

Northup Way Connection to the SR 520 Trail

CIP Plan No. PW-R-146

Transportation Commission Presentation
December 11, 2014

Presenter: Steve Costa

Outline

History

Design
Challenges

Customers +
Collaborators

Construction
Ahead



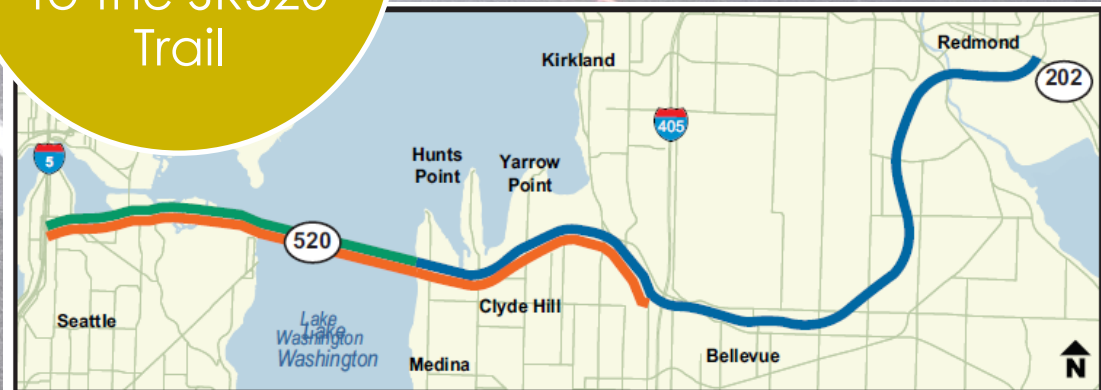
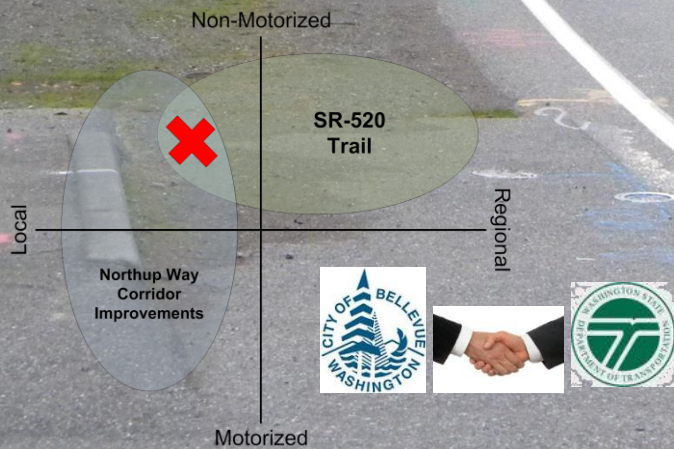
History

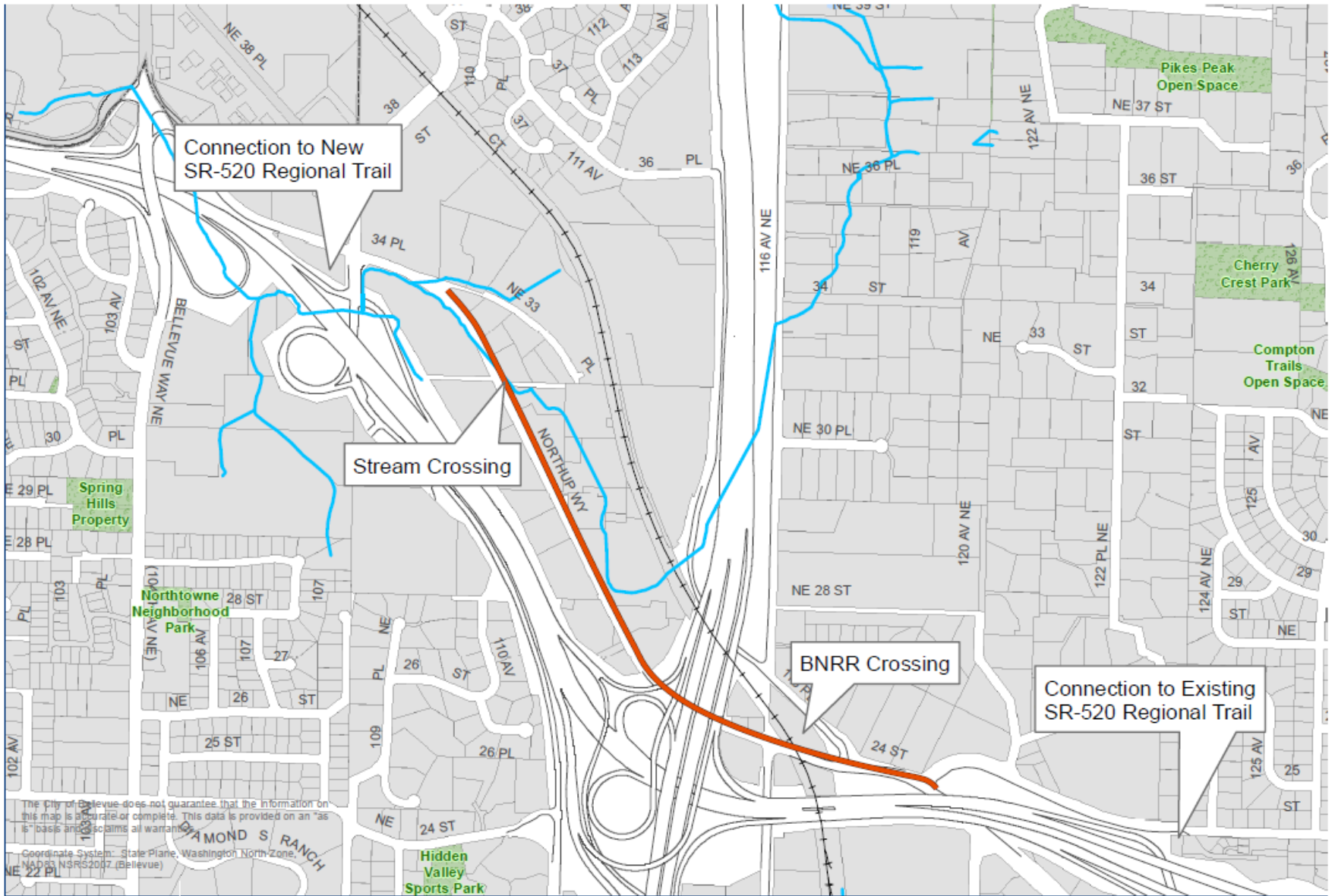
2008 Northup Way
Predesign
Study

2009
Pedestrian &
Bicycle Plan

520 Eastside
Transit & HOV
Project

Northup
Way
Connection
to the SR520
Trail





The City of Bellevue does not guarantee that the information on this map is accurate or complete. This data is provided on an "as is" basis and contains all warranties.

Coordinate System: State Plane, Washington North Zone, NAD83, NGRS2017 (Bellevue)



SR520 Transit and HOV Project: Northrup Way Corridor Improvements (CIP Plan No. PW-R-146)

780 Feet

Sources:
City of Bellevue

Design

2011

30% Plans + Estimate

GCA 6668

Transportation
Commission Presentation

2012

60% Plans, Specs +
Estimate

Value Engineering Study

Arts Commission
Presentation

2013

90% Plans, Specs +
Estimate

TAP Grant

Bridle Trails Community
Club Presentation

2014

100% Plans, Specs +
Estimate

SEPA + NEPA

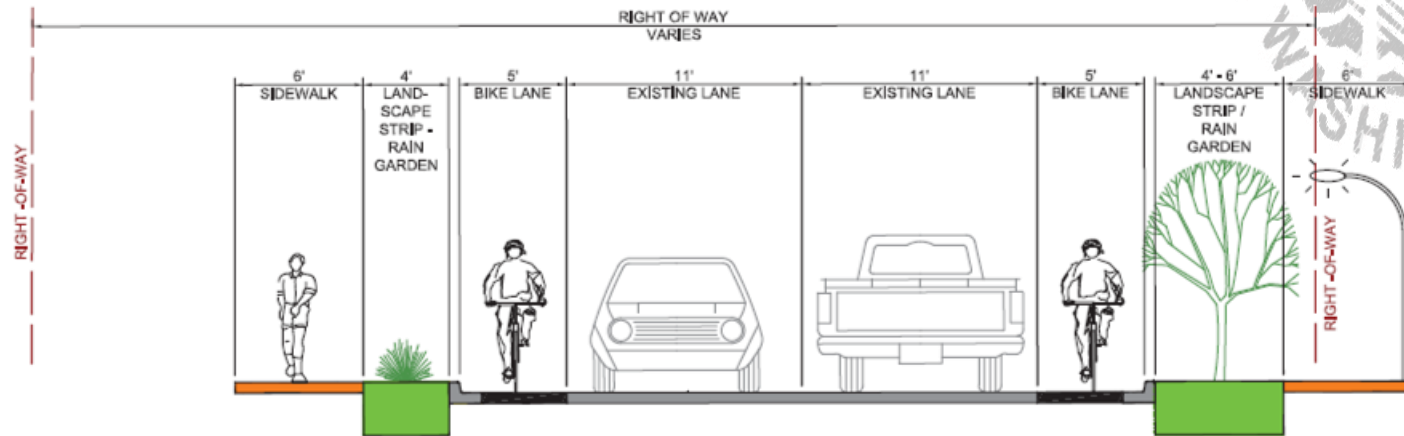
Acquisitions

Project Description

- Sidewalks and bike lanes on both sides of Northup Way
- Two midblock pedestrian crossings
- Pedestrian bridge over the BNSF
- Street lighting and traffic signal modifications
- Landscaping and wetland mitigation
- Retaining walls
- Storm drainage
- Utility services

PHASE	COST
Design	\$2,147,000
ROW	\$576,000
Construction	\$9,033,000
TOTAL	\$11,756,000
GRANT	AMOUNT
WSDOT	\$8,000,000
TAP (FHWA)	\$2,216,000
TOTAL	\$10,216,000

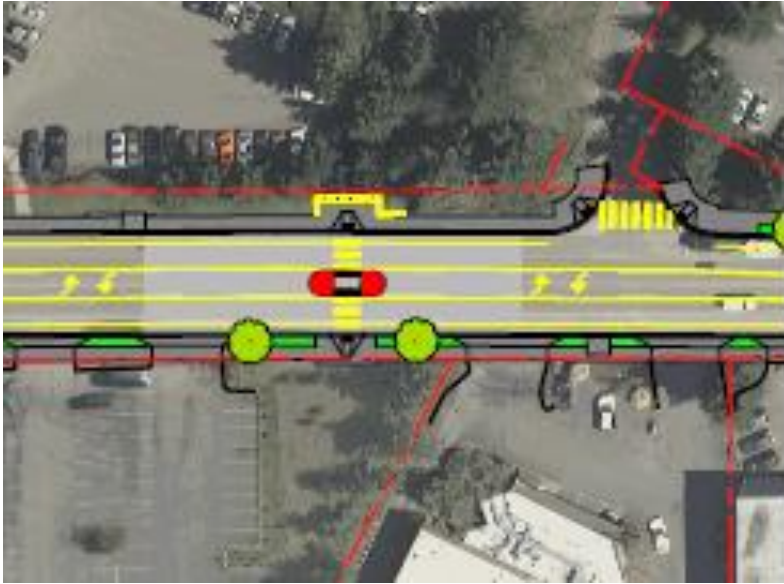
Typical Section



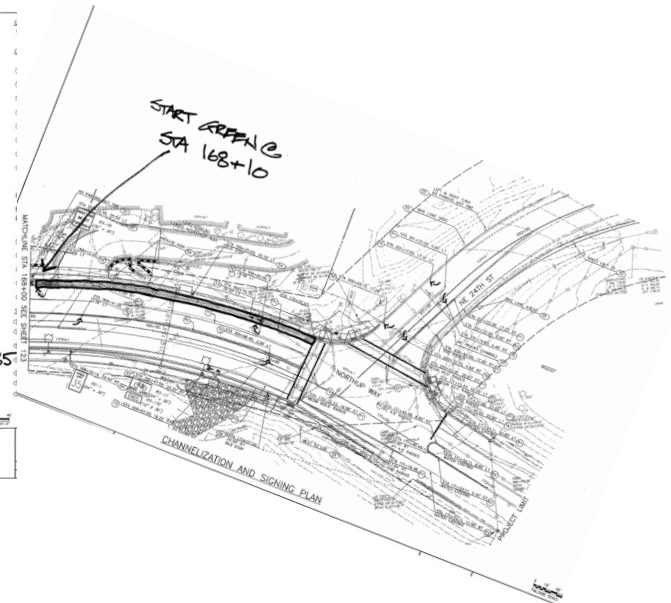
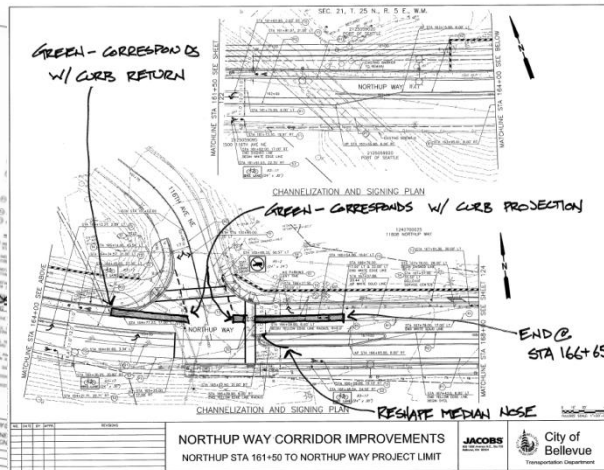
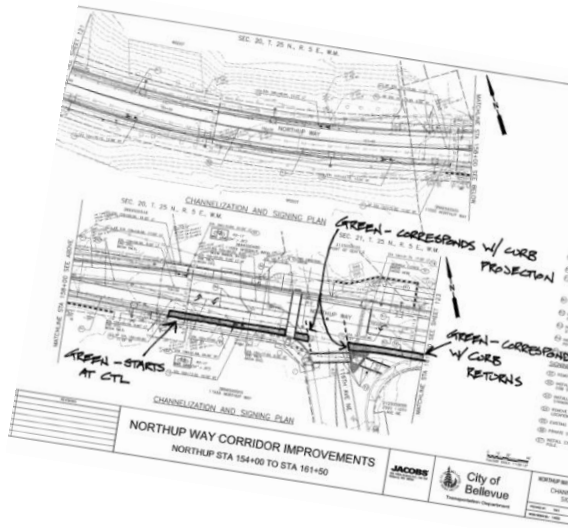
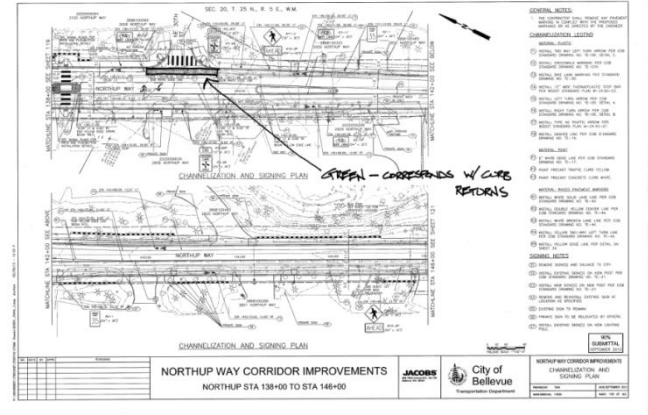
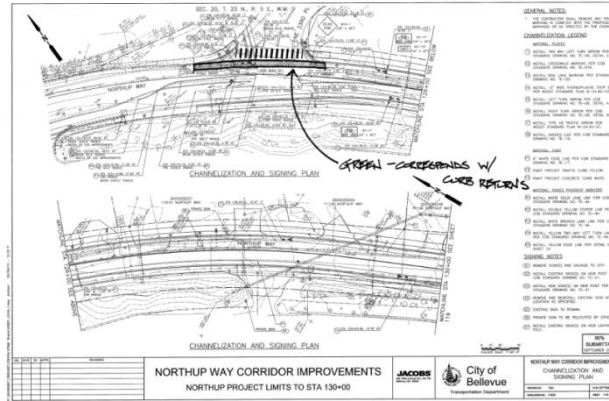
TYPICAL ROADWAY SECTION
(LOOKING EAST)



Midblock Crossings



Green Bike Lanes



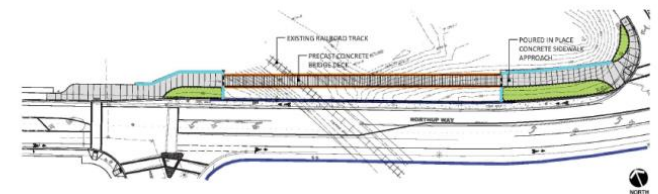
Pedestrian Bridge



PEDESTRIAN BRIDGE APPROACHES AND GUARDRAIL LOCATIONS

JULY 30, 2013

PAVING AND GUARDRAIL LOCATIONS



GUARDRAIL AND PAVING LEGEND	
	SIDEWALK APPROACHES
	BRIDGE GUARDRAILS
	RETAINING WALL GUARDRAIL
	CONCRETE BARRIER GUARDRAIL

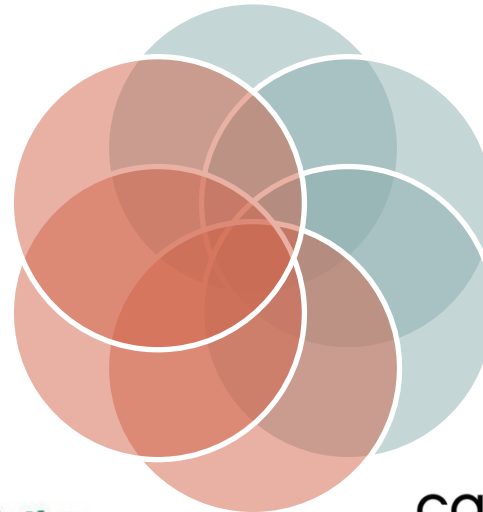
Supporters



13%
City of
Bellevue



68%
Washington State
Department of Transportation



cascade
BICYCLE CLUB



19%
U.S. Department of Transportation
Federal Highway
Administration

Collaborators



City of
Bellevue



JACOBS



Property Owners + Tenants

25

- Commercial Properties

9

- Sidewalk + Utility Easements

17

- Temporary Construction Easements

3

- Right of Entries



Pediatric Associates
Located in the Heart of Your Neighborhood

UW Medicine



SCHOENFELD
interiors

VANDER HOEK
WINDOWS & DOORS, INC.



Construction Ahead

1

• Mile of improvements

2

• Construction seasons

3

• Construction segments

4

• Franchise utilities to relocate

22

• Tree removals

25

• Commercial properties

10K

• Average Daily Traffic (ADT)

\$6.8 million

• Engineer's estimate

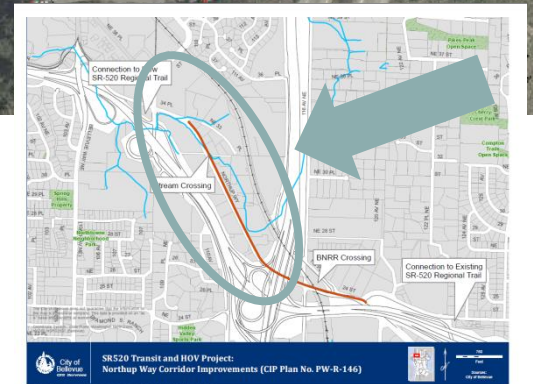
A photograph of a concrete bridge structure. The bridge has a white railing on top. Below the bridge, there is a concrete wall covered in colorful graffiti. A person wearing an orange vest is riding a bicycle on a path that runs alongside the bridge. The background shows trees and a clear sky.

Questions?

When I see an adult on a bicycle, I do not
despair for the future of the human race

H.G. Wells

West of I-405



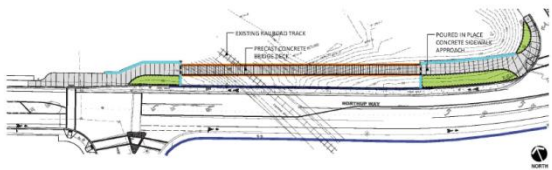
East of I-405



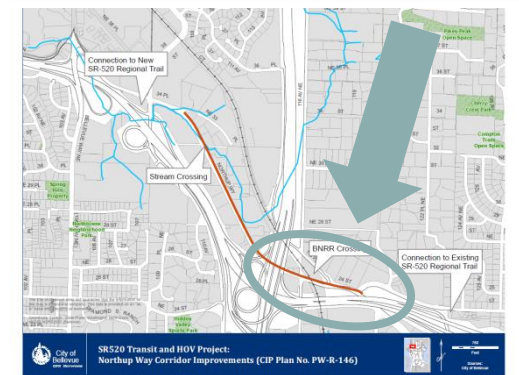
PEDESTRIAN BRIDGE APPROACHES AND GUARDRAIL LOCATIONS

JULY 30, 2013

PAVING AND GUARDRAIL LOCATIONS



GUARDRAIL AND PAVING LEGEND	
[Symbol]	EXISTING APPROACHES
[Symbol]	PROPOSED GUARDRAILS
[Symbol]	RETAINING WALL GUARDRAIL
[Symbol]	CONCRETE BARRIER GUARDRAIL



Northup Way Corridor Improvements										
PW-R-146										
Expense Code	Expense Description	DES	ROW	CON	LTD	2014	2015	2016	2017	
531200	Supplies	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 1,533.00	\$ 967.00	\$ 1,000.00	\$ 1,250.00	\$ 250.00	
540800	Courier Services	\$ 23.00	\$ -	\$ -	\$ 23.00	\$ -	\$ -	\$ -	\$ -	
541000	One Time Payments									
	US Bank Purchasing Card Program	\$ 411.00	\$ -	\$ -	\$ 411.00	\$ -	\$ -	\$ -	\$ -	
	Murray & Associates	\$ -	\$ 5,715.00	\$ -	\$ 5,715.00	\$ -	\$ -	\$ -	\$ -	
	Washington Appraisal Services	\$ -	\$ 5,000.00	\$ -	\$ 4,650.00	\$ 350.00	\$ -	\$ -	\$ -	
	TranTech Engineering LLC	\$ 79,111.00	\$ -	\$ -	\$ 79,111.00	\$ -	\$ -	\$ -	\$ -	
	William P. Ott	\$ 9,800.00	\$ -	\$ -	\$ 1,663.00	\$ 8,137.00	\$ -	\$ -	\$ -	
	Potholing pole foundations	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	
	Materials testing, federal aid inspection	\$ -	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 30,000.00	\$ 37,500.00	\$ 7,500.00	
541100	Consultant Contract & On-Call Contracts									
		\$ 387.00	\$ -	\$ -	\$ 387.00	\$ -	\$ -	\$ -	\$ -	
	HDR Engineering Architecture Inc.	\$ 3,462.00	\$ -	\$ -	\$ 3,462.00	\$ -	\$ -	\$ -	\$ -	
	Jacobs Engineering Group Inc	\$ 1,533,177.00	\$ -	\$ -	\$ 1,412,087.00	\$ 121,090.00	\$ -	\$ -	\$ -	
	KBA Inc / kristen Betty & Associates	\$ 5,000.00	\$ -	\$ -	\$ 4,074.00	\$ 926.00	\$ -	\$ -	\$ -	
	Construction support	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ 20,000.00	\$ 25,000.00	\$ 5,000.00	
	On-call inspection	\$ -	\$ -	\$ 360,000.00	\$ -	\$ -	\$ 180,000.00	\$ 180,000.00	\$ -	
541900	Outside Legal Services	\$ -	\$ 75,000.00	\$ -	\$ -	\$ -	\$ 75,000.00	\$ -	\$ -	
549200	Printing	\$ 1,000.00	\$ -	\$ 1,500.00	\$ -	\$ 1,000.00	\$ 600.00	\$ 750.00	\$ 150.00	
551900	Interagency	\$ 2,000.00	\$ -	\$ 1,000.00	\$ -	\$ 2,000.00	\$ 400.00	\$ 500.00	\$ 100.00	
561000	Land & Title Reports									
	Easements and King County, recordings, etc.	\$ -	\$ 184,991.00	\$ -	\$ 32,085.00	\$ 152,906.00	\$ -	\$ -	\$ -	
	Compensation for 79 trees	\$ -	\$ 197,500.00	\$ -	\$ -	\$ 47,500.00	\$ 100,000.00	\$ 50,000.00	\$ -	
	10pct administrative settlement for easements	\$ -	\$ 18,249.00	\$ -	\$ -	\$ 18,249.00	\$ -	\$ -	\$ -	
	Old Republic Title LTD	\$ -	\$ 15,000.00	\$ -	\$ 10,592.00	\$ 4,408.00	\$ -	\$ -	\$ -	
563000	Construction Contract - General									
	100pct construction estimate (plus DCVA & guardrail)	\$ -	\$ -	\$ 6,752,073.00	\$ -	\$ -	\$ 3,038,432.85	\$ 3,038,432.85	\$ 675,207.30	
	10pct contingency	\$ -	\$ -	\$ 675,207.30	\$ -	\$ -	\$ -	\$ -	\$ 665,207.30	
591000	Police Flagging	\$ -	\$ -	\$ 100,000.00	\$ -	\$ -	\$ 40,000.00	\$ 50,000.00	\$ 10,000.00	
591200	Permits									
	Permits (DES)	\$ 30,000.00	\$ -	\$ -	\$ 8,123.00	\$ 21,877.00	\$ -	\$ -	\$ -	
	Permits (CON)	\$ -	\$ -	\$ 2,500.00	\$ -	\$ -	\$ 1,000.00	\$ 1,250.00	\$ 250.00	
	Cascade Water Alliance	\$ 30,025.00	\$ -	\$ -	\$ -	\$ 30,025.00	\$ -	\$ -	\$ -	
591600	Interfund Labor Distribution									
	Interfund Labor Distribution (DES)	\$ 400,000.00	\$ -	\$ -	\$ 362,962.00	\$ 37,038.00	\$ -	\$ -	\$ -	
	Interfund Labor Distribution (ROW)	\$ -	\$ 75,000.00	\$ -	\$ 38,135.00	\$ 11,865.00	\$ 25,000.00	\$ -	\$ -	
	Interfund Labor Distribution (CON)(15pct of estimate)	\$ -	\$ -	\$ 1,012,810.95	\$ -	\$ 15,000.00	\$ 455,764.93	\$ 455,764.93	\$ 86,281.10	
592600	Interfund Services/Transfers	\$ 324.00	\$ -	\$ -	\$ 324.00	\$ -	\$ -	\$ -	\$ -	
Total		\$ 11,756,266.25	\$ 2,147,220.00	\$ 576,455.00	\$ 9,032,591.25	\$ 1,965,337.00	\$ 523,338.00	\$ 3,967,197.78	\$ 3,840,447.78	\$ 1,449,945.70
Last		\$ 11,754,540.25	\$ 2,145,494.00	\$ 576,455.00	\$ 9,032,591.25					
Budget										
WSDOT	\$	8,000,000.00								
TAP grant	\$	2,215,820.00								
W/B-56 match	\$	500,000.00								
	\$	10,715,820.00								
DELTA	\$	(1,040,446.25)								

ID	Task Name	Duration	Start	Finish	'10	'11	'12	'13	'14	'15	'16	'17	'18
0	XSR520 Interim Regional Trail	1296 days	Wed 1/12/11	Wed 12/30/15									
1	GCA 6668 Endorsement by Bellevue and WSDOT	2.5 mons	Tue 2/22/11	Mon 5/2/11	2/22								
2	DESIGN	996 days	Wed 1/12/11	Wed 11/5/14									
3	30% Plans & Estimate	222 days	Wed 1/12/11	Thu 11/17/11									
17	GCA 6668 Amendment #1	0.45 mons	Mon 12/19/11	Thu 12/29/11									
18	Grant application materials	2.7 mons	Wed 1/11/12	Mon 3/26/12					12/15				
19	GCA 6668 Amendment #2	4.2 mons	Mon 2/27/12	Thu 6/21/12	1/11								
20	Value Engineering Study	23 days	Mon 5/14/12	Wed 6/13/12	2/27								
23	60% PS&E	206 days	Thu 3/1/12	Thu 12/13/12									
33	GCA 6668 Amendment #3	2.65 mons	Fri 1/4/13	Tue 3/19/13									
34	90% PS&E	205 days	Thu 12/20/12	Wed 10/2/13									
41	100% PS&E	60 days	Mon 5/5/14	Fri 7/25/14						5/5			
42	Deadline to submit PS&E to DOT	1 day	Fri 8/1/14	Fri 8/1/14						8/1			
43	Develop Bid Documents	3 wks	Thu 10/16/14	Wed 11/5/14						10/16			
44	PERMITS	421 days	Mon 5/13/13	Mon 12/22/14									
45	COB	308 days	Mon 8/12/13	Wed 10/15/14									
46	SEPA	222 days	Thu 9/19/13	Fri 7/25/14						9/19			
47	Clearing & Grading (13-130296 GD)	120 days	Wed 9/25/13	Tue 3/11/14						9/25			
48	Critical Areas Land Use (13-124355 LO)	211 days	Thu 9/19/13	Thu 7/10/14						9/19			
49	ROW Use (14-136508 TK)	9.4 wks	Mon 7/14/14	Tue 9/16/14						7/14			
50	Fire Department (14-142736 FD)	1 day	Wed 10/15/14	Wed 10/15/14						10/15			
51	Utility Developer Extension (13-122464 UE)	20 wks	Mon 8/12/13	Fri 12/27/13						8/12			
52	NEPA	255 days	Thu 10/24/13	Wed 10/15/14									
56	Clean Water Act (CWA) Section 404 Compliance	3 mons	Tue 9/30/14	Mon 12/22/14						9/30			
57	Hydraulic Project Approval (HPA)	34 days	Wed 7/2/14	Mon 8/18/14						7/2			
58	WSDOT construction permit	2 mons	Thu 9/25/14	Wed 11/19/14						9/25			
59	King County	375 days	Mon 5/13/13	Fri 10/17/14									
62	ROW	414 days	Fri 6/14/13	Wed 1/14/15									
72	CONDEMNATION	430 days	Mon 4/28/14	Fri 12/18/15									
80	CONSTRUCTION	398 days	Mon 6/23/14	Wed 12/30/15									
81	GCB 1896	2 mons	Mon 6/23/14	Fri 8/15/14						6/23			
82	National Pollutant Discharge Elimination System (NPDES)	2 mons	Thu 2/5/15	Wed 4/1/15						2/5			
83	Deadline to submit Construction Obligation Packet to DOT	0 days	Fri 8/15/14	Fri 8/15/14									
84	DOT approval of Construction Obligation Packet	3 wks	Thu 1/15/15	Wed 2/4/15						1/15			
85	Advertisement and Bid Opening	3 wks	Thu 2/5/15	Wed 2/25/15						2/5			
86	Construction Award Agenda Memo	6 wks	Thu 11/6/14	Wed 12/17/14						11/6			
87	Construction Contract Award by Council	0 days	Wed 2/25/15	Wed 2/25/15									
88	Private Utility Relocations	2 mons	Thu 2/5/15	Wed 4/1/15						2/5			
89	Preconstruction Activities	2 mons	Thu 2/26/15	Wed 4/22/15						2/26			
90	Pre-Order Signal Poles	6 mons	Thu 2/26/15	Wed 8/12/15						2/26			
91	Construction	180 days	Thu 4/23/15	Wed 12/30/15									

Project: XSR520 Interim Regional Trail
Date: Thu 12/11/14

Critical Split	.....	Summary	.....	External Tasks	.....	Manual Task	.....	Deadline	↓
Task	.....	Rolled Up Task	.....	Project Summary	.....	Duration-only	.....	Critical	.....
Task Progress	.....	Rolled Up Critical Task	.....	Group By Summary	.....	Manual Summary Rollup	.....	
Critical Task	.....	Rolled Up Milestone	.....	Inactive Task	.....	Manual Summary	.....	
Critical Task Progress	.....	Rolled Up Progress	.....	Inactive Milestone	.....	Start-only	.....	
Milestone	.....	Split	.....	Inactive Summary	.....	Finish-only	.....	