and evaluated. The process is intended to draw on a range of expertise and

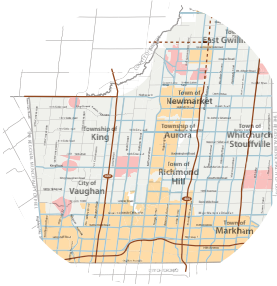
professional judgment, including internal and external stakeholders, members of the public and politicians as deemed appropriate, to build consensus amongst the project design team for selection of the most appropriate roadway cross section.

Consideration should also be given to the capital and lifecycle costs of the roadway and boulevard elements including weighing the return on investment. For example, it may not be the best option to implement maximum widths for roadway and boulevard elements simply because the planned right-of-way is available. A capital and lifecycle costing tool and estimates have been prepared to assist. *(Please refer to York Region eDOCS #7860535 "DGS Life Cycle Costs 2018" for operations and maintenance related cost estimates, and/or eDOCS #8866816 "Capital Cost Estimates for DGS Typologies - 2018". Alternatively, contact the Manager, Transportation Asset Management.)*

The elements of the resultant roadway and boulevard cross section (Step 8) are to be inserted in York Region **Design Criteria for Transportation Projects** document.

1

OPPORTUNITY STATEMENT



2

REVIEW CONTEXT



3

PRODUCE OBJECTIVES



4

SELECT A TYPOLOGY

- ☐ City Centre Street
- ☐ Avenue
- ☐ Main Street
- ☐ Connector
- ☐ Rural Road
- ☐ Rural Hamlet

5

DETERMINE ELEMENTS OF THE STREET



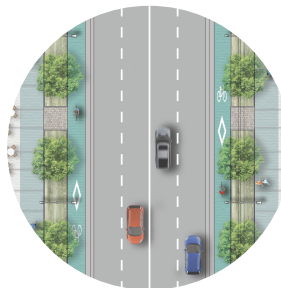
6

REFINE ELEMENTS



7

BUILD PLAN AND SECTION



8

BUILD INTERSECTIONS AND TRANSITIONS



REVISIT OPPORTUNITY STATEMENT

9