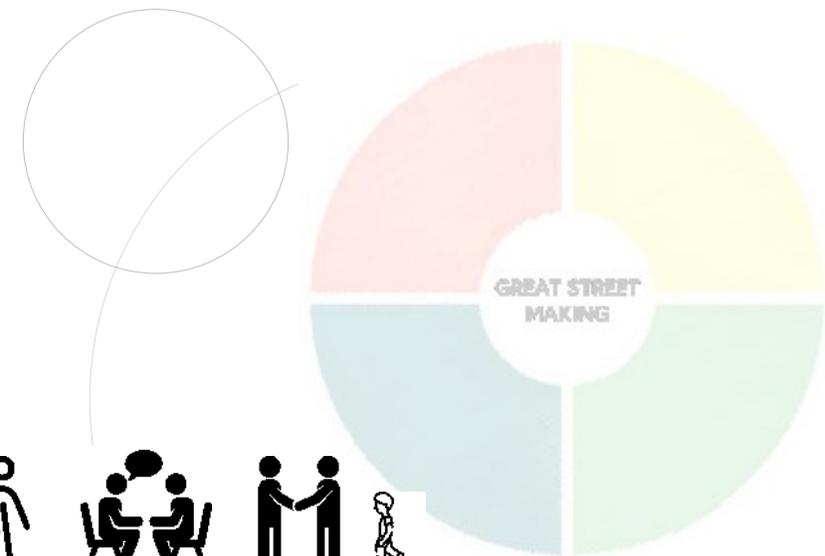




STREETScape DESIGN – COST SAVING OPTIONS

LAC-LA BICHE 101 AVENUE – STREETScape IMPROVEMENTS



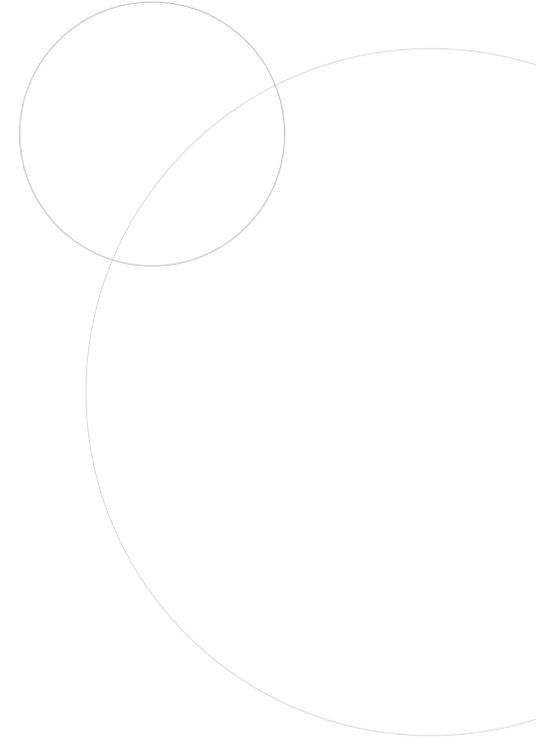


PROJECT OBJECTIVES

1. Main street shall be designed in a way to implement Crime Prevention Through Environmental Design (CPTED) principles.
2. Main street shall be designed to accommodate for pedestrians and vehicles to operate safely within all seasons and the ability to accommodate for programming of events.
3. Main street shall be designed to incorporate LED lighting in all forms of street lighting that creates consistent visibility throughout the street and side streets/ alleyways.
4. Main street shall incorporate waste receptacles that include separating waste for recycling purposes.
5. The design of Main street shall consider the relationship of the existing built form on adjoining lands. Beyond the design of Main street, the County shall investigate other methods to encourage re-invigoration of building facades and redevelopment of vacant lands or deteriorated buildings.
6. The design of Main street shall include the provision for a mid-block crossing and possible bulb outs at intersections.
7. The focus of the redesign of Main street shall be on enabling easy stress-free movement for pedestrians that incorporates Universal Accessibility principles.
8. Main street shall be designed to include landscaping and public art-work throughout the street.
9. Main street roadway shall be reconfigured to a width that accommodates a 30km design speed.
10. Main street shall identify and design spaces that enable enjoyable and fun public areas including the provision for street patios to accommodate for outside dining.
11. The design team should identify how to eventually remove direct driveway access to Main street and prevent future driveway accesses coming directly off Main street.
12. The design should implement infrastructure to accommodate major events in all seasons.
13. The implementation of street lighting should take into consideration the ability to implement dark skies certified street lighting and avoid upward lighting.
14. Main street should have benches and other seating opportunities for pedestrians to enable people to safely gather or rest when walking down Main street.



STREETLIGHTING OPTIONS – DESIGN VS STANDARD



STREETLIGHTING OPTIONS – DESIGN VS STANDARD



STREETLIGHTING OPTIONS – DESIGN VS STANDARD



STREETLIGHTING OPTIONS – DESIGN VS STANDARD



STREETLIGHTING OPTIONS – DESIGN VS STANDARD

Product Type	Cost Estimate
Torres Design Streetlight	\$571,200
Cobra Head	\$336,000

Design Difference

- The Torres provides two light heads to illuminate the road and pedestrian sidewalk
- The Torres product design aligns with other streetscape elements
- The Torres is corrosion resistant

NOTE: A similar design could be presented during the tender process that is cheaper.





STREETLIGHTING OPTIONS – BULB OUTS VS NO BULB OUTS



STREETLIGHTING OPTIONS – BULB OUTS VS NO BULB OUTS





STREETLIGHTING OPTIONS – BULB OUTS VS NO BULB OUTS

Product Type	Cost Estimate
Bulb – outs	\$15,907,792
No bulb outs	\$14,637,012





QUESTIONS | DISCUSSION

