



Welcome

to Public Open House 2

Victoria Square Boulevard Class Environmental Assessment June 14, 2017









Purpose and Study Corridor

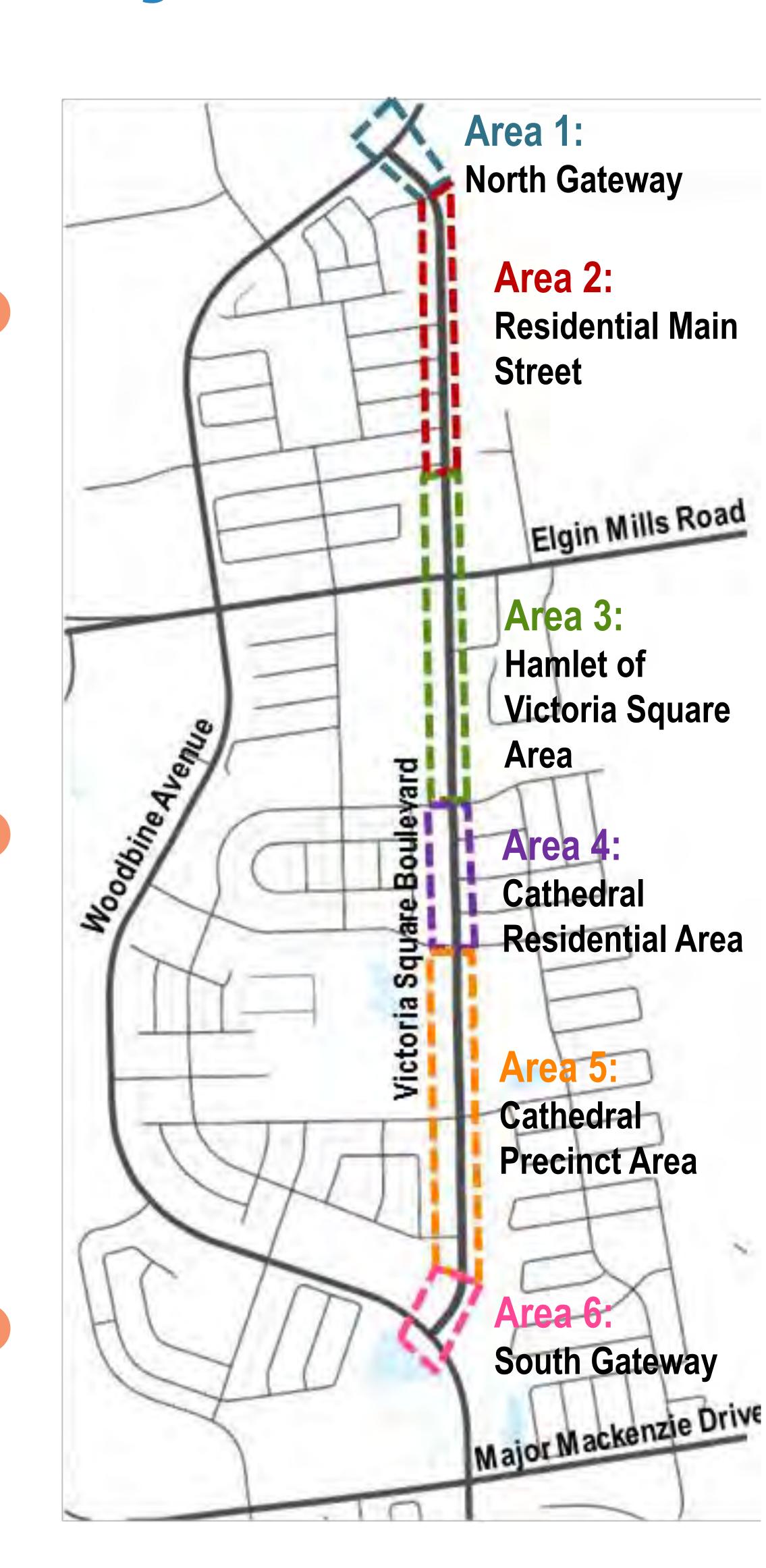
Study Progress since Open House 1

Share the evaluation of alternative designs

Obtain your ideas on the preferred design concept

Obtain your input and answer any questions you may have

Discuss next steps





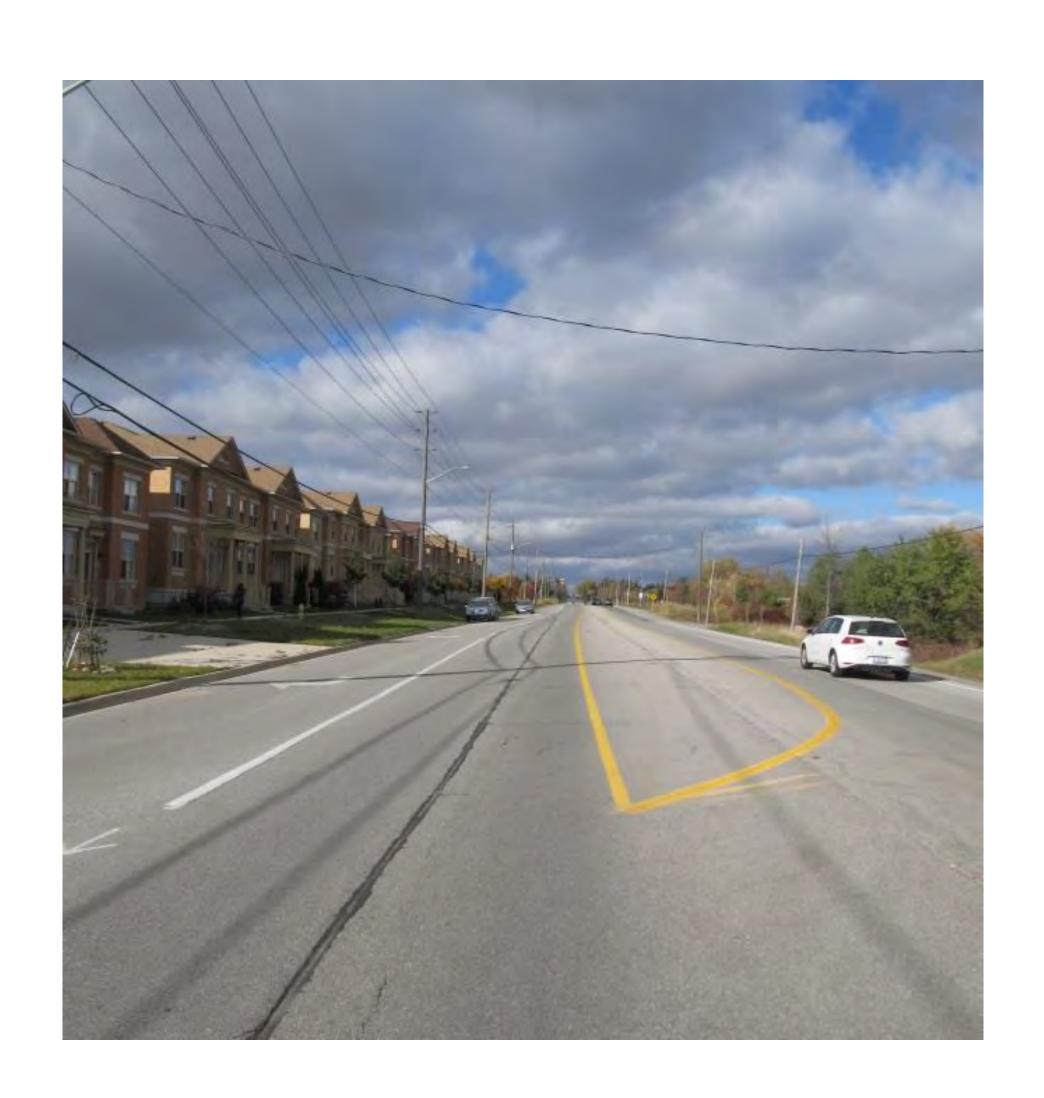




Study Process

What is an EA?

An Environmental Assessment (EA) is a planning and approval process for municipal infrastructure projects, following Ontario's *Environmental Assessment Act*.



PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5
EA Process				
Problem or Opportunity	Alternative Solutions	Alternative Design Concepts for Preferred Solution	Environmental Study Report	Implementation
Technical Work				
Document Existing Conditions Develop Problem and Opportunity Statement	Inventory Natural, Social, Economic Environment Identify and Evaluate Alternative Solutions Select Preferred Solution	Identify and Evaluate Design Concepts for Preferred Solution Identify Impacts and Mitigation Measures Select and Develop	Document EA process and findings in Environmental Study Report (ESR) Place ESR on Public Record for Review and Comment	Complete Contract Drawings and Tender Documents Construction and Operation Monitor for Environmental Provisions and
		Preferred Design		Commitments
		Public Consultation		
Notice of Study Commencement	Open House 1	Open House 2	Notice of Study Completion	









What we Heard at Open House 1



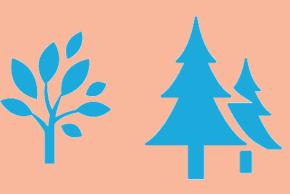


- Strongsupport forsidewalksalong thecorridor
- Strong
 support for dedicated
 cycling
 facilities





- Concerns about widening and traffic infiltration
- Support for intersection improvements
- Request for onstreet parking in front of townhouses



 Support for landscaping improvements





- Support for an urbanized roadway section
- Request for more street lighting along the corridor

Open House 1 by the numbers



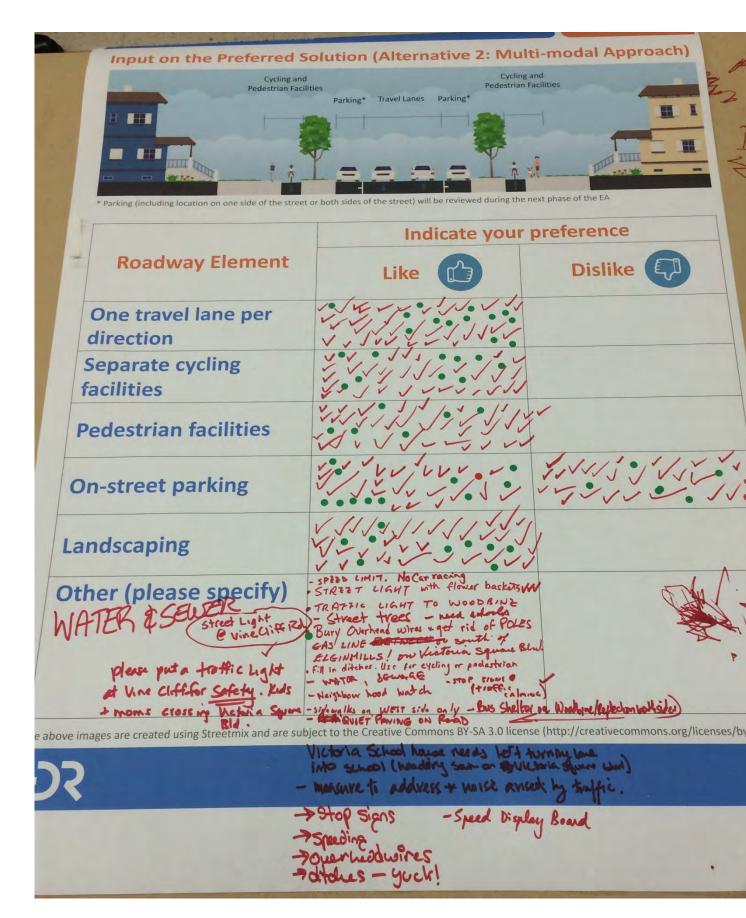
Held on June 13, 2016



116 Attendees



39 Comments Forms Received



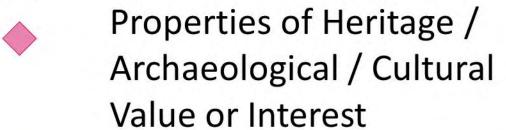








Key Destination





Existing Bus Stop

Existing Stop Sign

Existing Traffic Lights

Constrained Right-of-way

Future Road (Approved)

Future Streets (Under Study Review)

Study Area



Victoria Square United Church

Victoria Square United Church Cemetery

Sir Wilfred Laurier PS

Vine Cliff Park

Vine Cliff Park

Victoria Square Community Centre

Cathedraltown Mixed-use Precinct

Victoria Square Park

Cathedral Park

Carlton Creek Crossing

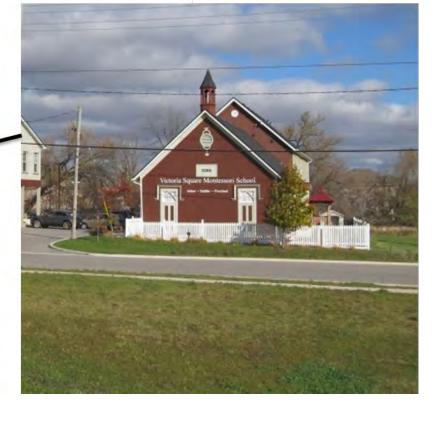


























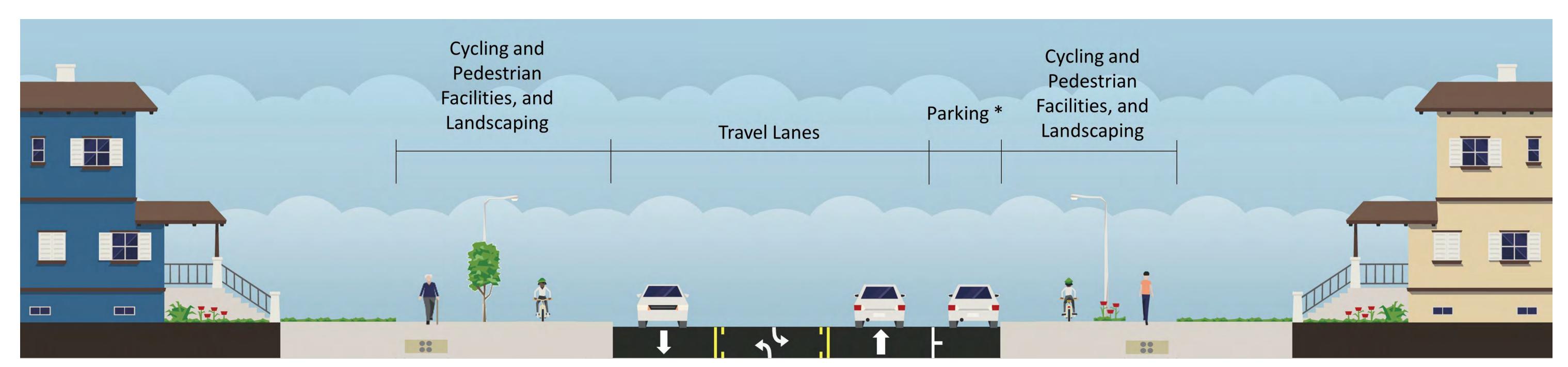
Preferred Alternative Solution from Phase 2

Multi-modal Approach

- Accommodate all road users
- Provision of continuous active transportation facilities
- Improved pedestrian environment
- On-street parking

- Intersection improvements
- Urbanization for improved drainage
- Additional landscaping opportunities
- Consideration for a continuous centre-left turn lane where feasible and warranted

Sample Cross-Section



^{*} Parking is considered only where justified, and location (including on one side of the street or both sides of the street) will vary by segment







Evaluation Criteria for Alternative Design Concepts



Socio-Economic

- Compatible with adjacent land use
- Improve access to adjacent areas
- Minimize impacts on existing properties
- Improve visual aesthetics and community character and accommodate green space for tree planting and landscaping
- Improve access to businesses and opportunities for commerce
- Preserve and enhance archaeological and cultural heritage features

Transportation









- Level of separation/protection for cyclists/pedestrians from other modes
- Minimize potential conflicts between modes
- Support planned transit improvements and operations
- Provide direct, continuous, and convenient connections to local and arterial roads
- Accommodate all ages, abilities, and types of users
- Ability to integrate proposed active transportation facilities into surrounding local network
- Improve traffic flow

Natural Environment

 Minimize impacts to vegetation, wildlife, aquatic habitat, surface/groundwater, and air quality

Infrastructure Design

- Minimize above ground utility relocation
- Minimize impacts to driveways
- Ability to implement within proposed right-of-way at constrained locations and intersections
- Stormwater management impacts due to amount of hard surface



Cost

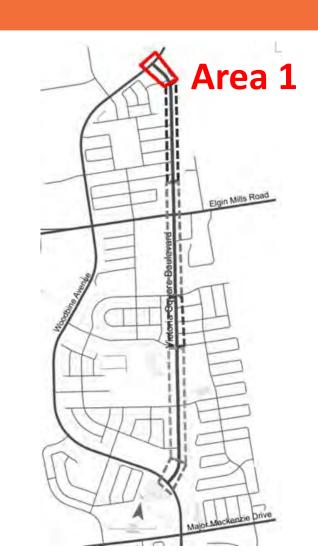
- Minimize capital costs
- Minimize operating and maintenance costs
- Minimize rehabilitation and replacement costs



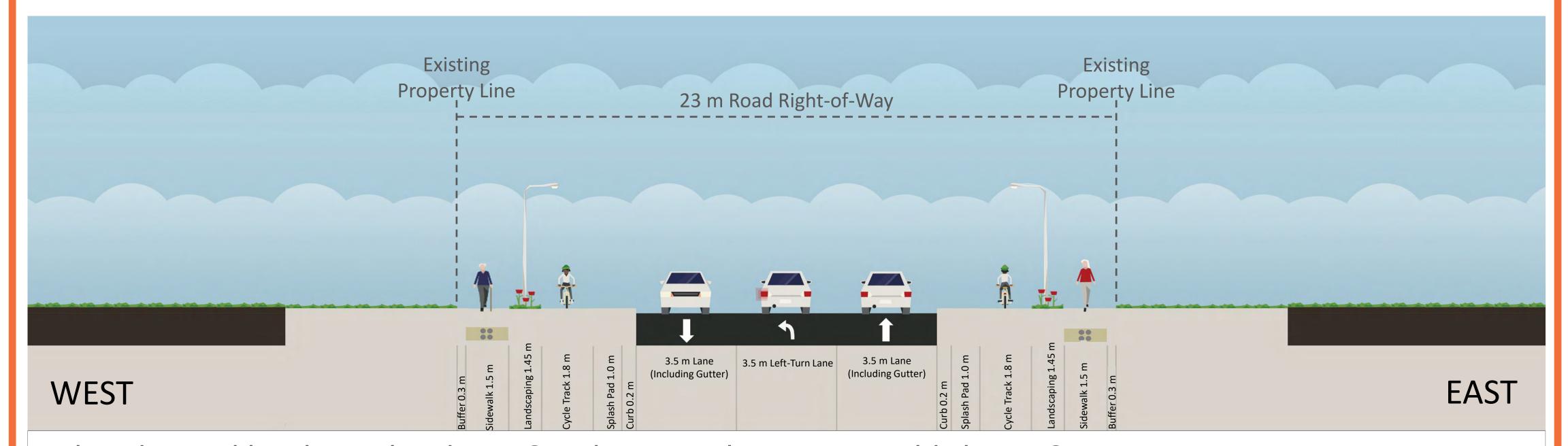




Area 1: North Gateway (N) Alternative Design Concepts



Alternative N1* – PREFERRED ALTERNATIVE



What do you like about this design? Is there anything you would change?

Note: Where constraints exist, the separate sidewalk and cycle track facilities may be combined into a single multi-use path facility. Details would vary by segment.

* Due to right-of-way constraints, northbound traffic demand, and the relatively short length of this segment, only one alternative that adequately accommodates pedestrians, cyclists, transit users and motorized vehicles was carried forward for the detailed evaluation for Area 1: North Gateway. Alternatives considering various cycling and pedestrian facilities, such as onroad bike lanes, were considered but screened out and are therefore not presented.







Area 1: North Gateway (N) Evaluation of Alternative Design Concepts

Legend Neets Minimum Oriteria Oriteria Ninimum Oriteria Ninimum Oriteria	Alternative N1
Socio-Economic Company of the second company	
Transportation	
Natural Environment	
Infrastructure Design	
Cost	
Summary	
Comments	 Improves access for all modes Accommodates cyclists and pedestrians on the east and west sides in facilities separate from vehicular traffic No impacts to driveways anticipated
Recommendation	



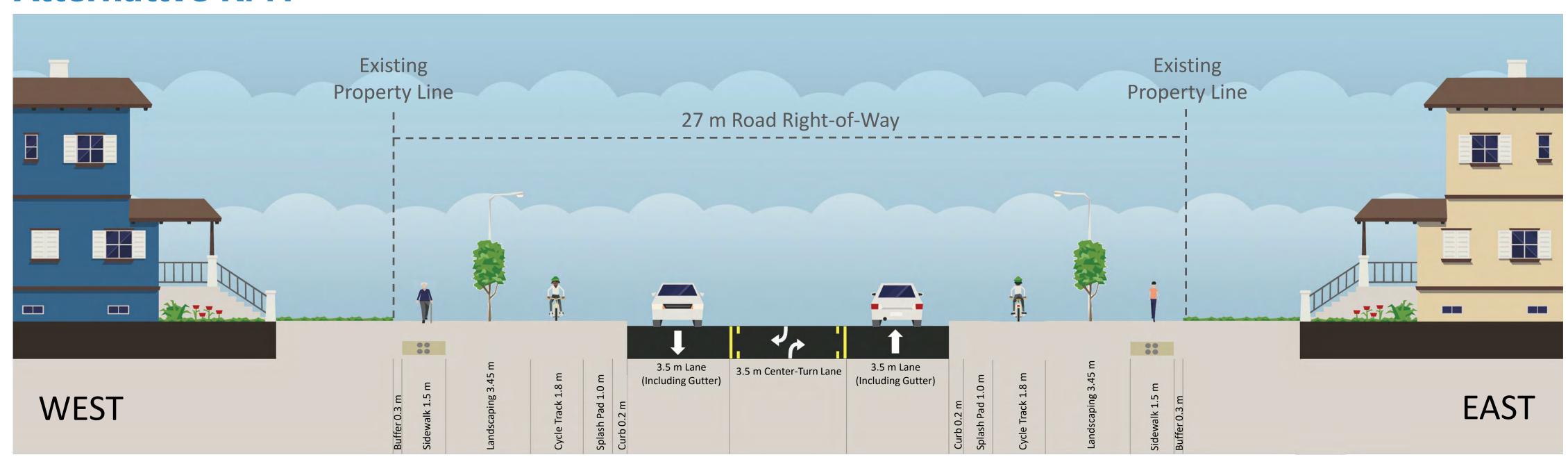




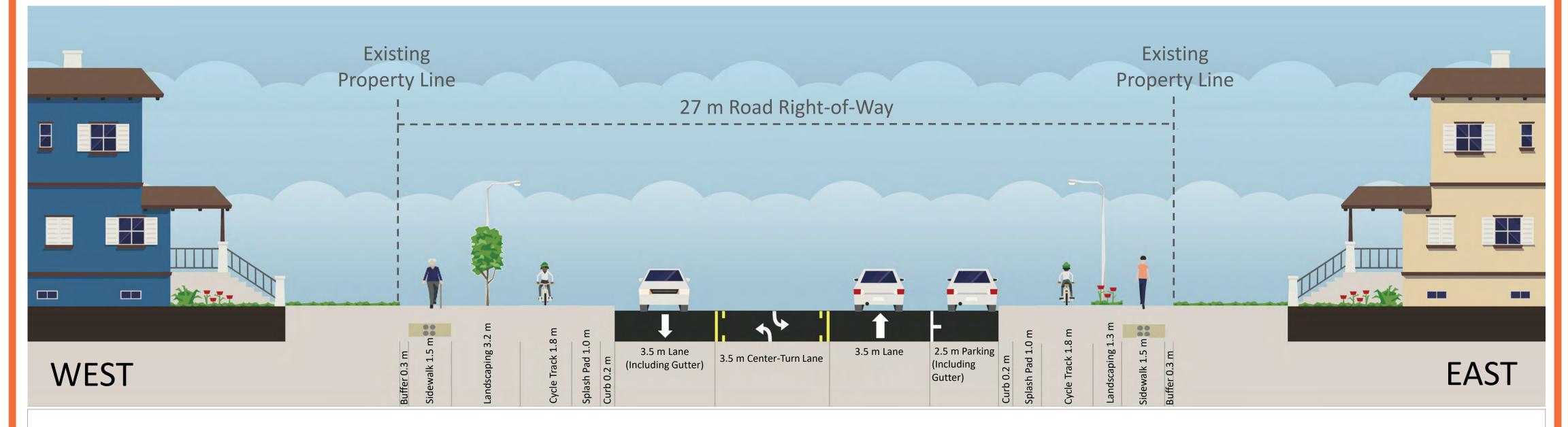
Area 2: Residential Main Street (RM) Alternative Design Concepts



Alternative RM1



Alternative RM2 – PREFERRED ALTERNATIVE



What do you like about this design? Is there anything you would change?

Note: Where constraints exist, the separate sidewalk and cycle track facilities may be combined into a single multi-use path facility. Details would vary by segment.







Area 2: Residential Main Street (RM) Evaluation of Alternative Design Concepts

Legend Preferred Less Preferred Not Preferred	Alternative RM1	Alternative RM2
Socio-Economic Cip		
Transportation		
Natural Environment		
Infrastructure Design		
Cost		
Summary		
Comments	 Does not accommodate on- street parking Accommodates a slightly wider landscape buffer on both sides of the road Lower capital cost 	 Accommodates on-street parking on the east side of the road Parking provides better access to residences and businesses Higher capital cost
Recommendation		



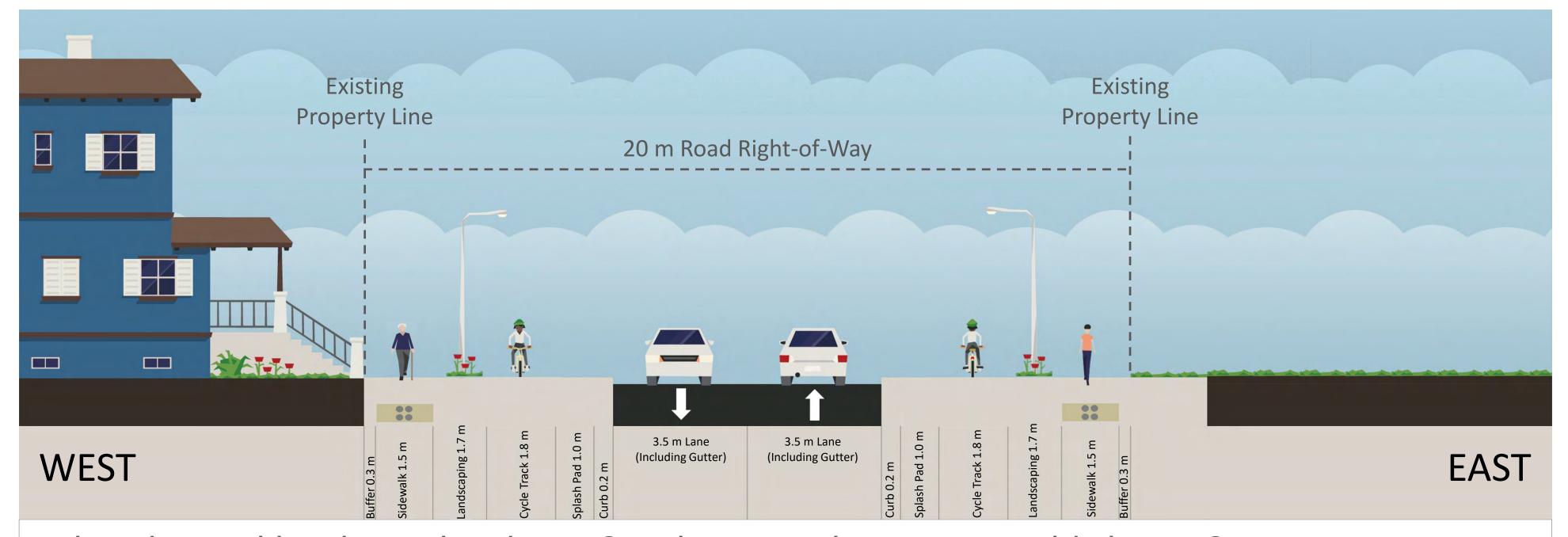




Area 3: Hamlet of Victoria Square Area (H) Alternative Design Concepts

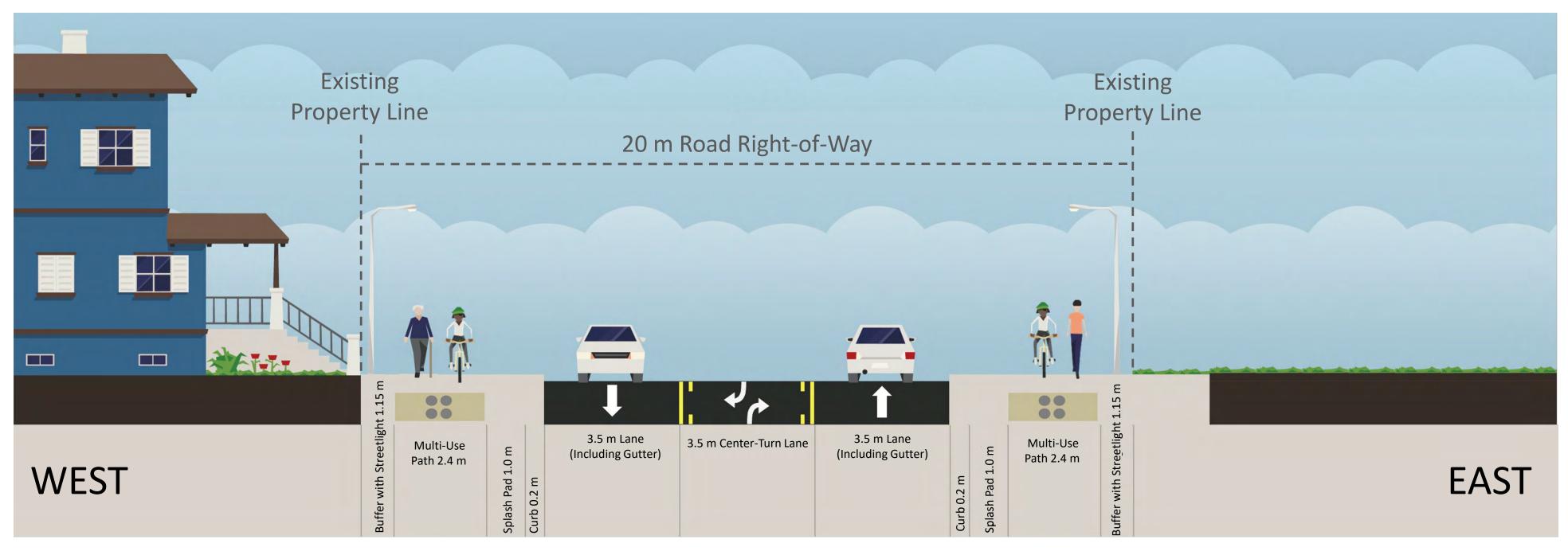


Alternative H1 – PREFERRED ALTERNATIVE



What do you like about this design? Is there anything you would change?

Alternative H2



Note: Where constraints exist, the separate sidewalk and cycle track facilities may be combined into a single multi-use path facility. Details would vary by segment.







Area 3: Hamlet of Victoria Square Area (H) Evaluation of Alternative Design Concepts

Legend Preferred Less Preferred Not Preferred	Alternative H1	Alternative H2	
Socio-Economic Cipi			
Transportation			
Natural Environment			
Infrastructure Design			
Cost			
Summary			
Comments	 Accommodates a landscape buffer on both sides of the road Accommodates cyclists and pedestrians in dedicated facilities, minimizing conflicts between transportation modes Lower capital cost 	 Does not accommodate a landscape buffer on either side of the road Accommodates cyclists and pedestrians in a combined facility, resulting in potential conflicts between transportation modes Higher capital cost 	
Recommendation			



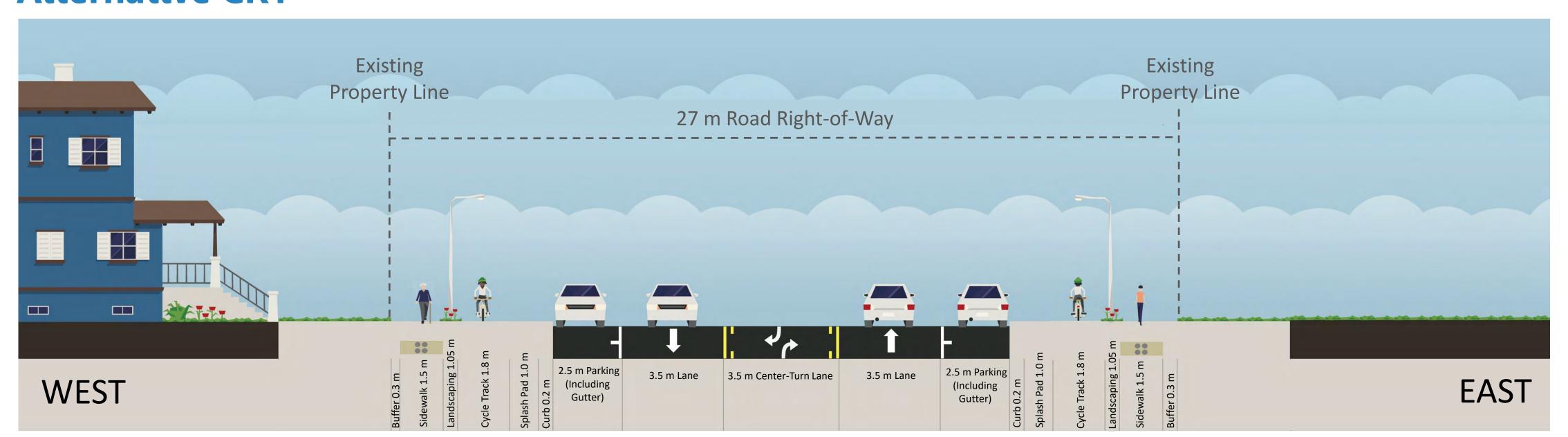




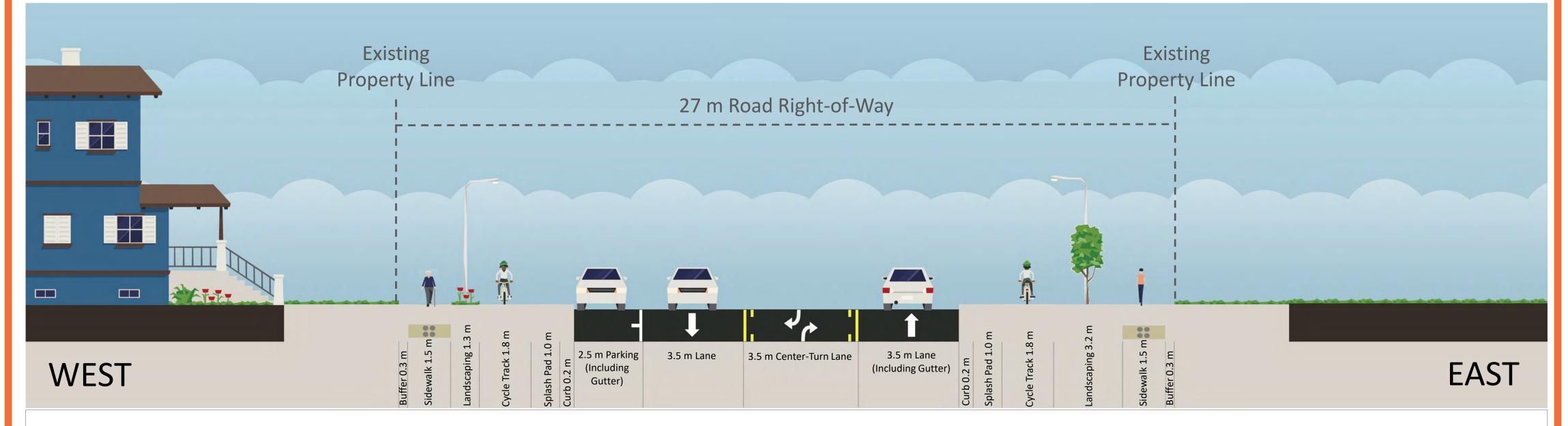
Area 4: Cathedral Residential Area (CR) Alternative Design Concepts



Alternative CR1



Alternative CR2 – PREFERRED ALTERNATIVE



What do you like about this design? Is there anything you would change?

Note: Where constraints exist, the separate sidewalk and cycle track facilities may be combined into a single multi-use path facility. Details would vary by segment.







Area 4: Cathedral Residential Area (CR) Evaluation of Alternative Design Concepts

Legend Preferred Less Preferred Not Preferred	Alternative CR1	Alternative CR2	
Socio-Economic Company			
Transportation			
Natural Environment			
Infrastructure Design			
Cost			
Summary			
Comments	 Accommodates a limited landscape buffer on both sides of the road Provides on-street parking on both sides of the street, although parking on the east side is not required to accommodate townhomes Higher capital cost 	 Accommodates an adequate landscape buffer on both sides of the road Provides on-street parking on the west side of the street to accommodate the townhomes that front onto Victoria Square Boulevard Lower capital cost 	
Recommendation			



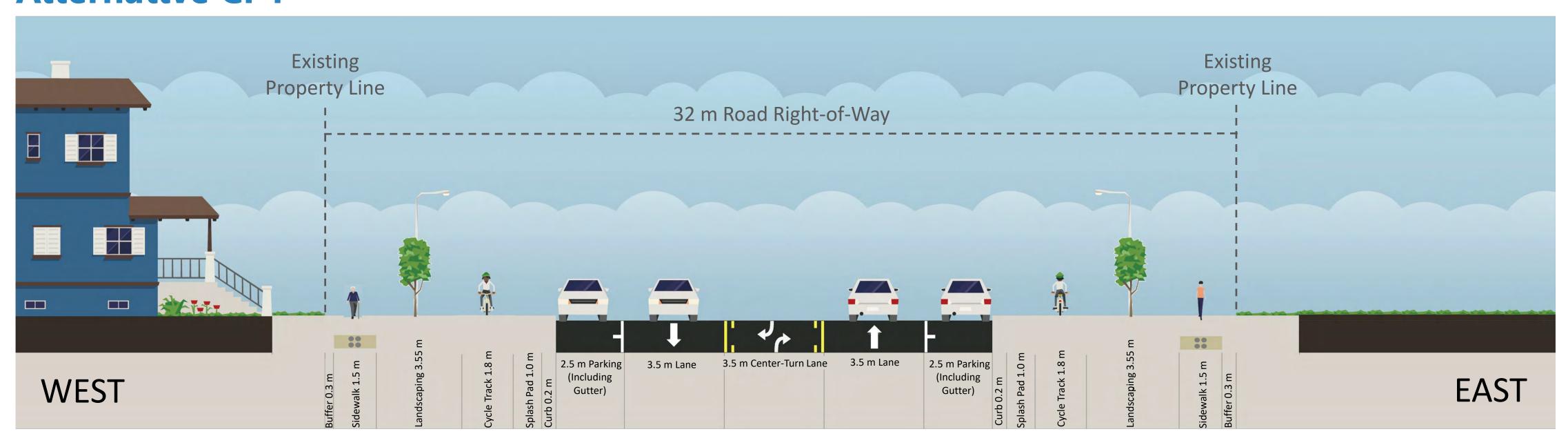




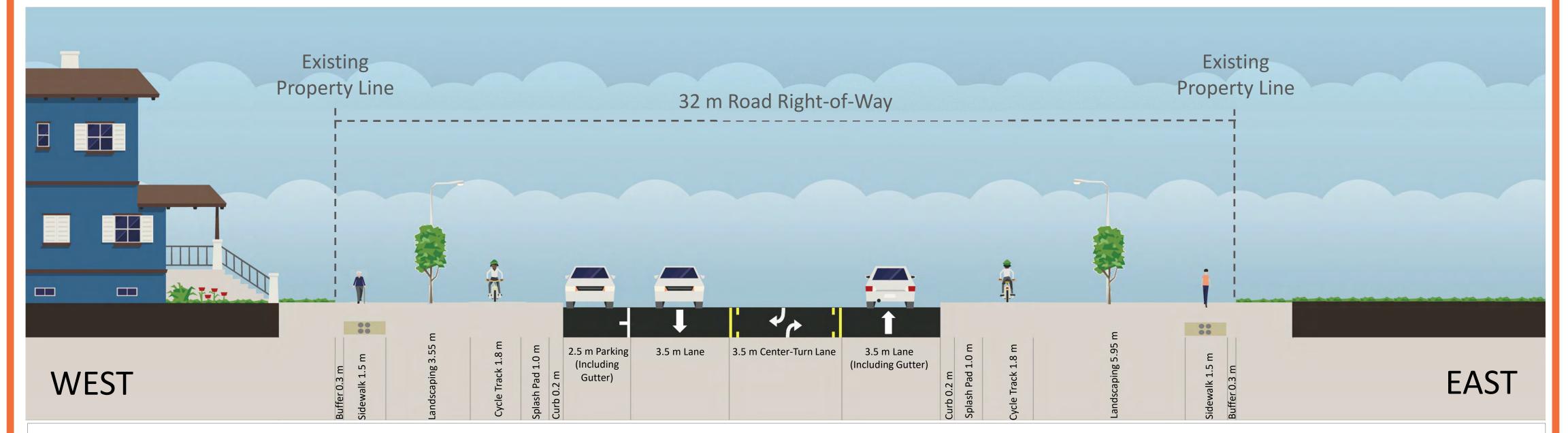
Area 5: Cathedral Precinct Area (CP) Alternative Design Concepts



Alternative CP1



Alternative CP2 – PREFERRED ALTERNATIVE



What do you like about this design? Is there anything you would change?

Note: Where constraints exist, the separate sidewalk and cycle track facilities may be combined into a single multi-use path facility. Details would vary by segment.







Area 5: Cathedral Precinct Area (CP) Evaluation of Alternative Design Concepts

Legend Preferred Less Preferred Not Preferred	Alternative CP1	Alternative CP2	
Socio-Economic Company			
Transportation			
Natural Environment			
Infrastructure Design			
Cost			
Summary			
Comments	 Accommodates an adequate landscape buffer on both sides of the road Provides on-street parking on both sides of the street, although parking on the east side is not required to accommodate townhomes More significant impacts to watercourse and floodplain Longer culvert will be required to accommodate a wider roadway platform Higher capital cost 	 Accommodates an adequate landscape buffer on both sides of the road Provides on-street parking on the west side of the street to accommodate the townhomes that front onto Victoria Square Boulevard Less significant impacts to watercourse and floodplain Shorter culvert will be required to accommodate a narrower roadway platform Lower capital cost 	
Recommendation			



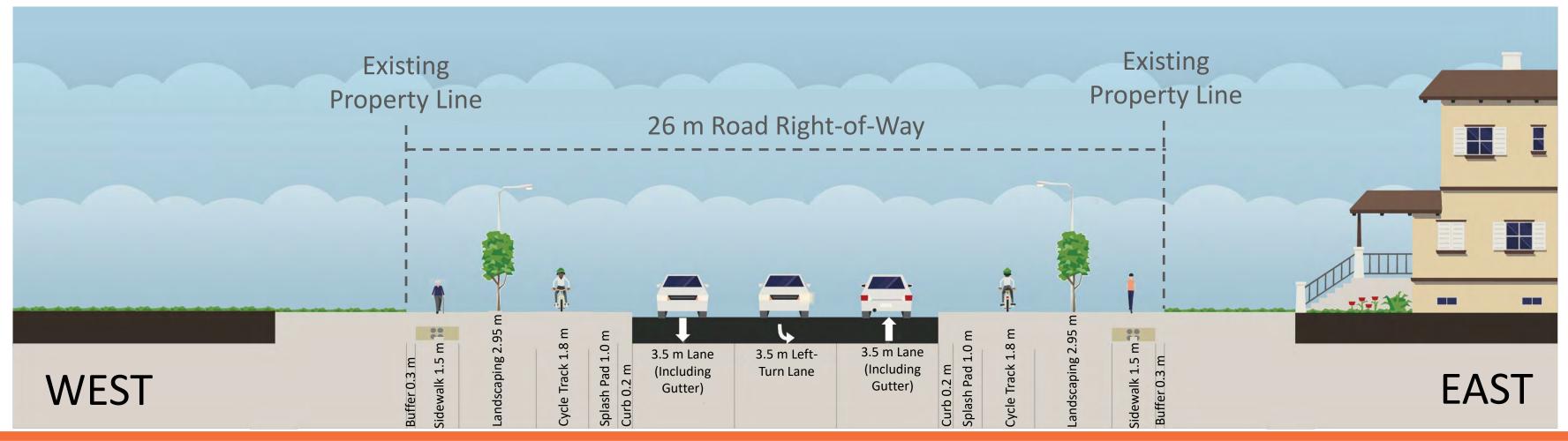




Area 6: South Gateway (S)

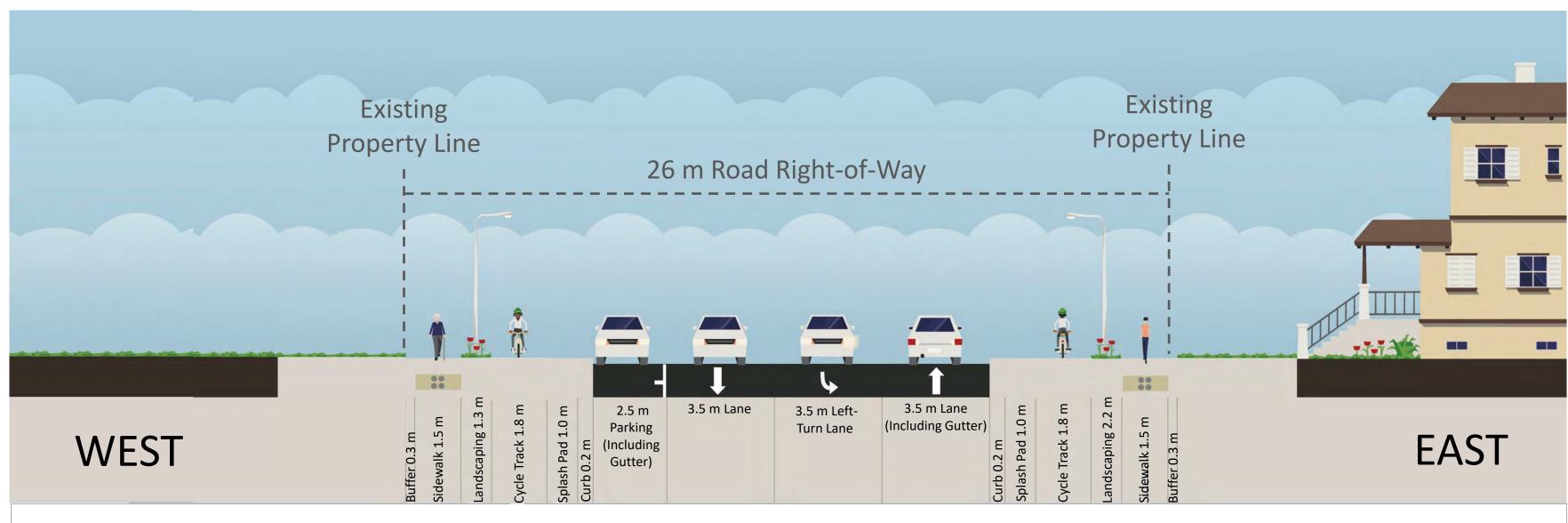
Alternative Design Concepts

Alternative S1





Alternative S2 - PREFERRED ALTERNATIVE



What do you like about this design? Is there anything you would change?

Alternative S3



Note: Where constraints exist, the separate sidewalk and cycle track facilities may be combined into a single multi-use path facility. Details would vary by segment.







Area 6: South Gateway (S) Evaluation of Alternative Design Concepts

Legend Preferred Less Preferred Not Preferred	Alternative S1	Alternative S2	Alternative S3
Socio-Economic Company			
Transportation			
Natural Environment			
Infrastructure Design			
Cost			
Summary			
Comments	 Provides adequate landscape buffer that accommodates utilities Does not provide on-street parking Lowest capital cost 	 Provides adequate landscape buffer that accommodates utilities Provides on-street parking Higher capital cost 	 Does not accommodate utilities in narrow landscape buffer Does not provide on-street parking Higher capital cost
Recommendation			







Preferred Design Concept: Typical Cross-Sections

(Refer to Preliminary Design Roll Plan for details at specific locations and transition between areas)

> Existing **Property Line**

Area 1:

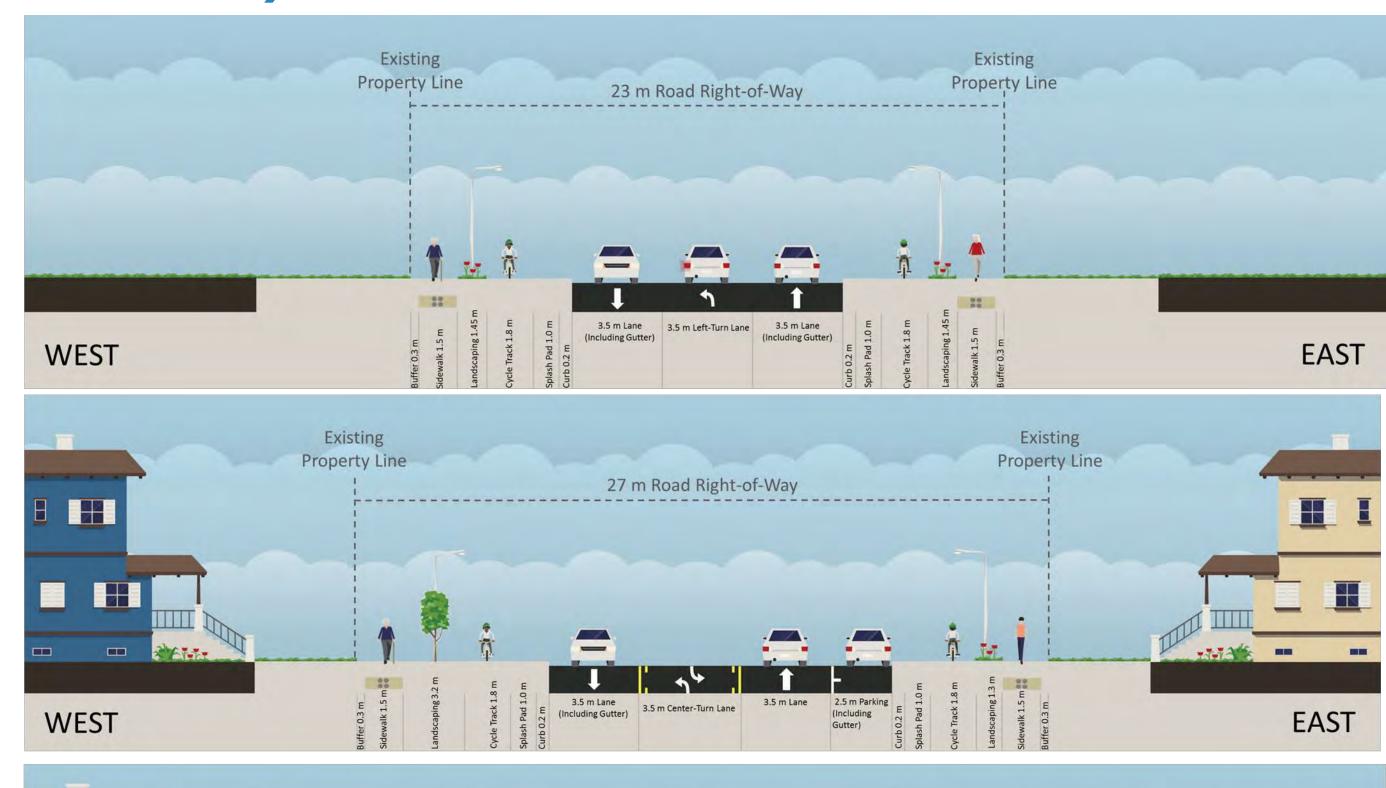
Area 2:

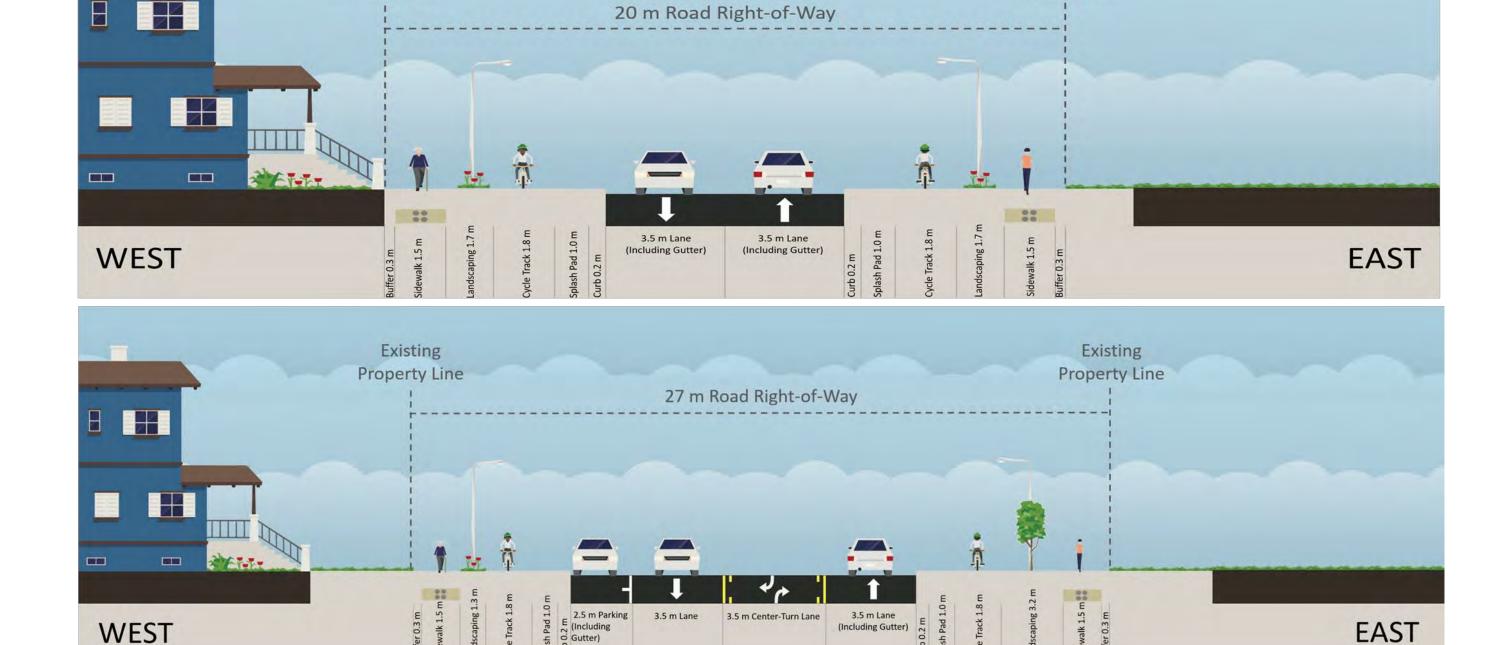
Area 3:

Area 4:

Area 5:

Area 6:





20 m Road Right-of-Way

Existing

Property Line





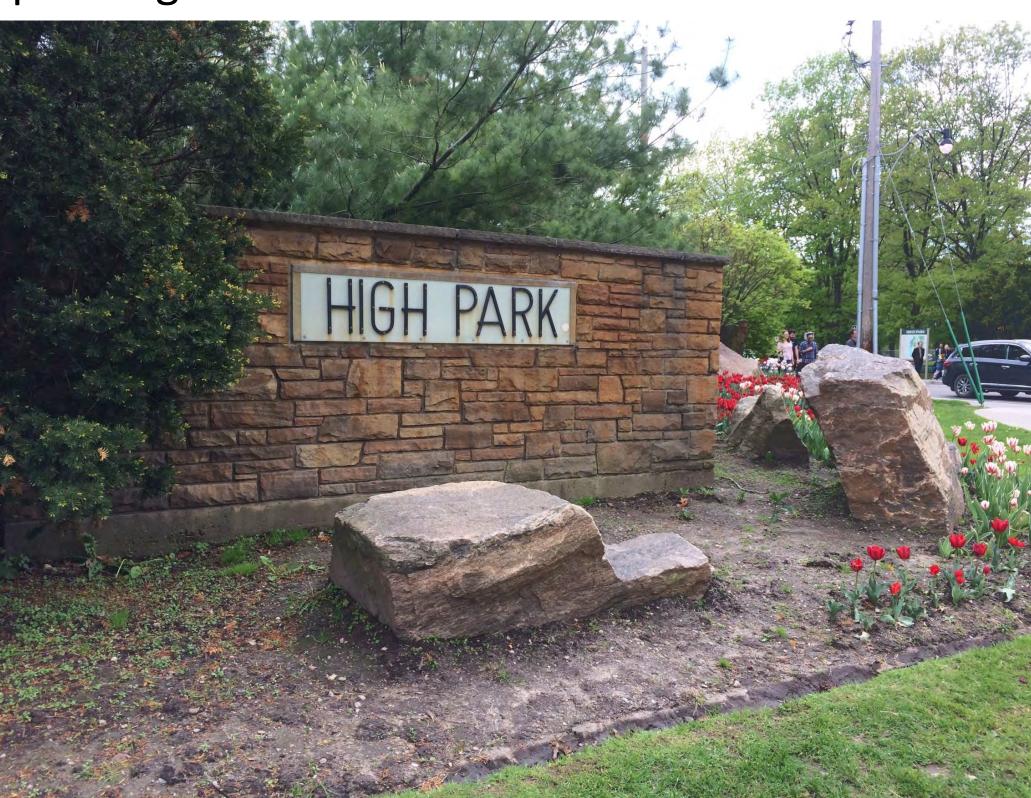






Gateway Features

Sample of a stone wall gateway feature with plantings:



What do you like about this design? Is there anything you would change?



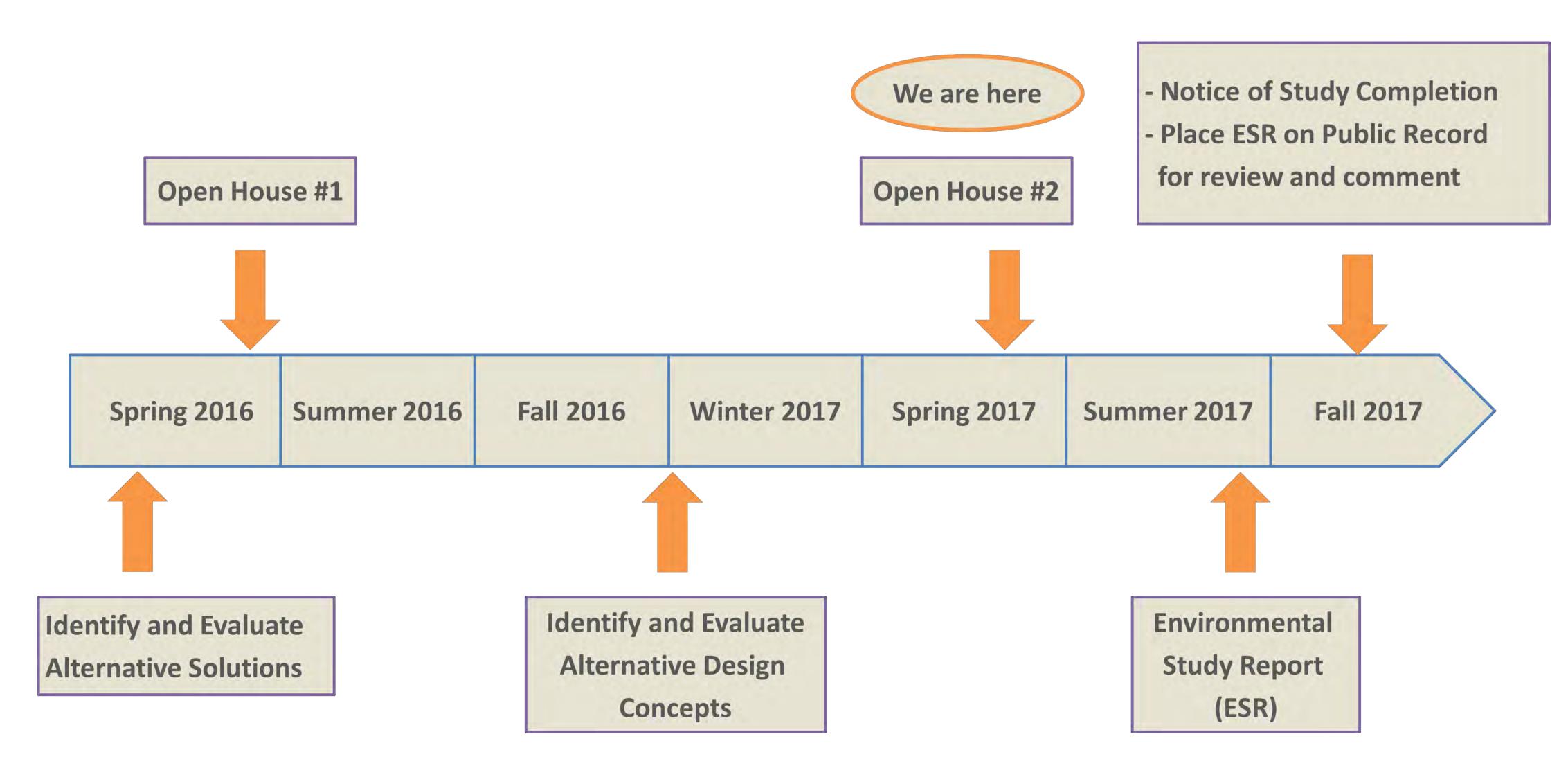








Schedule and Next Steps











Thank you

Your input is very valuable to us!



Please fill out the feedback form and return it to us today

OR

Send us your comments within 2 weeks, by June 28, 2017

For More Information

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