



## RESOLUTION NO. U-11391

1 A RESOLUTION related to the City of Tacoma, Department of Public Utilities,  
2 Water Division ("Tacoma Water") participation in a City of Tacoma,  
3 Department of Public Works Street Initiative Package #37 contract, as a  
4 result of the Lead Gooseneck Replacement Plan.

5 WHEREAS Tacoma Water is requesting authorization to participate in  
6 the City of Tacoma, Department of Public Works Street Initiative Package #37  
7 contract, and

8 WHEREAS through this participation, Tacoma Water will replace  
9 concrete panels associated with the final 109 sites from the Lead Gooseneck  
10 Replacement Plan, that replaced or confirmed replacement of more than 1,200  
11 potential goosenecks throughout the Tacoma Water system, and

12 WHEREAS in order to perform the replacement work, it was necessary  
13 to excavate and restore asphalt and concrete streets, and

14 WHEREAS this agreement is the third and final portion of concrete  
15 restoration work required for this program and Tacoma Water is required to  
16 restore concrete panels in accordance with the City of Tacoma Right of Way  
17 Restoration Policy, and

18 WHEREAS the approximate cost for Tacoma Water is \$1,158,521, and

19 WHEREAS Tacoma Water believes it is in the best interest of the utility  
20 and its customers to include the panel replacement work and will improve  
21 project delivery, reduce project costs, mitigate future risks, and consolidate  
22 construction disturbance to residents and businesses, and

23 WHEREAS Tacoma Water requests authority to participate in the Public  
24 Works contract for the above purpose and reasons; Now, Therefore,  
25  
26





## Board Action Memorandum

**TO:** Jackie Flowers, Director of Utilities  
**COPY:** Charleen Jacobs, Director and Board Officer  
**FROM:** Scott Dewhirst, Utilities Dir Dep. Water Superintendent, Tacoma Water  
Trish Rhay, Asst Division Manager, Maintenance and Construction Division DS  
TR  
**MEETING DATE:** June 14, 2023  
**DATE:** May 30, 2023

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### **STRATEGIC DIRECTIVE ALIGNMENT (select as many that apply):**

Please indicate which of the Public Utility Board's Strategic Directives is supported by this action.

- |  |   |
|--|---|
| <input type="checkbox"/> SD1 – Equity & Inclusion                  | <input type="checkbox"/> SD8 – Telecom                            |
| <input type="checkbox"/> SD2 – Financial Sustainability            | <input type="checkbox"/> SD9 – Economic Development               |
| <input type="checkbox"/> SD3 – Rates                               | <input type="checkbox"/> SD10 – Government Relations              |
| <input type="checkbox"/> SD4 – Stakeholder Engagement              | <input type="checkbox"/> SD11 – Decarbonization/Electric Vehicles |
| <input type="checkbox"/> SD5 – Environmental Leadership            | <input type="checkbox"/> SD12 – Employee Relations                |
| <input type="checkbox"/> SD6 – Innovation                          | <input type="checkbox"/> SD13 – Customer Service                  |
| <input checked="" type="checkbox"/> SD7 – Reliability & Resiliency | <input type="checkbox"/> SD14 – Resource Planning                 |

### **SUMMARY:**

Authorize Tacoma Water to participate in the City of Tacoma, Department of Public Works Streets Initiative Package #37 contract. Through this participation, Tacoma Water will replace concrete panels associated with the final 109 sites from the Lead Gooseneck Replacement Plan. The Tacoma Water portion of the project cost is \$1,158,521.

Tacoma Water believes it is in the best interest of the utility and its customers to include the concrete panel replacement work resulting from the Lead Gooseneck Replacement Plan in the Public Works project. Project partnership will improve project delivery, reduce project costs, mitigate future risks, and consolidate construction disturbance to residents and businesses.

### **BACKGROUND:**

For background information regarding the Public Works and Tacoma Water portions of the project please refer to the attached Project List.

In 2017, Tacoma Water implemented the Lead Gooseneck Replacement Plan, which replaced or confirmed the replacement of more than 1,200 potential lead goosenecks throughout the Tacoma Water system. To perform the replacement work, it was necessary to excavate and restore asphalt and concrete streets.

This agreement is the third and final portion of concrete restoration work required for this program. Tacoma Water is required to restore concrete panels associated with the replacement of 109 lead goosenecks, in accordance with the City of Tacoma Right of Way Restoration Policy.



## Board Action Memorandum

The City of Tacoma, Department of Public Works has agreed to include the replacement of these concrete panels in Street Initiative Package #37. The cost breakdown for the Tacoma Water work is shown in the table below.

Pre- Construction	\$50,160
Construction (Include 10% contingency)	\$937,844
Construction Management	\$170,517
<b>Total Project Cost</b>	<b>1,158,152</b>

**ISSUE:** Tacoma Water is required to replace any concrete panels impacted by the required replacement of lead gooseneck water services.

**ALTERNATIVES:** Tacoma Water could issue a separate contract for the replacement of concrete panels but would lose some of the pricing benefits of participating in a larger volume contract.

**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? No**

**IF THE EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW IT IS TO BE COVERED.**

Although this project was not included in the original capital budget request, the expenditures will be paid as part of the total approved 2023/2024 capital budget, using contingency funds or reprioritization of other projects within the total budget.

**IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes**

**ATTACHMENTS:** Project List  
Agreement for Street Initiative Package #37

**CONTACT:** Trish Rhay, Asst. Division Manager, 253-502-8279



**TO:** Chris Larson, P.E., Division Manager, Public Works Engineering Division  
Stuart Vaughan, P.E., Division Manager, Maintenance and Construction,  
Tacoma Water

**FROM:** Jon Kulju, PMP, Project Manager, Public Works Engineering Division  
Trish Rhay, Assistant Division Manager, Maintenance and Construction,  
Tacoma Water

**SUBJECT:** Agreement for Street Initiative Package #37

**DATE:** May 24, 2023

Tacoma Public Works, Engineering Division and Tacoma Water, Maintenance and Construction is collaborating to replace concrete street panels where water related repairs were made with temporary asphalt patch.

The following summarizes the construction cost allocations for the project and other commitments.

1. The project is to replace concrete street panels where water related repairs were made with temporary asphalt patch located at various work sites, estimated at 109 locations.
2. Public Works (PW) will lead and coordinate the design efforts, develop contract plans and specifications, and advertise and award the contract for construction. WATER agrees to pay the pre-award costs associated with tasks that support the installation of the required infrastructure in the complete project. Estimated WATER pre-construction costs for budgeting purposes are \$50,160.
3. Tacoma Water agrees to pay the cost of the installation of the concrete panels indicated as Group W in Appendix A. Shared costs (e.g., mobilization, traffic control, etc.) are agreed to be paid based on Public Work's and Tacoma Water proportionate share of the total construction cost. The estimated construction costs are \$937,844, including a 10% contingency.
4. Public Works will administer the construction contract and provide construction management (Contract Administration, Construction Inspection Assistance, and Construction Survey). Tacoma Water agrees to pay for the incremental cost of the construction management associated with the installation of the infrastructures as outlined in Item #1 above at a value not to exceed 6% of the estimated Tacoma Water -related construction costs. If at any time the post-award labor costs are anticipated to exceed 6%, Public Works shall initiate a conversation with Tacoma Water so both departments have an opportunity to evaluate the costs and agree on a



cost distribution prior to project cost reconciliation. Estimated water related construction management costs for budgeting purposes are \$170,517.

5. The cumulative total for all water-related project costs is estimated to be \$1,158,521. Tacoma Water has provided the following WBSE for charging these construction costs:
  - o WTR-00520-03-06 Construction payments
  
6. Project participation is subject to Public Utility Board Approval.

We look forward to continuing our spirit of coordination and cooperation to accomplish this and future projects of mutual benefit to the citizens of Tacoma, Tacoma Water, and Public Works. By signature, please indicate your approval to proceed with this joint project.

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Stuart Vaughan, P.E.  
Maintenance and Construction Division Manager  
Tacoma Water

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Chris Larson, P.E.  
Engineering Division Manager  
Public Works

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Date

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Date

Cc: Sue O'Neill, Public Works, Engineering Division  
William Reynolds, Maintenance and Construction Tacoma Water  
Tina Dunn, Public Works, Engineering Division

Key	Work-sites	Funding	Type	Longitude	Latitude	Arterial Traffic Control	Residential Traffic Control	Pedestrian Ramp	Root/Tree Issues	Adjust CB	Replace CB	Connect to New CB	Adjust Manhole	Adjust Gate Valve	Adjust Junction Box	Adjust Water Meter Box	Concrete Panel Square Yards	C6 Square Yards	Asphalt Square Yards	Curb LF	Total Sq Ft	Striping LF	Cont. > 20 ppm	Cont. < 20 ppm
<b>Group A - ADA Pedestrian Curb Ramps</b>																								
594	S 68th St & S Oakes St SW Corner	Group A	Ramp	-122.4724755	47.19555077	1		1										10	25	21	499			1
596	S 68th St & S Oakes St NE Corner	Group A	Ramp	-122.4722381	47.19568382			1										11	27	22	535			1
597	S 68th St & S Oakes St SE Corner	Group A	Ramp	-122.4722341	47.19553801			1										10	27	22	533			1
601	S 70th St & S Oakes St NE Corner	Group A	See Plans	-122.4723105	47.19385212	1												17	63	75	720			1
603	S 70th St & S Oakes St SE Corner	Group A	See Plans	-122.4723186	47.19371725								1					17	60	75	693			1
606	S 36th St & S Wilkeson St NW Corner	Group A	Ramp	-122.4592652	47.22652838		1	2										1	25		234			1
608	S 36th St & S Wilkeson St SW Corner	Group A	Ramp	-122.4592665	47.22636717			2								1		16	5		188			1
611	S 36th St & S Wilkeson St NE Corner	Group A	Ramp	-122.45906	47.22652929			2										13	5		168			1
613	S 36th St & S Wilkeson St SE Corner	Group A	Ramp	-122.4590922	47.22637173			2										11	5		147			1
616	S 54th St & Birmingham St NW Corner	Group A	Ramp	-122.4803752	47.20816297	1		1		1								21	22	20	566			1
619	S 54th St & Birmingham St SW Corner	Group A	Ramp	-122.4803685	47.20798623			1										18	16	17	461			1
622	S 54th St & Birmingham St NE Corner	Group A	Ramp	-122.4801432	47.20815933			1		1				1				17	22	20	532			1
625	S 54th St & Birmingham St SE Corner	Group A	Ramp	-122.4801419	47.20799534			2										19	6	14	343			1
630	S 17th St & S Fife St SW Corner	Group A	Ramp	-122.4704647	47.24471086		1	2										21	23	20	578			1
634	S 17th St & S Fife St SE Corner	Group A	Ramp	-122.4702689	47.24471724			2	1	1			1					21	22	20	571			1
638	S 16th & S Ridgewood Ave NW Corner	Group A	Ramp	-122.4607299	47.24612193		1	1								1		8	2		95			1
639	S 16th & S Ridgewood Ave SW Corner	Group A	Ramp	-122.4606964	47.24600175			1						1				20	50		630			1
641	S 16th & S Ridgewood Ave NE Corner	Group A	Ramp	-122.4605314	47.24614742			1										8	2		95			1
642	S 16th & S Ridgewood Ave SE Corner	Group A	Ramp	-122.4605073	47.24603362			1										16	57		657			1
645	N 11th St & Junett St NW Corner	Group A	Ramp	-122.4749033	47.2599265		1	2										18		12	273		1	
647	N 11th St & Junett St SW Corner	Group A	Ramp	-122.4749019	47.25980272			2										18		14	283		1	
649	N 11th St & Junett St NE Corner	Group A	Ramp	-122.4746981	47.25993105			2	1									22		14	318		1	
651	N 11th St & Junett St SE Corner	Group A	Ramp	-122.4747129	47.25980181			2										17		8	227		1	
715	S 45th St & S Fawcett NW Corner	Group A	Ramp	-122.4376333	47.2168543		1	2								1		15	9	20	386			1
717	S 45th St & S Fawcett SW Corner	Group A	Ramp	-122.4376226	47.21669124			2	1	1								14	63	32	986			1
723	S 45th St & S Fawcett SE Corner	Group A	Ramp	-122.4374027	47.216704			2	1	1								17	10	22	435			1
783	N 35th St & N Proctor St NW Corner	Group A	Ramp	-122.4889087	47.27963875	1		2									2	22	1	13	340		1	
785	N 35th St & N Proctor St SW Corner	Group A	Ramp	-122.4889221	47.27949773			2									2	21		13	323		1	
787	N 35th St & N Proctor St NE Corner	Group A	Ramp	-122.4886794	47.27963329			2										17		18	312		1	
789	N 35th St & N Proctor St SE Corner	Group A	Ramp	-122.4886807	47.27949955			2										23		13	318		1	
<b>Group C - Go Philly Offsite Improvements</b>																								
819	S 16th & Tacoma Ave NW Corner (Go Philly)	Group C	See Plans	-122.4434581	47.24769349	1									1			280	38	90	2862			1
<b>Group E - Public Works Engineering Street Panels</b>																								
224	833 S Trafton St	Group E	Panel	-122.4670079	47.25241753		1										25			15	362	1		1
812	N 14th & N Fife	Group E	Panel	-122.4705963	47.26240677		1										16			9	225		1	
813	N 14th & N Fife	Group E	Panel	-122.4705963	47.26238812												16			9	225		1	
814	N 14th & N Fife	Group E	Panel	-122.4706157	47.26240859												18			10	250		1	
815	N 14th & N Fife	Group E	Panel	-122.470617	47.26238948												18			10	250		1	
816	N 14th & N Fife	Group E	Panel	-122.4706331	47.26238994												27			15	375		1	
<b>Group O - Public Works Street Operations Pedestrian Curb Ramps</b>																								
267	S 60th St & S Lawrence St NW Corner	Group O	Ramp	-122.479861	47.20293753		1	1		1								17	11	24	462			1

Key	Work-sites	Funding	Type	Longitude	Latitude	Arterial Traffic Control	Residential Traffic Control	Pedestrian Ramp	Root/Tree Issues	Adjust CB	Replace CB	Connect to New CB	Adjust Manhole	Adjust Gate Valve	Adjust Junction Box	Adjust Water Meter Box	Concrete Panel Square Yards	C6 Square Yards	Asphalt Square Yards	Curb LF	Total Sq Ft	Striping LF	Cont. > 20 ppm	Cont. < 20 ppm	
270	S 60th St & S Lawrence St SW Corner	Group O	Ramp	-122.4798489	47.20280997			1		1				2		2		17	11		251			1	
274	S 60th St & S Lawrence St SE Corner	Group O	Ramp	-122.4796156	47.20280633			1			1	1				1		17	10	23	451			1	
279	S 62nd St & S Warner St NW Corner	Group O	Ramp	-122.4812481	47.20113204		1	1										10	34		390			1	
281	S 62nd St & S Warner St SW Corner	Group O	Ramp	-122.4812562	47.20100903			1										13	28	23	564			1	
284	S 62nd St & S Warner St NE Corner	Group O	Ramp	-122.4809866	47.20113204			1								1		6	31		325			1	
286	S 62nd St & S Warner St SE Corner	Group O	Ramp	-122.4809947	47.20100903			1										17	29	23	628			1	
291	S 60th St & S Montgomery St NW Corner	Group O	Ramp	-122.4785109	47.20293251		1	1							1			9	10	22	358			1	
294	S 60th St & S Montgomery St SW Corner	Group O	Ramp	-122.4785083	47.20280312			1							1			14		17	280			1	
309	N 45th St & N Frace St SW Corner	Group O	Ramp	-122.5237213	47.28990002		1	1			1	1								50			1		
312	N 45th St & N Frace St SE Corner	Group O	Ramp	-122.5235296	47.28990184			1										14	23		329		1		
317	N 45th St & N Whitman St SW Corner	Group O	Ramp	-122.5224996	47.28989183		1	1						1				16	53	31	900		1		
319	N 45th St & N Whitman St NE Corner	Group O	Ramp	-122.5223092	47.29001282			1		1						1		8	4	10	205		1		
320	N 45th St & N Whitman St SE Corner	Group O	Ramp	-122.5223038	47.28989456			1			1	1								68	35	928		1	
322	N 49th St & Five Views Dr NW Corner	Group O	Ramp	-122.5233328	47.29457916		1	1												2		20		1	
323	N 49th St & Five Views Dr SW Corner	Group O	Ramp	-122.5233369	47.2944782			1		1								8	50		525		1		
324	N 49th St & Five Views Dr NE Corner	Group O	Ramp	-122.522748	47.2945446			1												2		20		1	
325	N 49th St & Five Views Dr SE Corner	Group O	Ramp	-122.5227816	47.29444909			1												2		20		1	
327	N Hale St & Five Views Dr NW Corner	Group O	Ramp	-122.5229465	47.29412983		1	1										8	3		103			1	
329	N Hale St & Five Views Dr NE Corner	Group O	Ramp	-122.5227775	47.29412164			1										20	25	21	590			1	
330	N Hale St & Five Views Dr SE Corner	Group O	Ramp	-122.5227749	47.29400249			1								4		7	4	10	190			1	
332	S 15th St & S G St NW Corner	Group O	Ramp	-122.4451482	47.2485856	1		1										15		30	406			1	
334	S 15th St & S G St SW Corner	Group O	Ramp	-122.4451039	47.24839625			1								1		16		30	411			1	
336	S 15th St & S G St NE Corner	Group O	Ramp	-122.4448773	47.24861201			1										22		32	487			1	
339	S 15th St & S G St SE Corner	Group O	Ramp	-122.4448384	47.24842356			1			1	2					2	16		31	444			1	
366	N 25th St & N Ferdinand St NW Corner	Group O	Ramp	-122.5024185	47.27021197		1	2										20	50	30	900		1		
369	N 25th St & N Ferdinand St SW Corner	Group O	Ramp	-122.5024185	47.27004726			2			1	1						12	32	24	608		1		
371	N 25th St & N Ferdinand St NE Corner	Group O	Ramp	-122.5022267	47.27019195			2										12	41	27	712		1		
372	N 25th St & N Ferdinand St SE Corner	Group O	Ramp	-122.5022354	47.27005287			2										11	25	21	509		1		
376	N 15th St & N Oakes St NW Corner	Group O	Ramp	-122.4717082	47.26371465	1		2							1			17	6	14	338		1		
378	N 15th St & N Oakes St SW Corner	Group O	Ramp	-122.4717109	47.26361272			2										20	9	10	346		1		
380	N 15th St & N Oakes St NE Corner	Group O	Ramp	-122.4715245	47.26371101			2										18	11	25	481		1		
382	N 15th St & N Oakes St SE Corner	Group O	Ramp	-122.4715218	47.26361272			2			1	1						18	93	41	1375		1		
386	N 19th St & N Fife St SW Corner	Group O	Ramp	-122.4705455	47.26616179		1	1			1	1		2				16	48	30	845		1		
388	N 19th St & N Fife St NE Corner	Group O	Ramp	-122.470347	47.26626736			1			1	1			1			18	22	20	546		1		
390	N 19th St & N Fife St SE Corner	Group O	Ramp	-122.4703698	47.2661627			1			1	2			1			30	64	34	1151		1		
396	N 15th St & N Fife St NE Corner	Group O	Ramp	-122.4703791	47.26370827	1		2										19	6	25	448		1		
822	S 58th & Lawrence SW Corner	Group O	Ramp	-122.4798626	47.20425451		1	1										4	4		65			1	
823	S 58th & Lawrence SE Corner	Group O	Ramp	-122.479599	47.20425451			1										4			32			1	
<b>Group P - Pierce Transit Bus Pads</b>																									
817	74th & Madison NW Corner	Group P	See Appendix F	-122.4907376	47.19058067	1															171			1	
818	74th & Madison SE Corner	Group P	See Appendix F	-122.4899477	47.19041207																171			1	
<b>Group S - Public Works Streetlight Conduit Panels</b>																									
801	608 S Monroe St	Group S	Conduit	-122.4917777	47.25533105	1											44				396		1		



Key	Work-sites	Funding	Type	Longitude	Latitude	Arterial Traffic Control	Residential Traffic Control	Pedestrian Ramp	Root/Tree Issues	Adjust CB	Replace CB	Connect to New CB	Adjust Manhole	Adjust Gate Valve	Adjust Junction Box	Adjust Water Meter Box	Concrete Panel Square Yards	C6 Square Yards	Asphalt Square Yards	Curb LF	Total Sq Ft	Striping LF	Cont. > 20 ppm	Cont. < 20 ppm
802	4002 6th Ave	Group S	Conduit	-122.4907021	47.25532194	1											62				555		1	
803	E Harrison & E G St	Group S	Conduit	-122.4223343	47.22948824		1			1							63				570			1
804	4515 6th Ave	Group S	Conduit	-122.4987206	47.25536962	1											45				406		1	
805	4818 S Yakima Ave	Group S	Conduit	-122.4431914	47.21293812												67				600			1
806	4840 S Yakima Ave	Group S	Conduit	-122.4432084	47.21225548												32				285			1
807	5023 S Yakima Ave	Group S	Conduit	-122.4431824	47.21092846												51				460			1
808	5031 S Yakima Ave	Group S	Conduit	-122.4431771	47.21063147												35				315			1
809	S 46th St & S Yakima Ave N	Group S	See Plans	-122.4434524	47.21527594																			1
810	S 46th St & S Yakima Ave E	Group S	See Plans	-122.4433398	47.21519214																			1
811	Thompson & Yakima	Group S	See Plans	-122.4435926	47.21475215																			
<b>Group W - Tacoma Water Street Panels</b>																								
1	3409 S D St	Group W	Panel	-122.4363713	47.22990735	1											21				190			1
2	3716 S D St	Group W	Panel	-122.4360595	47.22409353		1										34				302			1
3	3419 Tacoma Ave S	Group W	Panel	-122.4389254	47.2286403		1										30				270			1
4	4015 Tacoma Ave S	Group W	Panel	-122.4391327	47.22021014		1										31				277			1
5	4041 Tacoma Ave S	Group W	Panel	-122.4391206	47.21926876												62				560			1
6	4056 Tacoma Ave S	Group W	Panel	-122.4391189	47.21888027												31				280			1
7	4308 Tacoma Ave S	Group W	Panel	-122.4391151	47.21801559		1										31				277			1
8	4326 Tacoma Ave S	Group W	Panel	-122.4391098	47.21745357												31				277			1
9	4329 Tacoma Ave S	Group W	Panel	-122.4391091	47.21726228												31				280			1
10	4338 Tacoma Ave S	Group W	Panel	-122.4391064	47.21701132												31				280			1
11	4338 Tacoma Ave S	Group W	Panel	-122.4391057	47.2170341												31				280			1
12	4339 Tacoma Ave S	Group W	Panel	-122.4391071	47.21702863		1										31				280			1
16	4625 Tacoma Ave S	Group W	Panel	-122.4390913	47.21427329		1										15		9		131			1
17	4630 Tacoma Ave S	Group W	Panel	-122.4390927	47.21426919		1										34				310			1
18	3701 S Fawcett Ave	Group W	Panel	-122.4376006	47.22447544		1										23				203			1
19	3410 S Fawcett Ave	Group W	Panel	-122.4380439	47.2297319												75				678			1
20	3710 S Fawcett Ave	Group W	Panel	-122.4376014	47.22420099												26				231			1
21	4818 S Yakima Ave	Group W	Panel	-122.4433003	47.21293433	1											18				160			1
22	4830 S Yakima Ave	Group W	Panel	-122.4432824	47.21247357												27				240			1
23	4833 S Yakima Ave	Group W	Panel	-122.4432771	47.21239933												27				242			1
24	4837 S Yakima Ave	Group W	Panel	-122.4432717	47.21227566												27				240			1
25	4840 S Yakima Ave	Group W	Panel	-122.4432717	47.21224788												27				240			1
26	4846 S Yakima Ave	Group W	Panel	-122.4432747	47.21211726												28				248			1
27	4849 S Yakima Ave	Group W	Panel	-122.4432533	47.21195568												16				140			1
28	5023 S Yakima Ave	Group W	Panel	-122.44325	47.21092715	1											16				140			1
29	5031 S Yakima Ave	Group W	Panel	-122.4432473	47.21063335												15				132			1
30	4303 S G St	Group W	Panel	-122.4405672	47.21828553	1											45				403			1
31	4625 S G St	Group W	Panel	-122.4405478	47.21428686	1											45				406			1
32	4626 S G St	Group W	Panel	-122.4405445	47.21421125												48				430			1
33	4630 S G St	Group W	Panel	-122.4405445	47.21407506												30				271			1
34	4634 S G St	Group W	Panel	-122.4405425	47.21393022												49				443			1
35	3580 Pacific Ave	Group W	Panel	-122.4341558	47.2267003	1													19		169			1
36	702 S 49th St	Group W	Panel	-122.4402394	47.21274929		1										34				307			1

Key	Work-sites	Funding	Type	Longitude	Latitude	Arterial Traffic Control	Residential Traffic Control	Pedestrian Ramp	Root/Tree Issues	Adjust CB	Replace CB	Connect to New CB	Adjust Manhole	Adjust Gate Valve	Adjust Junction Box	Adjust Water Meter Box	Concrete Panel Square Yards	C6 Square Yards	Asphalt Square Yards	Curb LF	Total Sq Ft	Striping LF	Cont. > 20 ppm	Cont. < 20 ppm
37	714 S 27th St	Group W	Panel	-122.4412163	47.23621951	1											33			15	301			1
38	211 S 34th St	Group W	Panel	-122.4346827	47.23008667	1											48				436			1
39	308 S 34th St	Group W	Panel	-122.4354163	47.23001018												48				436			1
40	407 S 34th St	Group W	Panel	-122.4369961	47.22984285	1											48				436			1
41	501 S 34th St	Group W	Panel	-122.4381921	47.22971597	1											48				436			1
42	505 S 34th St	Group W	Panel	-122.4382705	47.22970823												48				436			1
43	509 S 34th St	Group W	Panel	-122.4384455	47.22969149												48				436			1
44	511 S 34th St	Group W	Panel	-122.4387111	47.22966098												49				440			1
45	515 S 34th St	Group W	Panel	-122.4389095	47.22964095												13				121			1
46	302 S 35th St	Group W	Panel	-122.43501	47.22904651		1										31				281			1
47	306 S 35th St	Group W	Panel	-122.4352206	47.22902284												30				267			1
48	316 S 35th St	Group W	Panel	-122.435527	47.22899779												29		19		259			1
49	318 S 35th St	Group W	Panel	-122.4356953	47.22897821												28		19		250			1
50	321 S 35th St	Group W	Panel	-122.4358697	47.22895772												28		20		254			1
51	324 S 35th St	Group W	Panel	-122.4360085	47.22894497												30		20		271			1
52	401 S 35th St	Group W	Panel	-122.4365349	47.22889169		1										28		20		254			1
53	402 S 35th St	Group W	Panel	-122.4364571	47.22889807												30		20		269			1
54	406 S 35th St	Group W	Panel	-122.436621	47.22888031												30		20		267			1
55	406 S 35th St	Group W	Panel	-122.4365848	47.22888464												30				267			1
56	408 S 35th St	Group W	Panel	-122.4367773	47.22886483												30		20		269			1
57	411 S 35th St	Group W	Panel	-122.436903	47.22885208												29		20		265			1
58	412 S 35th St	Group W	Panel	-122.43701	47.22884129												30		20		267			1
59	420 S 35th St	Group W	Panel	-122.4374076	47.22879667												30		20		267			1
60	424 S 35th St	Group W	Panel	-122.4375672	47.22878164												22		5		196			1
61	504 S 35th St	Group W	Panel	-122.437995	47.22873611												28		20		256			1
62	509 S 35th St	Group W	Panel	-122.4383192	47.22870104												31		20		278			1
63	509 S 35th St	Group W	Panel	-122.4382944	47.22870468												31		20		275			1
64	510 S 35th St	Group W	Panel	-122.4382467	47.22870844												58				520			1
66	524 S 35th St	Group W	Panel	-122.4390058	47.22862556												30		20		273			1
67	524 S 35th St	Group W	Panel	-122.4390568	47.22862056												31		20		276			1
68	613 S 35th St	Group W	Panel	-122.4401752	47.22850672		1										23				208			1
69	616 S 35th St	Group W	Panel	-122.4402503	47.22849943												30		20		273			1
70	2308 MLK JR Way	Group W	Panel	-122.4488607	47.23923264	1											31				280			1
71	2308 MLK JR Way	Group W	Panel	-122.448858	47.23920714												19		12		168			1
72	2309 MLK JR Way	Group W	Panel	-122.4488728	47.23926633												19		12		168			1
73	2312 MLK JR Way	Group W	Panel	-122.4488299	47.23909424												31				280			1
74	2328 MLK JR Way	Group W	Panel	-122.4487145	47.23859162					1				2			31				283			1
75	2335 MLK JR Way	Group W	Panel	-122.4486502	47.23831027												31				283			1
76	2336 MLK JR Way	Group W	Panel	-122.4486421	47.23826929												31				280			1
77	2340 MLK JR Way	Group W	Panel	-122.4486126	47.23814455												31				282			1
78	2346 MLK JR Way	Group W	Panel	-122.4485831	47.23800979												31				276			1
79	2352 MLK JR Way	Group W	Panel	-122.4485295	47.23778397												31				280			1
80	612 S Prospect St	Group W	Panel	-122.4691342	47.2550079		1										31				275			1
81	622 S Prospect St	Group W	Panel	-122.4691315	47.25462286				1								31				279			1

Key	Work-sites	Funding	Type	Longitude	Latitude	Arterial Traffic Control	Residential Traffic Control	Pedestrian Ramp	Root/Tree Issues	Adjust CB	Replace CB	Connect to New CB	Adjust Manhole	Adjust Gate Valve	Adjust Junction Box	Adjust Water Meter Box	Concrete Panel Square Yards	C6 Square Yards	Asphalt Square Yards	Curb LF	Total Sq Ft	Striping LF	Cont. > 20 ppm	Cont. < 20 ppm	
82	608 S Monroe St	Group W	Panel	-122.4917751	47.25526569												12				108		1		
90	4002 6th Ave	Group W	Panel	-122.4907034	47.25526475												21			16	187			1	
91	4515 6th Ave	Group W	Panel	-122.4987191	47.25530845									1			40			15	360	15	1		
92	3826 N 8th St	Group W	Panel	-122.4879874	47.25704304		1										28			15	249		1		
93	N Stevens & N 19th St	Group W	Panel	-122.496151	47.26629629	1								1			24			17	219	35	1		
94	3809 N 35th St	Group W	Panel	-122.4879201	47.27958943		1										34			20	310		1		
95	3813 N 35th St	Group W	Panel	-122.4881092	47.27959125												34			20	307		1		
96	3818 N 35th St	Group W	Panel	-122.4883144	47.27959216												34			20	308		1		
97	3818 N 35th St	Group W	Panel	-122.4883157	47.27954576												4			2	37		1		
101	3711 N 36th St	Group W	Panel	-122.4862569	47.28050611	1											36			21	324	21	1		
102	3718 N 36th St	Group W	Panel	-122.4867557	47.28050853												32			18	284	18	1		
103	3724 N 37th St	Group W	Panel	-122.4872029	47.28122501		1										36				324		1		
104	3724 N 37th St	Group W	Panel	-122.4872043	47.28126641												5				45		1		
106	3212 N Stevens St	Group W	Panel	-122.4961769	47.27727605	1							1				17				153	30	1		
107	N 33rd and Stevens-NW Corner	Group W	Panel	-122.4962595	47.27777573					1							22				200		1		
108	3602 N Stevens St	Group W	Panel	-122.4961504	47.28073549	1											32				292	29	1		
109	3602 N Stevens St	Group W	Panel	-122.4961491	47.28070729												30				270	40	1		
110	3602 N Stevens St	Group W	Panel	-122.4961491	47.28078326												32				292	33	1		
111	3309 N Adams St	Group W	Panel	-122.4872443	47.27808435		1										36			21	326		1		
112	3310 N Adams St	Group W	Panel	-122.4872524	47.27802521												34			20	302		1		
113	3315 N Adams St	Group W	Panel	-122.487243	47.27825267												34			20	310		1		
114	3419 N Adams St	Group W	Panel	-122.4872307	47.27938035		1										33			19	297		1		
115	3504 N Adams St	Group W	Panel	-122.487221	47.27973117		1										36			21	326		1		
116	3519 N Adams St	Group W	Panel	-122.4868643	47.28050497												31			18	279	18	1		
117	3705 N Adams St	Group W	Panel	-122.4871992	47.28179781		1										35			20	314		1		
118	3502 N 35th St	Group W	Panel	-122.4843889	47.27956232		1										35				315		1		
119	4652 N Pearl St	Group W	Panel	-122.5157925	47.29268018	1											24			15	213		1		
120	4652 N Pearl St	Group W	Panel	-122.5157522	47.29267654												35			15	315	30	1		
820	3011 S 56th St	Group W	Panel	-122.4757035	47.20655657	1											21				192		1		
821	3011 S 56th St	Group W	Panel	-122.4757008	47.20652423												23				208		1		
824	3602 S Thompson Ave	Group W	Panel	-122.4447763	47.22621872	1								1			44			20	400	20	1		
825	3005 Chandler St	Group W	Panel	-122.4559432	47.23251568		1										60			30	540		1		
<b>Group Y - Public Works Engineering S 46th &amp; Yakima Site Pedestrian Curb Ramps</b>																									
702	S 46th St & S Yakima Ave NW Corner	Group Y	See Plans	-122.4435701	47.21527159						1	1								185	50	1662		1	
704	S 46th St & S Yakima Ave SW Corner	Group Y	See Plans	-122.4435809	47.21511035															185	50	1662		1	
707	S 46th St & S Yakima Ave NE Corner	Group Y	See Plans	-122.4433435	47.2152725								1							185	30	1662		1	
710	S 46th St & S Yakima Ave SE Corner	Group Y	See Plans	-122.4433368	47.2150976						1	1								185	30	1662		1	
795	Thompson & Yakima	Group Y	See Plans	-122.4437076	47.21473003															51.7	35	465.3	17	1	
796	Thompson & Yakima	Group Y	See Plans	-122.4436741	47.21464577															51.7	25	465.3		1	
797	Thompson & Yakima	Group Y	See Plans	-122.4434816	47.21453144															20.5	25	184.5		1	
798	Thompson & Yakima	Group Y	See Plans	-122.4433415	47.2145319															20.5	15	184.5		1	
799	Thompson & Yakima	Group Y	See Plans	-122.4443753	47.21526642								1							276	40	2484	23	1	
800	Thompson & Yakima	Group Y	See Plans	-122.4441564	47.21510716	1							1							276	50	2484	25	1	