

# East-West Cycling Corridor – design query

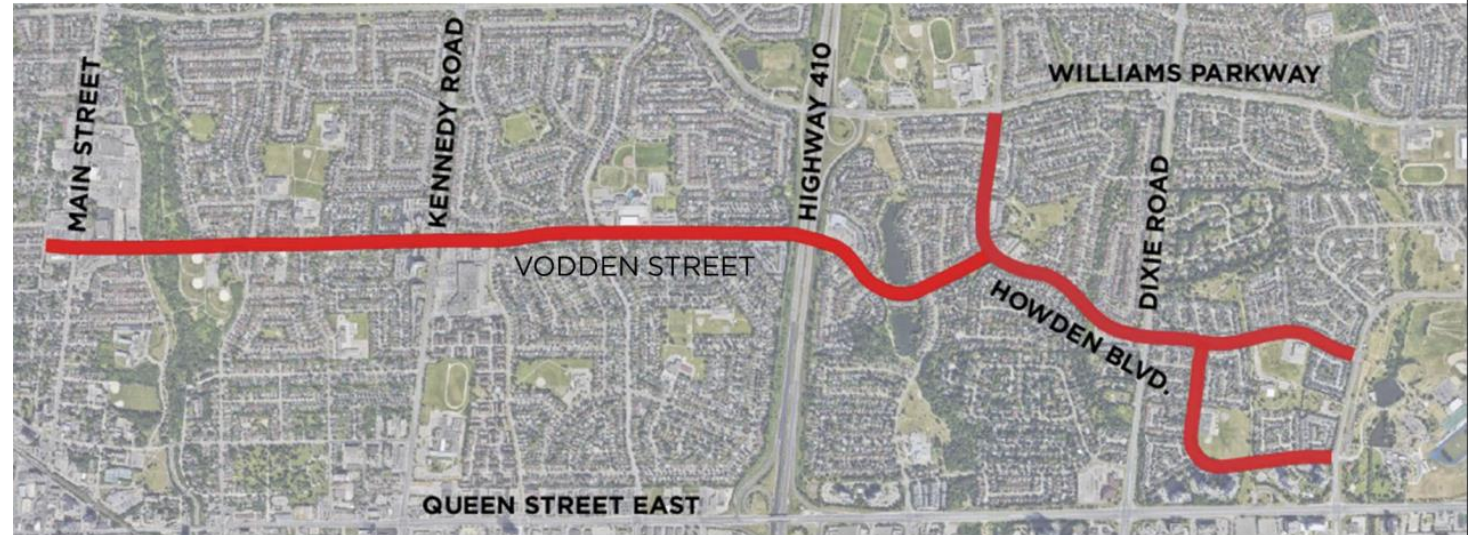
Delegation ATAC, April 8, 2024



## East-West Cycling Corridor

- “Big Ask” presented to Council 2019
- Signature part of ATMP 2020

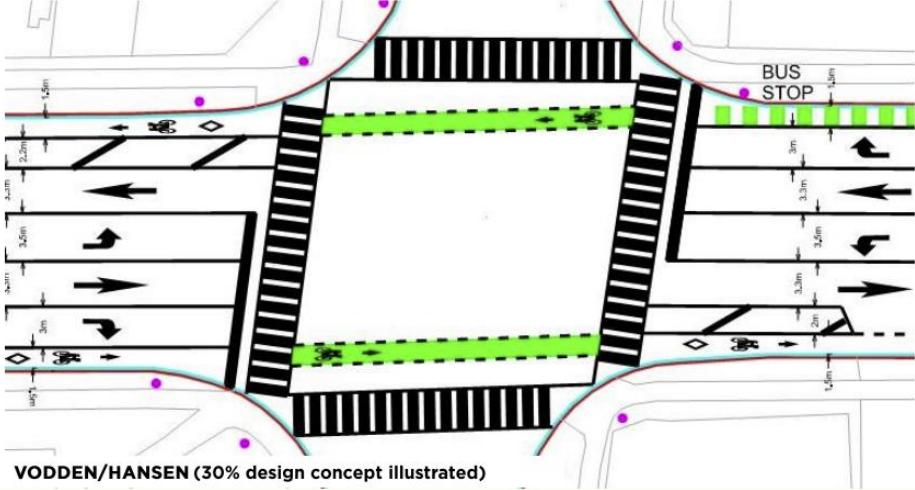
### EAST-WEST CORRIDOR



# Intersection Treatments (Hansen, Rutherford)

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## DESIGN CONSIDERATIONS INTERSECTION TREATMENTS



**DESIGN HIGHLIGHTS**  
(Vodden/Hansen)

- Solid green surface treatment
- Dashed guide lines
- Offset buffer to accommodate bus stop treatment
- Introduction of new right-turn lanes

VODDEN/HANSEN (30% design concept illustrated)

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WSP Consultant, 2020

# Design Considerations

## DESIGN CONSIDERATIONS

### REDUCE MOTOR VEHICLE SPEEDS

- Design a traffic-calmed east-west corridor
- Reduce the width of vehicle travel lanes compared to lane widths that exist today
- High vehicle speeds has been a concern for local residents

### IMPLEMENT A ROAD-DIET

- Due to excess capacity on Vodden Street, Hanover Road, and a segment of Howden Boulevard, remove 1 vehicle travel lane per direction
- Add centre left-turn lane to improve access for vehicles turning into residential and commercial driveways

### PROVIDE PHYSICAL SEPARATION FOR CYCLISTS

- Provide horizontal and vertical separation between bikes and motor vehicles
- Use of precast concrete curbs and flexible bollards to physically separate bike lanes from motor vehicles

### ACCOMMODATE USERS OF ALL AGES AND ABILITIES ALONG HOWDEN BOULEVARD

- Due to existing traffic volumes along Howden Boulevard, an in-boulevard facility is preferred to an on-road separated bike lane
- Accommodates users of all ages and abilities
- Sufficient space in boulevard to accommodate the facility

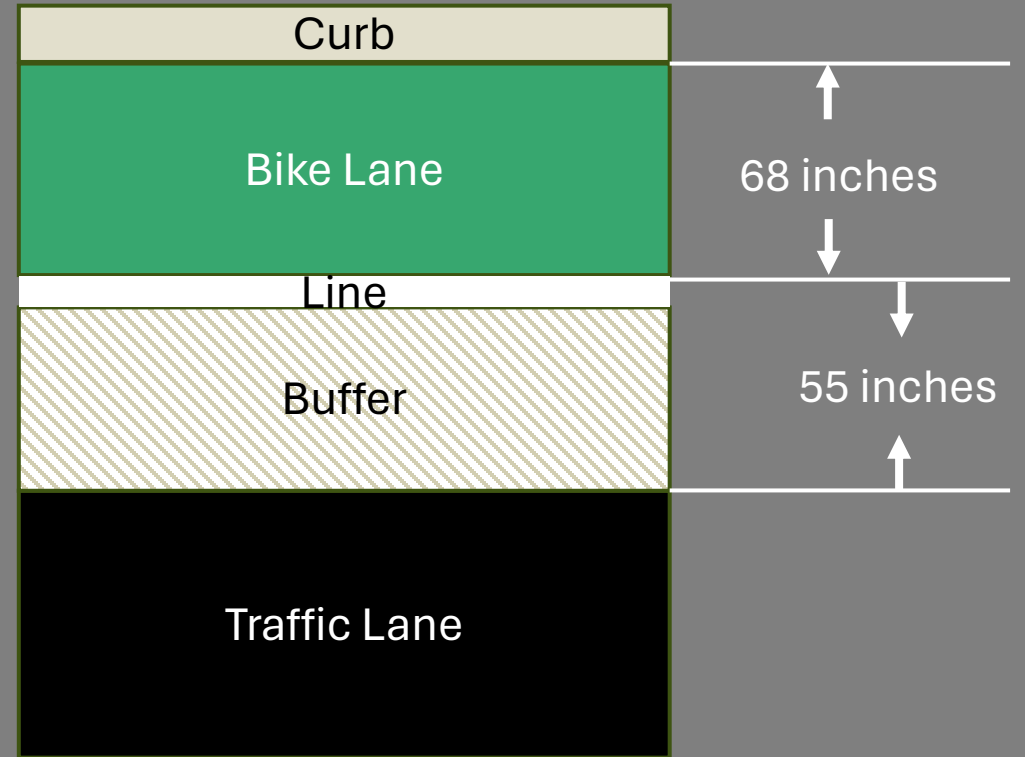
# Different Treatments

Compare buffered, protected, non-buffered in existing corridor

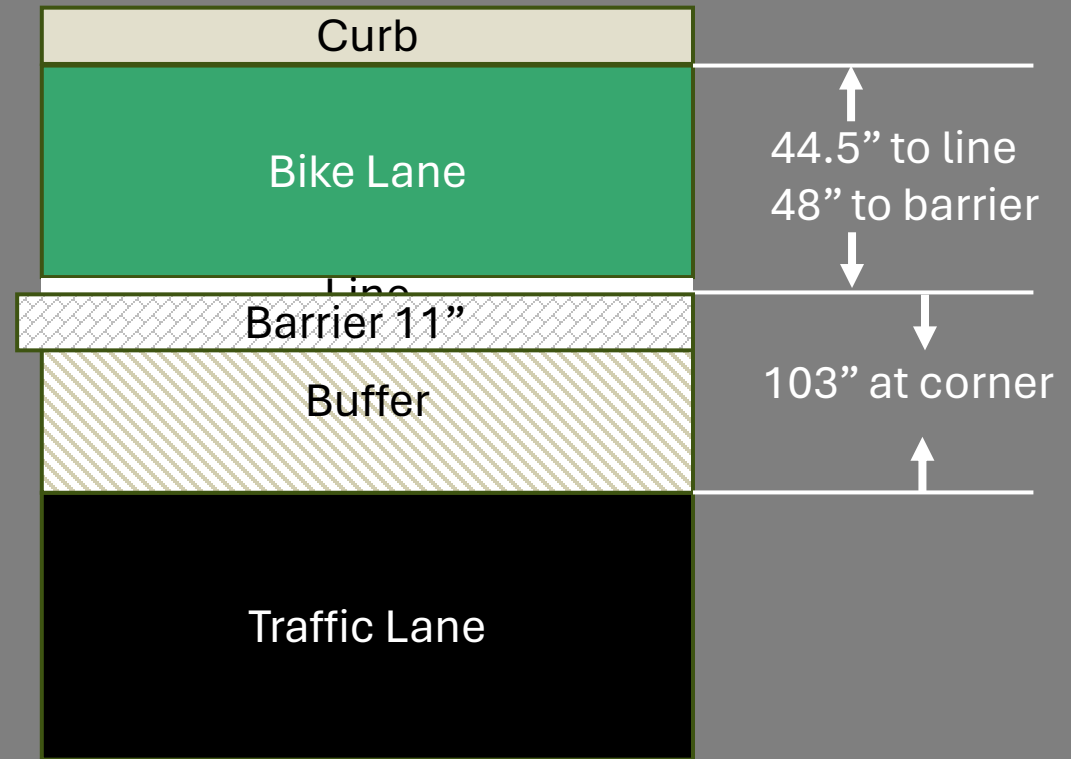




# Sunny Meadow Buffered

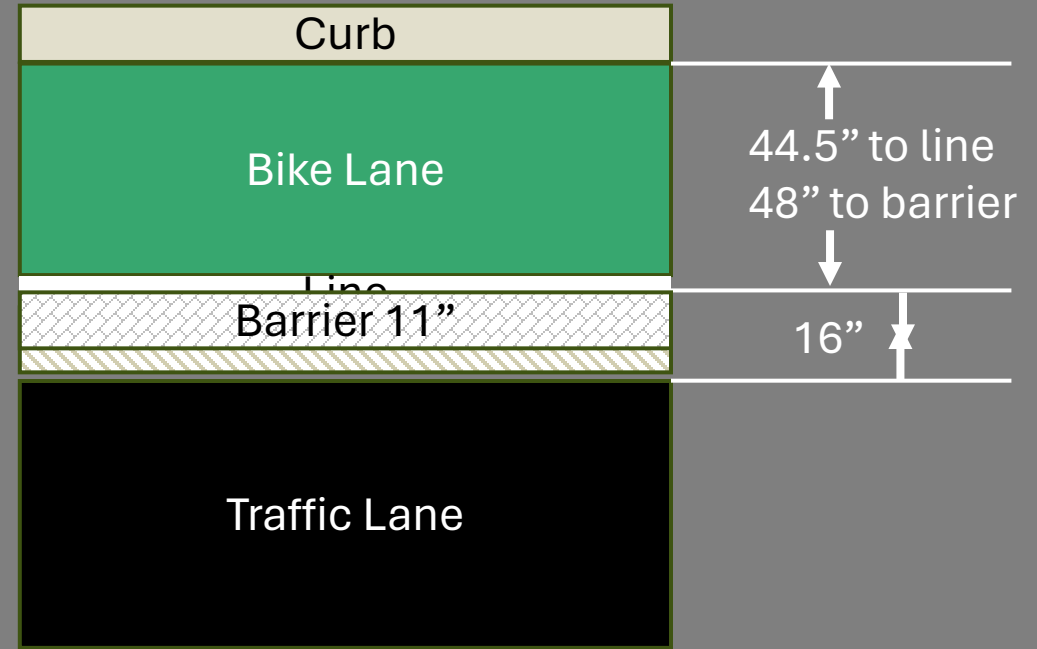


# Hanover Protected & Buffered at Central Park





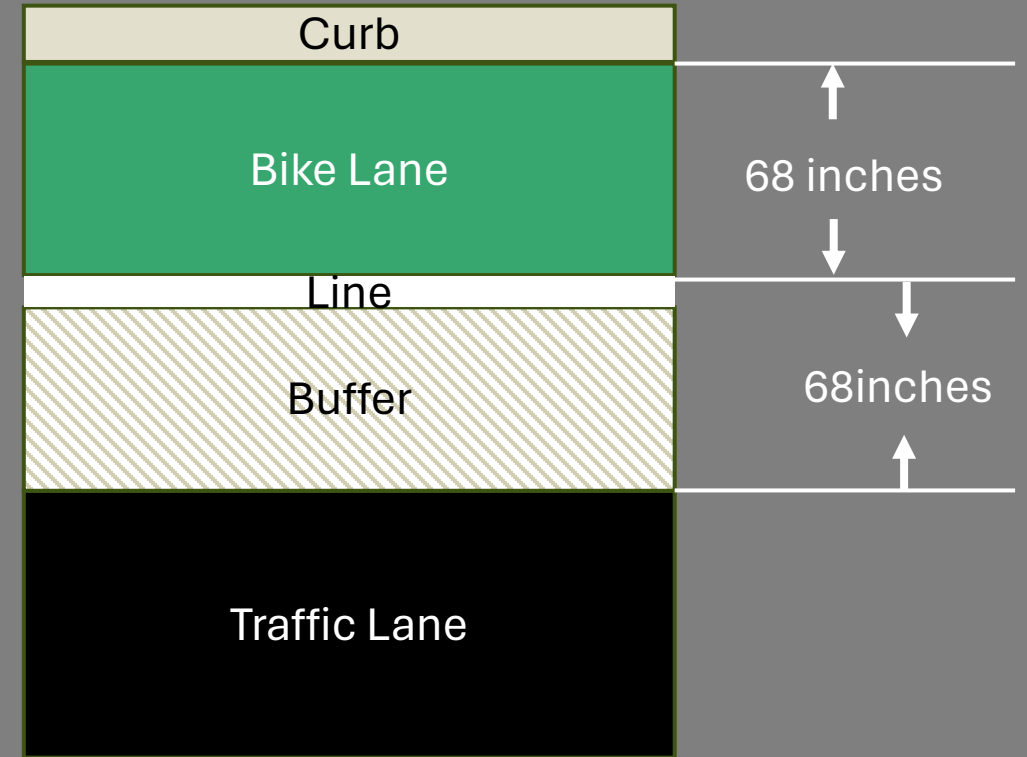
# Hanover Protected with centre turn lane



- Observed complete snow-clearing of bike lane

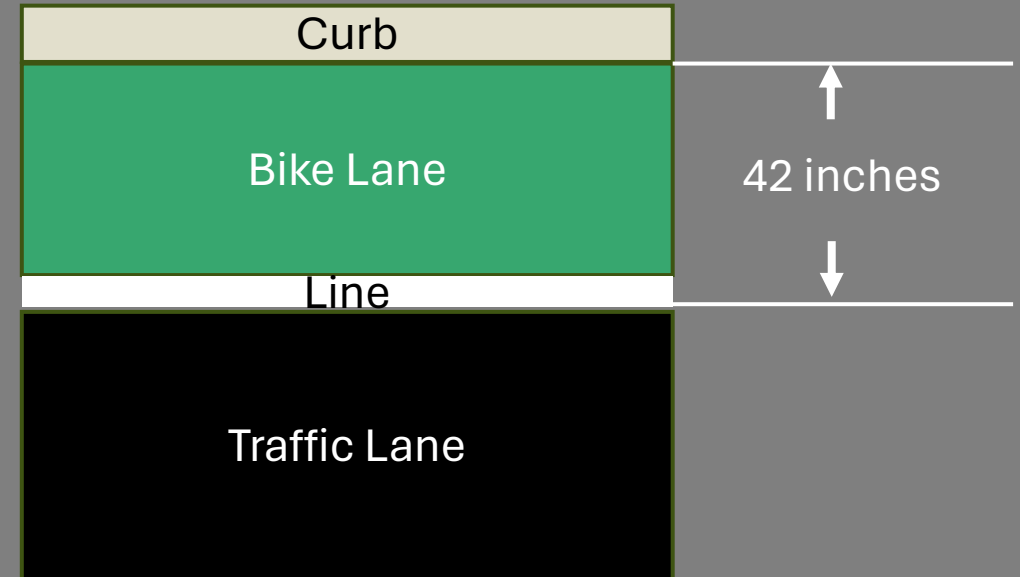


# Howden Buffered at Dixie



- Feels Ok
- Plenty of room to add barrier within buffer
- Room to maneuver around obstructions
- Room for bike panniers and trailers

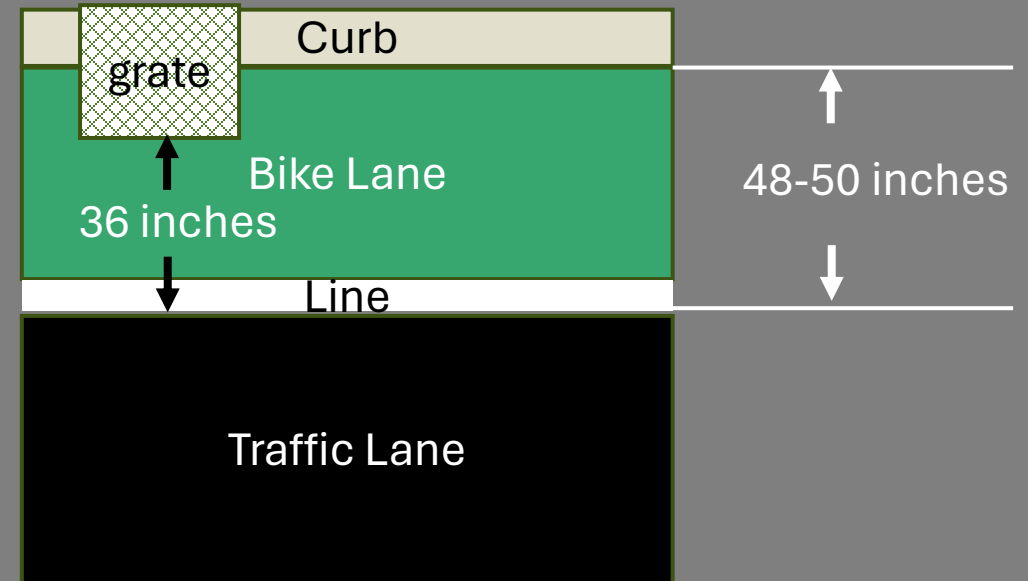
# Vodden westbound at Howden no buffer



- Feels Ok
- No through lane
- Traffic Lane can be narrowed to add barrier & buffer
- Room to maneuver around obstructions
- Room for bike panniers and trailers
- Vodden eastbound narrow bike lane without barrier



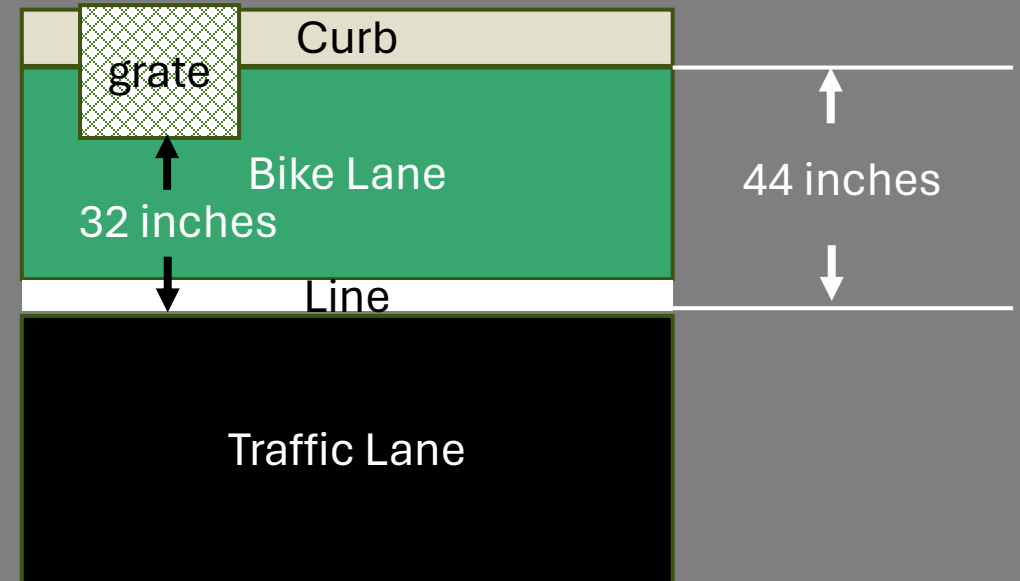
# Vodden at Rutherford no buffer



- Feels unsafe without barrier
- Room for barrier?
- Room for bike trailer, panniers?

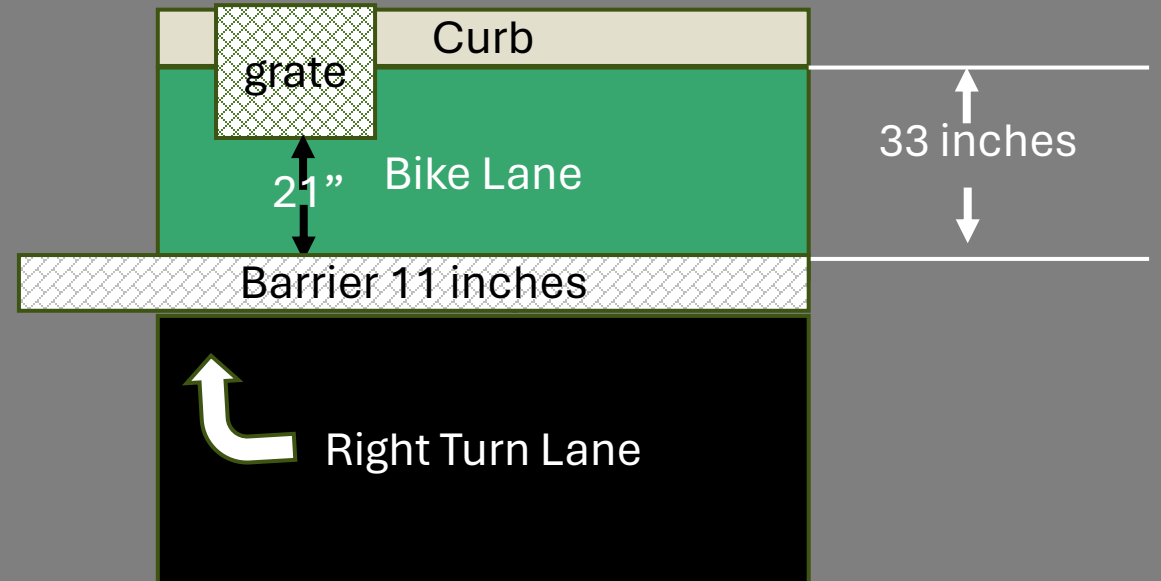


# Vodden at Hansen No Buffer



- Feels unsafe without barrier
- Room for barrier?
- Room for bike trailer, panniers?

# Vodden at Hansen Protected (future)



- With barrier still would feel unsafe
- Room for bike trailer?
- Obstruction - grate