

A low-angle, upward-looking photograph of a white and blue Sound Transit train at a station platform. The train's windows and doors are visible, and the platform's glass and metal structure is in the upper left. A semi-transparent dark blue banner is overlaid across the middle of the image, containing white text.

Operations & Administration Committee: ST3 Draft System Plan

April 7, 2016

SOUNDTRANSIT

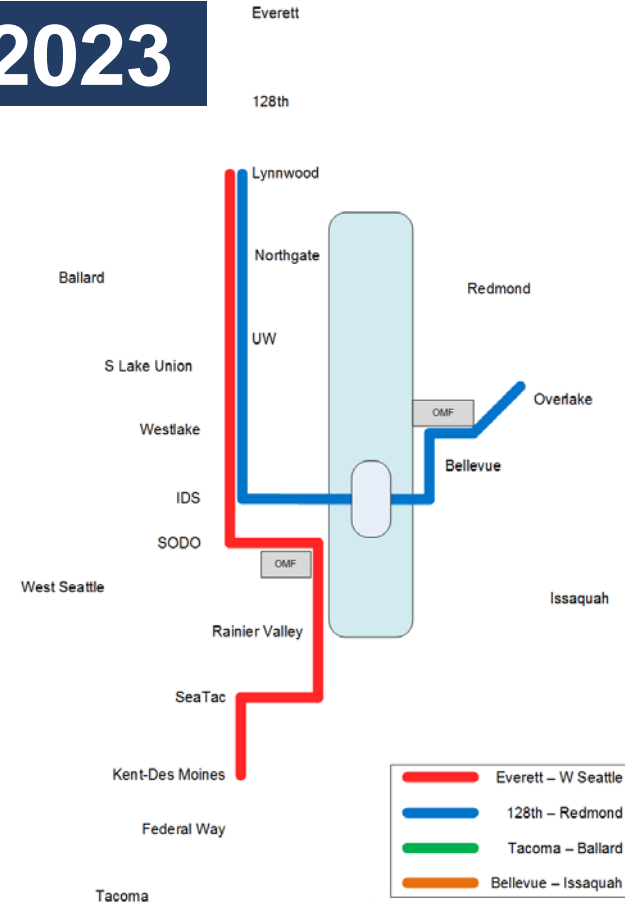
- Review service and Operation and Maintenance Facility (OMF) assumptions
 - Light rail
 - ST Express
 - BRT service
- Building on ST2:
 - Regional assets
- Next Steps

LRT System Operations and OMF Assumptions

ST2 LRT System Operations: 2023

Operation and Maintenance Facilities:

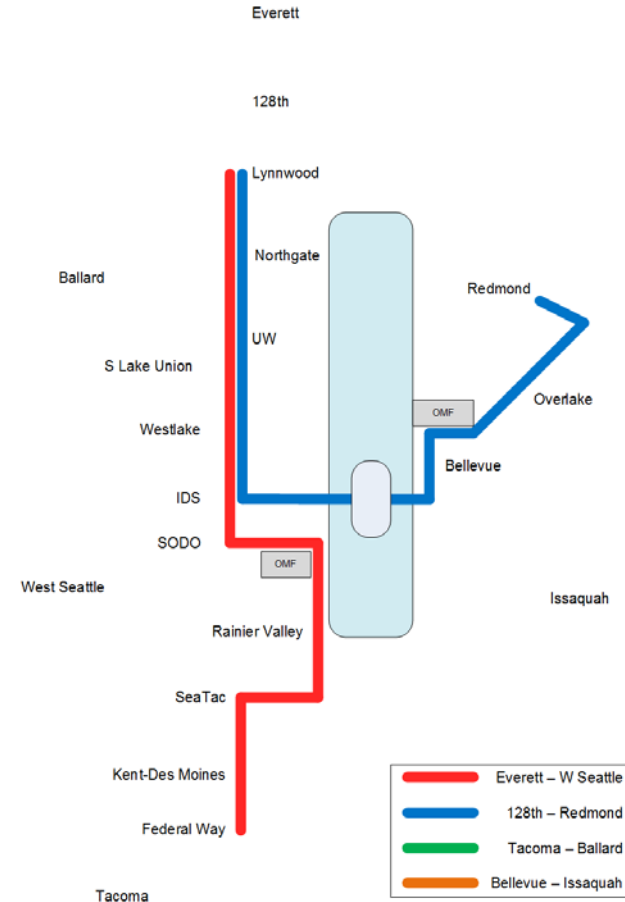
- Forest Street (104 vehicles)
- Bellevue (96 vehicles)



ST3 Draft System Plan: 2028

Operation and Maintenance Facilities:

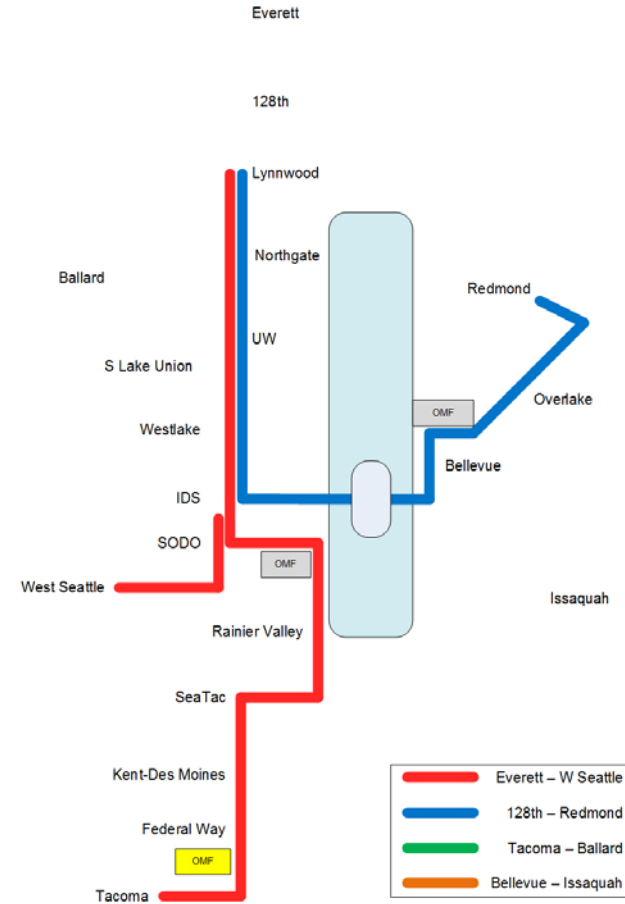
- Forest Street (104 vehicles)
- Bellevue (96 vehicles)



ST3 Draft System Plan: 2033

Operation and Maintenance Facilities:

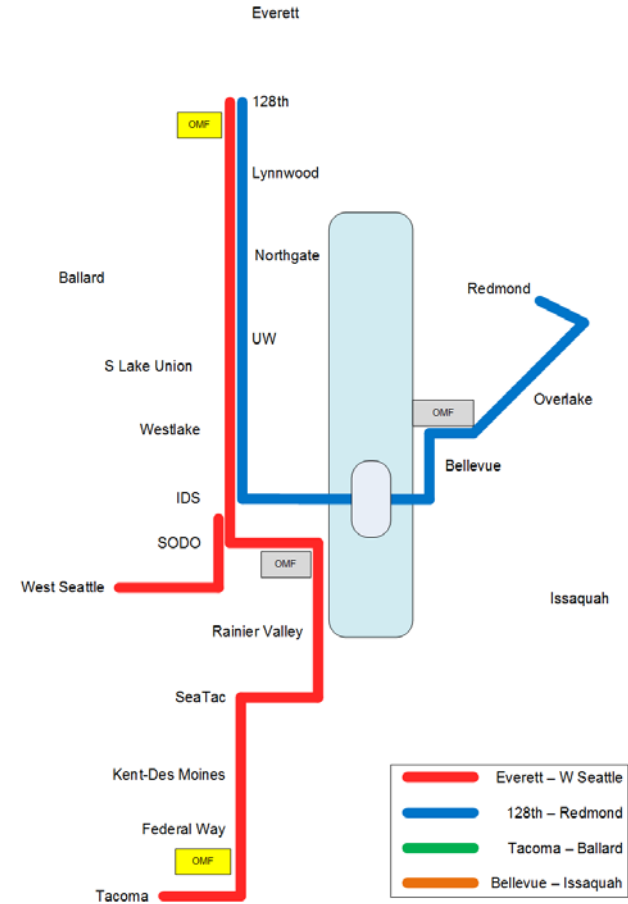
- Forest Street (104 vehicles)
- Bellevue (96 vehicles)
- Connection to Forest Street to provide service for West Seattle
- New facility in the south (~ 152 vehicles)



ST3 Draft System Plan: 2036

Operation and Maintenance Facilities:

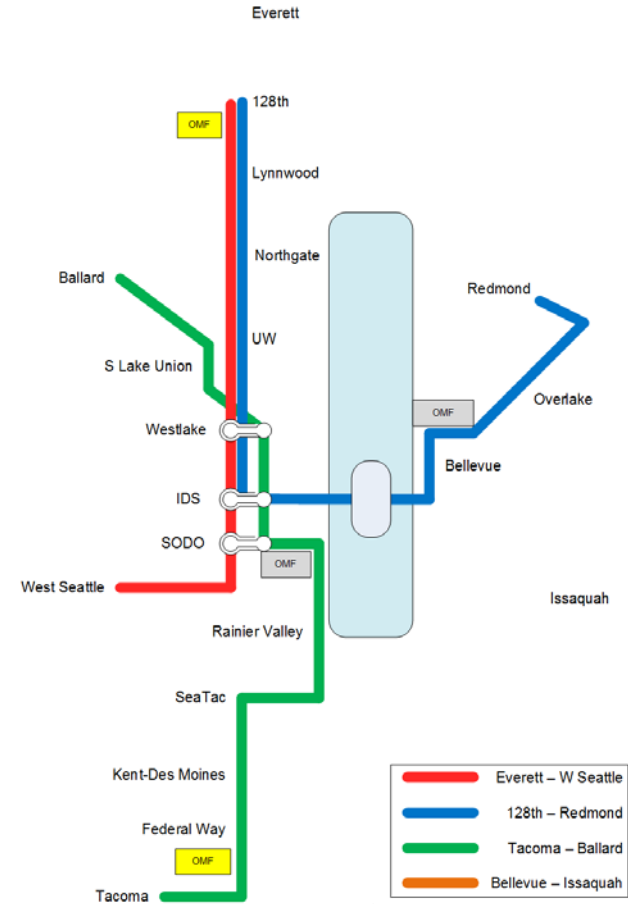
- Forest Street (104 vehicles)
- Bellevue (96 vehicles)
- Connection to Forest Street to provide service for West Seattle
- New facility in the north (~108 vehicles)
- New facility in the south (~ 152 vehicles)



ST3 Draft System Plan: 2038

Operation and Maintenance Facilities:

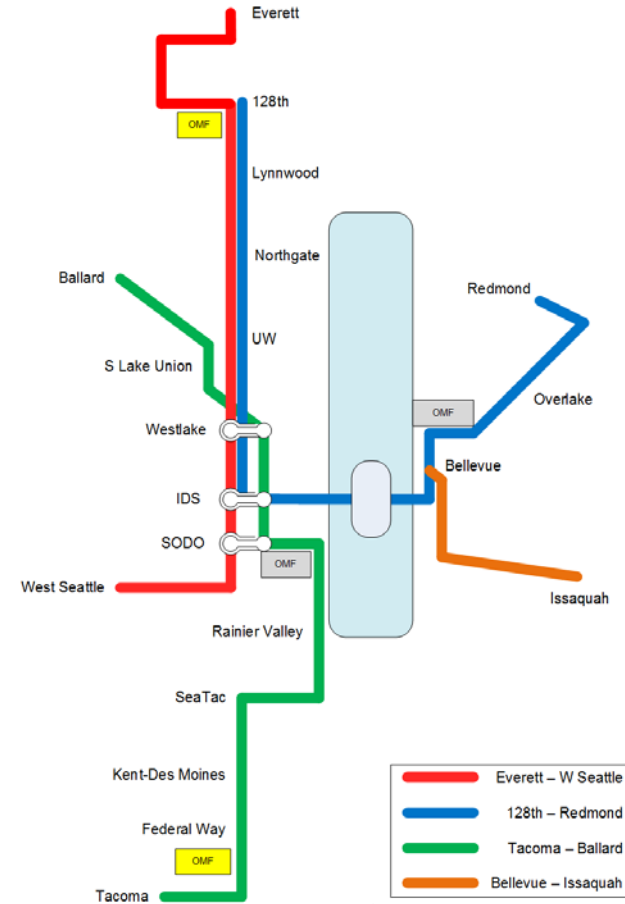
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ST3 Draft System Plan: 2041

Operation and Maintenance Facilities:

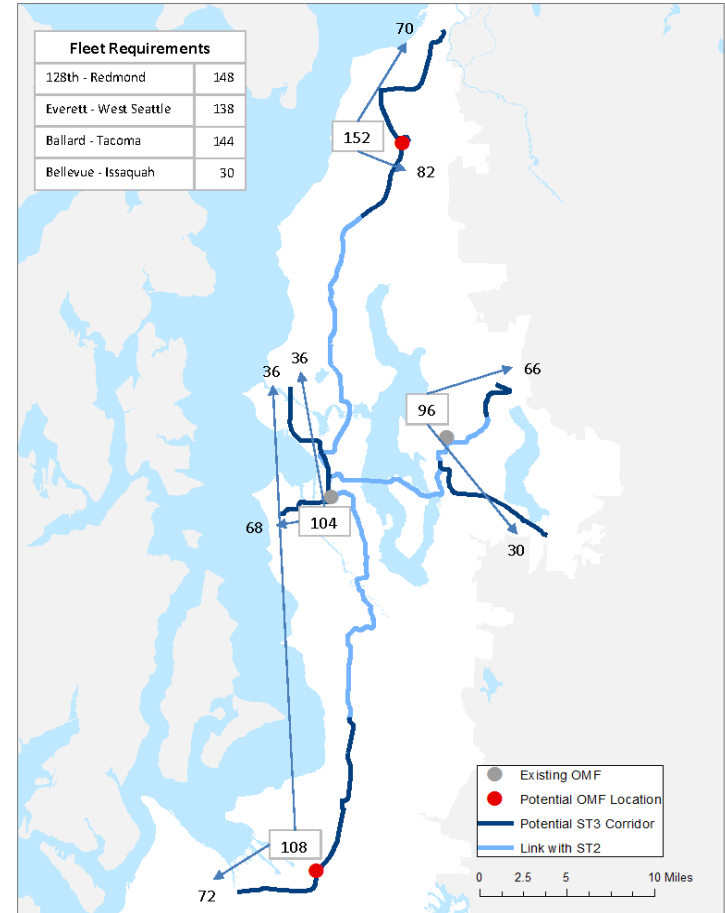
- Forest Street (104 vehicles)
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- Connection to Forest Street to provide service for West Seattle
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ST3 Draft System Plan: Potential LRT Buildout

Operation and Maintenance Facilities:

- ~460 total vehicles
- Four operation and maintenance facilities
- Serve regional LRT system



ST Express/BRT System Operations and OMSF Assumptions



DRAFT ST3 System Plan: BRT and ST Express

| Projects | Draft Schedule |
|--|----------------|
| ST Express: <ul style="list-style-type: none"> Approximately 600K annual hours to maintain interim express bus service levels in HCT corridors | On-going |
| I-405 BRT: Lynnwood to Burien | 2024 |
| SR 522 & 145th St. BRT: <ul style="list-style-type: none"> UW Bothell to 145th Light Rail Station Includes service from Woodinville | 2024 |

ST Express in ST3 | Network Change

- Truncate ST Express service in corridors served by ST2 Link
- Link is the primary connection to Downtown Seattle
- ST Express provides connections to Link Stations at:
 - Lynnwood
 - Kent-Des Moines
 - Downtown Bellevue/South Bellevue
 - University of Washington



ST Express in ST3 | Service Hours

Approximately 600,000 annual platform hours

- Corridor service maintained at existing levels
- Accounts for savings from I-405 and SR-522 BRT.

Expansion of LRT service

- ST Express annual platform hours will decrease over 25 year plan as light rail service increases
- Enables transit partners to repurpose their service hours to meet needs



BRT Platform Hours:

- BRT: I-405 and SR 522: ~ 200,000 annual platform hours

Additional Fleet:

- Approximately 50 total BRT buses to be operated and maintained

Operation and Maintenance Facilities:

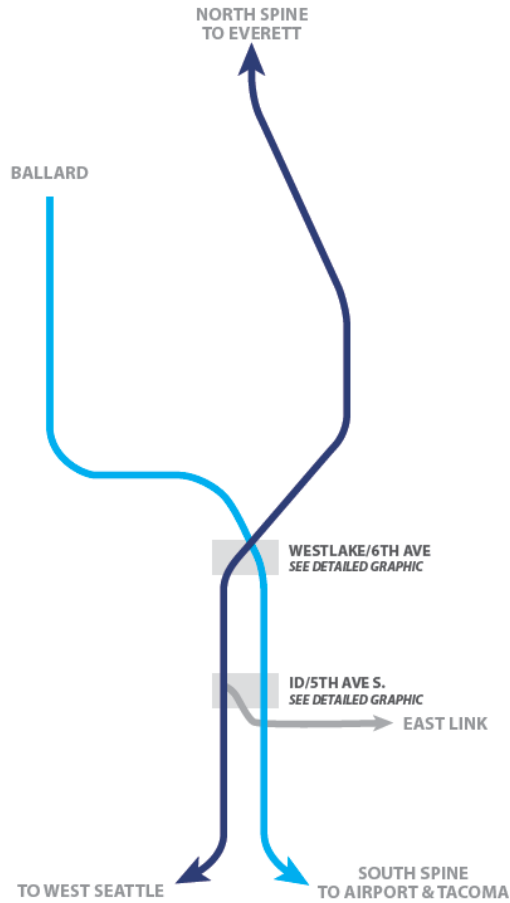
- Flexibility to meet bus maintenance needs during implementation of ST2 and ST3
- Two facilities identified to meet service needs
 - ST2 provides funding for one base
 - ST3 satellite facility sized for BRT services
 - Representative facilities identified at each end of the I-405 BRT corridor to support BRT and ST Express service
- Constructing a BRT bus base addresses ST future capacity needs
- Other transit partners are running out of capacity at transit bases
- ST3 Draft System Plan assumes continued reliance on partners for some ST Express service

- Proceed with assumptions as presented here
- Refine capital costs of OMFs based on representative locations
- Include representative locations within final ST3 Plan

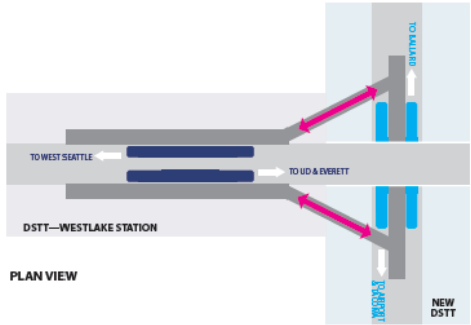
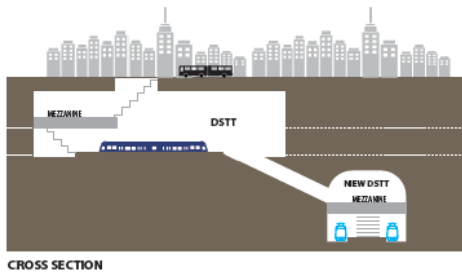


 **SOUND TRANSIT**

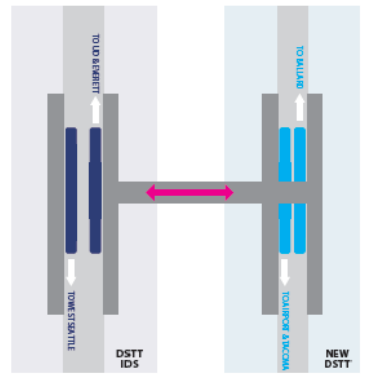
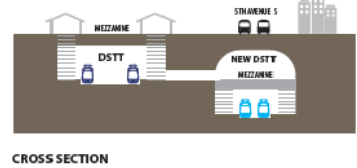
Downtown Seattle Tunnel



WESTLAKE/6TH AVE STATIONS



ID/5TH AVE S. STATIONS



ILLUSTRATIONS NOT TO SCALE

| Projects | Draft Schedule |
|---|----------------|
| Redmond Technology Center to Downtown LRT | 2028 |
| Kent/Des Moines to Federal Way LRT | 2028 |
| Federal Way to Tacoma Dome LRT | 2033 |
| West Seattle to Downtown Seattle LRT | 2033 |
| Lynnwood to 128 th St. SW (Mariner) LRT | 2036 |
| Infill Light Rail Station: Graham Street | 2036 |
| Infill Light Rail Station: Boeing Access Road. | 2036 |
| Ballard to Downtown Seattle LRT (with new downtown rail tunnel) | 2038 |
| Tacoma Link Extension to Tacoma Community College | 2041 |
| 128 th St. SW (Mariner) to Everett LRT via Southwest Everett Industrial Center and Evergreen Way | 2041 |
| Bellevue to Issaquah LRT | 2041 |

Questions?