



c. DTAH

166 **C.1 Project Delivery Process**

168 **C.5 Conclusion**

This section provides a summary of the overarching process for delivering street projects in Toronto.

The conclusion outlines the intended outcomes and benefits of providing complete streets design guidance.

CONCLUSION

C.1

PROJECT DELIVERY PROCESS

Figure C-1 shows the overarching process for project delivery. The process varies for different project types. However, each project generally follows a similar framework from initiation to completion. The Toronto Complete Streets Guidelines inform and guide staff and others involved in each of the stages of delivering street projects.

PROJECT INITIATION

Street projects are initiated for various reasons, such as for state of good repair, new developments, safety, or Business Improvement Areas. At the outset, staff will outline the needs, goals and budgets, take into account complete streets vision and goals, and consult the City's plans, like the 10-year Capital Plan and area-specific plans.

CONTEXT ANALYSIS

A key step noted in Chapter 3 is gathering and reviewing all the background data to inform the street's context and the project's objectives. This work will likely involve reviewing area plans, site assessments, additional data collection and analysis, and consultation.

PRELIMINARY DESIGN AND DECISION MAKING

Once the project's objectives are established, a complete streets decision-making framework can be developed to weigh the pros and cons of street design options. (See Chapter 3 for more guidance.) Design options are developed based on the understanding of the street's context, a risk assessment of impacts on vulnerable road users, and complete streets guidance. An evaluation and documentation of the options is done and usually involves consultation on the evaluation criteria and the options. Challenges will include dealing with trade-offs and coming up with creative solutions. Project costing and design adjustments are made as the street design and approvals are agreed upon by many parties and finalized.

CONSTRUCTION DESIGN

The agreed-upon street design is passed on to the engineering and construction teams for detailed construction engineering work. Engineers should consult client divisions and staff (e.g., Beautiful Streets, Cycling Infrastructure, Pedestrian Projects, Toronto Water, Urban Design, etc.) on the construction specifications and standards for complete street elements. It is costly to change designs at this stage, but minor changes may be necessary for review and refinement. Sometimes projects are deferred if the scope increases and more major changes require more time and resources.

CONSTRUCTION ADMINISTRATION

The detailed designs are completed and the project is usually contracted out for construction. Construction notifications and communications with the public are best practices.

Both staff and contractors working in the City of Toronto must observe Ontario Traffic Manual Book 7: Temporary Conditions and the City's work zone policies. Attention is required to safely and clearly accommodate pedestrians and cyclists in construction work zones.

OPERATIONS AND MAINTENANCE

Operation and maintenance needs should be considered throughout the planning and design process. Project outcomes should be monitored and lessons learned should be documented and shared. Where possible, measuring the performance of streets should be integrated before, during and after street projects are built.

MORE INFORMATION

- "[Construction Standards – Engineering & Construction Services – Services](#)." City of Toronto. Accessed October 27, 2016.
- City of Toronto. [Guidelines for Covered Walkways](#). 2014.
- City of Toronto. [Guidelines for Work on Streets in the Area of Schools](#). 2014.
- City of Toronto. Standards for Cycling Safety in Work Zones. Anticipated 2017.
- Ministry of Transportation of Ontario. [Ontario Traffic Manual Book 7: Temporary Conditions](#). 2014.

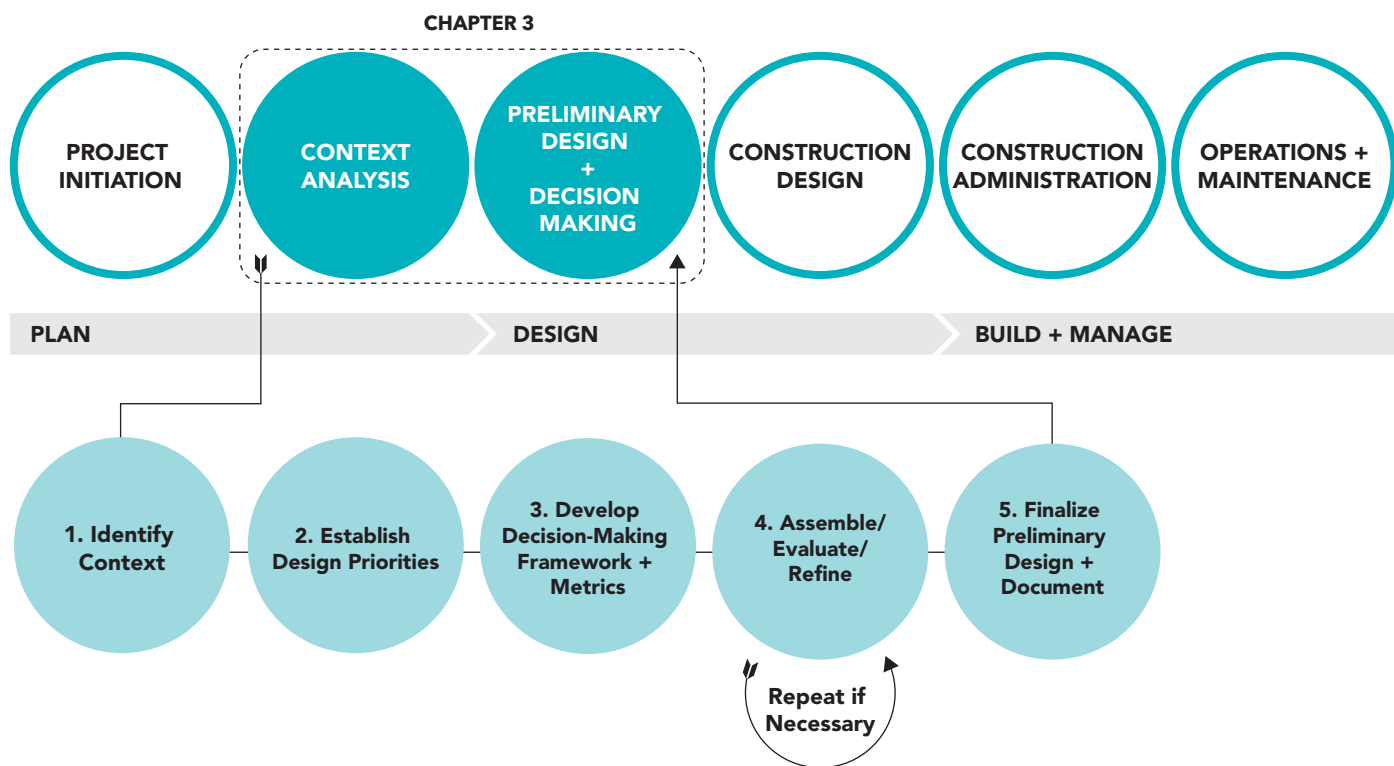
**COLLABORATION WITH CITY STAFF, STAKEHOLDERS AND PUBLIC**

Figure C-1: Toronto Complete Streets Project Delivery Process

C.2

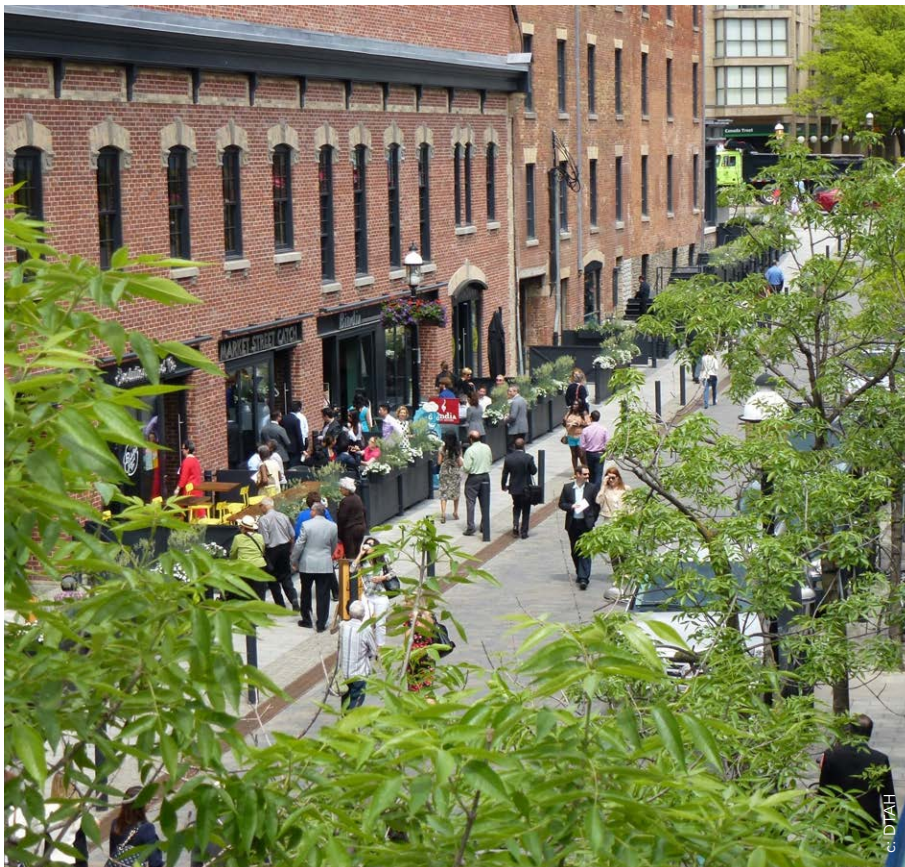
CONCLUSION

The goal of the Complete Streets Guidelines is to provide a primer on the important considerations in designing our streets to fully consider all uses and users of our streets. The guidance is meant to aid City staff and others to think of the important considerations in each of the steps in street design. By providing complete streets design guidance and setting out a multi-disciplinary approach to designing our streets, the potential outcomes and benefits are that:

- Stakeholders will be more informed about street design considerations;
- Street design processes will be more inclusive of the many stakeholders and citizens who are affected by street projects;
- More consistency, clarity and transparency will be encouraged through documenting the evaluation of street design options and the rationale behind decisions made.

The Guidelines contain a vision, goals and design guidance that align with the City's current policies, and as such, will be updated every five years similar to Toronto's Official Plan.

Street design is an evolving practice. In the coming years, design strategies used elsewhere, and technologies that do not yet readily exist in Toronto, will affect how we plan, design, build and operate our streets. Street designers should stay up-to-date on the latest best practices to learn from research and designs from other jurisdictions to continue the improvements to our city's street network.







OUR STREETS
ARE THE COMMON SPACE
WHERE OUR CITY COMES
TOGETHER.

OUR STREETS
THROUGH THEIR LOOK,
FEEL, AND FUNCTION
SHOULD DEMONSTRATE
HOW WE WANT TORONTO
TO BE AND TO CHANGE.



