

Alameda County Technical Advisory Committee

AC Transit Multimodal Corridor Guidelines



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Agenda

- Background
- Goals
- Vision
- Examples
- Overview of Typologies
- Discussion

Background



2014 - AC Transit awarded SR2T grant

2016 - Stantec & Toole Design Group contracted to support development of guideline

2017 - (Summer/Fall) TAC Meetings, Guide development
(Winter) Final adoption

Goals



1. Achieve **internal buy-in** from AC Transit staff
2. Achieve **external buy-in** from city staff and funding agencies
3. Create an **actionable** document that will streamline interagency coordination and design review process

Vision



Compelling **narrative** for improving transit



Clear, attractive **illustrations**



Planning-level **cost estimates**

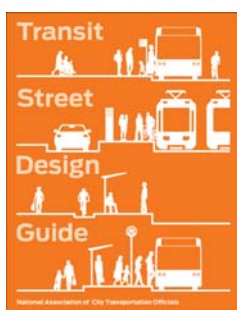


Simple project **checklists** for developers and city staff



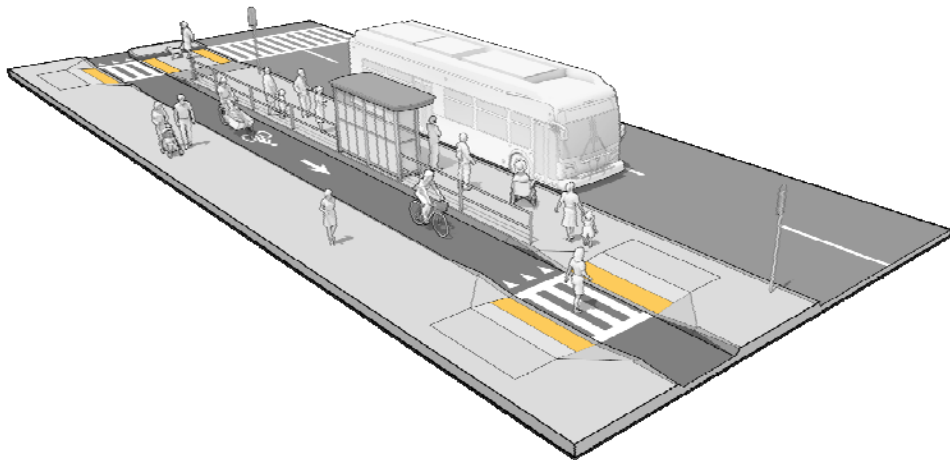
Sample **policy language** that can be adopted

Examples



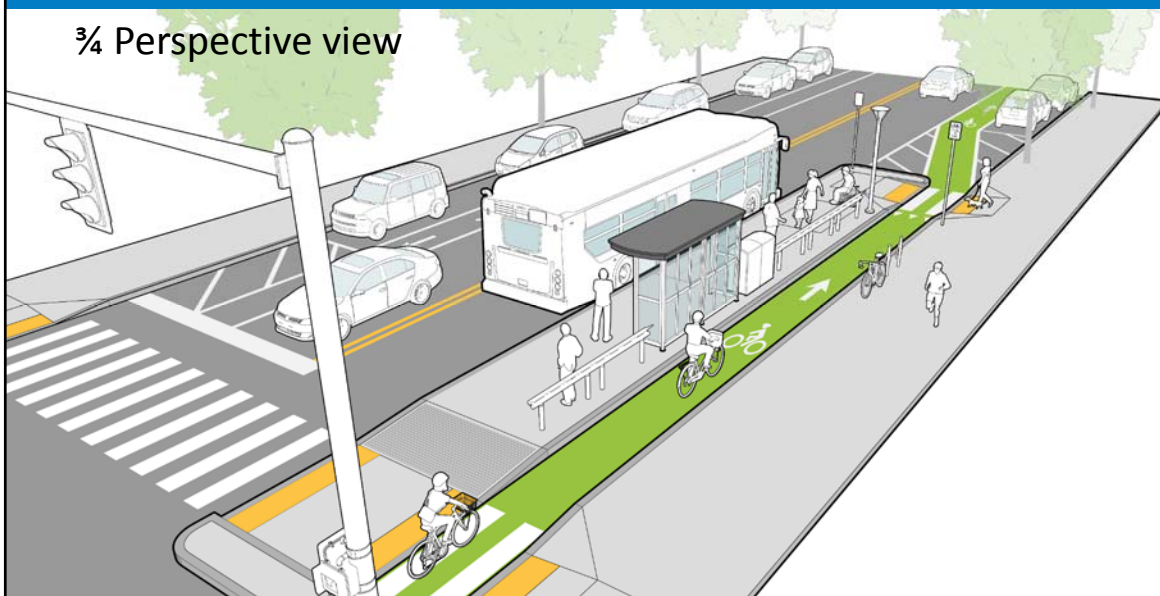
Examples

Clear, attractive illustrations to communicate concepts
Identifying key elements and arrangement



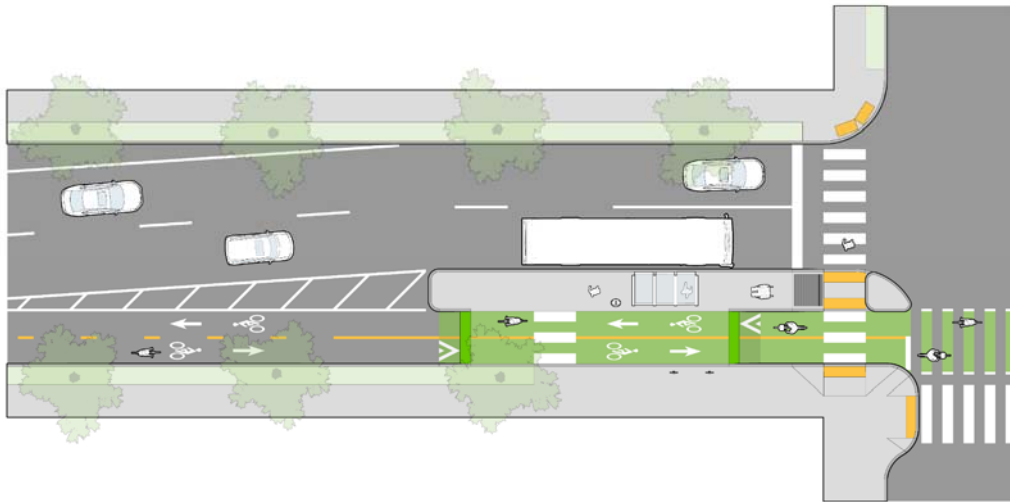
Examples

$\frac{3}{4}$ Perspective view



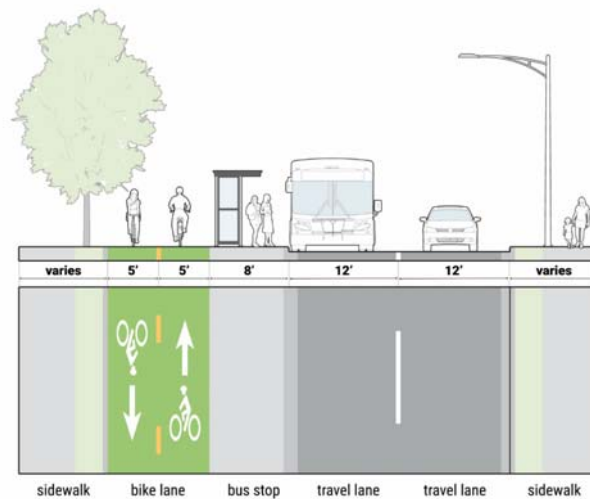
Examples

Plan view



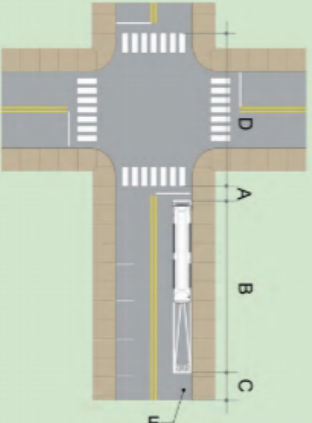
Examples

Cross-section view



Examples

Context sensitive minimum and preferred dimensions

| Stop Configuration | Roadway Characteristic | Minimum Safety Buffer | Primary Bus Zone Length | Additional Deceleration Space | Additional Acceleration Space | Equiv. Parking Spaces |
|---|---|--|---|-------------------------------|--------------------------------------|--|
|  <p>Curbside/shoulder stop (near side)</p> | Urban street with on-street parking; typical posted speeds 25-30 mph; Bus enters stop area at 10 mph | 10 ft. (3.0m) safety buffer behind crosswalk | 100 ft. (30.5m) l x 10 ft. (3.0m) w in parking lane; add 20 ft. (6.1m) for articulated bus* | No additional space required | N/A: Uses intersection to accelerate | Up to 5 spaces needed to create bus zone |
| | Minor road with no on-street parking; typical posted speeds 25-35 mph; Bus enters stop area at 15 mph | 10 ft. (3.0m) safety buffer behind crosswalk | 100 ft. (30.5m) l x 10 ft. (3.0m) w in shoulder; add 20 ft. (6.1m) for articulated bus* | 50 ft. (15.2 m) transition | N/A: Uses intersection to accelerate | None; road shoulder is used |
| | Major road with no on-street parking; typical posted speeds 35-45 mph; Bus enters stop area at 20 mph | 10 ft. (3.0m) safety buffer behind crosswalk | 100 ft. (30.5m) l x 11 ft. (3.4 m) w in shoulder; add 20 ft. (6.1m) for articulated bus* | 100 ft. (30.5 m) transition | N/A: Uses intersection to accelerate | None; road shoulder is used |

Typologies

Bike Lanes (Class II)

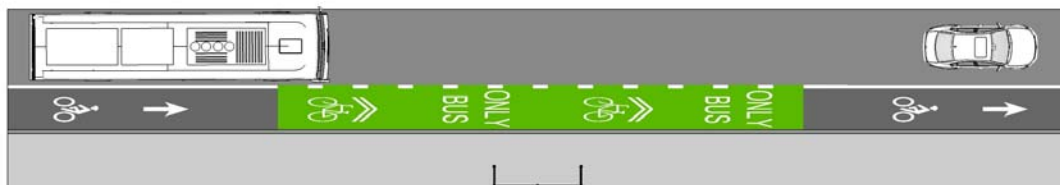
1. Adjacent to Curb
2. Between Parking Lane and Travel Lane

Separated Bike Lanes (Class IV)

3. Between Curb and Travel Lane
4. Between Curb and Parking Lane
5. Two-Way Facility Between Curb and Parking



Typology 1: Draft Bike Lane Adjacent to curb



Typology 1: Bike lane Adjacent to curb

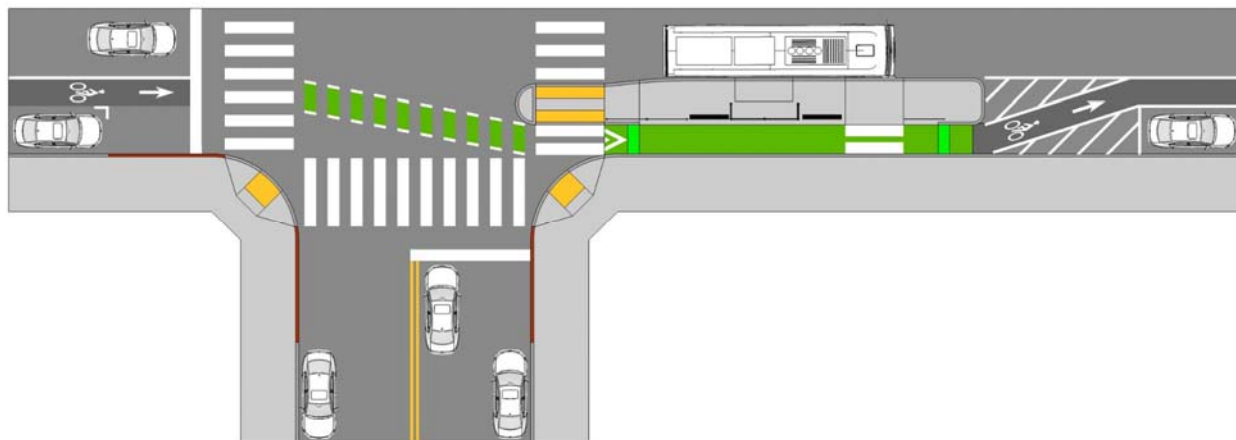
Current Standard



Potential?



Typology 2: Draft Bike Lane Adjacent to parking



Typology 2: Bike Lane Adjacent to parking

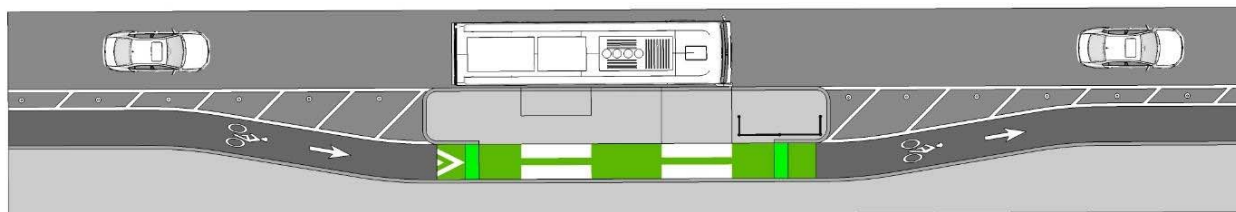


Seattle

Typology 2: Bike Lane Adjacent to parking



Typology 3: Draft Separated Bike Lane Between curb & travel lane



Typology 3: Separated Bike Lane Between curb & travel lane



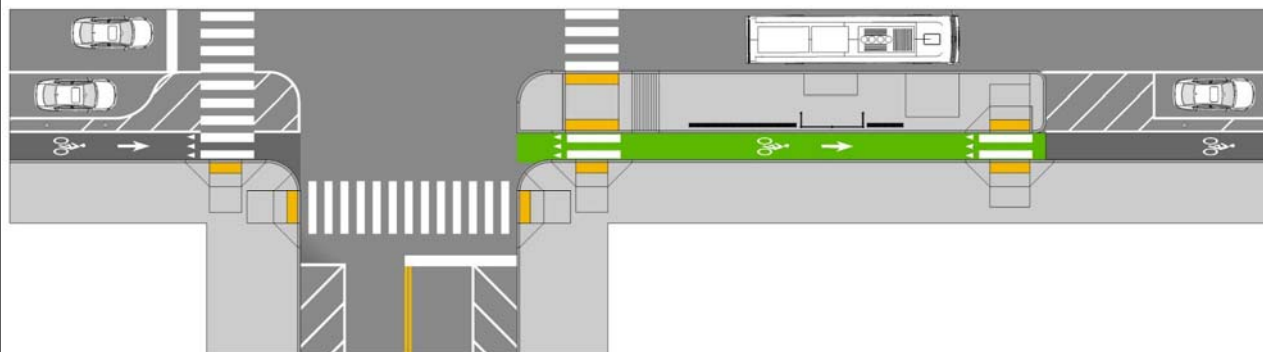
Typology 3: Separated Bike Lane Between curb & travel lane



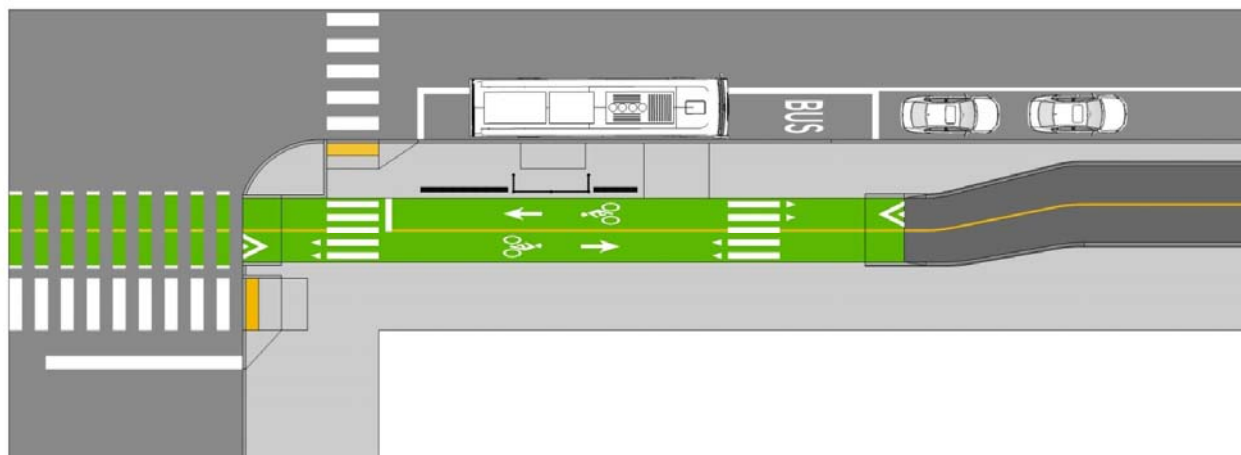
Typology 3: Separated Bike Lane Between curb & travel lane



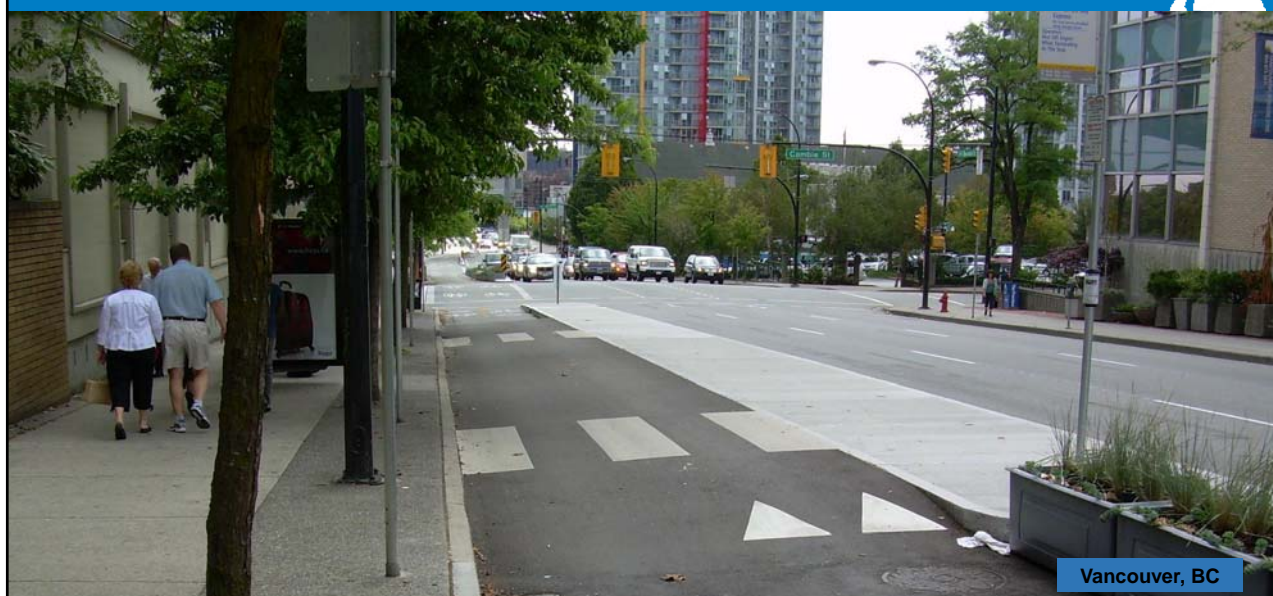
Typology 4: Draft Separated Bike Lane Between curb and on-street parking



Typology 5: Draft Two-Way Separated Bike Lane Between curb and on-street parking



Typology 5: Two-Way Separated Bike Lane Between curb and on-street parking



Vancouver, BC

Typology 5: Two-Way Separated Bike Lane Between curb and on-street parking



Typology 5: Two-Way Separated Bike Lane Between curb and on-street parking



Next Steps

First TAC meeting in Late Spring 2017

Outreach to local agencies in Spring/Early Summer 2017

Draft Guide Summer/Fall 2017



Discussion

- Clarifying questions or comments?
- How could this document help you?
- What are we missing?
 - Scenarios...
 - Policies/procedures...
 - Key stakeholders...