

C-TRAN

Annual System Plan Update

May 3, 2022

Vancouver Transportation and Mobility Commission Workshop
Taylor Eidt, Planning Project Manager, C-TRAN



« OUR COMMUNITY, OUR PROMISE »

Presentation Overview

- Existing C-TRAN Services
- Overview of transit planning
- Service changes
- Major projects
- C-TRAN & City of Vancouver Coordination



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Presentation Purpose

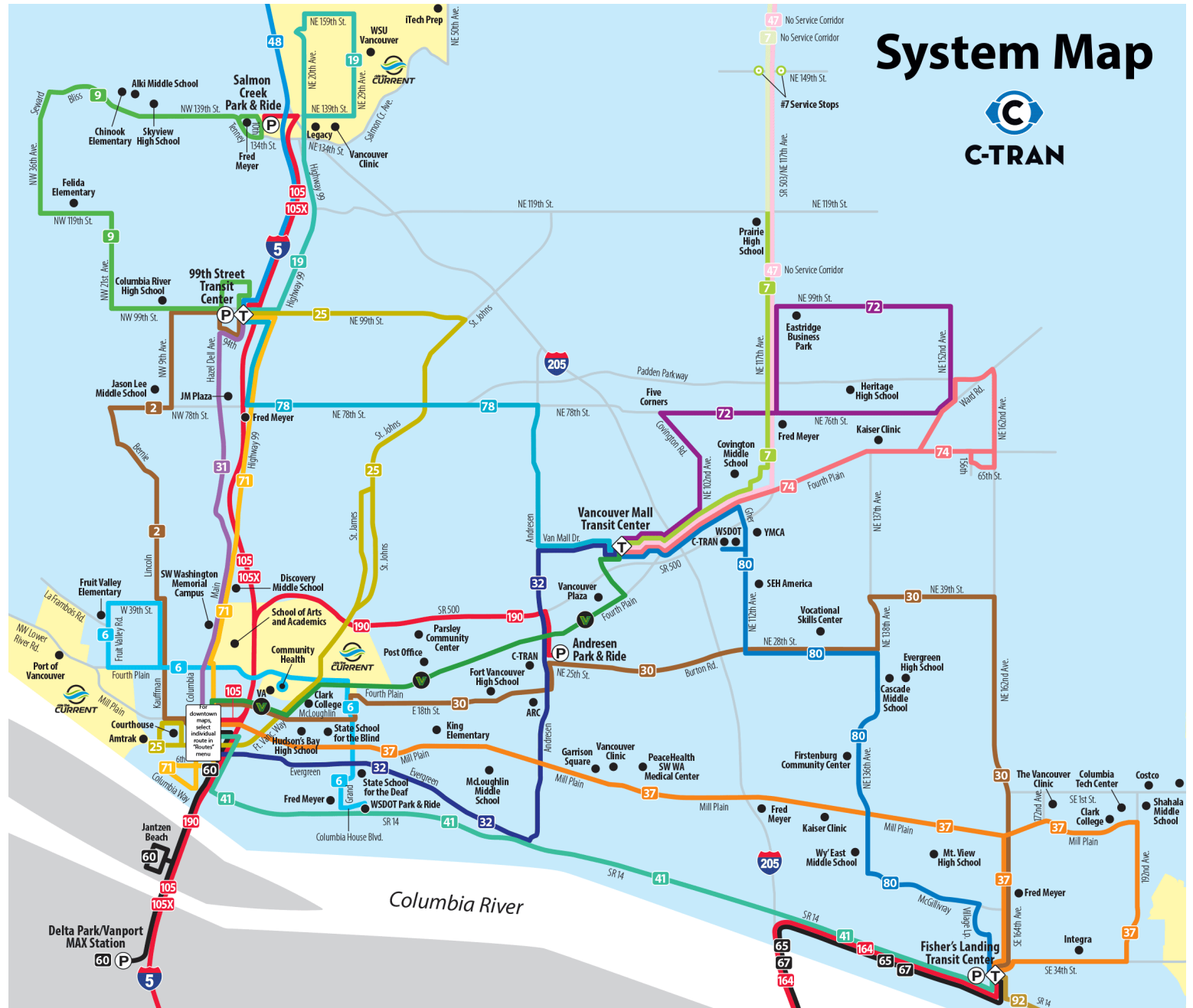
- Brief TMC on C-TRAN transit planning processes
- Review of upcoming major services changes
- Update on projects of regional significance



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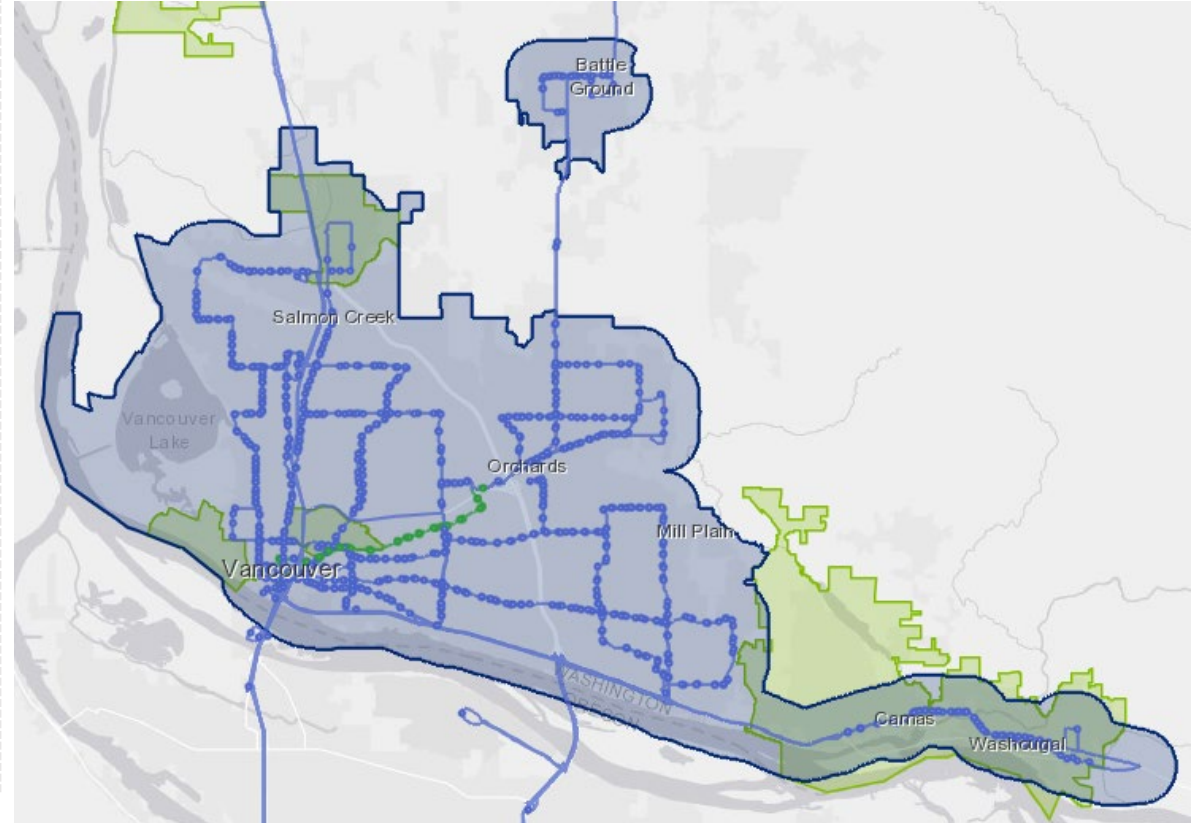
C-TRAN System

- Service Area
- Service Types
 - C-VAN
 - Vanpool
 - The Current
 - Fixed-route
- Facilities
 - Transit Centers
 - Park & Rides



C-VAN

- Americans with Disabilities Act (ADA) compliant paratransit
- Eligibility restricted
- C-TRAN must provide service for all trip requests
- Book 24 to 48 hours in advance or via subscription



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Vanpool

- Five to twelve people who commute together with a commute of 10 miles or greater in each direction, starting and/or ending in C-TRAN's service area.
- Open to Washington and Oregon residents
- 30 vans, 15 in active service today
- Example trips:
- Longview to Vancouver VA Hospital
- Washougal to Bonneville



The Current

On-demand, curb-to-curb, shared-vehicle transit using a technology enabled user booking platform.



Anyone can ride, for any trip



Book on-demand or up to two (2) days in advance



Real time trip planning, vehicle location and info



Travel within a service area or select connections



Weekdays 5:30 AM to 7PM,
Weekends 8 AM to 6 PM



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Ride in Comfort

C-TRAN drivers and vehicles

Easy to recognize branding

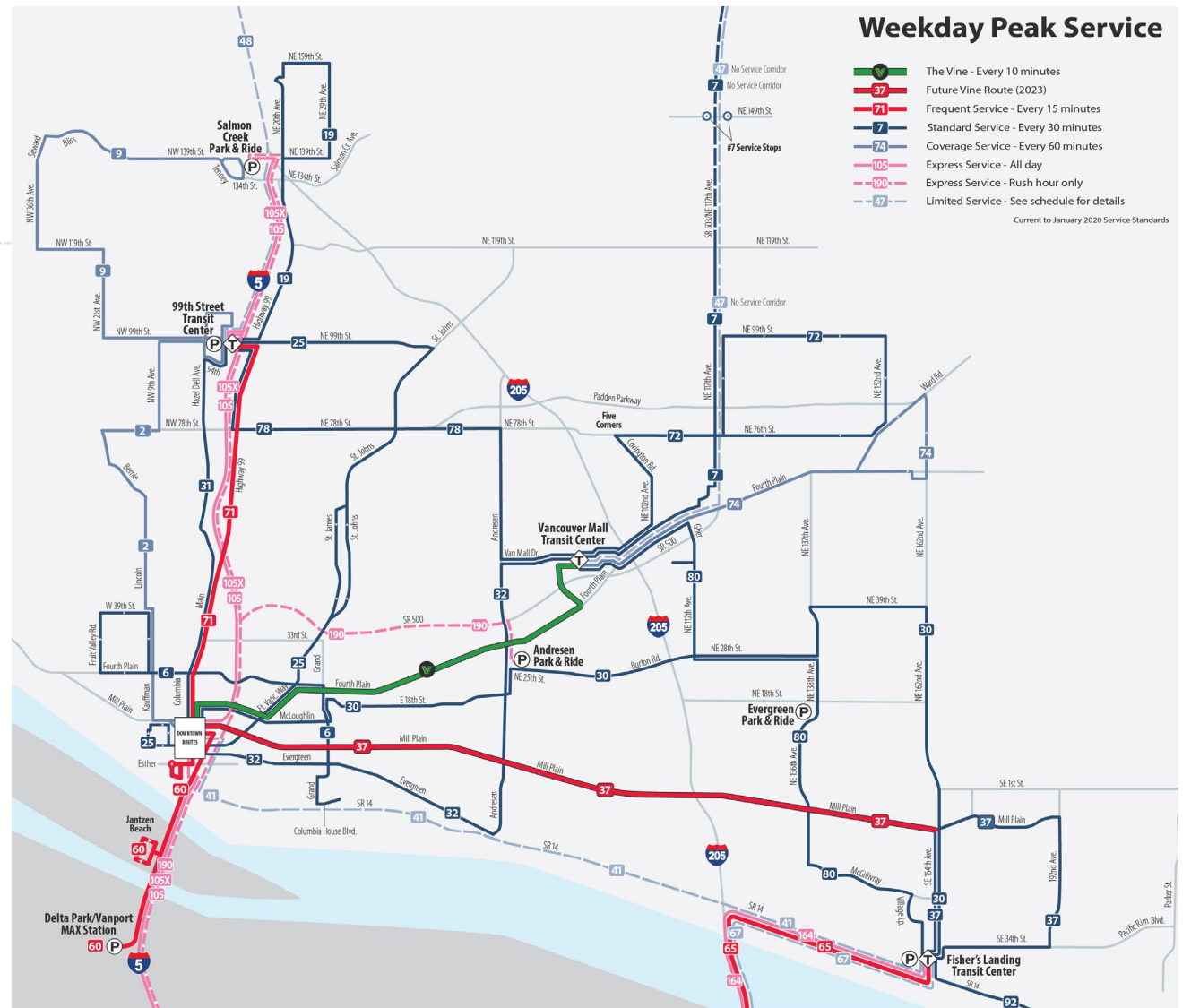
Pay on-board with Hop, contactless payment or cash

Space for two (2) bikes

ADA accessible and lift equipped

Fixed-Route

- Local
- Express
- Regional
- Bus Rapid Transit (BRT)



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Transit Planning

Where do you put service?

- Service coverage
- Major trip purpose generators such as employment or retail centers, residential clusters, schools
- Community needs such as libraries, social service, medical facilities
- Future growth and demand
- Population & Employment densities
- Demographics and environmental justice

Why plan for transit?

- Provide efficient and effective service through design and monitoring
- Increased Ridership
- Improved Service Quality
- Respond to Changes in Demand



Factors Impacting Transit

High Performers

- All-week, full-service span
- High frequency and speed
- Linear and direct alignment
- Connections to other high frequency routes
- High density, mixed-use corridors
- Connections to major activity centers
- Attracts multiple trip types

Low Performers

- Meandering, indirect route alignment
- Infrequent service
- Slow speeds
- Can be redundant of more direct service
- Low density, auto-centric land use
- Serves only residential neighborhoods
- Single purpose travel demand



Service Standards

Metrics are used to assess route performance

- Ridership
- Productivity
- Passenger Loads
- On-Time Performance
- Service Frequency
- Service Span
- Design Standards (system)
- Passenger Amenities



Service Performance Management

High Performing

- Increase Service Levels
- Invest in amenities and operational improvements
 - Transit Signal Priority
 - Off-board fare payment
 - Shelters and amenities

Low Performing

- Look to improve through analysis:
 - Segment
 - Day of Week
 - Time of day
 - Span of Service
 - Service Mode



Service Changes

January 2022

- The Current
- Route 48
- Express route streamlining

Upcoming

- Opportunities to improve weekend service
- Increased frequency
- Increased span
- Preparing for The Vine on Mill Plain



Mill Plain BRT Project

Under Construction

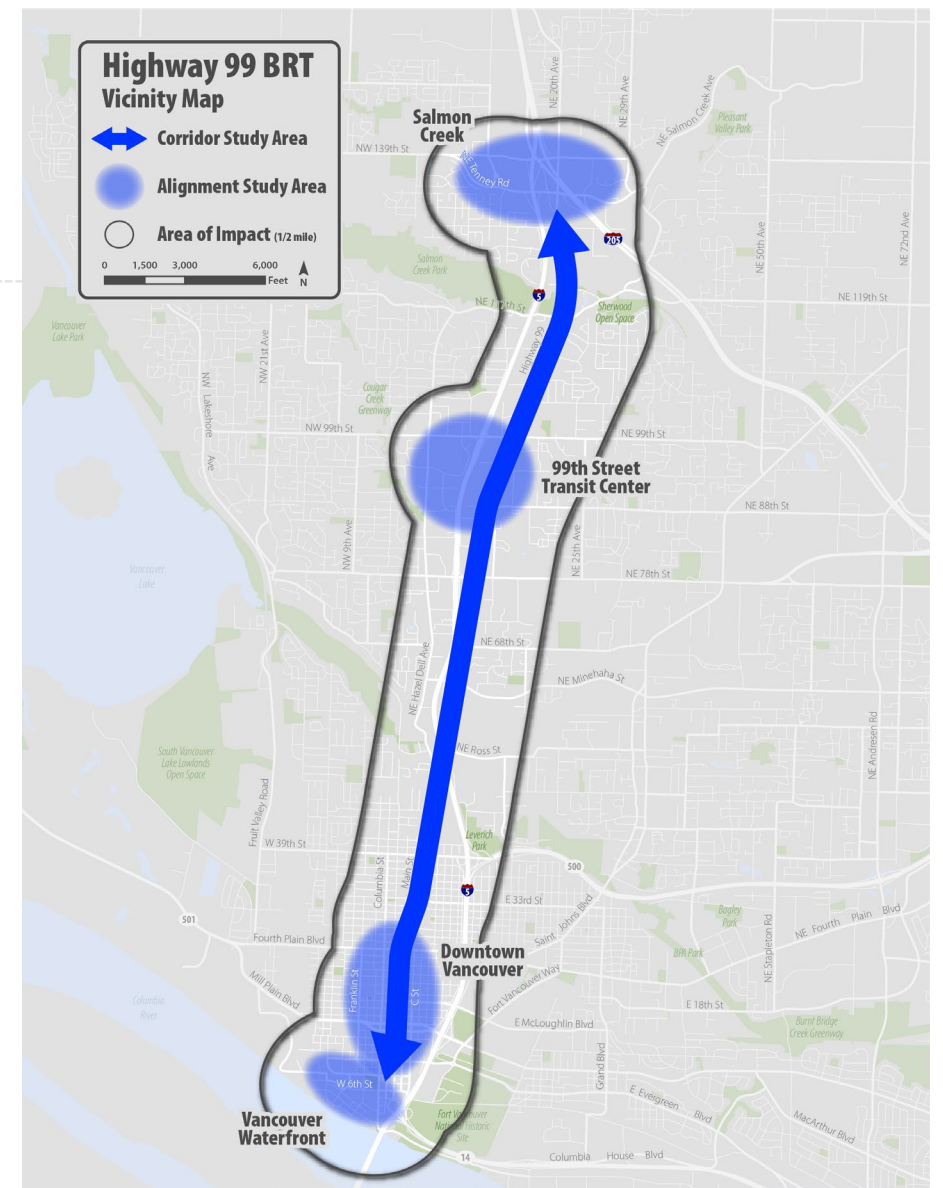
- Phased construction continuing, primarily from east to west along the corridor
- Anticipated opening of late 2023



Highway 99 BRT Project

Planning

- Vancouver Waterfront to Salmon Creek
- Planning work started in early 2022
- Leading to C-TRAN Board adoption of a locally preferred alternative, anticipated for late 2022

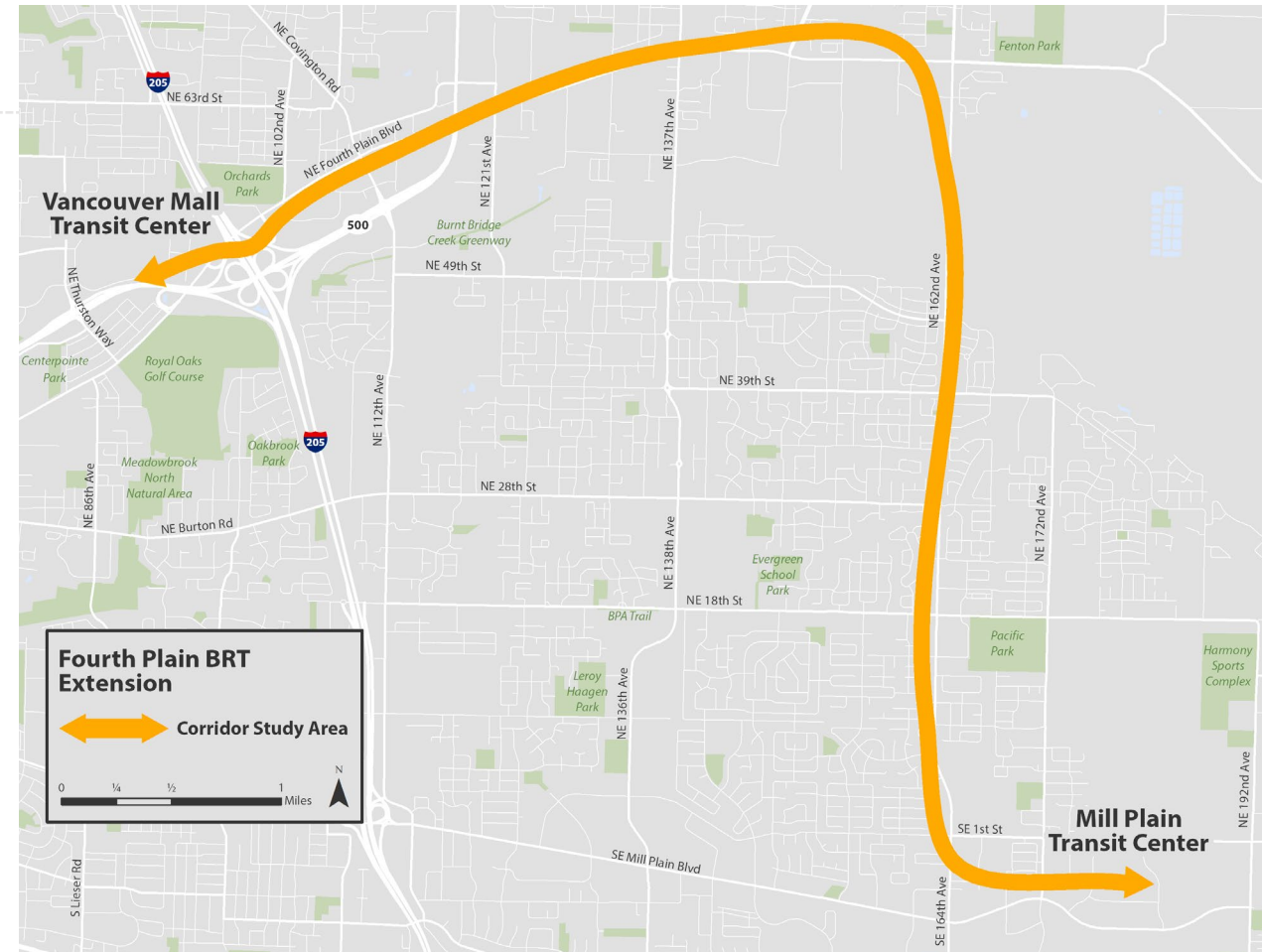


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Fourth Plain BRT Extension

Early Planning

- Vancouver Mall Transit Center to Mill Plain Transit Center/East Vancouver
- Early planning work beginning in 2022



C-TRAN & City of Vancouver Coordination

Supporting high quality transit

- The Vine Bus Rapid Transit
- Transportation System Plan and Enhanced Transit Corridors
- Station and bus stop improvements
- Development review
- Grant collaboration



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Questions and Discussion

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