

Project Details

Project Boundary:	Charlton (MacNab to Ferguson) John (Charlton to St. Joseph's) MacNab (Charlton to Herkimer)	Funding Source:	On-street Cycling 2022
Phase:	Design (2022 Install)	Project Length:	1 km
Project #/ CMP #:	22-010/ 52	Ward:	2

Key Map



Description

Charlton Ave: add barrier separated bicycle lanes between MacNab St and Walnut St; add painted bicycle lanes between Walnut St and Ferguson Ave.
John St: add a short connection (left turn lanes for bicycles) from Charlton Ave to St. Joseph's Dr.
MacNab St: add NB buffered bicycle lane between Charlton Ave and Herkimer St.

Precedent Images and Visualizations



Hunter St, Hamilton
Flexposts and precast curbs



Locke St, Hamilton
Green skip lines (for loading zone area)

Potential Impacts

HSR Route/Area	Impacts
22 (Upper Ottawa)	Minimal impact anticipated to all HSR routes.
23 (Upper Gage)	
24 (Upper Sherman)	
25 (Upper Wentworth)	
26 (Upper Wellington)	
27 (Upper James)	

Parking Review

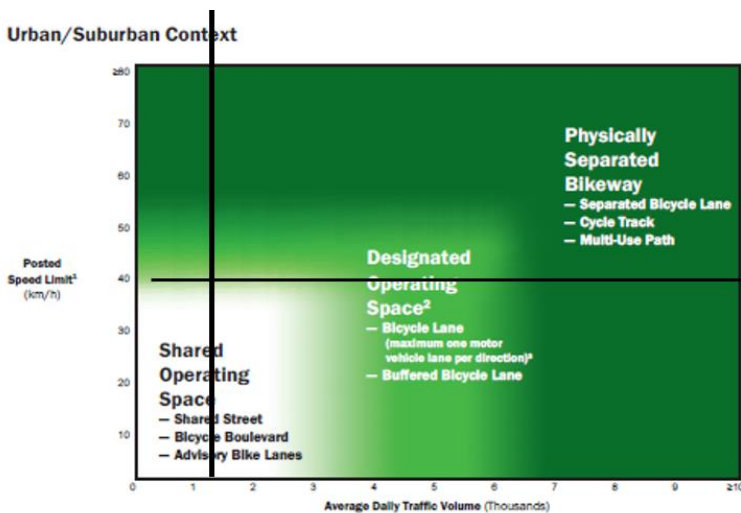
Existing metered on-street parking on Charlton Ave between James St and John St to be removed to accommodate separated bicycle lanes. Existing loading zone on the north side, west of Hughson St to be accommodated.

Rationale

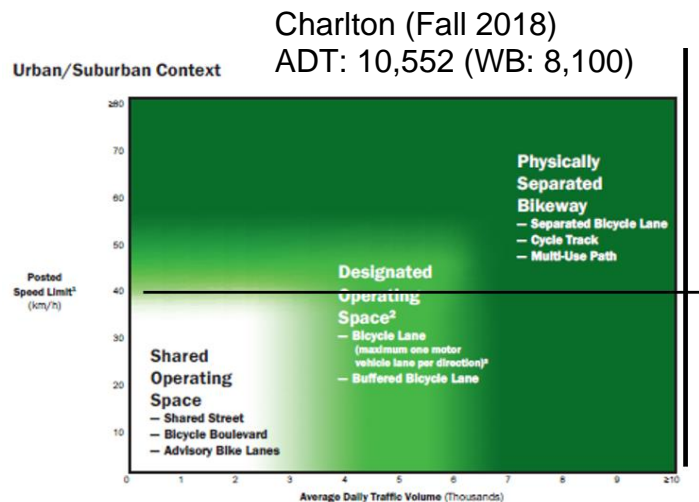
This segment completes the connection between Herkimer/Charlton and Ferguson Ave, connecting the Durand and Corktown neighbourhoods. It also provides a connection to the Keddy Trail (via St. Joseph's Dr) as well as serving the hospital and adjacent medical buildings along Charlton Ave.

According to the cycling facilities nomograph (OTM Book 18), Charlton Ave should have a separated cycling operating space, which will be marked with precast concrete curbs, flexposts and painted buffers. Additionally, John St should have a separated cycling operating space. The ultimate design of John St includes an off-road 3.0m path along the east side between Charlton Ave and St. Joseph's Dr.

Cycling Facilities Nomograph Alignment (OTM Book 18)



MacNab (one way NB)
1,250 (June 2001)



Charlton (Fall 2018)
ADT: 10,552 (WB: 8,100)

John
ADT (Sep 2018): 21,308 (NB: 15,580)
As John St is a 4-lane cross section, OTM Book 18 recommends a separated facility, as per the ultimate design

Strategic Alignment

Capital Plan

Charlton Ave, John St and/or MacNab St are not planned for any capital works within the next 5 years.

Transportation Master Plan

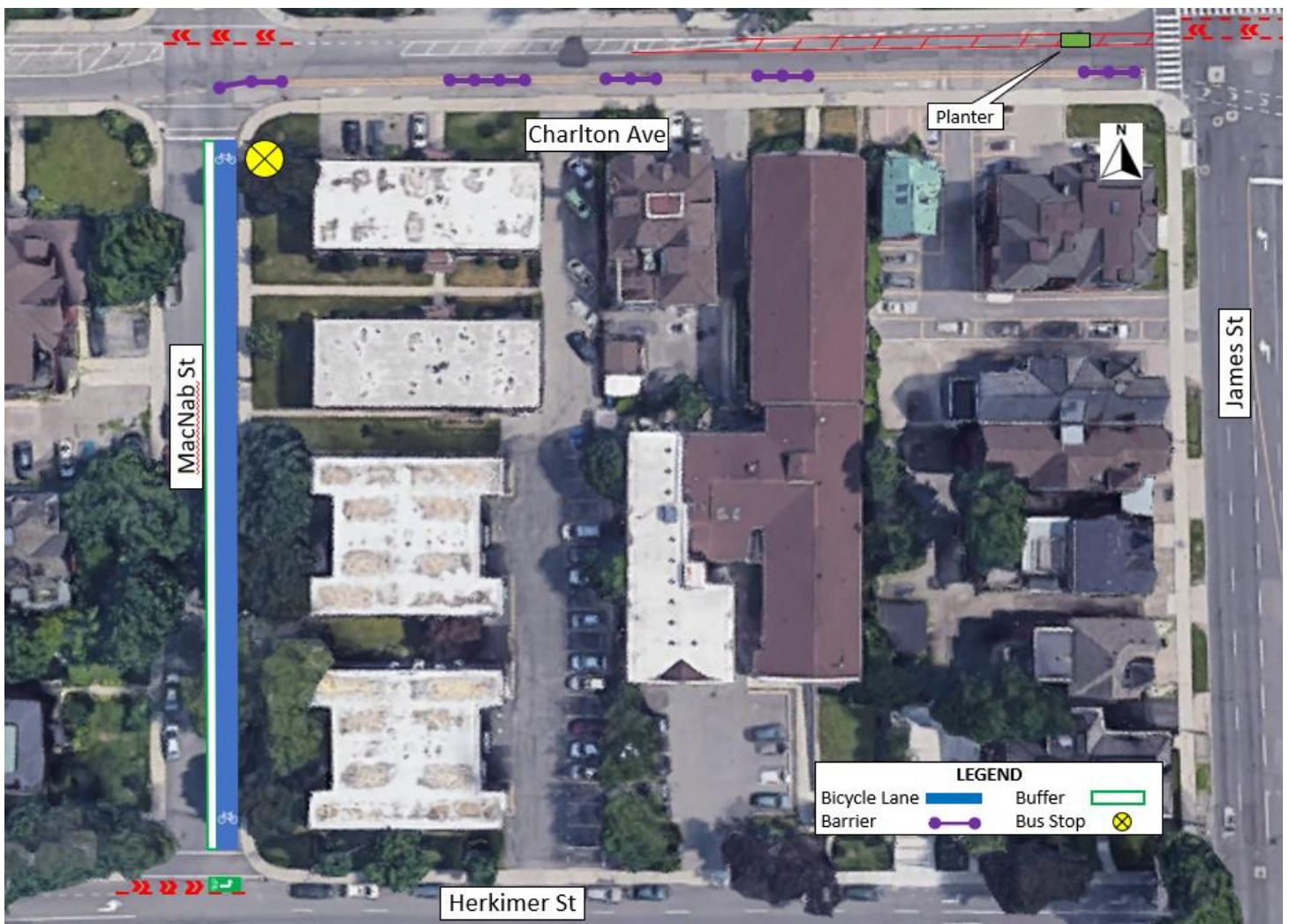
Action 15 - As part of the implementation of the cycling network, undertake an evaluation of altern alternatives in order to select routes which maximize safety for cyclists and promote continuity of the network across the City

Sustainable Mobility KPI's and Cycling Master Plan

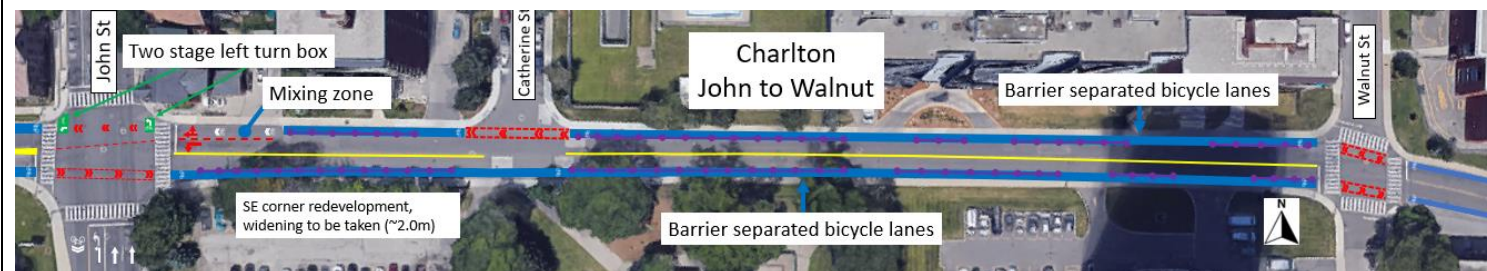
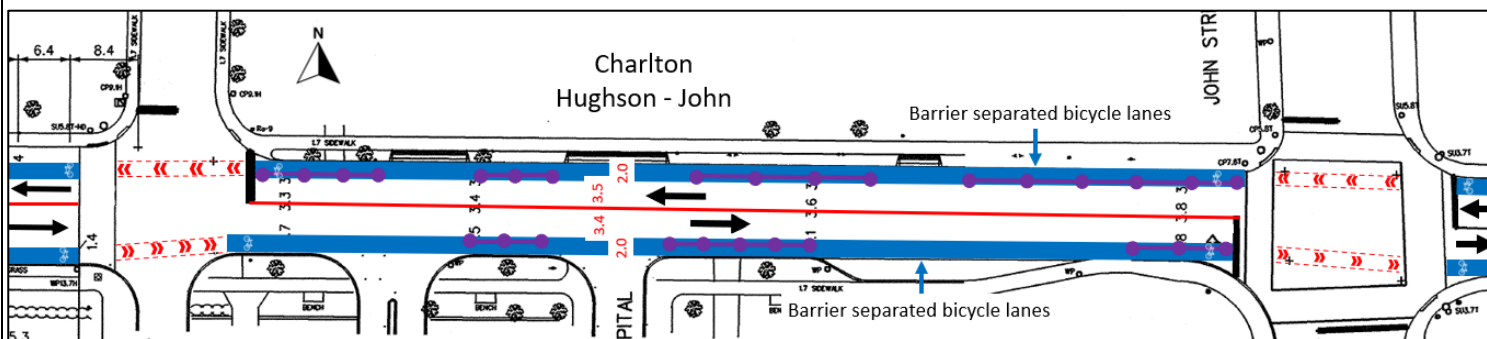
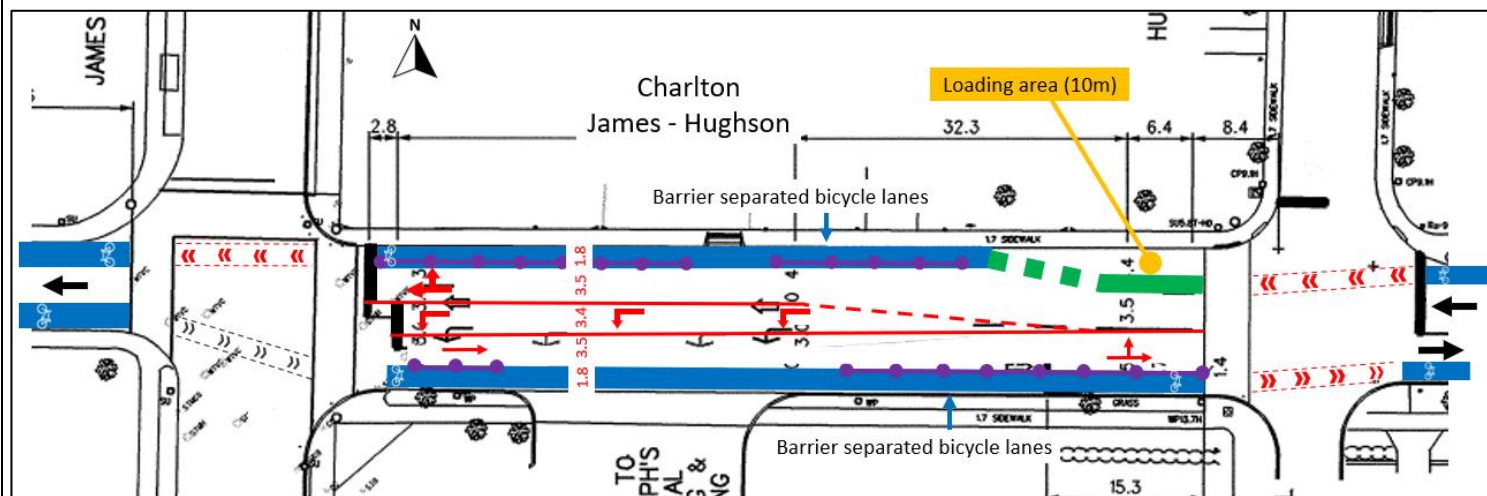
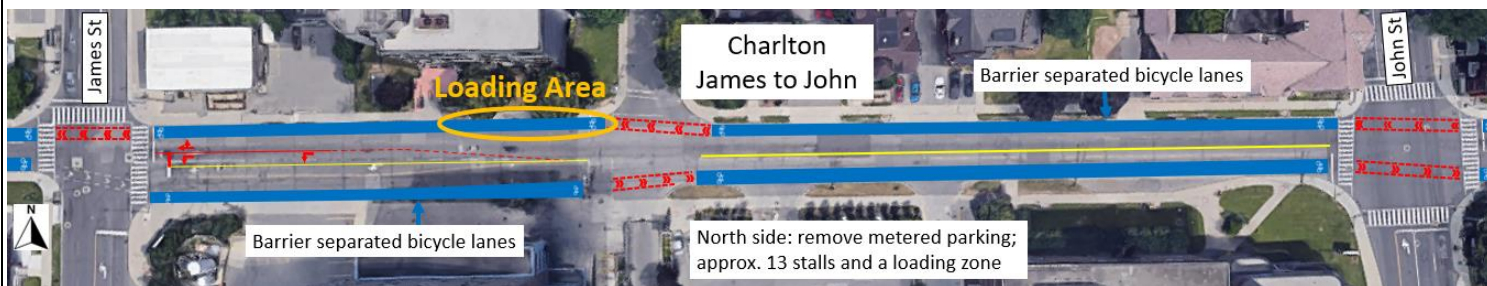
Increase kilometers of cycling infrastructure

Facilitate pandemic response through active transportation

Detailed Maps

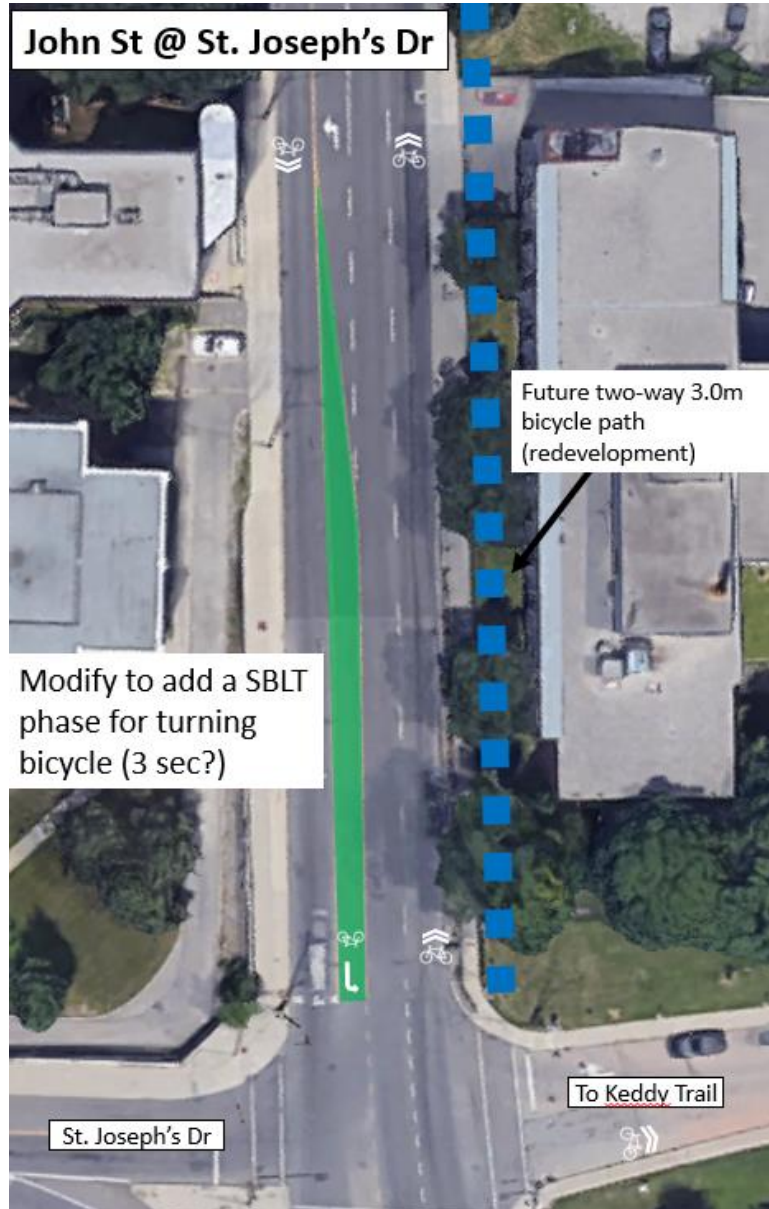


Detailed Maps

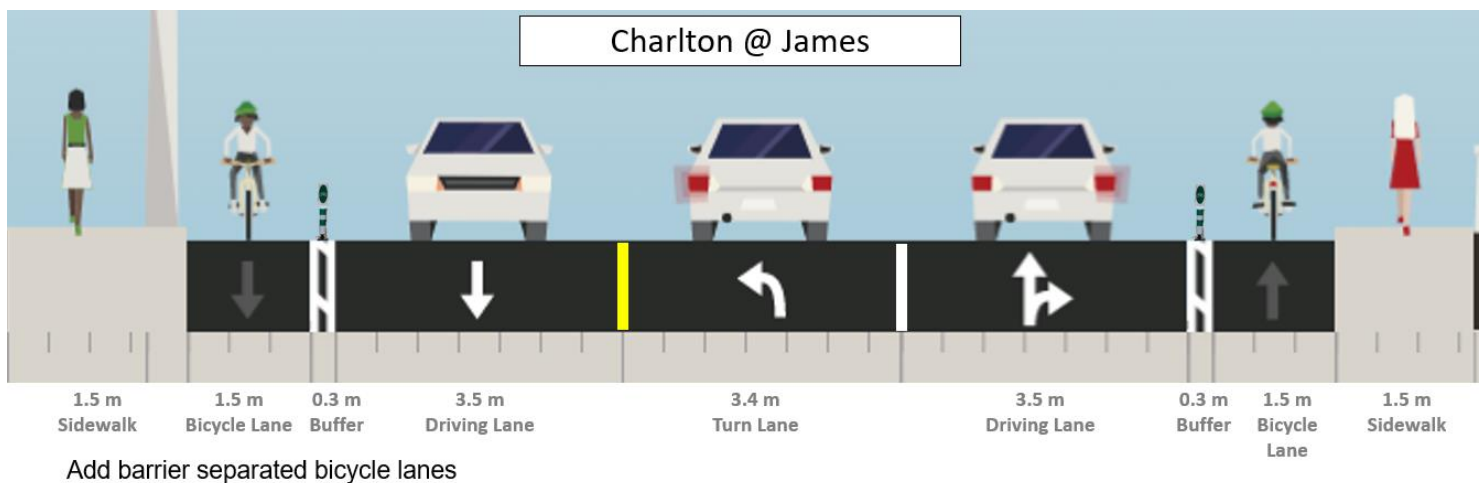
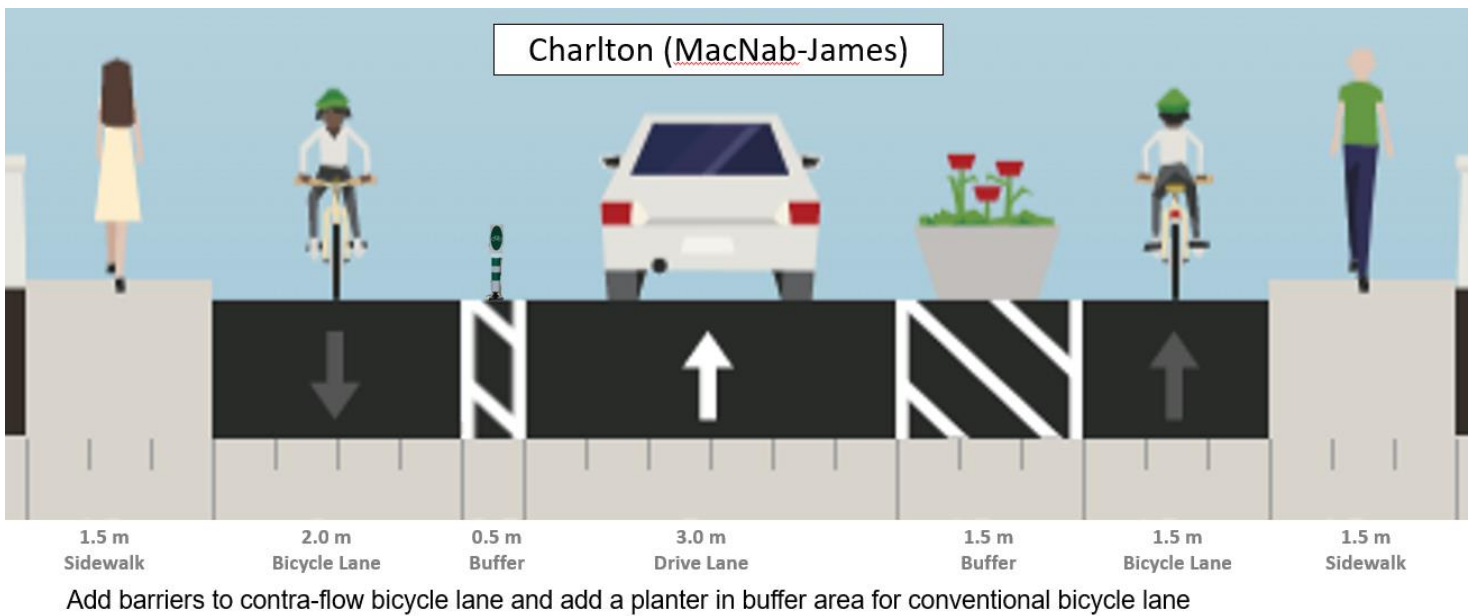
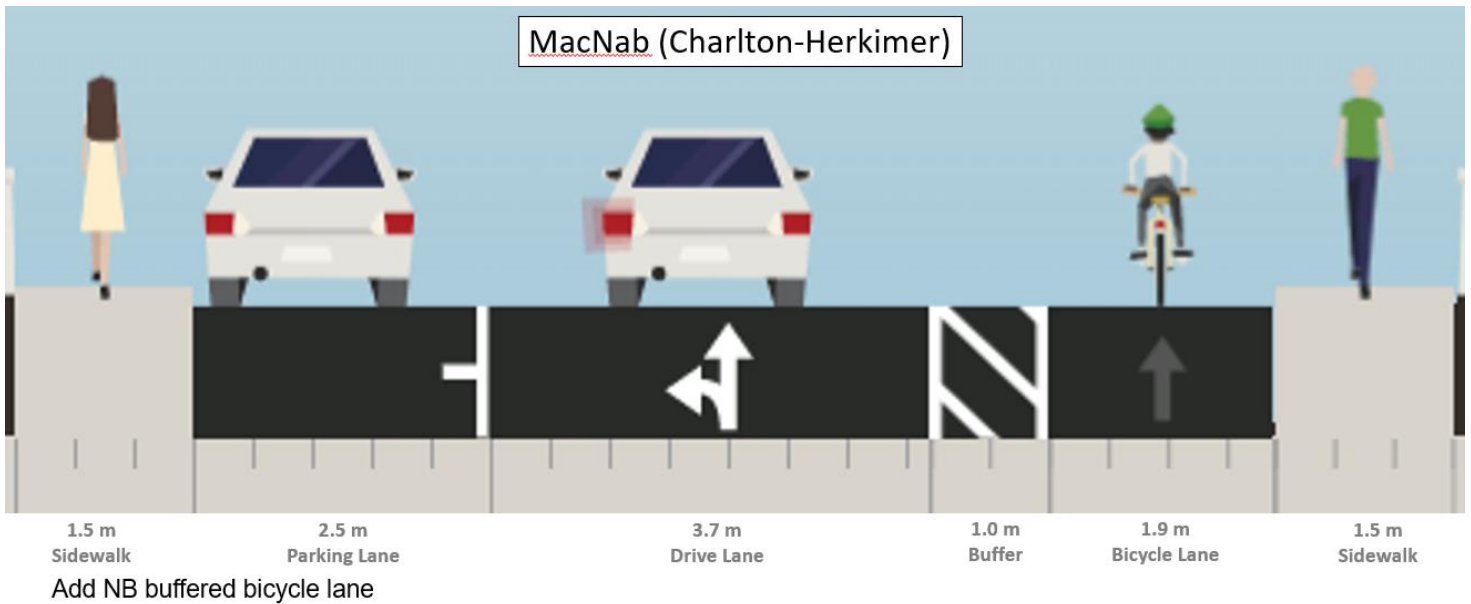


**Road widening @ John St to be ~2.0m and taken from SE corner redevelopment (in progress). Ultimate design WB to include dedicated bicycle lane, thru/right lane and exclusive left turn lane.

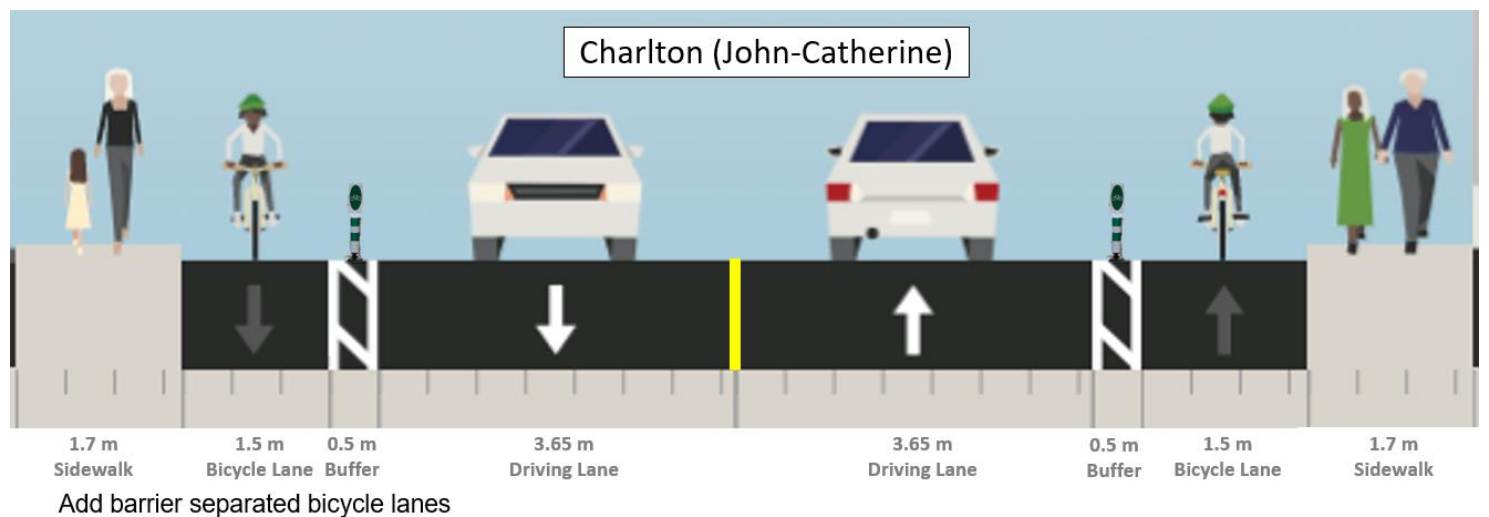
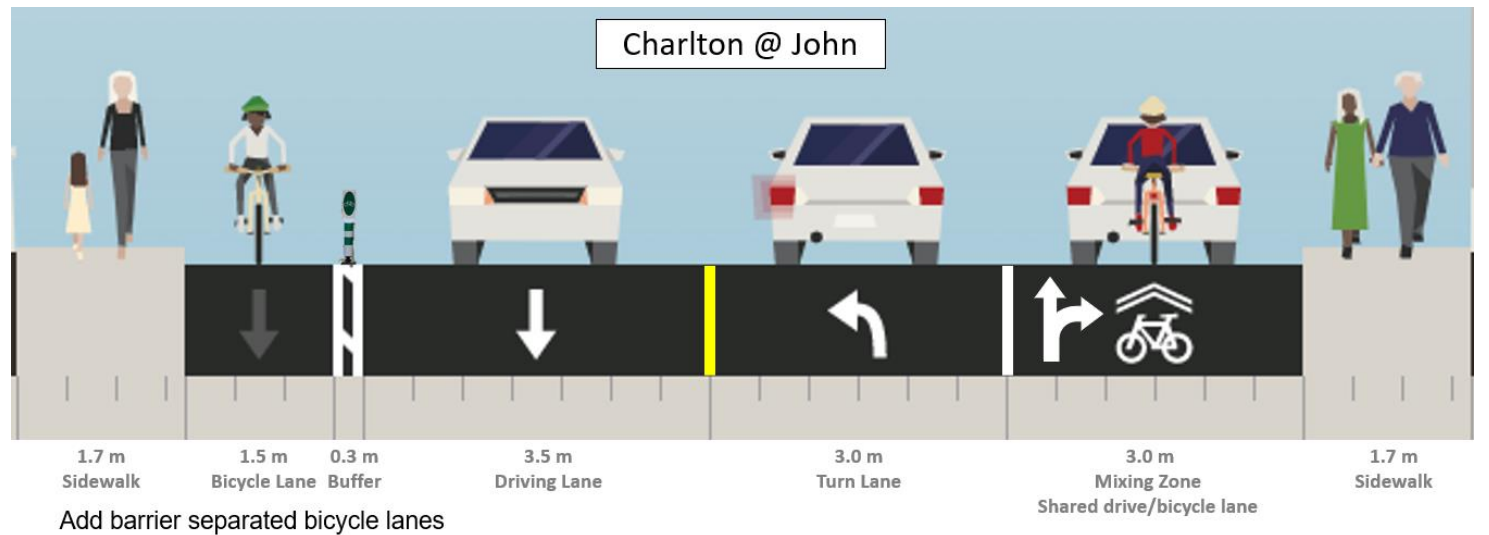
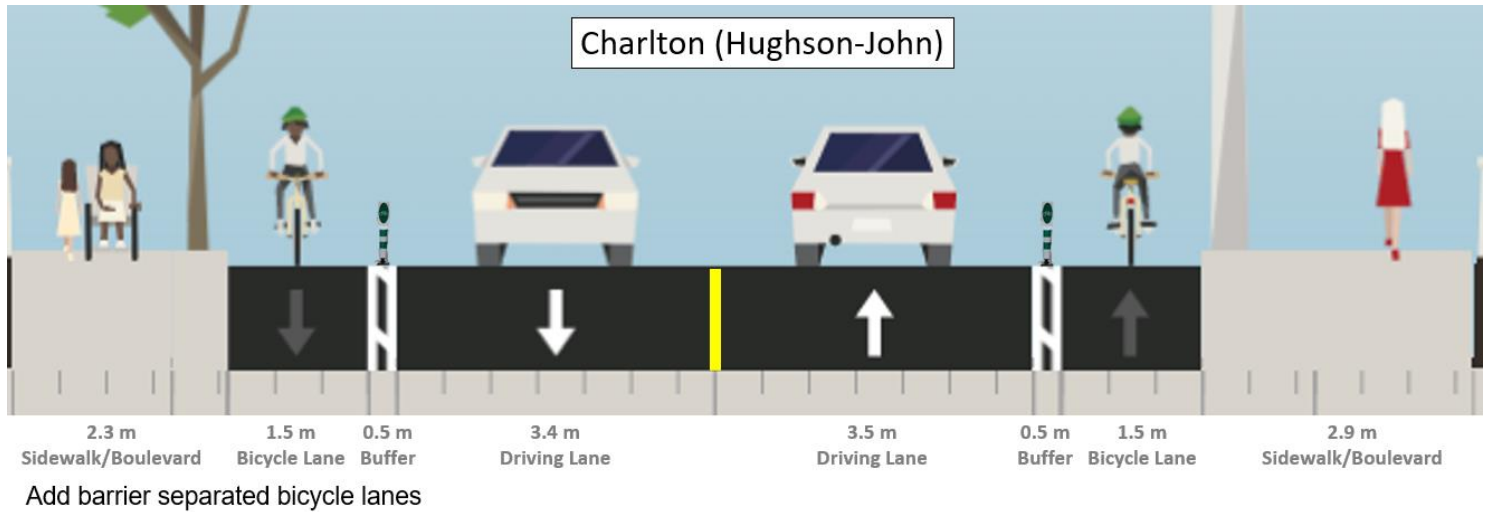
Detailed Maps



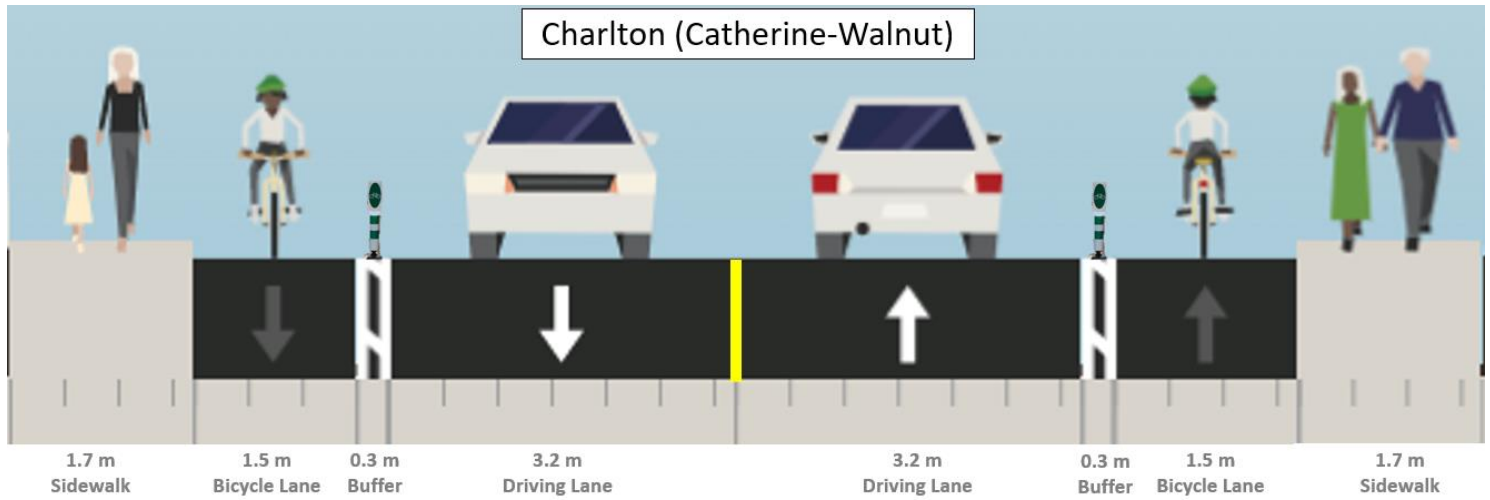
Cross Section Details



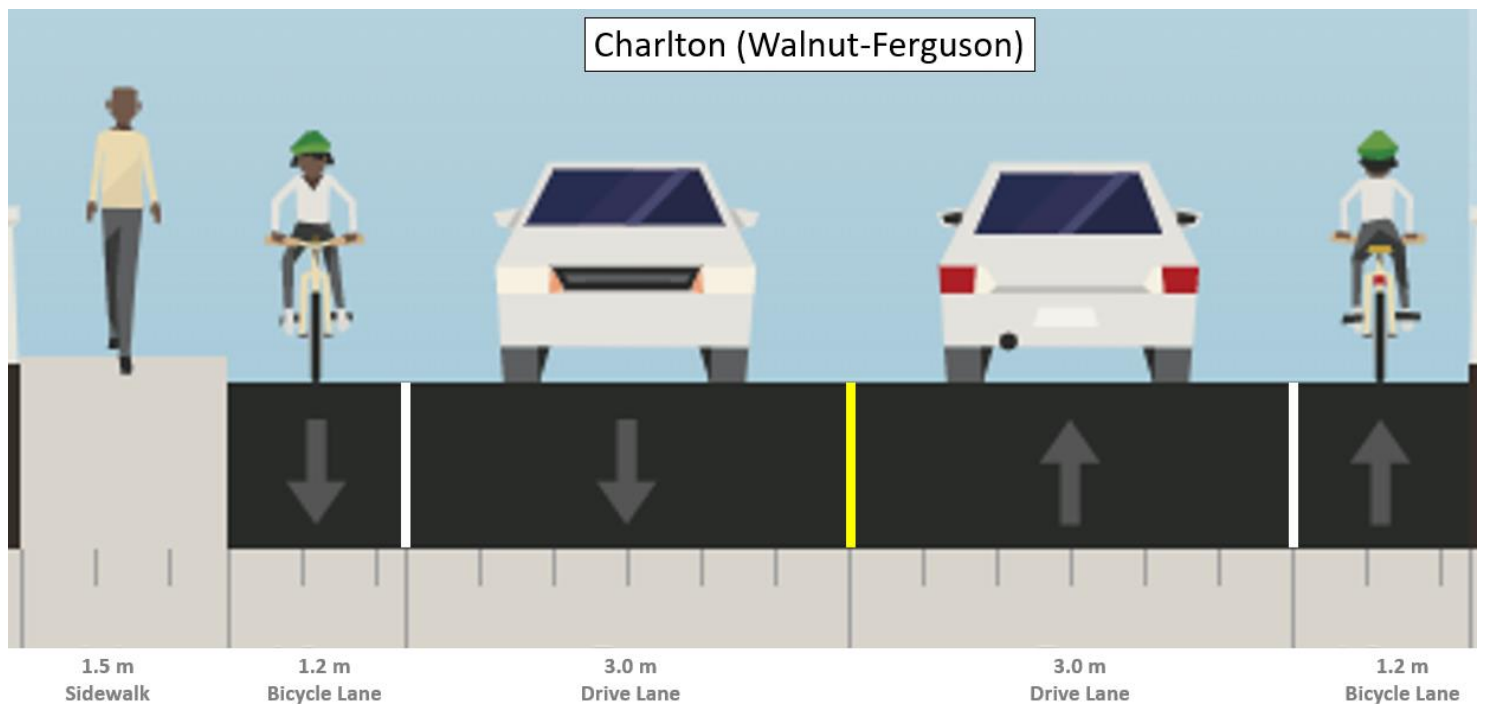
Cross Section Details



Cross Section Details



Add barrier separated bicycle lanes



Add painted bicycle lanes

Project Contacts

Project Feasibility and Outreach

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Project Design and Implementation

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