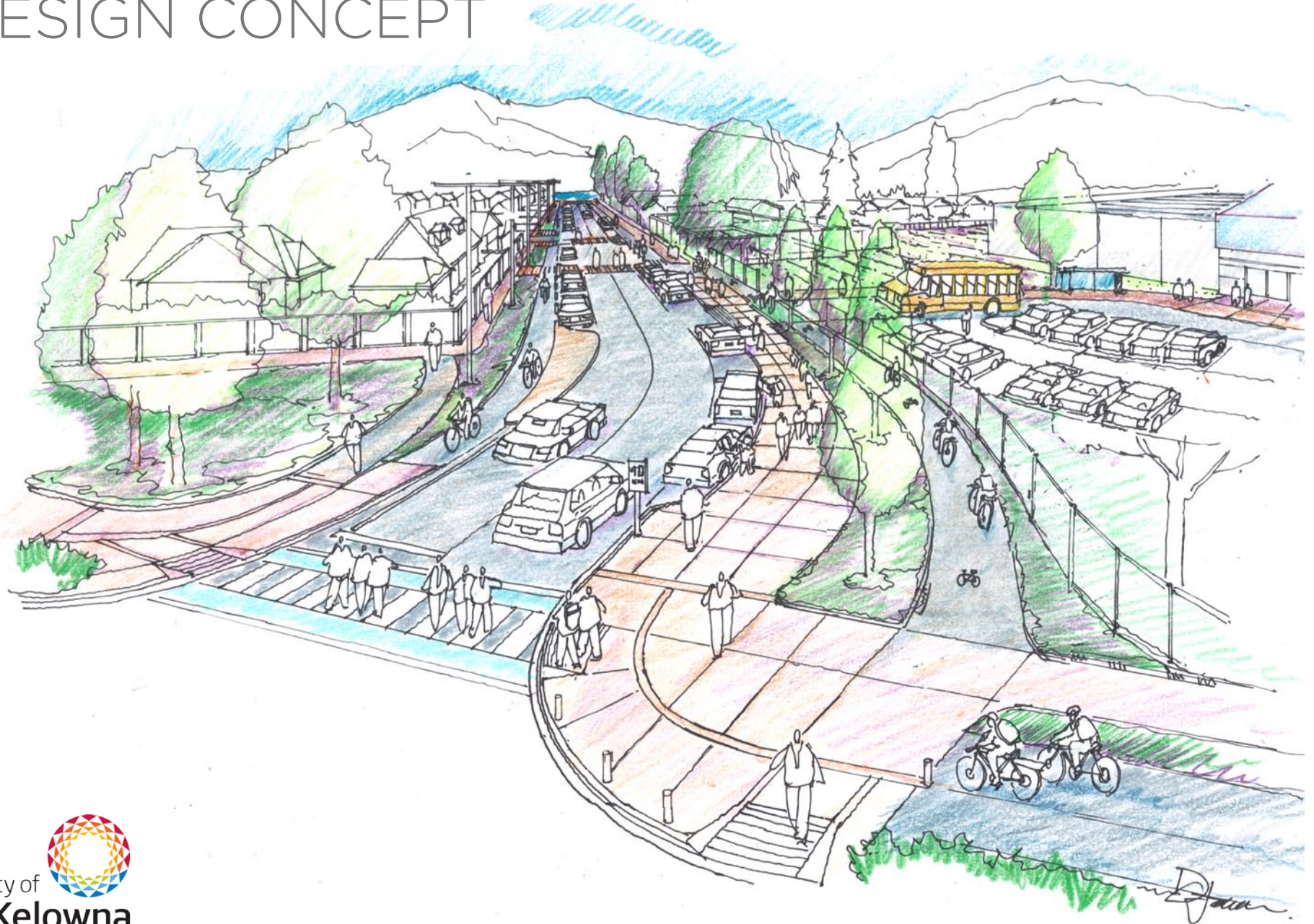


CASORSO 3 ATC

DESIGN CONCEPT



PROJECT SUMMARY

The Casorso 3 Active Transportation Corridor (ATC) follows Casorso Road from K.L.O. Road to Barrera Road. This future segment fills the final gap in the continuous north-south ATC corridor from Downtown to the Lower Mission and will provide people walking and biking with better access to Okanagan College, Casorso Elementary School, and Pandosy Urban Centre.

The City aims to make walking and biking safe, convenient, and practical modes of travel. Active transportation corridors increase the number of people walking and biking by providing comfortable and safe connections between key destinations for bicyclists of all ages and abilities.

The Casorso 3 ATC will include protected bike lanes from K.L.O. Road to Barrera Road. For users of Casorso Road, this means:

- Protected bicycling connection to the north to Casorso 4 ATC which links to Okanagan College and the Ethel ATC.
- Protected bicycling connection to the south to Barrera Road / Casorso Road multiuse pathway and bike lanes which links to the Gordon Drive and Lakeshore Road multiuse pathways.
- Improved safety at intersections for people walking and biking.
- Improved loading space for Casorso Elementary School and new crosswalk.
- Reduced parking to one side of the street, similar to Ethel ATC.
- Relocating the southbound bus stop on Casorso Road to westbound Lanfranco Road.



CONCEPT DEVELOPMENT

The City has evaluated multiple options for the Casorso 3 ATC and selected one-way protected bike lanes on both sides of the street, similar to Ethel ATC. The one-way protected bike lanes are preferred for the following reasons:



Provide a safer, more comfortable, and user-friendly design for bicyclists by physically separating them from motor vehicles. Safer at intersections.



Better accommodate anticipated future development and traffic growth.

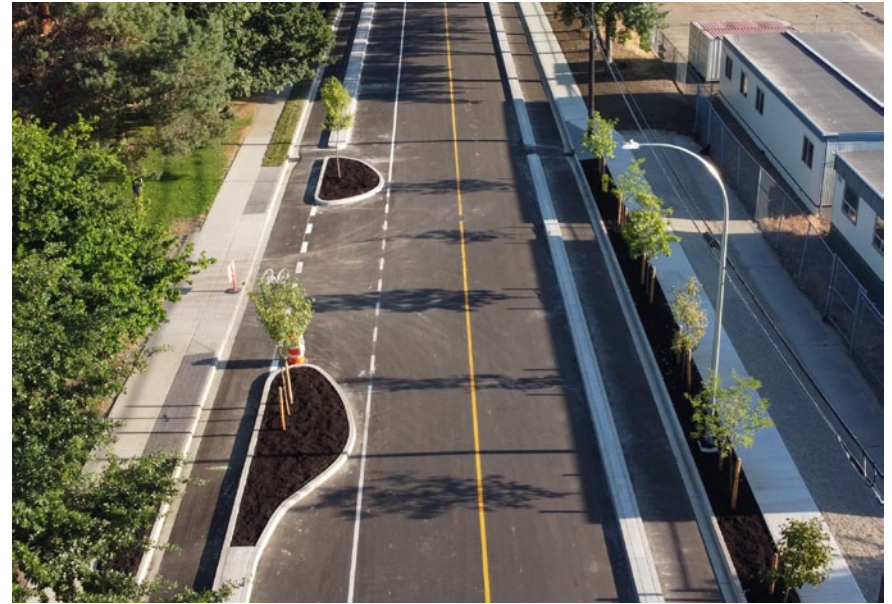


More suitable for construction in stages without interim measures to cross bike lanes.

Separation between bicyclists and traffic will be made by raised concrete and by on-street parking.

Parking on both sides will be maintained in front of Casorso Elementary School. There will be loss of on-street parking to provide the protected bike lanes from K.L.O. Road to Bechard Road. Parking on both sides between K.L.O. Road and Lanfranco Road was evaluated but not accommodated due to constraints in the existing curb, gutter, and sidewalks.

Two-way protected bike lanes were considered for the east side of Casorso Road, similar to Sutherland ATC, but did not perform as well at intersections while providing less parking.



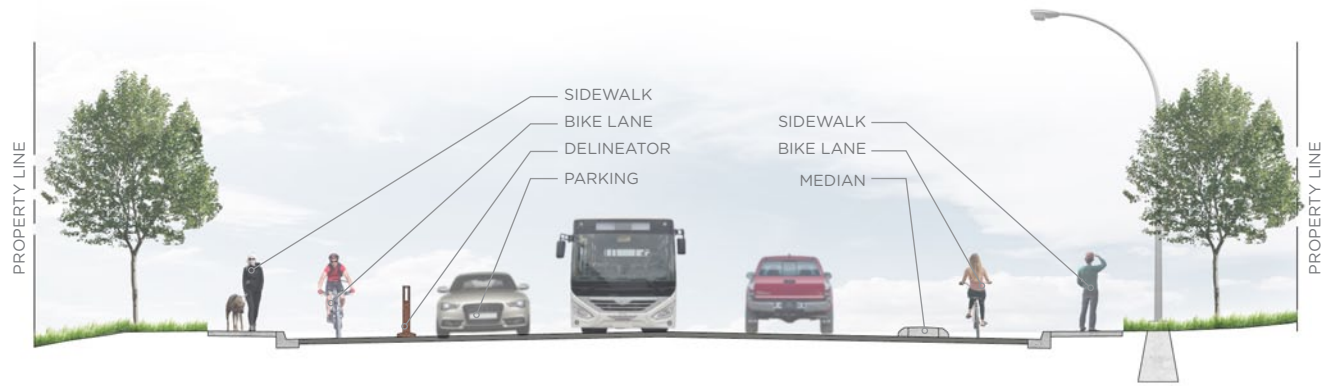
EXAMPLE OF ONE-WAY PROTECTED BIKE LANE - ETHEL ATC:

PARKING CHANGES

- K.L.O. Road to Swordy Road – Despite high parking use in this section, parking will only be accommodated on the west side of the street due to limited space between curbs and sidewalks. The City did consider widening the road to accommodate parking on both sides but identified a cost premium of \$700k to provide approximately 30 spaces. This is significantly beyond the project budget and not supported.
- Swordy Road to Bechard Road – There is low use of on-street parking in this section and limited right-of-way. Similar to Ethel ATC, parking is proposed on the east side where there are fewer driveways and more space for stalls.
- Bechard Road to Barrera Road – Parking use is highest during school drop-off and pick-up. There is sufficient space to provide parking on both sides of the street.



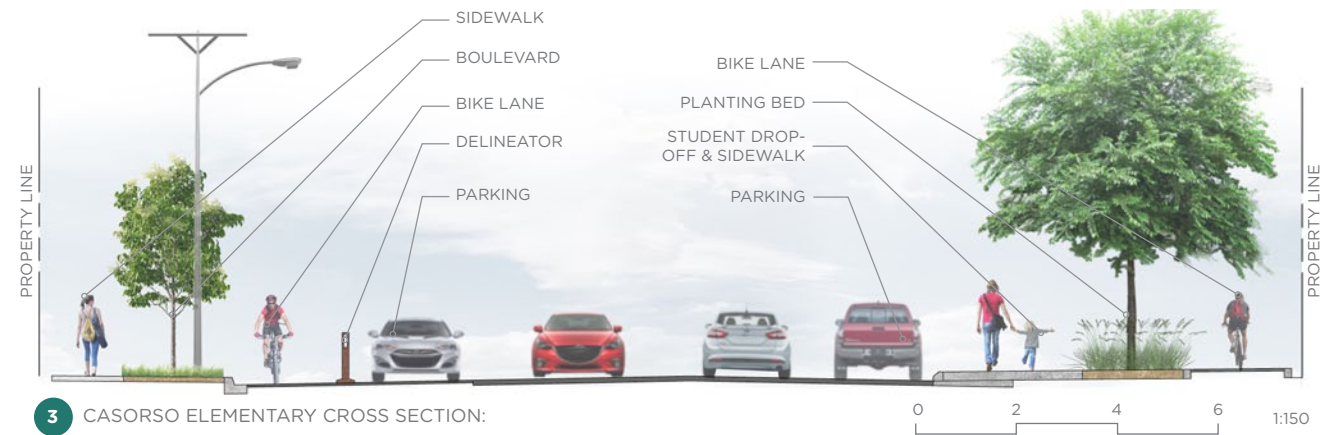
PARKING DIAGRAM:



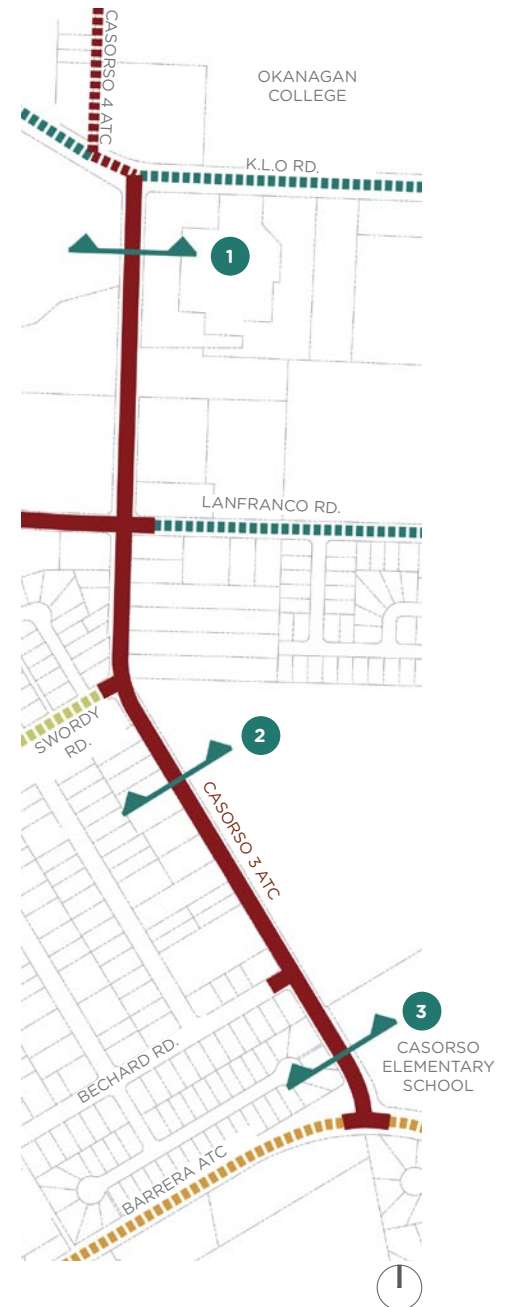
1 K.L.O. TO LANFRANCO CROSS SECTION:



2 SWORDY TO BECHARD CROSS SECTION:

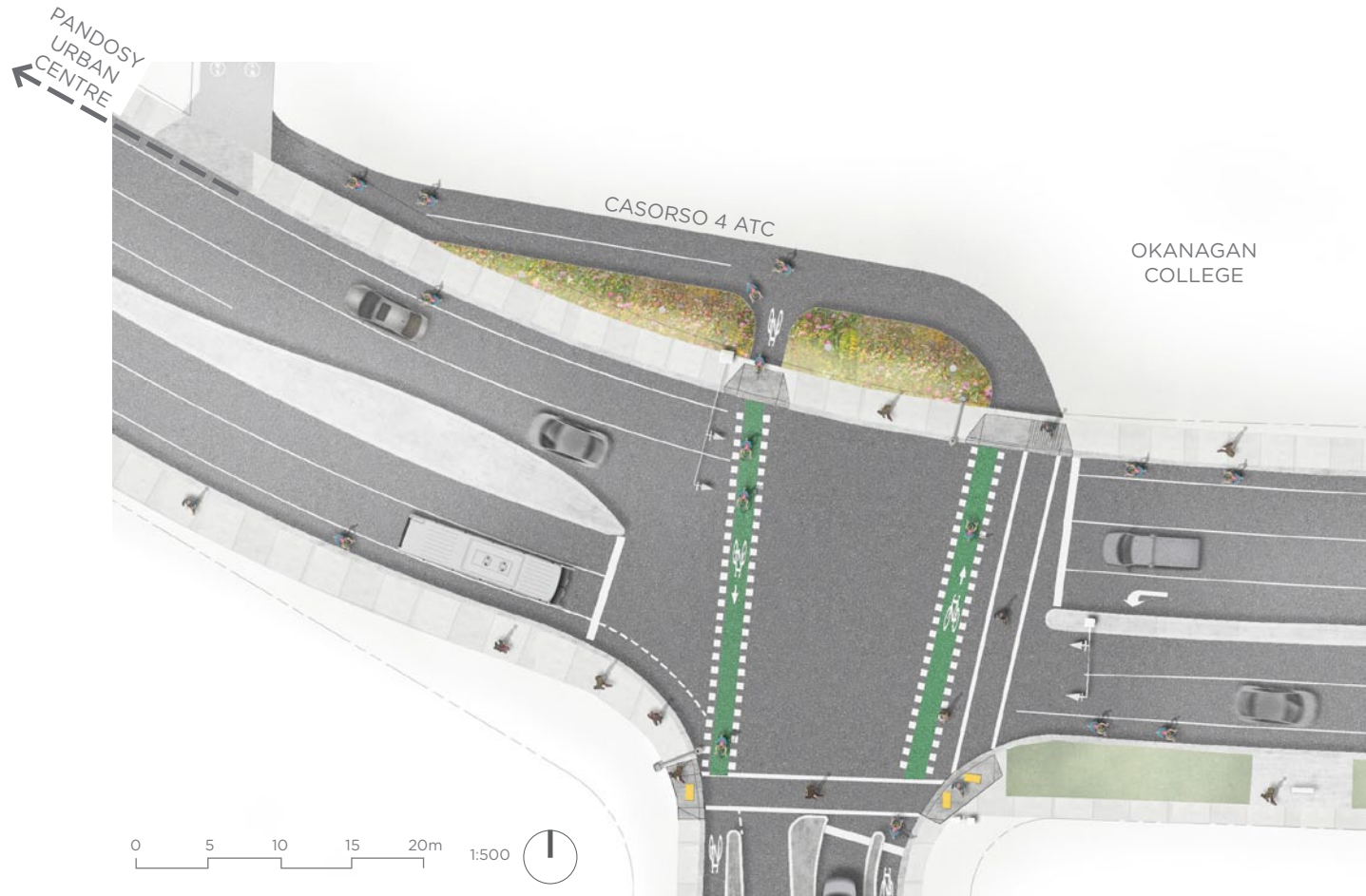


3 CASORSO ELEMENTARY CROSS SECTION:



K.L.O. ROAD INTERSECTION

The Casorso 4 ATC bike path along K.L.O. Road will transition to protected bike lanes on the south side of the intersection. Improvements include marked and signalized crossings for people walking and biking across K.L.O. Road.



LANFRANCO INTERSECTION

The Lanfranco Road intersection with Casorso Road will operate as an all-way stop. The design allows for reconfiguration to support a traffic signal and left-turn lanes in the future. The southbound bus stop (routes #4 & #12) on Casorso Road will be relocated to westbound Lanfranco Road.



CASORSO ELEMENTARY SCHOOL

The block of Casorso Road between Bechard Road and Barrera Road will support access to the school with protected bike lanes, sidewalk improvements, and new and enhanced crosswalks. Parking will be provided on both sides with improvements to loading zones, which will enhance safety and visibility of pedestrians. Continued consultation with the school is planned in December.



PROJECT TIMELINE

- January/February 2022 – Detailed Design of K.L.O. Road to Barrera Road
- Summer/Fall 2022 – Construction of K.L.O. Road to Lanfranco Road
- 2023-2025 – Construction of Lanfranco Road to Barrera Road (As per Transportation Master Plan and 10-Year Capital Plan)

PROVIDE YOUR FEEDBACK

Provide your feedback at <https://getinvolved.kelowna.ca/casorso-active-transportation-corridor>

Public engagement feedback will be used to inform the detailed design and construction.

CITY OF KELOWNA

Contact: Kamil Rogowski - krogowski@kelowna.ca

