

2017 Freight System Plan & Freight Investment Plan

Washington State Freight Advisory
Committee (WAFAC) Meeting

October 3, 2017



The image shows the cover of the "2017 Freight System Plan and Freight Investment Plan". The cover is teal-colored with white text. At the top right, it says "DRAFT". In the top left, there is a small WSDOT logo and the text "Washington State Department of Transportation". The main title "Washington State FREIGHT SYSTEM PLAN" is in large, bold, white capital letters. Below it, in smaller white text, is "Technical Update to the 2014 FREIGHT MOBILITY PLAN". The cover features six small photographs of freight transportation: a semi-truck, a train, a ship, an airplane, a FedEx delivery truck, and a barge.

We can meet this challenge together

Introductions

WAFAC members are participating:

- at PSRC headquarters (Seattle)
- over the phone

Joining by webinar:

- Install BlueJeans browser plug in: <http://bluejeans.com/downloads>
- Connect to the BlueJeans (WAFAC) meeting: <https://bluejeans.com/839184836>

Joining by PHONE ONLY: dial and enter conference ID

- 1) [Direct-dial with my iPhone](#) or [+1.408.740.7256](tel:+1.408.740.7256) (United States) or [+1.888.240.2560](tel:+1.888.240.2560) (US Toll Free) or [+1.408.317.9253](tel:+1.408.317.9253)
(Alternate number)
- 2) Enter Meeting ID: 839 184 836
- 3) Press #

Reminder: Please remember to mute your audio lines when you're not speaking

Freight System Plan Purpose

Economy:

- Washington is second most **trade-dependent** state in the nation
 - 11,352 small and medium-sized goods exporters
 - \$126.8 billion in total imports and exports value
- The **freight-dependent** industries have a major economic effect
 - 1.41 million jobs in freight-dependent industries (wholesale/retail, manufacturing, construction, transportation, agriculture, forest products)
 - \$550.5 billion in gross business income for freight-dependent sectors

Federal and State requirements

Update freight planning activities



Components of 2017 Freight System Plan

Freight System Plan includes:

- Freight Investment Plan
- Marine Ports and Navigation Plan

Freight Components in Washington:

- Global Gateway - access to international markets
- Made in Washington - manufactured or produced in Washington
- Delivering Goods to You - representing local freight delivery

The freight transportation system in Washington has three integral components:



Global Gateways:
Providing freight access to international markets

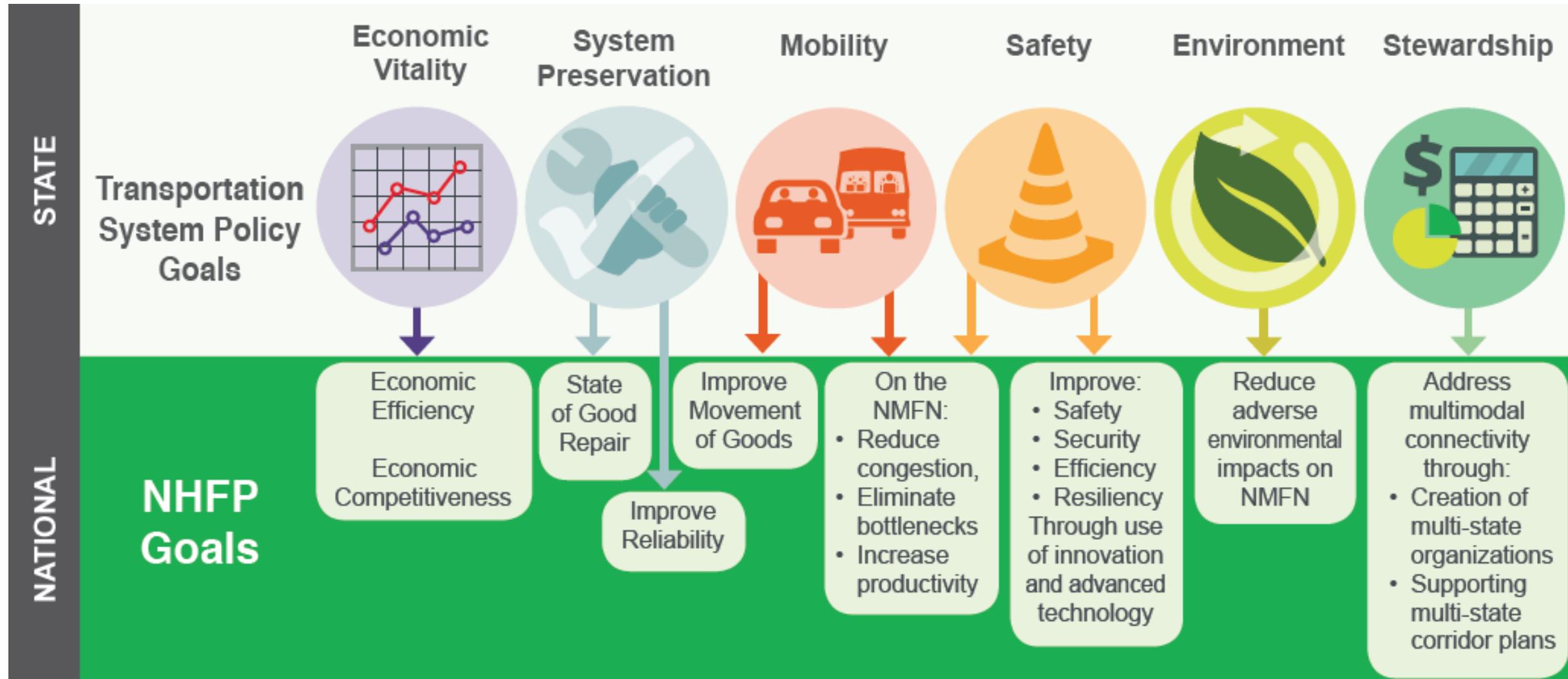


Made in Washington:
Freight that is manufactured or produced in Washington



Delivering Goods to You:
Representing local freight delivery for business and residents

Plan and Evaluation Criteria Aligned with NHFP Goals and State Goals



Freight System Plan Outreach Summary

- Public review: August 15 to September 14. 470 total comments received
- WAFAC: 5 meetings in 2017
- MPOs/RTPOs: 15 presentations to policy boards and technical advisory committees (2 more planned), in addition 4 presentations to MPO/RTPO freight-focused committees
- Regional Transportation Coordination groups: 6 presentations (1 more planned)
- Tribes: 3 presentations to the Tribal Transportation Planning Organization
- FHWA: Bi-weekly coordination meetings (March through September)
- Other meetings:
 - Government agencies: US DOT Maritime Administration, Washington Transportation Commission, Port of Seattle (air cargo), NWSA
 - Associations: Washington Public Ports Association, Pacific Northwest Waterways Association, Seattle Freight Advisory Board
 - Private business: Boyer Towing

Freight System Plan

Examples of Comments Received

Economic Vitality

- Highlight lessons learned and discuss strategies to address port competition
- Provide examples of land use and freight transportation compatibility

Preservation

- Discuss oversize/overweight freight movement and its impact to the economy
- Include more discussion of strategies to address infrastructure funding needs



Freight System Plan

Examples of Comments Received

Safety

- More work needed to identify and prioritize truck parking solutions
- Expand at-grade crossing and road-rail conflict discussion

Mobility

- Update air cargo information and discuss factors influencing demand for air cargo services



Freight System Plan

Examples of Comments Received

Environment

- Consider safety rest area truck parking electrification

Stewardship

- Improve freight transportation data
- Incentivize use of freight mobility corridors through tolling structure



Marine Ports and Navigation Plan

Examples of Comments Received

- Provide more descriptive and more accurate information about the marine system and ports
- Include examples of Washington marine industry successes and competitive advantages
- Expand the discussion of funding and related issues, especially the Harbor Maintenance Trust Fund
- Include information from the Marine Cargo Forecast
- Add more information about oversized freight (superload) corridors



Freight Investment Plan

- Requires prioritized, financially-constrained freight project list
- Plan must show projects funded and/or to be funded with NHFP funding and required match for FFY 2016-2020
 - ✓ Projects funded for FFY 2016 and FFY 2017
 - ✓ Projects validated and awarded for FFY 2018
- **FFY 2019 – 2020 Freight project validation and system benefit evaluation**

Note: FFY 2020 NHFP funding must be accounted for in the freight investment plan, but is subject to future appropriation by the legislature

FFY 2019-2020 Freight Project Validation

- Request for information sent from WSDOT to project owners on 8/14
- Webinar hosted on 8/30 with project owners
- Project validation form submittals were due by 9/5
- Information for 55 projects was received:
 - 44 on Tier 1 list, 11 on Tier 2 or 3 list
 - 13 multimodal, and 42 roadway projects
 - 40 city/county/port projects, and 15 WSDOT projects
 - Total funding request at \$791.5 million

FFY 2019-2020 Freight Project Benefit Evaluation

- The following approach was used to evaluate projects for freight system benefits:
 - **Qualitative** assessment of submitted responses to 11 questions
 - yes/no or high, medium, or low values assigned to evaluation criteria
 - **Quantitative** assessment based on quantitative measures using 9 criteria
 - GIS analysis based on project locations

[Material for discussion: Freight Project Validation Evaluation Criteria and Measures]

Freight System Benefit Evaluation Tool

- Excel based project ranking tool
 - Data clearinghouse for validation information
 - Scoring projects
 - Weighting and ranking
- Six weighted scenarios and one unweighted scenario, where each was given equal weight, was analyzed
 - Consistent with the six state Transportation System Policy Goals and NHFP Goals

[Material for demonstration/discussion: Freight System Benefit Evaluation Tool]

FFY 2019-2020 Freight Project Discussion

- Project scenario discussion
 - Importance of project readiness
 - Importance of freight system benefits

Unconstrained Freight Project List

- Discussion of unconstrained list of freight projects beyond 2020:
 - Eligibility for NHFP beyond 2020
 - Eligibility for TIGER, INFRA beginning in 2018
 - Unfunded, unconstrained, and unvalidated projects from the 2016 call for projects

Questions?



For more information,
please contact:

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Documents will be available at the
WSDOT freight site:
<http://www.wsdot.wa.gov/freight/>

Freight Project Validation Evaluation Criteria and Measures

Transportation System Policy Goals	Measure Areas	Evaluation Criteria (qualitative measures in orange, quantitative measures in gray)	Measures	Points
Economic Vitality (100 possible points)	Local, regional, and state economy and employment	Support economy (e.g., improved freight movement to domestic and international markets in terms of products, industries, direct employment) and promotes employment (e.g., number of jobs affected by the improved access to employment centers).	High: High economic and employment benefits Medium: Medium economic and employment benefits Low: Low economic and employment benefits No: No economic and employment benefits	25 16.67 8.33 0
		Project located on or providing connection to state designated freight economic corridors (truck, freight rail, or waterway)	High: T1 Freight Economic Corridor Medium: T2 Freight Economic Corridor Low: Alternate route Lowest: First or last mile No: Not on a Freight Economic Corridor	25 18.75 12.5 6.25 0
	Intermodal connectivity between different freight modes	Improve intermodal connectivity between different freight modes (i.e., freight movement between truck, port, rail, or airport)	High: High connectivity benefits Medium: Medium connectivity benefits Low: Low connectivity benefits No: No connectivity benefits	25 16.67 8.33 0
		Connectivity analysis of projects providing to freight intermodal facilities (proximity to project location)	High: High number of facilities within 5 miles Medium: Medium number of facilities within 5 miles Low: Low number of facilities within 5 miles No: No facilities within 5 miles	25 16.67 8.33 0
	State of good repair of freight infrastructure	Improve the state of good repair of freight infrastructure (e.g., roadways, bridges, railroads, marine system, air cargo system)	High: High preservation benefits Medium: Medium preservation benefits Low: Low preservation benefits No: No preservation benefits	50 33.34 16.66 0
		Assessment of existing pavement, bridge, or infrastructure condition data of project locations	High: On a segment of Poor or Very Poor pavement Medium: On a segment of Fair pavement Low: On a segment of Good or Very Good pavement No: No data	50 33.34 16.66 0
Safety (100 possible points)	Fatalities or Serious Injuries on freight facility	Prevent incidents, or reduces fatalities and serious injuries on a freight facility	High: High safety benefits Medium: Medium safety benefits Low: Low safety benefits No: No safety benefits	20 13.34 6.66 0
		Hotspot analysis of projects on roadway segments with serious injuries/fatalities in the 5-year period	High: High number of serious injuries/fatalities Medium: Medium number of serious injuries/fatalities Low: Low number of serious injuries/fatalities No: No serious injuries/fatalities	20 13.33 6.67 0
	Truck Parking	Improve truck parking (e.g., operational enhancement to existing facilities, use traveler information system to provide truck parking information to drivers, increase number of truck parking spaces)	High: High truck parking benefits Medium: Medium truck parking benefits Low: Low truck parking benefits No: No truck parking benefits	20 13.34 6.66 0
	Conflict between freight modes or between truck traffic and other roadway users	Reduce conflicts between freight modes, or between freight and passenger modes (i.e. build grade separation to reduce truck/rail conflicts, construct truck climbing lanes or pedestrian overpass to reduce conflict between truck traffic and other roadway users)	High: High reduction of conflicts Medium: Medium reduction of conflicts Low: Low reduction of conflicts No: No reduction of conflicts	20 13.34 6.66 0
	Freight system security	Analysis of projects on federally designated Strategic Highway Network (STRAHNET) or Strategic Rail Corridor Network (STRACNET)	Yes: On STRAHNET/STRACNET No: Not on STRAHNET/STRACNET	20 0

Transportation System Policy Goals	Measure Areas	Evaluation Criteria (qualitative measures in orange, quantitative measures in gray)	Measures	Points
Mobility (100 possible points)	Freight congestion and bottlenecks	Reduce congestion and reduce truck bottlenecks	High: High congestion/bottleneck reduction benefits Medium: Medium congestion/bottleneck reduction benefits Low: Low congestion/bottleneck reduction benefits No: No congestion/bottleneck reduction benefits	50 33.34
		Analysis of projects using mobility screening results to identify whether a project is on a congested corridor, roadway, or segment	Yes: On a congested segment No: Not on a congested segment	16.66 0
Environment (100 possible points)	Diesel emissions from modal shift or improving traffic flow	Reduce diesel emissions (e.g., shift truck traffic to trains or ships, improve traffic flow and alleviate congestions on existing corridors, reduce truck queuing or idling within/outside intermodal terminals)	High: High emissions reduction benefits Medium: Medium emissions reduction benefits Low: Low emissions reduction benefits No: No emissions reduction benefits	25 16.67 8.33 0
		Analysis of projects in close proximity to communities identified as vulnerable (e.g., Environmental Justice Communities)	Yes: In an EJ area (PM2.5 EJ Index) No: Not in an EJ area	25 0
	Climate Impacts Vulnerability Assessment	Reduce vulnerability of climate impacts (e.g., sea level rise, flooding, landslides)	High: High reduction of vulnerability Medium: Medium reduction of vulnerability Low: Low reduction of vulnerability No: No reduction of vulnerability	25 16.67 8.33 0
		Analysis of projects on routes identified as vulnerable for climate change (Climate Impact Vulnerability Assessment results)	High: High vulnerability Medium: Moderate vulnerability Low: Low vulnerability No: No data	25 16.67 8.33 0
Stewardship (100 possible points)	Freight system resiliency	Improve freight system resiliency (i.e., strengthen infrastructure to reduce likelihood of failure/closure due to severe weather, natural disaster, or other disruptions)	High: High improvement to resiliency Medium: Medium improvement to resiliency Low: Low improvement to resiliency No: No improvement to resiliency	33 22 11 0
	Financial support by project owners	Analysis of percent of project cost with a funding match (other than NHFP fund)	High: 40% or greater non-federal match Medium: 20% to 40% non-federal match Low: Minimum (13.5% for non-Interstates, 9.33% for Interstates) to 20% non-federal match No: Less than minimum non-federal match	34 22.67 11.33 0
	Lowest cost/ lifecycle cost consideration	Focus on the specific project need and look for lowest cost solutions/lifecycle cost	High: High consideration of lowest cost Medium: Medium consideration of lowest cost Low: Low consideration of lowest cost No: No consideration of lowest cost	33 22 11 0

Legend:

Qualitative Assessment
Quantitative Assessment

Scenario 5: Environment

Rank	Project Name	Owner	ID	2016 Tier	Project Type	Total Score	Funding Request (\$)				Unsecured Fund (\$)
							PE	ROW	CN	Total	
1	I-5 and 54th Avenue E Interchange Improvement Project	City of Fife	63	1	Roadway	73	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000	\$ 41,300,000
2	POT Road Interchange Modification - Phase II (formerly Phase III, see below)	City of Fife	55	2	Roadway	73	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ 9,700,000
3	Port Community Technology System (PCTS)	NWSA	12	1	Multimodal	66	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 4,500,000
4	I-5/NB I-90 to SR 520 - Active Traffic Management	WSDOT	168	3	Roadway	57	\$ -	\$ -	\$ 10,558,865	\$ 10,558,865	\$ -
5	SR 410 Traffic Ave/E Main	City of Sumner	49	1	Roadway	54	\$ -	\$ -	\$ 12,800,000	\$ 12,800,000	\$ -
6	I-5/NB Seneca St to Olive Way - Mobility Improvements	WSDOT	151	2	Roadway	53	\$ -	\$ -	\$ 4,789,939	\$ 4,789,939	\$ -
7	SR 432 Corridor Improvements - Phase II	City of Longview	40	1	Roadway	52	\$ 920,000	\$ 2,076,000	\$ 2,304,000	\$ 5,300,000	\$ -
8	Taylor Way Rehabilitation	City of Tacoma	47	1	Roadway	52	\$ -	\$ -	\$ 13,473,740	\$ 13,473,740	\$ -
9	Stewart Road Bridge	City of Sumner	94	1	Roadway	51	\$ 600,000	\$ 1,020,000	\$ 18,880,000	\$ 20,500,000	\$ 19,930,000
10	Portland Ave Corridor Improvements	City of Tacoma	89	1	Roadway	50	\$ 1,200,000	\$ -	\$ 5,800,000	\$ 7,000,000	\$ -
11	Union Gap Regional Beltway Connector	City of Union Gap	50	1	Roadway	49	\$ 990,000	\$ 1,000,000	\$ 15,560,000	\$ 17,550,000	\$ -
12	SR 501/I-5 to SW 26th St Ext Vic Including Couplet - Paving	WSDOT	140	1	Roadway	48	\$ 72,498	\$ -	\$ 1,696,042	\$ 1,768,540	\$ -
13	SR 167/Northbound Pierce County Line to 15th St SW - Paving	WSDOT	135	1	Roadway	47	\$ -	\$ -	\$ 1,464,164	\$ 1,464,164	\$ -
14	North Sea-Tac Cargo Facility Access	Port of Seattle	64	1	Multimodal	46	\$ 5,737,500	\$ -	\$ 36,762,500	\$ 42,500,000	\$ -
15	I-5/Northbound SR 104 Vicinity to 212th St SW Vicinity - Paving	WSDOT	146	1	Roadway	45	\$ -	\$ -	\$ 3,244,996	\$ 3,244,996	\$ -
16	Kalama Methanol Manufacturing and Exporting Facility (KMMEF) - Dock	Port of Kalama	23	1	Multimodal	43	\$ -	\$ -	\$ 10,750,000	\$ 10,750,000	\$ -
17	Industrial Rail Corridor Expansion	Port of Longview	59	1	Multimodal	41	\$ -	\$ 1,500,000	\$ 5,800,000	\$ 7,300,000	\$ 42,300,000
18	Terminal 5 Improvements	NWSA	66	1	Multimodal	41	\$ -	\$ -	\$ 100,000,000	\$ 100,000,000	\$ 266,100,000
19	8th St E/54th Ave E Intersection Improvements	City of Fife	75	1	Roadway	41	\$ 95,438	\$ 190,300	\$ 960,396	\$ 1,246,134	\$ 194,483
20	Big Pasco Intermodal Rail Reconstruction	Port of Pasco	31	1	Multimodal	40	\$ -	\$ -	\$ 1,300,000	\$ 1,300,000	\$ -
21	Barker Road/BNSF Grade Separation Project	City of Spokane Valley	57	1	Roadway	39	\$ -	\$ -	\$ 9,949,679	\$ 9,949,679	\$ -
22	Argonne Rd & I-90 IC Bridge Widening	City of Spokane Valley	87	3	Roadway	37	\$ 1,038,000	\$ -	\$ 5,882,000	\$ 6,920,000	\$ 1,080,000
23	I-90/George East - Paving	WSDOT	143	1	Roadway	37	\$ 369,177	\$ -	\$ 9,589,509	\$ 9,958,686	\$ -
	Improvements to Tradewinds and Eastwind Roads required to support the development of the Kalama Methanol Manufacturing and Exporting Facility	Port of Kalama	7	1	Multimodal	36	\$ -	\$ -	\$ 700,000	\$ 700,000	\$ -
24	E Marginal Way / S Hanford St Intersection Improvements	Seattle DOT	90	1	Roadway	35	\$ 1,610,000	\$ -	\$ 5,852,000	\$ 7,462,000	\$ -
25	Tideflats Area ITS backbone	City of Tacoma	37	1	Roadway	35	\$ 800,000	\$ 320,000	\$ 2,080,000	\$ 3,200,000	\$ 500,000
26	US395/Ridgeline Drive Interchange	City of Kennewick / WSDOT	42	1	Roadway	34	\$ 1,235,052	\$ 1,389,917	\$ 3,375,031	\$ 6,000,000	\$ -
27	Hood River Bridge Replacement	Port of Hood River	112	1	Roadway	33	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000	\$ 300,022,000
28	Argonne Road Concrete Pavement, Indiana to Montgomery	City of Spokane Valley	81	1	Roadway	32	\$ 386,447	\$ 34,600	\$ 2,799,348	\$ 3,220,395	\$ 502,605
29	Bigelow Gulch/Forker Connector-Project 2; CRP 2620	Spokane County Public Works	44	1	Roadway	32	\$ -	\$ 500,000	\$ 7,499,000	\$ 7,999,000	\$ -
31	Bigelow Gulch Road - Project 4; CRP 2989	Spokane County Public Works	16	1	Roadway	31	\$ -	\$ -	\$ 4,191,493	\$ 4,191,493	\$ -
32	Bigelow Gulch/Forker Connector - Project 5; CRP 2990	Spokane County Public Works	41	1	Roadway	31	\$ -	\$ 500,000	\$ 5,045,193	\$ 5,545,193	\$ -
33	Bigelow Gulch/Forker Connector - Project 6; CRP 2991	Spokane County Public Works	86	2	Roadway	31	\$ 346,000	\$ 1,816,000	\$ 4,808,000	\$ 6,970,000	\$ -
34	South Terminal Expansion Project -- Yard and Wharf Improvements	Port of Everett	56	1	Multimodal	30	NA	NA	\$ 15,000,000	\$ 15,000,000	\$ 15,200,000
35	6th Ave S / Industrial Way Intersection Reconstruction	Seattle DOT	29	1	Roadway	30	\$ -	\$ -	\$ 800,000	\$ 800,000	\$ -
36	Terminal 5 Access Improvements	NWSA	15	1	Multimodal	30	\$ -	\$ -	\$ 1,600,000	\$ 1,600,000	\$ 4,380,240
37	I-90/East of Snoqualmie Pass Interchange - Paving	WSDOT	127	1	Roadway	29	\$ 18,433	\$ -	\$ 4,169,968	\$ 4,188,401	\$ -
37	I-90/Moses Lake West WB Lanes - Paving	WSDOT	147	1	Roadway	29	\$ 328,848	\$ -	\$ 4,568,140	\$ 4,896,988	\$ -
39	Blair Hylebos Rail Improvements	NWSA	20	1	Multimodal	29	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 38,899,965
40	I-90/North Bend to Thorp Vic - Rehab Concrete	WSDOT	132	1	Roadway	28	\$ -	\$ -	\$ 10,422,281	\$ 10,422,281	\$ -
41	I-90/Yakima River Bridge W of Ellensburg WB - Deck Rehabilitation	WSDOT	136	1	Roadway	27	\$ -	\$ -	\$ 11,597,316	\$ 11,597,316	\$ -
42	Terminal 91 Uplands Access	Port of Seattle / City of Seattle	91	2	Multimodal	26	\$ 1,297,500	\$ -	\$ 7,352,500	\$ 8,650,000	\$ -
43	Spotted Road Realignment and Interchange Project	Spokane Airports	88	1	Multimodal	26	\$ -	\$ -	\$ 8,000,000	\$ 8,000,000	\$ 1,000,000
44	"I" Street and 6th Avenue Construction	City of Yakima	82	2	Roadway	25	\$ 346,000	\$ 173,000	\$ 2,941,000	\$ 3,460,000	\$ 540,000
45	Bridge and 2nd Street Intersection	City of Clarkston	68	2	Roadway	25	\$ 96,000	\$ 88,000	\$ 548,800	\$ 732,800	\$ -
46	Sullivan Road Bridge	City of Spokane Valley	93	3	Roadway	24	\$ 2,335,500	\$ -	\$ 15,267,250	\$ 17,602,750	\$ 2,747,250
47	Southway Bridge	Asotin County	73	2	Roadway	23	\$ -	\$ -	\$ 659,388	\$ 659,388	\$ -
48	West Marine View Dr. (SR 529) Bulkhead Rebuild	Port of Everett	72	1	Multimodal	21	NA	NA	\$ 1,000,000	\$ 1,000,000	\$ 697,000
49	Freya Street in The Yard	City of Spokane	78	2	Roadway	18	\$ 105,590	\$ 1,480,123	\$ -	\$ 1,585,713	\$ 1,214,287
50	I-90/Cle Elum River Bridge EB & WB - Bridge Painting	WSDOT	144	1	Roadway	18	\$ 486,436	\$ -	\$ 5,971,389	\$ 6,457,825	\$ -

Note: for WAFAC discussion purpose only

Scenario 6: Stewardship

Rank	Project Name	Owner	ID	2016 Tier	Project Type	Total Score	Funding Request (\$)				Unsecured Fund (\$)
							PE	ROW	CN	Total	
1	Port Community Technology System (PCTS)	NWSA	12	1	Multimodal	74	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 4,500,000
1	POT Road Interchange Modification - Phase II (formerly Phase III, see below)	City of Fife	55	2	Roadway	74	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ 9,700,000
3	Taylor Way Rehabilitation	City of Tacoma	47	1	Roadway	70	\$ -	\$ -	\$ 13,473,740	\$ 13,473,740	\$ -
4	Barker Road/BNSF Grade Separation Project	City of Spokane Valley	57	1	Roadway	69	\$ -	\$ -	\$ 9,949,679	\$ 9,949,679	\$ -
5	Stewart Road Bridge	City of Sumner	94	1	Roadway	65	\$ 600,000	\$ 1,020,000	\$ 18,880,000	\$ 20,500,000	\$ 19,930,000
6	SR 410 Traffic Ave/E Main	City of Sumner	49	1	Roadway	62	\$ -	\$ -	\$ 12,800,000	\$ 12,800,000	\$ -
7	Kalama Methanol Manufacturing and Exporting Facility (KMMEF) - Dock	Port of Kalama	23	1	Multimodal	62	\$ -	\$ -	\$ 10,750,000	\$ 10,750,000	\$ -
8	I-5 and 54th Avenue E Interchange Improvement Project	City of Fife	63	1	Roadway	61	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000	\$ 41,300,000
9	Southway Bridge	Asotin County	73	2	Roadway	59	\$ -	\$ -	\$ 659,388	\$ 659,388	\$ -
10	Tideflats Area ITS backbone	City of Tacoma	37	1	Roadway	50	\$ 800,000	\$ 320,000	\$ 2,080,000	\$ 3,200,000	\$ 500,000
11	SR 432 Corridor Improvements - Phase II	City of Longview	40	1	Roadway	50	\$ 920,000	\$ 2,076,000	\$ 2,304,000	\$ 5,300,000	\$ -
12	Big Pasco Intermodal Rail Reconstruction	Port of Pasco	31	1	Multimodal	49	\$ -	\$ -	\$ 1,300,000	\$ 1,300,000	\$ -
13	Terminal 5 Improvements	NWSA	66	1	Multimodal	49	\$ -	\$ -	\$ 100,000,000	\$ 100,000,000	\$ 266,100,000
14	Terminal 5 Access Improvements	NWSA	15	1	Multimodal	49	\$ -	\$ -	\$ 1,600,000	\$ 1,600,000	\$ 4,380,240
15	Union Gap Regional Beltway Connector	City of Union Gap	50	1	Roadway	48	\$ 990,000	\$ 1,000,000	\$ 15,560,000	\$ 17,550,000	\$ -
16	Bigelow Gulch/Forker Connector - Project 5; CRP 2990	Spokane County Public Works	41	1	Roadway	48	\$ -	\$ 500,000	\$ 5,045,193	\$ 5,545,193	\$ -
17	Argonne Road Concrete Pavement, Indiana to Montgomery	City of Spokane Valley	81	1	Roadway	47	\$ 386,447	\$ 34,600	\$ 2,799,348	\$ 3,220,395	\$ 502,605
18	I-5/NB I-90 to SR 520 - Active Traffic Management	WSDOT	168	3	Roadway	47	\$ -	\$ -	\$ 10,558,865	\$ 10,558,865	\$ -
19	North Sea-Tac Cargo Facility Access	Port of Seattle	64	1	Multimodal	47	\$ 5,737,500	\$ -	\$ 36,762,500	\$ 42,500,000	\$ -
20	South Terminal Expansion Project -- Yard and Wharf Improvements	Port of Everett	56	1	Multimodal	47	NA	NA	\$ 15,000,000	\$ 15,000,000	\$ 15,200,000
21	I-5/NB Seneca St to Olive Way - Mobility Improvements	WSDOT	151	2	Roadway	47	\$ -	\$ -	\$ 4,789,939	\$ 4,789,939	\$ -
22	US395/Ridgeline Drive Interchange	City of Kennewick / WSDOT	42	1	Roadway	46	\$ 1,235,052	\$ 1,389,917	\$ 3,375,031	\$ 6,000,000	\$ -
23	E Marginal Way / S Hanford St Intersection Improvements	Seattle DOT	90	1	Roadway	46	\$ 1,610,000	\$ -	\$ 5,852,000	\$ 7,462,000	\$ -
	Improvements to Tradewinds and Eastwind Roads required to support the development of the Kalama Methanol Manufacturing and Exporting Facility	Port of Kalama	7	1	Multimodal	45	\$ -	\$ -	\$ 700,000	\$ 700,000	\$ -
24	8th St E/54th Ave E Intersection Improvements	City of Fife	75	1	Roadway	45	\$ 95,438	\$ 190,300	\$ 960,396	\$ 1,246,134	\$ 194,483
25	SR 501/I-5 to SW 26th St Ext Vic Including Couplet - Paving	WSDOT	140	1	Roadway	45	\$ 72,498	\$ -	\$ 1,696,042	\$ 1,768,540	\$ -
27	Bigelow Gulch/Forker Connector-Project 2; CRP 2620	Spokane County Public Works	44	1	Roadway	44	\$ -	\$ 500,000	\$ 7,499,000	\$ 7,999,000	\$ -
28	West Marine View Dr. (SR 529) Bulkhead Rebuild	Port of Everett	72	1	Multimodal	44	NA	NA	\$ 1,000,000	\$ 1,000,000	\$ 697,000
29	Bigelow Gulch Road - Project 4; CRP 2989	Spokane County Public Works	16	1	Roadway	43	\$ -	\$ -	\$ 4,191,493	\$ 4,191,493	\$ -
30	Portland Ave Corridor Improvements	City of Tacoma	89	1	Roadway	43	\$ 1,200,000	\$ -	\$ 5,800,000	\$ 7,000,000	\$ -
31	Industrial Rail Corridor Expansion	Port of Longview	59	1	Multimodal	42	\$ -	\$ 1,500,000	\$ 5,800,000	\$ 7,300,000	\$ 42,300,000
32	I-5/Northbound SR 104 Vicinity to 212th St SW Vicinity - Paving	WSDOT	146	1	Roadway	42	\$ -	\$ -	\$ 3,244,996	\$ 3,244,996	\$ -
33	Bridge and 2nd Street Intersection	City of Clarkston	68	2	Roadway	40	\$ 96,000	\$ 88,000	\$ 548,800	\$ 732,800	\$ -
34	Terminal 91 Uplands Access	Port of Seattle / City of Seattle	91	2	Multimodal	40	\$ 1,297,500	\$ -	\$ 7,352,500	\$ 8,650,000	\$ -
35	SR 167/Northbound Pierce County Line to 15th St SW - Paving	WSDOT	135	1	Roadway	40	\$ -	\$ -	\$ 1,464,164	\$ 1,464,164	\$ -
36	6th Ave S / Industrial Way Intersection Reconstruction	Seattle DOT	29	1	Roadway	40	\$ -	\$ -	\$ 800,000	\$ 800,000	\$ -
37	Bigelow Gulch/Forker Connector - Project 6; CRP 2991	Spokane County Public Works	86	2	Roadway	39	\$ 346,000	\$ 1,816,000	\$ 4,808,000	\$ 6,970,000	\$ -
38	Spotted Road Realignment and Interchange Project	Spokane Airports	88	1	Multimodal	36	\$ -	\$ -	\$ 8,000,000	\$ 8,000,000	\$ 1,000,000
39	Blair Hylebos Rail Improvements	NWSA	20	1	Multimodal	35	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 38,899,965
40	I-90/North Bend to Thorp Vic - Rehab Concrete	WSDOT	132	1	Roadway	34	\$ -	\$ -	\$ 10,422,281	\$ 10,422,281	\$ -
41	I-90/Yakima River Bridge W of Ellensburg WB - Deck Rehabilitation	WSDOT	136	1	Roadway	34	\$ -	\$ -	\$ 11,597,316	\$ 11,597,316	\$ -
42	I-90/George East - Paving	WSDOT	143	1	Roadway	34	\$ 369,177	\$ -	\$ 9,589,509	\$ 9,958,686	\$ -
43	Argonne Rd & I-90 IC Bridge Widening	City of Spokane Valley	87	3	Roadway	33	\$ 1,038,000	\$ -	\$ 5,882,000	\$ 6,920,000	\$ 1,080,000
44	I-90/East of Snoqualmie Pass Interchange - Paving	WSDOT	127	1	Roadway	33	\$ 18,433	\$ -	\$ 4,169,968	\$ 4,188,401	\$ -
44	I-90/Moses Lake West WB Lanes - Paving	WSDOT	147	1	Roadway	33	\$ 328,848	\$ -	\$ 4,568,140	\$ 4,896,988	\$ -
46	Hood River Bridge Replacement	Port of Hood River	112	1	Roadway	29	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000	\$ 300,022,000
47	I-90/Cle Elum River Bridge EB & WB - Bridge Painting	WSDOT	144	1	Roadway	28	\$ 486,436	\$ -	\$ 5,971,389	\$ 6,457,825	\$ -
48	Freya Street in The Yard	City of Spokane	78	2	Roadway	27	\$ 105,590	\$ 1,480,123	\$ -	\$ 1,585,713	\$ 1,214,287
49	Sullivan Road Bridge	City of Spokane Valley	93	3	Roadway	27	\$ 2,335,500	\$ -	\$ 15,267,250	\$ 17,602,750	\$ 2,747,250
50	"I" Street and 6th Avenue Construction	City of Yakima	82	2	Roadway	20	\$ 346,000	\$ 173,000	\$ 2,941,000	\$ 3,460,000	\$ 540,000

Note: for WAFAC discussion purpose only

Scenario 7: Unweighted

Rank	Project Name	Owner	ID	2016 Tier	Project Type	Total Score	Funding Request (\$)				Unsecured Fund (\$)
							PE	ROW	CN	Total	
1	I-5 and 54th Avenue E Interchange Improvement Project	City of Fife	63	1	Roadway	433	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000	\$ 41,300,000
2	Port Community Technology System (PCTS)	NWSA	12	1	Multimodal	429	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 4,500,000
3	POT Road Interchange Modification - Phase II (formerly Phase III, see below)	City of Fife	55	2	Roadway	429	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ 9,700,000
4	Taylor Way Rehabilitation	City of Tacoma	47	1	Roadway	384	\$ -	\$ -	\$ 13,473,740	\$ 13,473,740	\$ -
5	Stewart Road Bridge	City of Sumner	94	1	Roadway	341	\$ 600,000	\$ 1,020,000	\$ 18,880,000	\$ 20,500,000	\$ 19,930,000
6	I-5/NB I-90 to SR 520 - Active Traffic Management	WSDOT	168	3	Roadway	340	\$ -	\$ -	\$ 10,558,865	\$ 10,558,865	\$ -
7	I-5/NB Seneca St to Olive Way - Mobility Improvements	WSDOT	151	2	Roadway	332	\$ -	\$ -	\$ 4,789,939	\$ 4,789,939	\$ -
8	SR 432 Corridor Improvements - Phase II	City of Longview	40	1	Roadway	324	\$ 920,000	\$ 2,076,000	\$ 2,304,000	\$ 5,300,000	\$ -
9	SR 501/I-5 to SW 26th St Ext Vic Including Couplet - Paving	WSDOT	140	1	Roadway	313	\$ 72,498	\$ -	\$ 1,696,042	\$ 1,768,540	\$ -
10	Terminal 5 Improvements	NWSA	66	1	Multimodal	309	\$ -	\$ -	\$ 100,000,000	\$ 100,000,000	\$ 266,100,000
11	SR 410 Traffic Ave/E Main	City of Sumner	49	1	Roadway	307	\$ -	\$ -	\$ 12,800,000	\$ 12,800,000	\$ -
12	Portland Ave Corridor Improvements	City of Tacoma	89	1	Roadway	297	\$ 1,200,000	\$ -	\$ 5,800,000	\$ 7,000,000	\$ -
13	Barker Road/BNSF Grade Separation Project	City of Spokane Valley	57	1	Roadway	292	\$ -	\$ -	\$ 9,949,679	\$ 9,949,679	\$ -
14	North Sea-Tac Cargo Facility Access	Port of Seattle	64	1	Multimodal	289	\$ 5,737,500	\$ -	\$ 36,762,500	\$ 42,500,000	\$ -
15	E Marginal Way / S Hanford St Intersection Improvements	Seattle DOT	90	1	Roadway	282	\$ 1,610,000	\$ -	\$ 5,852,000	\$ 7,462,000	\$ -
16	Tideflats Area ITS backbone	City of Tacoma	37	1	Roadway	282	\$ 800,000	\$ 320,000	\$ 2,080,000	\$ 3,200,000	\$ 500,000
17	I-5/Northbound SR 104 Vicinity to 212th St SW Vicinity - Paving	WSDOT	146	1	Roadway	282	\$ -	\$ -	\$ 3,244,996	\$ 3,244,996	\$ -
18	8th St E/54th Ave E Intersection Improvements	City of Fife	75	1	Roadway	273	\$ 95,438	\$ 190,300	\$ 960,396	\$ 1,246,134	\$ 194,483
19	Big Pasco Intermodal Rail Reconstruction	Port of Pasco	31	1	Multimodal	271	\$ -	\$ -	\$ 1,300,000	\$ 1,300,000	\$ -
20	SR 167/Northbound Pierce County Line to 15th St SW - Paving	WSDOT	135	1	Roadway	265	\$ -	\$ -	\$ 1,464,164	\$ 1,464,164	\$ -
21	6th Ave S / Industrial Way Intersection Reconstruction	Seattle DOT	29	1	Roadway	265	\$ -	\$ -	\$ 800,000	\$ 800,000	\$ -
22	Terminal 5 Access Improvements	NWSA	15	1	Multimodal	264	\$ -	\$ -	\$ 1,600,000	\$ 1,600,000	\$ 4,380,240
23	Kalama Methanol Manufacturing and Exporting Facility (KMMEF) - Dock	Port of Kalama	23	1	Multimodal	261	\$ -	\$ -	\$ 10,750,000	\$ 10,750,000	\$ -
24	Union Gap Regional Beltway Connector	City of Union Gap	50	1	Roadway	258	\$ 990,000	\$ 1,000,000	\$ 15,560,000	\$ 17,550,000	\$ -
25	Argonne Road Concrete Pavement, Indiana to Montgomery	City of Spokane Valley	81	1	Roadway	253	\$ 386,447	\$ 34,600	\$ 2,799,348	\$ 3,220,395	\$ 502,605
26	Industrial Rail Corridor Expansion	Port of Longview	59	1	Multimodal	246	\$ -	\$ 1,500,000	\$ 5,800,000	\$ 7,300,000	\$ 42,300,000
27	US395/Ridgeline Drive Interchange	City of Kennewick / WSDOT	42	1	Roadway	241	\$ 1,235,052	\$ 1,389,917	\$ 3,375,031	\$ 6,000,000	\$ -
28	Argonne Rd & I-90 IC Bridge Widening	City of Spokane Valley	87	3	Roadway	239	\$ 1,038,000	\$ -	\$ 5,882,000	\$ 6,920,000	\$ 1,080,000
29	Southway Bridge	Asotin County	73	2	Roadway	231	\$ -	\$ -	\$ 659,388	\$ 659,388	\$ -
Improvements to Tradewinds and Eastwind Roads required to support the development of the Kalama Methanol Manufacturing and Exporting Facility						Port of Kalama	7	1	Multimodal	229	\$ -
30	Terminal 91 Uplands Access	Port of Seattle / City of Seattle	91	2	Multimodal	224	\$ 1,297,500	\$ -	\$ 7,352,500	\$ 8,650,000	\$ -
31	Spotted Road Realignment and Interchange Project	Spokane Airports	88	1	Multimodal	223	\$ -	\$ -	\$ 8,000,000	\$ 8,000,000	\$ 1,000,000
32	Blair Hylebos Rail Improvements	NWSA	20	1	Multimodal	220	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 38,899,965
33	Bigelow Gulch/Forker Connector-Project 2; CRP 2620	Spokane County Public Works	44	1	Roadway	219	\$ -	\$ 500,000	\$ 7,499,000	\$ 7,999,000	\$ -
34	Bigelow Gulch Road - Project 4; CRP 2989	Spokane County Public Works	16	1	Roadway	213	\$ -	\$ -	\$ 4,191,493	\$ 4,191,493	\$ -
35	I-90/North Bend to Thorp Vic - Rehab Concrete	WSDOT	132	1	Roadway	210	\$ -	\$ -	\$ 10,422,281	\$ 10,422,281	\$ -
36	Bigelow Gulch/Forker Connector - Project 5; CRP 2990	Spokane County Public Works	41	1	Roadway	209	\$ -	\$ 500,000	\$ 5,045,193	\$ 5,545,193	\$ -
37	Bigelow Gulch/Forker Connector - Project 6; CRP 2991	Spokane County Public Works	86	2	Roadway	208	\$ 346,000	\$ 1,816,000	\$ 4,808,000	\$ 6,970,000	\$ -
38	I-90/Yakima River Bridge W of Ellensburg WB - Deck Rehabilitation	WSDOT	136	1	Roadway	203	\$ -	\$ -	\$ 11,597,316	\$ 11,597,316	\$ -
39	I-90/George East - Paving	WSDOT	143	1	Roadway	202	\$ 369,177	\$ -	\$ 9,589,509	\$ 9,958,686	\$ -
40	Hood River Bridge Replacement	Port of Hood River	112	1	Roadway	201	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000	\$ 300,022,000
41	South Terminal Expansion Project -- Yard and Wharf Improvements	Port of Everett	56	1	Multimodal	200	NA	NA	\$ 15,000,000	\$ 15,000,000	\$ 15,200,000
42	I-90/East of Snoqualmie Pass Interchange - Paving	WSDOT	127	1	Roadway	192	\$ 18,433	\$ -	\$ 4,169,968	\$ 4,188,401	\$ -
43	I-90/Moses Lake West WB Lanes - Paving	WSDOT	147	1	Roadway	192	\$ 328,848	\$ -	\$ 4,568,140	\$ 4,896,988	\$ -
45	Bridge and 2nd Street Intersection	City of Clarkston	68	2	Roadway	182	\$ 96,000	\$ 88,000	\$ 548,800	\$ 732,800	\$ -
46	Freya Street in The Yard	City of Spokane	78	2	Roadway	181	\$ 105,590	\$ 1,480,123	\$ -	\$ 1,585,713	\$ 1,214,287
47	Sullivan Road Bridge	City of Spokane Valley	93	3	Roadway	178	\$ 2,335,500	\$ -	\$ 15,267,250	\$ 17,602,750	\$ 2,747,250
48	West Marine View Dr. (SR 529) Bulkhead Rebuild	Port of Everett	72	1	Multimodal	173	NA	NA	\$ 1,000,000	\$ 1,000,000	\$ 697,000
49	"I" Street and 6th Avenue Construction	City of Yakima	82	2	Roadway	154	\$ 346,000	\$ 173,000	\$ 2,941,000	\$ 3,460,000	\$ 540,000
50	I-90/Cle Elum River Bridge EB & WB - Bridge Painting	WSDOT	144	1	Roadway	145	\$ 486,436	\$ -	\$ 5,971,389	\$ 6,457,825	\$ -

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