

Segment 2 - 20 Street N.W. to North Hill Centre Pedestrian Overpass

Key features include:

1. Existing transit stop relocated from east of 20A Street N.W. to west side of intersection to remove potential congestion in the traffic circle when the bus is stopped, and maintain efficient traffic flow and sight lines.
2. On-street parking maintained along north side of 14 Avenue N.W. from laneway between 23 Street N.W. and 22A Street N.W. to west of 20 Street N.W. Parking has been removed on the south side to accommodate the full design, providing for dedicated travel lane widths in both directions and more space between opposing vehicle travel lanes. This will also accommodate the multi-use pathway along the north side without impacting the existing landscaping that is within the road right-of-way.
3. Multi-use crosswalk for east-west pedestrian/cyclist movement and directional accessible ramps at all corners along north side and south side of 14 Avenue N.W.
4. Multi-use (3.0 metres) pathway along north side. North side pathway avoids conflicts with higher westbound to southbound left turn traffic movements west of 19 Street N.W., overhead power lines, transit stops, provides direct connection to Riley Louise Library, North Hill Centre, and connects to future pathway across 14 Street N.W. bridge to SAIT/Jubilee/AUArts.
5. Sidewalk along south side between 20 Street and 19 Street N.W. widened to 2 metres for additional space for pedestrians along 14 Avenue N.W. corridor and at intersections.
6. Up to 2 trees may require removal along the south side of the Lions Park Plaza building to make room for extension of the eastbound left turn lane.
7. Eastbound to northbound left turn lane at 19 Street N.W. maintained and extended for additional traffic queuing capacity.
8. Transitional multi-use pathway to shared space for all modes in front of Lions Park Plaza, and retain existing tree.
9. Pedestrian waiting area at 19 Street N.W. expanded and improved with directional wheelchair-accessible ramps at all corners of the intersection.

10. Right turn island removed to slow turning movement onto 19 Street N.W. and improve yielding drivers' view of on-coming traffic. Provides additional space for pedestrians waiting to cross the street, allows for a single crossing, and reduces total crossing distance for pedestrians and cyclists.
11. Opportunity to plant trees on the northeast, northwest and/or southeast side of the 14 Avenue N.W./19 Street N.W. intersection. Opportunity for additional landscaping will be explored during detailed design and included where possible. Landscaping can improve air and water quality as well as support biodiversity.
12. Existing transit stop removed and consolidated with transit stop to the east by Lions Park Station. This will remove potential conflicts and congestion at the 19 Street N.W. intersection for eastbound traffic when a bus is stopped.
13. Through travel lanes reduced to consistent lane widths of at least 3.3 metres to reduce vehicle speeds and improve predictability and overall safety for road users.
14. Cross section C-C: Street section view showing improvements with reference to the existing condition. The cross section is looking east along 14 Avenue N.W., from west of Louise Riley Library.
15. Concrete half barriers at Lions Park Station along south edge of road to encourage people travelling between the Station and North Hill Centre to use the existing two marked pedestrian crossings with overhead flashers. To also deter people from using the new raised median as a pedestrian refuge.
16. Raised median island across from Lions Park Station to allow for dedicated eastbound left turn lane at Safeway and Louise Riley Library access, and prevents weaving of eastbound through traffic to reduce conflicts.
17. Improved and larger waiting area at the westbound bus stop in front of North Hill Centre. Pathway runs behind the bus stop platform to minimize conflict between pathway users and transit users. Existing trees maintained where possible.
18. Existing narrow sidewalk south of existing planters behind Lions Park Station replaced with 3.0 metres multi-use pathway to tie-in to existing pathway to the east and west of the Station.
19. Single eastbound through lane that reduces traffic weaving and queuing behind transit zone. Improves overall safety and predictability for road users travelling eastbound.
20. Curb bulb shortens crossing distance and improves visibility of pedestrians at crosswalk on east end of Lions Park Station.
21. Dedicated eastbound bus bay at east end of Lions Park Station to provide separate waiting area for buses to stop, without impacting main travel lane.

22. Multi-use (4.0 metres) pathway along north side. North side pathway avoids conflicts with higher westbound to southbound left turn traffic movements west of 19 Street N.W., overhead power lines, transit stops, provides direct connection to Riley Louise Library, North Hill Centre, and connects to future pathway across 14 Street N.W. bridge to SAIT/Jubilee/AUArts.