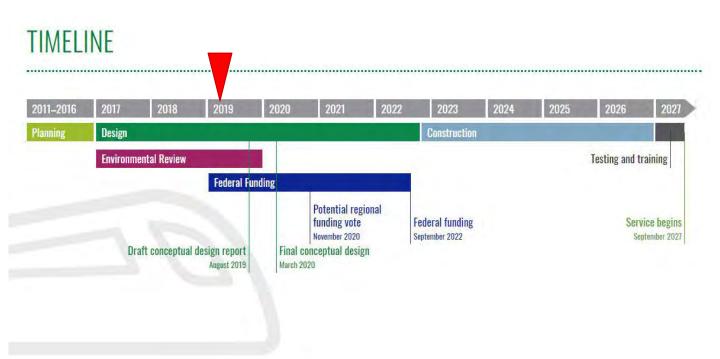


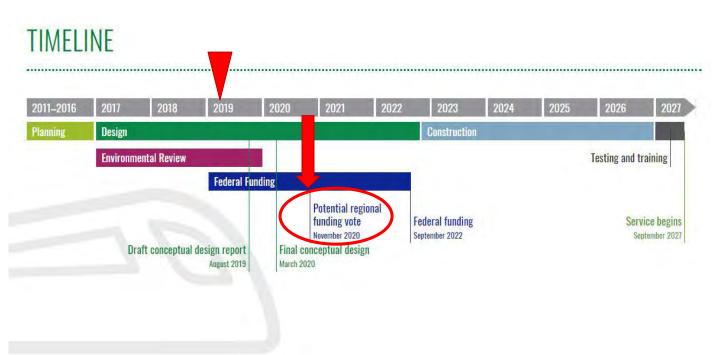
## SOUTHWEST CORRIDOR LIGHT RAIL PROJECT

## Steering Committee April 8, 2019











# **Project Funding Sources**

Revenue Sources	(in millions)
Federal New Starts Funds	\$1,250
Regional Funding Measure	\$ 850
Local, State, Regional Partner Funds (public and private)	\$ 425
	\$2,525



# **Project Scope (Cost) Target**

Revenue Sources	(in millions)
Federal New Starts funds	\$1,250
Regional Funding Measure	\$ 850
Local, State, Regional Funds (public and private)	<u>\$ 425</u>
	\$2,525
(less interim finance)	<u>\$ 150</u>
Project Scope Target (YOE)	\$2,375



# **Locally Preferred Alternative**

#### Project Scope Estimated \$2.733

- 12 mile corridor to Bridgeport
- Rebuilds existing infrastructure (roadway, structures)
- Connections to Marquam Hill and PCC campuses
- Stations and Park-and-Rides to access regional system

EAT PLACES

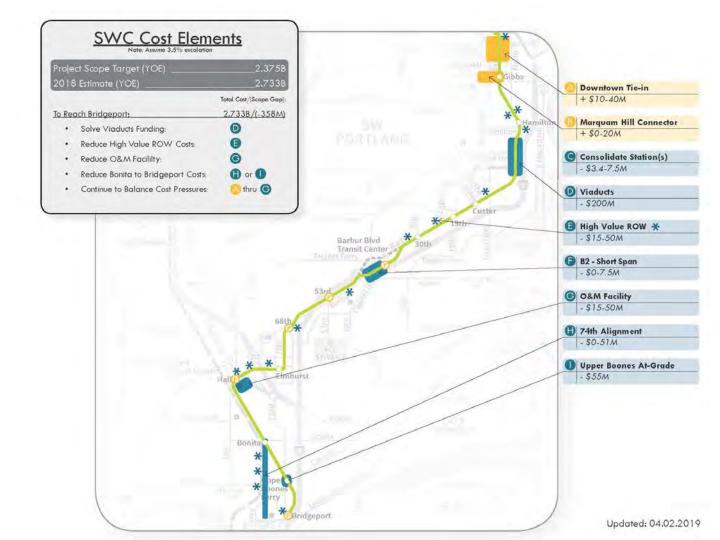
 Includes design mitigations (grade separations)

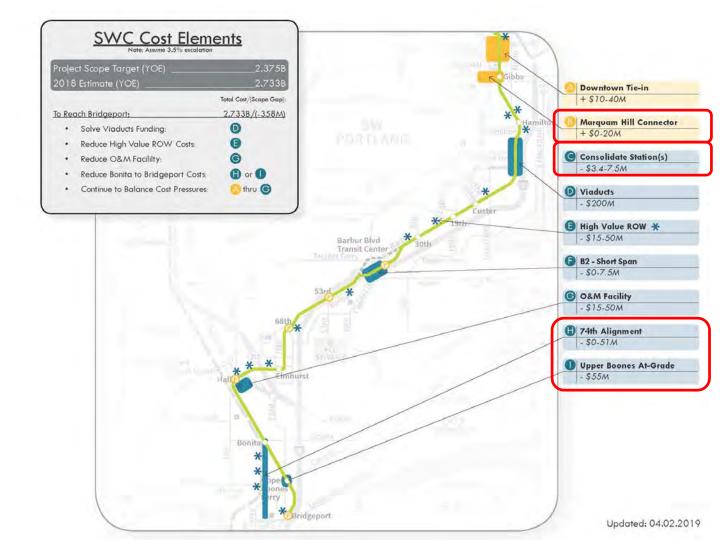


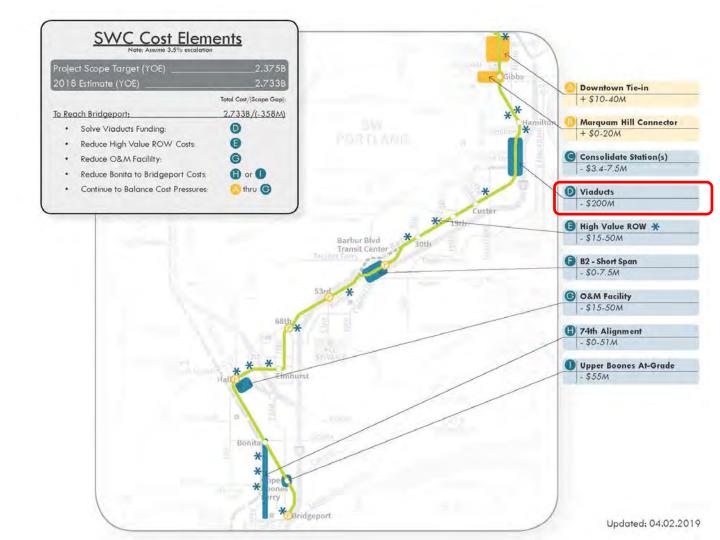
# **Target Cost Reduction**

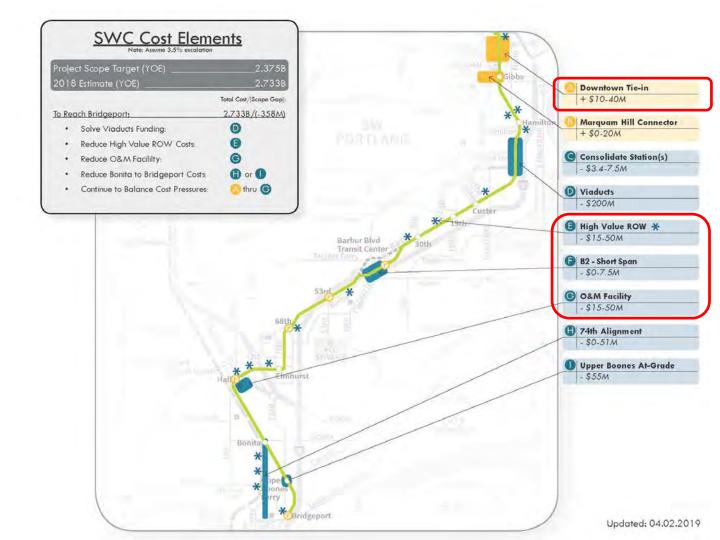
	(in millions)
Project Scope Target	\$2,375
LPA Cost Estimate	<u>\$2,733</u>
Target Cost Reduction	\$ (358)











# **Next Steps**

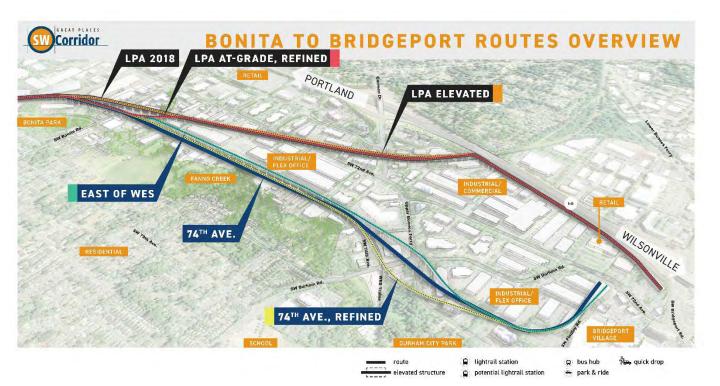
- Update Alignment Cost Estimate (Summer 2019)
  - Incorporate Steering Committee Decisions (through May)
  - Working Assumptions for FEIS
  - Basis for Partner Funding



# Bonita to Bridgeport



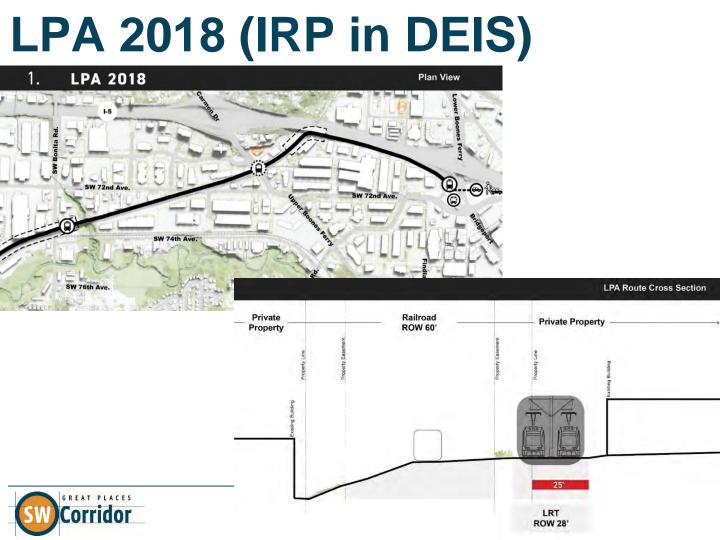






Data **Traffic Travel time** Walksheds **Displacements** Natural resources Constructability Cost

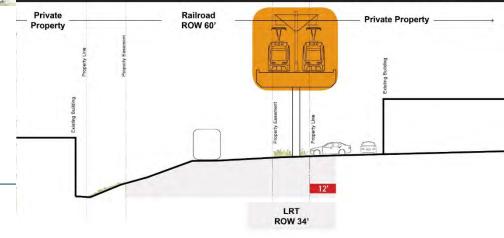




# **LPA Elevated**



LPA Elevated Route Cross Section





# 74th Ave

74<sup>TH</sup> AVE. 4. Plan View 1-5 0 SW 72nd Ave. SW 72nd Ave. Ĩ Õ SW 74th Ave. left. SW 76th Ave. (E) 45' 74th Avenue (E) 56'WES Train Private Property ROW ROW SIDEWALK PLANTING PARKING AREA TRAVEL LANE TRAVEL LANE NULTI-USE PATH 40' TO 50' New 74th Avenue ROW LRT 56' **ROW 28'** 



74th Ave. Route Cross Section

ODOT

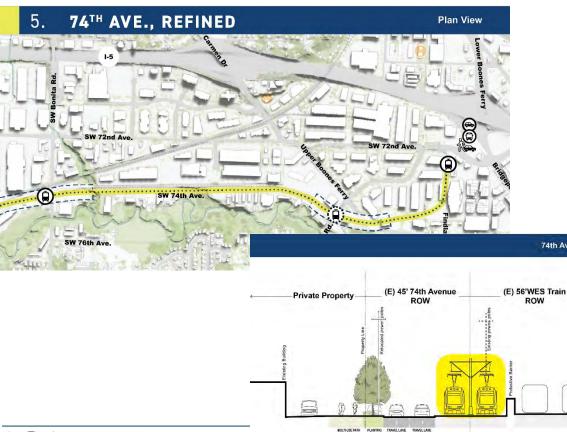
**ROW 30'** 

100

Private

Property

# 74th Ave, refined



AREA OR

New 74th Avenue

**ROW 44'** 

LRT

**ROW 30'** 

6' TO 14'





ODOT

**ROW 30'** 

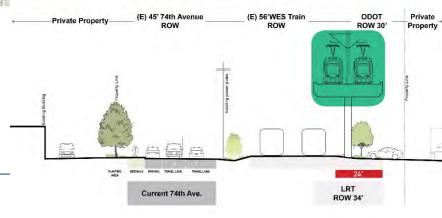
Private

Property

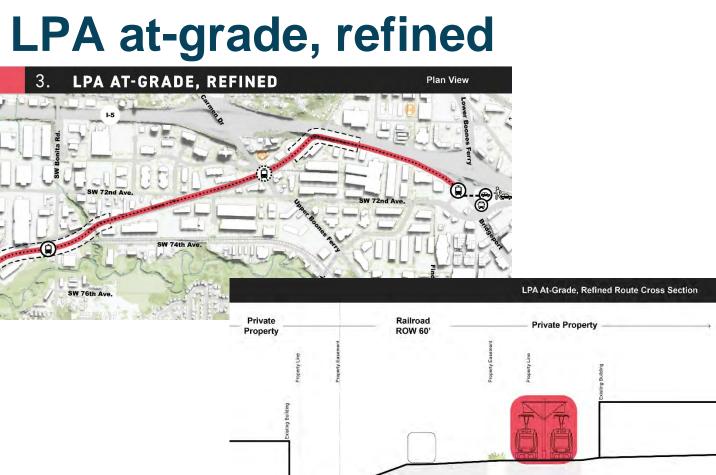
# **East of WES**

# 6. EAST OF WES Planets

East of WES Route Cross Section

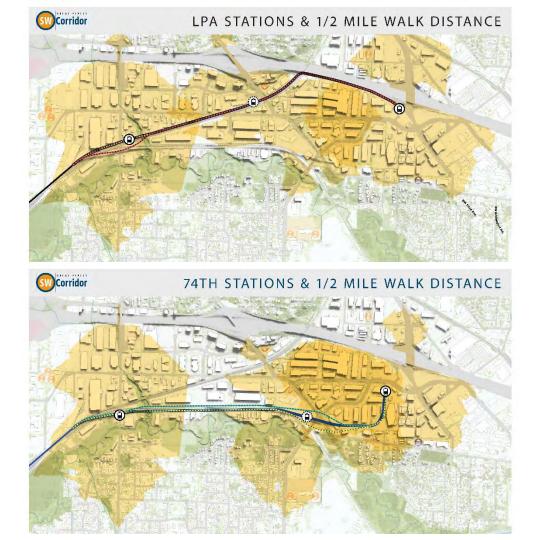












# **Bridgeport Station**







### DEIS







F



# **Comparison of options**

	LPA 2018 (IRP in DEIS) (Summer 2018)	LPA Elevated (Late 2018)	LPA at-grade refined (Mar/Apr 2019)	74th Ave (Jan/Feb 2019)	74th Ave Refined (Mar/Apr 2019)	East of WES (Mar/Apr 2019)
	1	2	3	4	5	6
Fraffic	en on	a finant	210A			21.11
At-grade crossings	72nd Ave Upper Boones, with gueuing concern		72nd Ave Upper Boones, with queuing concern	-	-	-
Bridgeport Park & Ride	South of Lower Boones	South of Lower Boones	South of Lower Boones	North of Lower Boones	North of Lower Boones	North of Lower Boones
ight Rail Performance				Contraction of the second	and the second second	Caracteria Caracteria
Travel time difference from LPA	N/A	30 seconds faster	30 seconds slower	60 seconds faster	60 seconds faster	60 seconds faster
On-time performance	Risk of delay	÷.	Risk of delay	1	÷.	· · ·
Property Acquisitions						
Full taxlot parcels	10	8	12	7	4	3
Partial acquisitions	21	20	21	25	30	21
Relocations						
Businesses	-12	11	8	31	8	9
Employees	320	270	130	520	160	250
Environmental Impacts		t		· · · · ·		
Acres of floodplain	0.00	0.00	0.00	0.80	0.00	0.00
Acres of wetland	0.01	0.01	0.60	0.56	0.14	0.26
and Use, Trails						A second second
Differences in land uses served by an Upper Boones station	More commercial, industria	More commercial, industria	More commercial, industrial	More residential	More residential	More residential
Regional trail opportunity	-	-	1	On-street	On-street	
Risks						
Railroad interface	Union Pacific; no existing agreement	Union Pacific, no existing agreement	Union Pacific; no existing agreement	Outside railroad right-of-way	Poritand & Western (WES); shared use agreement	Porltand & Western (WES); shared use agreement
Jtilities	-			High risk	Higher risk	-
Cost						
Ofference from most recent full-	(-\$55m)	-	(-\$53m)	(-\$31m)*	(-\$77m)*	+\$12.5m*



# **Community Engagement**

- Letters (January); meetings, calls, correspondence (ongoing)
- Public meetings (January, February)
- Open houses (March, April)
- April 25, 6-7:30 p.m. PacTrust Business Center, Building F 16505 SW 72nd Ave





# **Community Engagement**

- Over 350 emails and letters
- Over 325

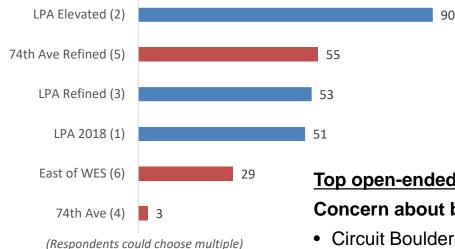
   attendees at
   meetings and
   open houses





# March & April **Comment Cards**

#### **Preferred options:**



#### Top open-ended comments:

Concern about business impacts (109)

Circuit Bouldering Gym (54)

Concern about traffic impacts (45)

Cost Considerations (25)

- Prefer lower cost option (16)
- Prefer higher cost for lower impacts (9)

## Marquam Hill Connections





## Context



#### Southwest Corridor Alignment



# Purpose

• To connect the Gibbs St. Station to the many destinations on Marquam Hill & bus routes as well as the neighborhoods & Terwilliger Parkway





# Goals & Criteria

- Access: Develop equitable, efficient, convenient connections for all users to a number of destinations.
- Safety: Create a safe & secure, 24/7 connection for all users.
- Context: Enhance & improve the historic, scenic & recreational resources; consider the unique character of the area in the design.
- Environmental: Project & enhance natural resources & habitat.



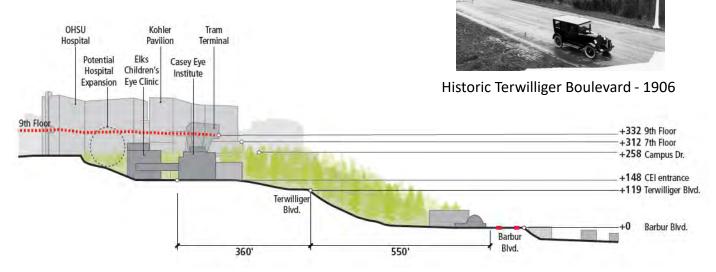
# Goals & Criteria

- Operational: Provide a long-term, sustainable connection for current & future users.
- Budget/Schedule: Be cost effective & timely within the SW Corridor Light Rail project.
- Experience: Create a connection that provides a high-quality user experience & inspires civic pride.



# **Special Considerations**

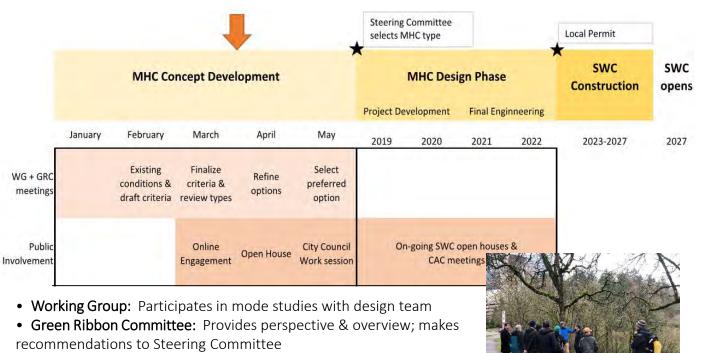
Distance of about 1,000 horizontal ft. & 300 vertical ft. Historic Olmsted Brothers parkway & environmental resources



Site Section: Marquam Hill to Gibbs St. Station on Barbur Blvd.



## Process



Working Group site visit on Terwilliger Blvd.



## Many Options Considered



























# Bridge + Elevator

#### Precedents





## Tunnel + Elevator

#### Precedents





## Inclined Elevator

Precedents





## Next Steps

Open house	April 10
Online open house	April 15
Green Ribbon Committee meetings	April 10 +
	May 8
Committee on Accessible Transportation (CAT)	April 11
Portland Design Commission briefing	April 18
Community Advisory Committee (CAC)	May 2
Portland City Council work session	May 7
Steering Committee	May 13

