

## Delta HUB – 2018 Cycling Priorities: City of Delta

### TOP NETWORK “GAPS”

**1. Location:** River Road West, Ladner (46A St to Brunswick Point)

**Why?** Popular **recreational** route between Ladner Village and Wellington Point (City of Delta park), Westham Island and Brunswick Point. Significant **tourism** potential to destinations including Reiffel Bird Sanctuary and the Tsawwassen Ferry Terminal. Route to Westham Island Bridge is compromised by:

- High mix of local and industrial vehicular activity.
- Narrow width of roadway, crumbling edges in several spots, and blind spots due to S-curve turns.
- Major interruptions to the dike top path due to private ownership, mix of residential and business uses, and a gate between village and 46A St.

**Priority:** Repave/widen River Road West. In consultation with area stakeholders, add a 2-directional multi-use path in the available northern right-of-way west of Ladner Reach properties.



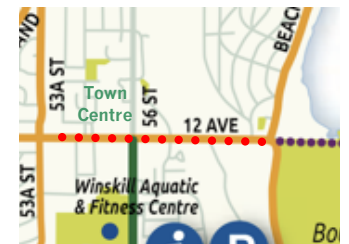
**2. Location:** 12 Ave (between 56 St and 53A St), Tsawwassen

**Why?** Create an east-west “spine” in Tsawwassen along 12 Ave for **recreational** and **community** cycling (Beach Grove Rd to English Bluff). Help fulfill the 12 Ave “Main Street” vision of the Tsawwassen Area Plan, while supporting South Delta Business Sustainability Strategy. 12 Ave is currently characterized by:

- on-road shared cycling facilities from Beach Grove Rd to 56 St, and from 53A St to English Bluff Rd (sufficient width for bike lanes)
- narrowing of roadway in the Town Centre area, between 56 and 53A St.
- forthcoming intersection improvements at 12 Ave and 56 St (in conjunction with development of Southlands project)
- anticipated changes to Tsawwassen Town Centre Mall (in conjunction with plans being developed by Century Group).

**Priority:** Widen 12 Ave between 56 St and 53A St and introduce safe cycling features at the intersection of 56 St and 12 Ave. Ideas include:

- painted east-west bike lanes (56 to 53A St)
- green bike box on NE corner of 12 Ave/56 (where NB vehicles merge)
- destination signage to indicate Town Centre/Centennial Beach

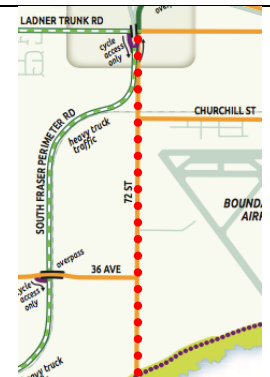


**3. Location:** 72nd St, East Ladner (Boundary Bay to SFPR exit/Ladner Trunk)

**Why?** 72 is a significant **recreational** and **commuter** route used to access Boundary Bay Airport area, Hwy 17, and/or Burns Drive. Connection to Boundary Bay dike/Trans Canada Trail and airport represents potential **tourism** opportunity. Route is currently compromised by:

- High traffic area (agricultural and industrial area)
- Narrow roadway due to widened irrigation channel (east side of 72)
- poor road conditions south of Churchill St; path along eastern edge.

**Priority:** Add a multi-use path along the right-of-way along the eastern side of 72 from Boundary Bay dike to Churchill St; cross over to the western side of 72 and continue the path along the MoTI right of way from Churchill to Ladner Trunk.



**4. Location:** 28 Ave, Tsawwassen (56 St to 52 St)

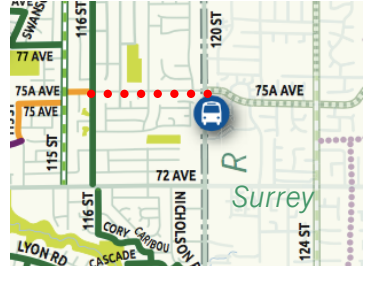



**Why?** 28 Ave is a key emerging network connection for **recreational**, **tourist** and **commuter** cyclists traveling between 64 St, the Boundary Bay dike trail and TFN/Tsawwassen Ferry Terminal; it is also connected to the new bike lanes along Arthur Drive. The route is presently disrupted by a narrow, potholed section from 56 St to 52 St, which includes:

- Narrow roadway with minimal (no) shoulder in places
- Very busy with vehicle traffic between Tsawwassen and Ladner/Deltaport.
- Poor lighting (farm road)

**Priority:** Widen 28 Ave from 56 to 52 St; add bike lanes in both directions.



## Delta HUB – 2018 Cycling Priorities: City of Delta

<p><b>5. Location:</b> 75A Ave, North Delta</p> <p><b>Why?</b> North Delta lacks east-west routes on less busy roadways for <b>recreational</b> and <b>community</b> cycling. 75A is currently compromised by:</p> <ul style="list-style-type: none"> <li>- Disrupted regional connection to newly completed bike lanes on 75A in Surrey (which connects to 122 St and the Serpentine Greenway)</li> <li>- Disrupted east-west bike facilities on 75A in Delta (stops at 116 St, leaving a gap between 116 and Scott Rd)</li> <li>- Proposed 35-story high-rise at 75A/Scott Rd (will add major car traffic).</li> </ul> <p><b>Priority:</b> Add east-west bike facilities along 75A Ave to connect to new Surrey bike lanes on east side of Scott Rd.</p>	
<p><b>6. Location:</b> 56 St (between 6 Ave and 9 Ave)</p> <p><b>Why?</b> Complete a <b>recreational</b> and <b>community</b> cycling connection between Centennial Beach and the Tsawwassen Town Centre by converting an existing sidewalk along the eastern side of 56 St (6 Ave to 9 Ave) into a multi-use path (MUP). Plans for the area currently envision:</p> <ul style="list-style-type: none"> <li>- a future MUP through Southlands – from Boundary Bay Rd/Centennial Beach to 56 St – and along the western edge of 56 St north to 6 Ave</li> <li>- a future MUP through the Winskill Park – along the western edge of the redeveloped site, parallel to 56 St - which can connect to the Tsawwassen Town Centre via 55 St.</li> </ul> <p><b>Priority:</b> Create an off-road MUP along the east side of 56 St by repurposing one of the two existing parallel sidewalks at Forest by the Bay:</p> <ul style="list-style-type: none"> <li>- at southern end, connect path to future Southlands MUP at 6 Ave.</li> <li>- at northern end, connect path to marked crossing at 9 Ave.</li> </ul>	
<p><b>7. Location:</b> Imperial Village Right-of-Way Trail, Tsawwassen</p> <p><b>Why?</b> Formalize and enhance access to this flat trail connection (between 18 Ave &amp; 52 St) to facilitate <b>recreational</b> and <b>tourist</b> cycling between Boundary Bay dike, Tsawwassen, TFN and BC Ferry Terminal. Informal trail is currently characterized by:</p> <ul style="list-style-type: none"> <li>- improved access through private property (Century Group) at eastern end, accessed by marked path off of 18 Ave</li> <li>- volunteer-maintained gravel path (owned by City of Delta)</li> <li>- paved BC Hydro easement (Spyglass to 52 St)</li> <li>- future connection to MUP at Tsawwassen Springs (via Spyglass)</li> <li>- future route for Trans Canada Trail to Tsawwassen Ferry terminal</li> </ul> <p><b>Priority:</b> Delta to work with Century Group and BC Hydro to secure a contiguous and easily accessible trail for a range of cyclists.</p> <ul style="list-style-type: none"> <li>- Include in longer-term plans to connect Boundary Bay dike/Trans Canada Trail to Tsawwassen Ferry terminal via Tsawwassen Springs and TFN developments on south side of Hwy 17.</li> </ul>	
<p><b>8. Location:</b> River Rd from Deas Island (Millennium Trail) to Hopcott Rd</p> <p><b>Why?</b> Network connection for <b>recreational</b> and <b>commuter</b> cycling is presently disrupted between the terminus of the Millennium Trail and Hopcott Rd/Tilbury Rd. Section of River Rd East is characterized by:</p> <ul style="list-style-type: none"> <li>- High industrial traffic (*though improved since Hwy 17/SFPR)</li> <li>- Commuter route for cyclists travelling to Tilbury Industrial Park, or traveling between North Delta and South Delta.</li> <li>- Cycling facilities (bike lane) on south side of River Rd only; circuitous detour via Hopcott/Tilbury Rd due to width of roadway.</li> </ul> <p><b>Priority:</b> Add cycling lane to River Rd between 60 St and Hopcott Rd to ensure safe and direct travel corridor for area cyclists; connect with Millennium Trail, Deas Island Regional Park, 64 St and Mainroad bike shuttle with destination signage.</p>	

## Delta HUB – 2018 Cycling Priorities: City of Delta

### ROADWAY ENHANCEMENTS

#### → Caution Paint

**Priority:** Introduce (green) caution paint to raise awareness at key conflict points where cyclists are most vulnerable. Caution paint is being used throughout the Lower Mainland (including Surrey and Richmond), and drivers are becoming very familiar.

- Implementation is recommended at locations such as:
  - Complex intersection of 12 Ave, Boundary Bay Rd and Beach Grove Rd (entrance to Boundary Bay Regional Park/parking area)
  - Southeast corner of 52 St and Hwy 17, ahead of merge lane where EB vehicles turn right onto Hwy 17 towards Ladner/Massey Tunnel.



#### → Wayfinding (Signage)

**Priority:** Incorporate new destination signage at strategic Delta locations to raise awareness about the bike network and alternatives, including:

- Intersection of Arthur Drive and 44 Ave (*pictured, below right*)
  - To Ladner Village shops and services (northbound via Arthur Drive)
  - To Trenant Park Square shops (eastbound via Maple Lane, 53 St)
  - To Westham Island and Brunswick Point (westbound via 45 Ave)
- Terminus of Boundary Bay dike trail at 17 Ave in Tsawwassen
  - To Tsawwassen Town Centre (south/west via Beach Grove Rd/12 Ave)
  - To Tsawwassen Ferry Terminal (west via 17/18 Ave)
  - To Centennial Beach (south via Beach Grove Rd)
  - To Ladner (north/east via Boundary Bay dike/64 St/34B Ave)
- Intersection of River Rd East and Centre St, North Delta
  - To 72 St (south via North Delta greenway)
  - To Boundary Bay Dike trail (south via Surrey/North Delta greenway)
  - To Centennial Beach (south via Beach Grove Rd)



### CITIZEN ENGAGEMENT

#### → Establish an “Active Transportation Advisory Committee” (City of Delta)

**Priority:** Form new citizen advisory committee for active transportation; Most municipalities in Lower Mainland have similar committees for citizen input.

- Committee would provide advice and feedback to Mayor, Council, and municipal staff on infrastructure, programs and planning relating to cycling, walking, transit, scooters, and other forms of non-vehicular transportation.



### COLLABORATION

#### → Cyclists/Pedestrian Overpasses

**Priority:** To promote **tourism** and **recreational** cycling, the City of Delta should work with local/regional stakeholders and governments to effect safe and efficient cyclist/ pedestrian overpasses between:

- Brunswick Point and the TFN Breakwater  
(\*with Port of Vancouver, Government of Canada, BC Rail, TFN, DFI, TrailsBC)
- 52 St/Hwy 17 and Tsawwassen Mills/Tsawwassen Commons.
- (\*with TFN, BC Ministry of Transportation and Infrastructure, TrailsBC)



#### → Regional Trail Connection (Boundary Bay Dike to BC Ferries)



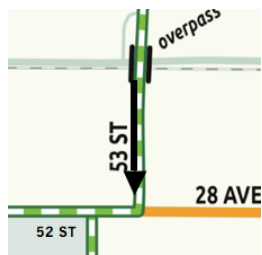

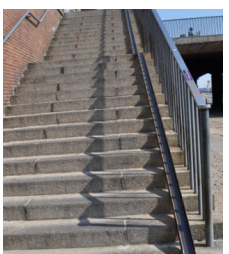
**Priority:** To establish a shared trail system for **tourism** and **recreational** cycling from the Boundary Bay dike trail to the Tsawwassen Ferry Terminal.

(\*City of Delta with Metro Vancouver, Trans Canada Trail, MoTi, DFI).

- Most trail connection are existing or planned (i.e. Tsawwassen Springs, TFN)
- Trail requires destination signage and coordination to ensure that the range of users understand where to go, and the priority given to farm vehicles.
- Trail improvements – including AAA surfacing or more compacted gravel – could expand its utility as a travel corridor, particularly in key sections such as between 64 St to 17A Ave in Tsawwassen.



## Delta HUB – 2018 Cycling Priorities: City of Delta

STATUS: PAST PRIORITIES (*from 2017 Priority List)	
<p><b>2. Location:</b> 53 A St at 16 Ave, Tsawwassen</p> <ul style="list-style-type: none"> <li>- Intersection unsafe for vulnerable users</li> <li>- Significant vehicular traffic to/from 16 Ave.</li> <li>- On a Delta bike route (53A St), which provides safer alternative to 56 St/52 St</li> </ul> <p><b>Status:</b> Delta HUB submitted recommendations to City of Delta for 53A Street road improvements (July 2017). Review/implementation of changes by City of Delta pending completion of Metro Vancouver’s Water/Sewer Repairs along 52 St.</p>	
<p><b>6. Location:</b> Elliott Street, Ladner Village (between River Rd and Chisholm St)</p> <ul style="list-style-type: none"> <li>- Dangerous, re-occurring bulge in road on Elliott Street between River Rd and Chisholm Street.</li> </ul> <p><b>Status:</b> Temporary fixes made by Delta to repair roadway (asphalt patches). Timing of any longer-term fix to be confirmed with City of Delta.</p>	
<p><b>8. Location:</b> 53 St (Arthur Drive) from Deltaport Way overpass to 28 Ave.</p> <ul style="list-style-type: none"> <li>- Shoulder on south descent are too narrow</li> <li>- Ditches on right hand side add to risk</li> <li>- Situated along Delta cycle route</li> </ul> <p><b>Status:</b> City of Delta will be widening shoulder in conjunction (and continuing the bike lanes) in conjunction with ongoing Neighbourhood Road Improvements Program along Arthur Drive/53 St. Timing of proposed improvements to be confirmed with City of Delta.</p>	
<p><b>14. Location:</b> Westham Island Bridge (*TransLink project)</p> <ul style="list-style-type: none"> <li>- Existing condition of bridge is dangerous for cyclists as a result of cracks and slippery conditions; cycling accidents have happened as a result.</li> <li>- Wooden “patches” have been used to cover cracks or gaps between planks, creating an obstacle for pedestrians and cyclists.</li> <li>- Grip strips along edges of bridge once provided helpful traction (against slippery conditions) and mitigated some gaps.</li> </ul> <p><b>Status:</b> TransLink is presently conducting repairs on the bridge. An amount has been included in 2018 budget for requested repairs to planks/grip strip.</p>	
<p><b>18. Location:</b> Pedestrian bridge over Hwy 17A (behind Ladner Leisure Centre)</p> <ul style="list-style-type: none"> <li>- Metal track to assist cyclists push their bikes over steep stairs is unusable.</li> <li>- The track is too right-justified, and forces user to tilt bike at &gt; 45-degree angle.</li> <li>- This bridge connects users to recreation facilities, schools and the bus loop.</li> </ul> <p><b>Status:</b> City of Delta is currently making adaptations to the cycle track along stairs for safer and more convenient use by cyclists. Track on one side will be placed on the stairs, further away from the railings; the second track will be removed to facilitate use by pedestrians.</p>	
<p><b>20. Location:</b> Hwy 10 – Ladner Trunk Road (John Oliver Park and 104 St)</p> <p>Frequently used corridor for cycling clubs and commuter cyclists:</p> <ul style="list-style-type: none"> <li>- Generally poor road conditions from Scott Road/Watershed Park area</li> <li>- Some temporary fixes have been made to smooth uneven blacktop.</li> </ul> <p><b>Status:</b> Delta HUB understands that repaving of this section of Hwy 10 will be undertaken by the City of Delta in 2018 (timing to be confirmed).</p>	