



# Transportation & Public Works Meeting Agenda

April 20, 2023; 4:30 – 6:00 PM  
“Hybrid Meeting”

**This meeting will be conducted in a hybrid format with in-person and remote options for public participation. The meeting will be broadcast on SeaTV Government Access Comcast Channel 21 and live-streamed on the City’s website <https://seatacwa.gov/seatvlive> and click the “live” Channel 1 grey box.**

Peter Kwon, Chair  
Takele Gobena  
Jake Simpson, Mayor

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**Note: A quorum of the Council may be present**

Other Councilmembers present:

Staff Coordinators: Will Appleton, Public Works Director; Florendo Cabudol, City Engineer.

Other Staff participating:

TIME	TOPIC	PROCESS TYPE	WHO	Time
1	Call to order		Chair	
2	PUBLIC COMMENTS: The committee will hear in-person public comments and is also providing remote oral and written public comment opportunities. All comments shall be respectful in tone and content. Providing written comments and registering for oral comments must be done by 2:00 PM the day of the meeting. Registration is required for remote comments and encouraged for in-person comments. Any requests to speak or provide written public comments which are not submitted following the instructions provided or by the deadline will not be included as part of the record. • Instructions for providing remote oral public comments are located at the following link: <a href="#">Registration for Oral Public Comments</a> - Council Committees and Citizen Advisory Committees		Chair	5

	Submit email/text public comments to TPWPubliccomment@seatacwa.gov. The comment will be mentioned by name and subject and then placed in the committee handout packet posted to the website meeting calendar the next day.			
3	Prior Minutes Approval	March 16 Minutes to Approve	Chair	5
4	Adopt 2024-2029 Transportation Improvement Program (AB 6181)	Informational Only	Florendo Cabudol	25
5	Approve Consultant Contract for 34 <sup>th</sup> Ave S Phase 2 (ST-016) (AB 6126)	Discussion/Action	Kamal Mahmoud	10
6	Approve Consultant Contract for South 204 <sup>th</sup> Street Improvements AB 6127	Discussion/Action	Kamal Mahmoud	10
7	Department Updates		Will Appleton	15
8	<u>Future Meeting Topics</u> : Right of Way Uses; SWM Utility Fee Rate Study; King County Landfill Fee Restructure; Construction Award for 2023 Overlay Project; Transportation Master Plan Update Consultant Contract;			5
9	Adjourn	Adjourn Meeting	Chair	



# Transportation & Public Works Committee Meeting Minutes

March 16, 2023  
4:30 PM – 6:00 PM  
\*\* Hybrid Meeting \*\*

Members:	Present:	Absent:	Commence: 4:30 PM Adjourn: 5:42 PM
Peter Kwon, Chair	P		
Jake Simpson	P		
Takele Gobena		A	

Other Councilmembers participating:

Staff Coordinators: Will Appleton, Public Works Director; Florendo Cabudol, City Engineer

Other Staff Participating: Dan Smith, Public Works Maintenance Operations Supervisor, Will Lugo, Emergency Management Program Manager, Bryan Chappell, Maintenance and Operations Manager, Gwen Voelpel, Deputy City Manager, Zach Shields, Senior Planner, Kamal Mahmoud, Engineering Manager

Public Comment	No public comment was given
1. Approve Prior Meeting's Minutes	March 2 Minutes were approved
2. Stormwater Management Acton Plan (SMAP) Presentation by Parametrix	<p>Informational</p> <p>Dan Smith, Public Works Maintenance Operations Supervisor, and Paul Fendt, P.E from Parametrix Co. presented an overview of the Stormwater Management Action Plan (SMAP) developed by Parametrix for the Miller Creek watershed drainage basin.</p> <p>The importance of this matter involves the following considerations:</p>

1. The work is required by the City's NPDES Western Washington Municipal Stormwater Permit.
2. The Meeting is an opportunity for soliciting input from the community.
3. The SMAP will provide direction on protecting and enhancing the City's waterbodies.
4. A capital project plan has been developed to be implemented in the next 20 years.

The Permit-required Stormwater Action Planning must be completed no later than March 31,2023.

SMAP is designed to inform and assist in the long-term development of policies, strategies, and water quality management tools designed to protect SeaTac receiving waters.

There are three Ecology-Required Steps:

1. Watershed Delineation/Receiving Water Inventory (03/31/2022).
2. Receiving Water Assessment: Ranking Prioritization (06/30/2022).
3. Final Stormwater Management Action Plan (03/31/2023).

The proposed Capital Project list for the Stormwater Management Action Plan are the following:

- SeaTac Maintenance Facility Pond retrofit
- SeaTac Community Center Pond retrofit
- 146<sup>th</sup> & 16<sup>th</sup> Water Quality Treatment Pond
- Des Moines Memorial Drive retrofit
- South 136<sup>th</sup> Street retrofit
- 18<sup>th</sup> Avenue South retrofit
- 24<sup>th</sup> Avenue South retrofit

Short term plan (1-6 Years)

- 24<sup>th</sup> Avenue South Retrofit
- 18<sup>th</sup> Avenue South Retrofit

Long term plan (7-20 Years)

- 146<sup>th</sup> & 16<sup>th</sup> Water Quality Treatment Pond
- 24<sup>th</sup> Avenue South Road Retrofit
- South 136<sup>th</sup> Street Retrofit
- Des Moines Memorial Drive Retrofit
- SeaTac Maintenance Facility Pond Retrofit
- SeaTac Community Center Pond Retrofit

This presentation is informational only and no Council action is required.

	<p>The committee raised a question regarding why are we looking for a public comment? Staff responded stating that this is a requirement of the NPDES permit where asking the public to make comments. Public comment has been taken throughout this process for the past 6 months, and the public is encouraged to make further comment by March 24.</p>
<p>3. Adoption of Disaster Debris Management Plan</p>	<p>Discussion/Action</p> <p>Will Lugo, Emergency Management Program Manager, presented the Disaster Debris Management Plan. The Disaster Debris Management Plan covers the response and recovery to all debris-causing incidents within the jurisdictional boundaries of the City of SeaTac. This plan also covers additional tasks required to maintain jurisdictional debris management readiness, including training, exercises, and plan maintenance.</p> <p>The importance of this matter involves the following considerations:</p> <ol style="list-style-type: none"> <li>1. To inform the Council on why having an adopted Disaster Debris Management Plan is needed in the event of a FEMA Declared Disaster.</li> <li>2. To help prepare our City in the event of a large FEMA disaster.</li> <li>3. To facilitate the approval of FEMA Public Assistance reimbursement after a major FEMA declared disaster.</li> </ol> <p>Disaster debris consists of soils/sediments, vegetation (trees, limbs, shrubs), municipal solid waste, construction/demolition debris, vehicles, food waste, refrigerators, freezers, air conditioners, and household hazardous waste (cleaning agents, pesticides).</p> <p>The Disaster Debris Management Plan Cycle:</p> <ul style="list-style-type: none"> <li>• Covers the response and recovery to all debris-causing incidents within the City of SeaTac</li> <li>• Identifies Roles and Responsibilities of city staff and Debris Management contractors</li> <li>• Identifies City and Contracted resources for debris removal</li> <li>• Disaster Debris Management Plan maintenance and exercise</li> <li>• Identifies location of Neighborhood Debris Collection Sites (NDCS) and Debris Management Site (DMS)</li> <li>• Established a Public Information Strategy for informing the public on debris collection/removal</li> </ul>

	<ul style="list-style-type: none"> <li>Establishes the process for debris removal from the Right-of-Way and Private Property</li> </ul> <p>Staff is recommending the Committee to adopt the City of SeaTac Disaster Management plan.</p> <p>Committee unanimously agreed to move the Debris Management Plan as an Action Item to a Regular Council Meeting with recommendation to approve.</p>
<p>4. Interlocal Agreement with City of Tukwila for vehicle maintenance</p>	<p>Discussion/Action</p> <p>Bryan Chappell, Maintenance and Operations Manager, presented an overview of a proposed Interlocal Agreement with the City of Tukwila to provide fleet and equipment maintenance services to the City of SeaTac.</p> <p>The City of SeaTac and the City of Tukwila have been working to develop an agreement that would allow SeaTac to have all vehicle and heavy equipment maintenance work performed by the City of Tukwila at their maintenance facility, rather than having to rely on a variety of private shops located around the south end. The City of Tukwila currently performs all their equipment and vehicle maintenance in-house, including heavy machinery maintenance, and has excess capacity that could be used to service the needs of the City of SeaTac. For SeaTac, the ability to schedule and obtain all of our fleet maintenance needs at one location that has staff highly qualified to work on all of our equipment would be a significant improvement with respect to operational efficiencies and ensuring that service is available when we need it. Tukwila owns, operates, and maintains very similar, if not identical, pieces of equipment. This combined with existing staff capacity to service SeaTac's need as well, is seen to be an excellent opportunity for both cities to improve efficiencies and service levels for our communities.</p> <p>Entering this arrangement is expected to result in improved service of our fleet, a lower cost and far superior responsiveness to both regular maintenance and emergency repairs needed during operations. The draft interlocal agreement is provided for review and Committee consideration. Key element of the agreement include:</p> <ul style="list-style-type: none"> <li>The agreement would be for a term of 10-years with the option to opt out upon 1-year notice.</li> <li>SeaTac would be billed for services monthly.</li> <li>Planned maintenance needs would be scheduled in advance with Tukwila.</li> </ul>

	<ul style="list-style-type: none"> <li>• Emergency maintenance needs would be accommodated.</li> <li>• Tukwila maintenance staff would be available to make repairs at the SeaTac Maintenance Facility if required.</li> </ul> <p>Staff is recommending the Committee approve and forward to full council entering into an interlocal agreement for vehicle/fleet maintenance services with the City of Tukwila.</p> <p>City of Tukwila Fire Department has merged with Puget Sound Regional Fire Authority, so the City of Tukwila has space for the City of SeaTac's maintenance vehicles.</p> <p>The Committee raised a question regarding vehicle prioritization? Staff responded stating that the cities have a working agreement where the vehicles are first in first out, but if SeaTac needed something sooner, the City of Tukwila will respond. We are promised about 600 hours of service a year.</p> <p>Committee unanimously agreed to move the contract to a Regular Council Meeting as an Action Item with a Presentation, with recommendation to approve.</p>
<p>5. Department Updates</p>	<p>Will Appleton, Public Works Director, presented update items for the Committee.</p> <ul style="list-style-type: none"> <li>• The River Ridge Sidewalk Project is getting ready to start in early April thanks to staff.</li> <li>• The 2023 Over Lay project at S 154<sup>th</sup> between Des Moines Memorial Drive and 24<sup>th</sup> Ave S. is on track and will be advertised in April.</li> <li>• Potholes will start to be filled as warmer weather continues. If residents see potholes or see objects in the right-of-way, please make a request via the See Click Fix App.</li> </ul> <p>The Committee raised a question regarding the 34<sup>th</sup> Avenue South project and wanted to know when the project will be up and running again. Staff responded that the utility coordination, removal of poles, and undergrounding services to homes needed to be completed. The City was waiting for the right weather for pouring concrete and laying asphalt. The City is also getting certification of Right of Way in place to WSDOT as this project is federally funded so we can complete the work. Once the contractor starts work, the height of the wall that is causing sight distance issues will be addressed..</p>

6. Adjourn	Meeting adjourned at 5:42 PM.
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Minutes to be Approved





# MEMORANDUM

To: Transportation and Public Works Committee  
Through: William Appleton, Public Works Director  
From: Florendo Cabudol, City Engineer  
Date: 04/20/2023  
Subject: Draft 2024-2029 Transportation Improvement Program

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## **Purpose:**

This is an informational presentation on the Draft 2024-2029 Transportation Improvement Program (TIP) to solicit comment and feedback from the Transportation & Public Works (T&PW) Committee prior to the public hearing at the 06/13/23 Regular Council Meeting (RCM).

## **Background:**

In accordance with the requirements of Chapters 35.77 and 47.26 of the Revised Code of Washington (RCW), the City of SeaTac adopted its original Transportation Improvement Program (TIP) on August 14, 1990 (Resolution 90-115). The City is also required to adopt a revised and extended TIP on an annual basis to reflect the City's current and future transportation infrastructure needs.

The City is required to hold a minimum of one public hearing to receive comments on the revised TIP. Staff proposes that this public hearing occur at the 6/13/23 RCM. After adoption by Resolution, the revised TIP must be filed with the Washington State Secretary of Transportation and the Washington State Transportation Improvement Board.

Please see the enclosed Draft 2024-2029 Transportation Improvement Program project list and presentation slide deck for more information.

## **Options/Recommendation:**

Staff are not seeking a recommendation from the Committee on the Draft TIP. This is an informational presentation with staff seeking input to refine and finalize the TIP prior to Council adoption. A follow-up presentation of the Final TIP will be brought to the Committee with Staff seeking a recommendation to adopt the TIP at the 6/13/23 RCM.



**2024 - 2029 Transportation Improvement Program**

Project No.

Annual projects to implement the Safe and Complete Streets Plan to construct pedestrian and bicycle facilities on selected streets. Projects shown in Table 4-5 in the TMP.

D - DESIGN  
 S - STUDY  
 ST - STREET PROJECT  
 ST-N - NON-MOTORIZED PROJECT  
 R/W - RIGHT OF WAY  
 C - CONSTRUCTION  
 MP - MISCELLANEOUS PROJECT

Priority	Project Title and Description		Total Project Cost over 6-year TIP	2024	2025	2026	2027	2028	2029	Comp Plan TE	Council/PSRC
ST-N#	<b>Neighborhood Multi-Modal Transportation Improvement Program</b>	Citywide	\$13,500,000	\$2,250,000	\$2,250,000	\$2,250,000	\$2,250,000	\$2,250,000	\$2,250,000	Goal 4.1, 4.3, 4.4 Policy 4.1A, 4.3A, 4.4A, 4.4B, 4.4C, 4.4D, 4.4E, 4.4F, 4.4G, 4.4H, 4.4I	Council Goal 1 PSRC MPP-G-1, T-1, 14, 15, 16, 23, 24
1	Annual projects to implement the Safe and Complete Streets Plan to construct pedestrian and bicycle facilities on selected streets. Projects shown			D = \$250,000 C = \$2,000,000	D = \$250,000 C = \$2,000,000	D = \$250,000 C = \$2,000,000	D = \$250,000 C = \$2,000,000	D = \$250,000 C = \$2,000,000	D = \$250,000 C = \$2,000,000		
ST-886	<b>Annual Street Overlays &amp; Preservation Program</b>	Citywide	\$7,800,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	Goal 4.1, Policy 4.1A, 4.2S	Council Goal 1 PSRC MPP-G-1, T-1, 2, 14
2	Maintain and preserve the integrity of the City's existing roadway surfaces through a combination of repair to major pavement failures, crack sealing of existing pavements to extend their usable life, and overlay pavements that are structurally declining.			D/C	D/C	D/C	D/C	D/C	D/C		
MP-033	<b>Commute Trip Reduction Program Annual Element</b>	Citywide								Goal 4.1, Policy 4.1A, 4.1B	Council Goal 1 PSRC MPP-G-1, T-1, 3, 5, 9, 14, 23, 24
3	Provide for review, approval, and monitoring of the Commute Trip Reduction (CTR) programs for major employers within the City.			(\$27,000 WSDOT)	(\$27,000 WSDOT)	(\$27,000 WSDOT)	(\$27,000 WSDOT)	(\$27,000 WSDOT)	(\$27,000 WSDOT)		
ST-834	<b>Pedestrian Crossing Program</b>	Citywide	\$600,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	Goal 4.1, 4.4 Policy 4.1A, 4.4A, 4.4C, 4.4F	Council Goal 1 PSRC MPP-G-1, T-1, 4, 14, 15, 16, 23, 24
4	Develop criteria and install infrastructure to facilitate safe pedestrian crossings.			C	C	C	C	C	C		
ST-887	<b>Intelligent Transportation Systems (ITS) Program</b>	Citywide	\$600,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	Goal 4.1, 4.2, Policy 4.1A, 4.2T	PSRC MPP-G-1, T-1, 3, 14
5	Implement Intelligent Transportation Systems Program to improve signal coordination and management, transit signal priority, roadway monitoring and response, ITS device management, and data collection. System could include communications equipment, traffic signal equipment, video surveillance and monitoring, video detection, or a satellite traffic management center.			C	C	C	C	C	C		
ST-162	<b>International Blvd Safety Improvements</b>	Throughout Corridor	\$500,000		\$250,000	\$250,000				Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.2R, 4.4A, 4.4C, 4.4F	Council Goal 1 MPP-G-1, T-1, 4, 14
6	Implement safety improvements identified in corridor study for collision reduction. Possible improvements assumed in cost estimates include four near-side traffic signals and improvements to discourage illegal pedestrian crossings.										



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Priority	Project Title and Description	Total Project Cost over 6-year TIP	2024	2025	2026	2027	2028	2029	Comp Plan TE	Council/PSRC
ST-141	<b>Airport Station Area Improvements</b> S 170th St to S 176th St	\$14,235,504	\$2,166,308	\$1,163,822	\$9,988,650	\$9,988,650			Goal 4.1, 4.4, Policy 4.1A, 4.3A, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G, 4.4H	Council Goal 1 MPP-G-1, T-1, 14, 15, 16, 23, 24
7	Combines CIP project scopes for ST-141, ST-N34, and ST-N64. Project Elements include installation/improvement of sidewalks; stand alone bicycle lanes, separating bicycles from vehicular traffic; underground of overhead utilities; intersection improvements at 32nd Avenue South and South 176th Street, and installation of decorative light fixtures, street furniture and artwork.		D/RW	D/RW	C	C				
ST-134	<b>S 204th St Improvements</b> 32nd Ave S to 34th Ave S	\$6,200,000	\$550,000	\$3,150,000	\$2,500,000				Goal 4.1, 4.4, Policy 4.1A, 4.3A, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G, 4.4H	Council Goal 1 MPP-G-1, T-1, 14, 15, 16, 23, 24
8	Reconstruct roadway and connectivity to 34th Ave S. Improvements to S 204th St will include: drainage, curb, gutter, sidewalks, lighting, shared bicycle lanes, and parking. Consolidated with projects ST-N19 (30th Ave S), ST-136 (32nd Ave S), and ST-N77 (S 202nd St).		D	D/ROW/C	C					
ST-126	<b>S 152nd St Improvements</b> 30th Ave S to Military Rd	\$6,008,000			\$800,000	\$2,208,000	\$3,000,000		Goal 4.1, 4.2, 4.3, 4.4, Policy 4.1A, 4.2J, 4.2P, 4.3A, 4.4A, 4.4D, 4.4E, 4.4G	Council Goal 1, 4 PSRC MPP-G-1, T-1, 14, 15, 16, 21, 23, 24, 26
9	Widen existing roadway and construct sidewalks, bicycle lanes/shared lanes, lighting, storm drainage, and on-street parking (where feasible). Provide access and circulation improvements for vehicle and pedestrian movements in support of redevelopment.				D = \$600,000 R/W = \$200,000	D/RW/C				
ST-161	<b>S 200th St</b> International Blvd to Military Rd	\$400,000				\$100,000	\$300,000		Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.2J, 4.2P, 4.2R, 4.4D, 4.4E, 4.4G	Council Goal 1, 5 PSRC MPP-G-1, T-1, 14, 15, 16, 17, 18, 21, 23, 24, 26
10	After completion of the SR509 Stage 1B and Federal Way Link Extension projects, update S 200th St Corridor Plan and begin design.					S/D	D			
ST-016	<b>34th Ave S, Phase 2</b> S 166th St to S 176th St	\$15,200,000	\$700,000	\$1,200,000	\$4,650,000	\$8,650,000			Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.2J, 4.2P, 4.2R, 4.4A, 4.4D, 4.4E, 4.4G	Council Goal 1 PSRC MPP-G-1, T-1, 4, 14, 15, 16, 23, 24, 26
11	Reconstruct roadway to collector arterial standards. Construct drainage, curb, gutter, shared bicycle facilities, and sidewalks. Install traffic calming measures. Underground utility lines.		D	D/ROW	C	C				
ST-157	<b>32nd Ave S Improvements</b> S 152nd St to S 154th St	\$3,200,000				\$300,000	\$900,000	\$2,000,000	Goal 4.1, 4.2, 4.3, 4.4, Policy 4.1A, 4.2J, 4.2H, 4.2P, 4.3A, 4.4A, 4.4D, 4.4E, 4.4G	Council Goal 1, 4 PSRC MPP-G-1, T-1, 9, 14, 15, 16, 21, 23, 24, 26
12	Reconstruct and widen roadway; install curb, gutter, storm drainage, bicycle lanes, sidewalk, lighting, and on-street parking.					D = \$150,000 R/W = \$150,000	D = \$300,000 C = \$600,000	C		



**2024 - 2029 Transportation Improvement Program**

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Priority	Project Title and Description	Total Project Cost over 6-year TIP	2024	2025	2026	2027	2028	2029	Comp Plan TE	Council/PSRC
ST-164	S 154th St 32nd Ave S and SR 518 Westbound Off Ramp	\$1,129,000					\$250,000	\$879,000	Goal 4.1, 4.2 Policy 4.1A, 4.2H	Council Goal 4 PSRC MPP-G-1, T-1, 9, 14, 21, 26
13	Install traffic signal at new 32nd Ave S intersection. This is consistent with the S 154th St Station Area Plan. This project is conditioned on realignment of SR518 WB off-ramp to S 154th St by WSDOT.						D	C		
ST-158	30th Ave S Improvements S 152nd St to S 154th St	\$1,000,000					\$200,000	\$800,000	Goal 4.1, 4.2, 4.3, 4.4, Policy 4.1A, 4.2J, 4.2H, 4.2P, 4.3A, 4.4A, 4.4D, 4.4E	Council Goal 1, 4 PSRC MPP-G-1, T-1, 9, 14, 15, 16, 21, 23, 24, 26
14	Reconstruct and widen roadway; install curb, gutter, storm drainage, sidewalk, lighting, and on-street parking.						D = \$150,000 R/W = \$50,000	D = \$200,000 C = \$600,000		
ST-116	Military Rd & S 160th St International Blvd to S 166th St	\$2,230,500				\$787,000	\$700,000	\$743,500	Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.1B, 4.2J, 4.2P, 4.2R, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G, 4.4H	Council Goal 1 PSRC MPP-G-1, T-1, 14, 15, 16, 23, 24, 26
15	Reconstruct and widen to provide for drainage, bicycle lanes and pedestrian facilities, upgrade existing signals, channelization, street lighting, continuous left turn lane, and underground overhead utilities. Reconfigure the section between 34th Ave S and Military Rd from four lanes to three lanes with a two way left turn lane, bicycle lanes, and a sidewalk on the north side.					D	D	ROW		
ST-N39	42nd Ave S S 160th St to Military Rd	\$1,417,204					\$141,720	\$1,275,484	Goal 4.1, 4.4, Policy 4.1A, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G, 4.4H	Council Goal 1 MPP-G-1, T-1, 14, 15, 16, 23, 24
16	Construct new separated bikeway and improved pedestrian facility.						D	C		
ST-069	S 208th St International Blvd to 28th/24th Ave S	\$350,000						\$350,000	Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.2J, 4.2P, 4.2R, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G	Council Goal 1 PSRC MPP-G-1, T-1, 9, 14, 15, 16, 17, 18, 23, 24, 26
17	Reconstruct roadway to urban minor arterial with pedestrian and separated bicycle facilities.							D=\$200,000 R/W=\$150,000		
ST-140	S 216th St Military Rd S to 35th Ave S	\$2,550,000				\$200,000	\$1,350,000	\$1,000,000	Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.2J, 4.2P, 4.2R, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G	Council Goal 1 PSRC MPP-G-1, T-1, 14, 15, 16, 23, 24, 26
18	Reconstruct roadway, install drainage, curb, gutter, sharrows, and sidewalks. Underground utility lines.					D=\$200,000	D=\$200,000 R/W=\$150,000 C=\$1,000,000	C		
ST-N22	S 152nd St 29th Ln S to 30th Ave S	\$200,000						\$200,000	Goal 4.1, 4.4, Policy 4.1A, 4.3A, 4.4A, 4.4C, 4.4D, 4.4E	Council Goal 1 MPP-G-1, T-1, 14, 15, 16, 21, 23, 24
19	Construct new pedestrian facility.							D = \$150,000 R/W = \$50,000		



**2024 - 2029 Transportation Improvement Program**

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ST-N53	S 152nd St	24th Ave S to 30th Ave S	\$250,000						\$250,000	Goal 4.1, 4.4, Policy 4.1A, 4.3A, 4.4A, 4.4D, 4.4E, 4.4G	Council Goal 1 MPP-G-1, T-1, 14, 15, 16, 21, 23, 24
20	Construct new separated bikeway and pedestrian facility.								D = \$200,000 R/W = \$50,000		
ST-044	S 198th St	International Blvd to 28th Ave S	\$3,100,000					\$920,000	\$2,180,000	Goal 4.1, 4.4, Policy 4.1A, 4.2P, 4.4A, 4.4E	PSRC MPP-G-1, T-1, 14, 26
21	Construct a new three lane roadway with sidewalks to provide an additional access point to the Angle Lake Station Area. Includes a roundabout at the intersection with 28th Ave S. On-street parking may be considered.							D/ROW	D/C		
ST-022	Military Rd S	S 128th St to S 150th St	\$3,100,000				\$550,000	\$550,000	\$2,000,000	Goal 4.1, 4.2, 4.4, Policy 4.1A, 4.1B, 4.2J, 4.2P, 4.2R, 4.4A, 4.4C, 4.4D, 4.4E, 4.4G, 4.4H	Council Goal 1, 4 MPP-G-1, T-1, 14, 15, 16, 21, 23, 24, 26
22	Reconstruct and widen to provide for drainage, bicycle lanes, and pedestrian facilities. Construct left turn lanes at high volume intersections.						D/ROW	D/ROW	C		
MP-069	Federal Way Transit Extension	S 200th St to Federal Way	\$0							Goal 4.1, 4.5, 4.9, Policy 4.1A, 4.5A, 4.5D, 4.5F, 4.9B, 4.9C	Council Goal 1 PSRC MPP-G-1, T-1, 9, 14, 15, 21, 23, 24, 26
Other Agency	Sound Transit (ST) is extending light rail from the Angle Lake light rail station on S 200th St in SeaTac to the Federal Way Transit Center, a distance of about 7.6 miles. In addition to building the light rail crossing of International Blvd, ST will also build WSDOT's SR509 bridge crossing under International Blvd.										



**2024 - 2029 Transportation Improvement Program**

Project No.

Annual projects to implement the Safe and Complete Streets Plan to construct pedestrian and bicycle facilities on selected streets. Projects shown in Table 4-5 in the TMP.

D - DESIGN  
 S - STUDY  
 ST - STREET PROJECT  
 ST-N - NON-MOTORIZED PROJECT  
 R/W - RIGHT OF WAY  
 C - CONSTRUCTION  
 MP - MISCELLANEOUS PROJECT

Priority	Project Title and Description	Total Project Cost over 6-year TIP	2024	2025	2026	2027	2028	2029	Comp Plan TE	Council/PSRC
ST-849	Lake to Sound Trail Des Moines Memorial Dr from S 188th St/S Normandy Park Rd to 8th Ave S	\$0							Goal 4.1, 4.4, 4.9, Policy 4.1A, 4.4A, 4.4B, 4.4D, 4.4E, 4.4G, 4.9B	Council Goal 1 PSRC MPP-G-1, T-1, 9, 14, 15, 16, 23, 24
Other Agency	This portion of the multi-jurisdictional Lake to Sound Trail projects is located in Burien. A bicycle/pedestrian trail would be extended south of SR 509 along Des Moines Memorial Dr to 8th Ave S. The improvements are being designed by King County. The Lake to Sound Trail would provided a trail connection from Lake Washington to Puget Sound.									
MP-043.1	SR 509 Extension Stage 1a & 1b 28th/24th Ave S to I-5	\$0							Goal 4.1, 4.2, 4.7, 4.9, Policy 4.1A, 4.2C, 4.2D, 4.2F, 4.2M, 4.9B	Council Goal 6 PSRC MPP-G-1, T-1, 9, 14, 17, 18, 26
Other Agency	Construct new, full access control freeway, with tolls, to connect the existing SR 509 freeway terminus with 28th/24th Ave S and I-5. Phase 1 includes two lane each way, with truck climbing lanes, between S 188th St and 28th/24th Ave S. Two lanes each way are planned between 28th/24th Ave S and I-5.									
WSDOT	S 204th St/34th Ave S/S 208th St/S 206th St Connector Road	\$0							Goal 4.1, 4.2, 4.9, Policy 4.1A, 4.2C, 4.2D, 4.2F, 4.2M, 4.9B	Council Goal 6 PSRC MPP-G-1, T-1, 9, 14, 17, 18, 26
Other Agency	This project is included with the extension of SR 509. Install sidewalks, street lighting, and utility infrastructure. This road provides circulation to the neighborhood after S 208th St is severed by SR509.									
MP-043.2	SR 509 Extension Stage 2 S 188th St/Des Moines Memorial Dr S to 28th/24th Ave S	\$0							Goal 4.1, 4.2, 4.9, Policy 4.1A, 4.2C, 4.2D, 4.2F, 4.2M, 4.9B	Council Goal 6 PSRC MPP-G-1, T-1, 9, 14, 17, 18, 26
Other Agency	Construct new, full access control freeway, with tolls, to connect the existing SR 509 freeway terminus at S 188th St/Des Moines Memorial Dr S with 28th/24th Ave S. Stage 2 includes two lane each way, with a full interchange at S 188th St/Des Moines Memorial Dr S.									
	Total Costs	#REF!	\$7,166,308	\$9,513,822	\$21,938,650	\$26,533,650	\$12,061,720	\$15,427,984		



**2024 - 2029 Transportation Improvement Program**

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and

Priority	Project Title and Description	Total Project Cost over 6-year TIP	2024	2025	2026	2027	2028	2029	Comp Plan TE	Council/PSRC
<b>Comprehensive Plan Transportation Element Goal</b>		<a href="http://www.seatacwa.gov/home/showdocument?id=21325">http://www.seatacwa.gov/home/showdocument?id=21325</a>								
4.1	For the benefit of SeaTac's residents, businesses, and visitors, promote the safe and efficient transport of people and goods by implementing and maintaining an integrated multi-modal transportation system that also supports and encourages alternative and active transportation modes.									
4.1a	Continue to plan for and implement a multi-modal transportation system that supports the safe, efficient and reliable movement of people, vehicles, and goods while balancing transportation needs with other community values.									
4.1b	Develop a multi-modal transportation system that preserves and protects natural resources, reduces adverse impacts on the environment, and complies with federal, state, regional, and local policies.									
4.2	Develop and maintain an arterial street and highway system that reduces regional and airport traffic on City arterials, and cost-effectively improves safety for all travel modes, manages congestion to reduce delays and the impacts of traffic diverting through neighborhoods, and enhances the look and feel of the City.									
4.2h	Work with WSDOT to revise the existing SR 518 interchange with International Boulevard and S. 154th Street consistent with the South 154th Station Area Plan and WSDOT's SR 518 Route Development Plan (RDP).									
4.2j	Align classification of streets and arterials to reflect their desired functional use. The functional classification system should be based on the volume of present/future traffic, design, multi-modal facilities, adjacent land uses, and consistency in connections with other agency transportation facilities.									
4.2p	Establish appropriate transportation design standards for arterials, and local streets based on balancing the functional classification needs of the facility and the needs of the adjacent land uses. The design elements should accommodate and encourage alternative and active transportation modes such as transit, HOV, pedestrians, and bicycles for each classification. Amenities should enhance the mobility options by providing an improved environment for all users.									
4.2r	Invest in improvements to arterials to meet current design standards including pedestrian and bicycle facilities, turn lanes, improved drainage, and enhanced traffic control and illumination. The improvements should be designed and constructed to improve safety, reduce maintenance costs, support economic development, reduce environmental impacts, and improve the quality of the transportation system for all modes									
4.3	Design and operate neighborhood streets to maximize safety of all appropriate travel modes, reduce cut-through traffic, and enhance the look and feel of the City's transportation system in a cost-effective manner.									
4.3a	Upgrade residential neighborhood streets with pedestrian and bicycle facilities and increased access to transit in alignment with pedestrian and bicycle network plans.									
4.4	Plan for and develop a system of transportation facilities for all users and all modes including pedestrians, transit users and bicyclists.									
4.4a	Promote safe pedestrian movement as a basic means of transportation and assure adequate pedestrian facilities, amenities and connections are provided for in conjunction with other transportation facilities and developments.									
4.4b	Coordinate with King County and other agencies to advance construction of the Lake to Sound Trail.									
4.4c	Work to design and construct arterials to include safe and attractive pedestrian facilities (including crossings) on both sides of the street.									
4.4d	Serve the City's residential areas with transit and a well-connected network of sidewalks and bicycle paths.									
4.4e	Prioritize safety and pedestrian capacity improvements on streets that provide access to schools, parks, transit facilities, public facilities, and within the Urban Center.									



**2024 - 2029 Transportation Improvement Program**

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Annual projects to implement the Safe and Complete Streets Plan to construct pedestrian and bicycle facilities on selected streets. Projects shown in Table 4-5 in the TMP.

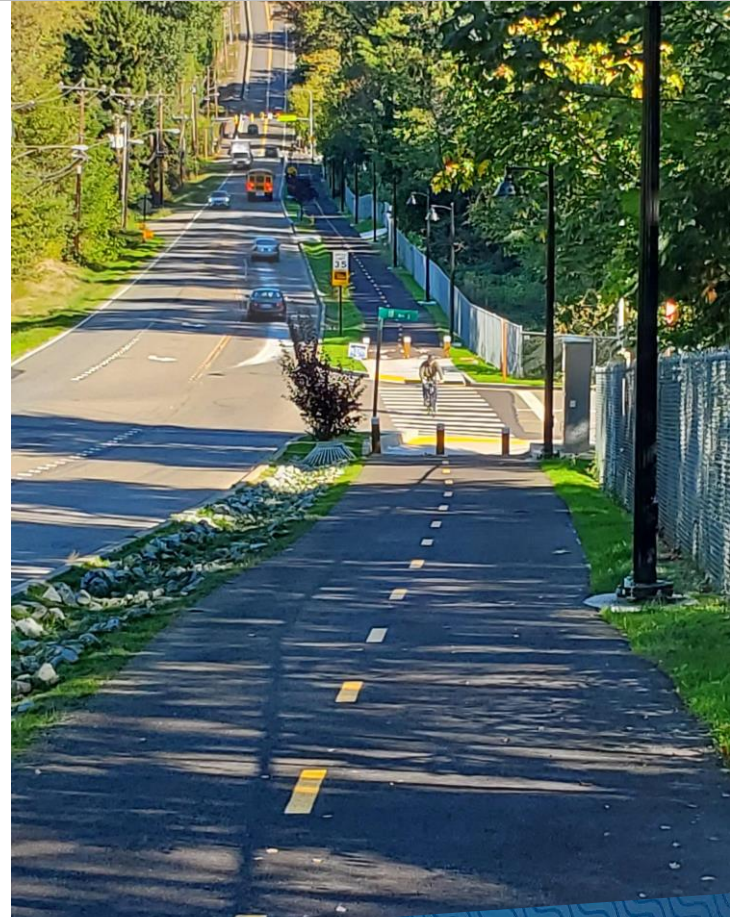
Priority	Project Title and Description	Total Project Cost over 6-year TIP	2024	2025	2026	2027	2028	2029	Comp Plan TE	Council/PSRC
4.4g	Develop and implement a network of bicycle facilities providing for safe, interconnected travel within the City and providing connections to regional facilities and major local destinations as described in the Safe and Complete Streets Plan.									
4.4h	Prioritize completing a north-south bicycle route east of International Boulevard between S. 188th Street and S. 160th Street.									
4.4i	Work to implement directional and way-finding signage to direct bicyclists to the desired bike routes and destinations within the City.									
4.5	Encourage the use of transit and other High Occupancy Vehicle (HOV)/multi-modal travel modes to more efficiently accommodate a larger proportion of existing and future travel in and adjacent to the City of SeaTac to reduce the adverse impacts of driving alone.									
4.8	Establish and maintain a consistent, sustainable, adequate, and equitable funding program to maintain, operate and improve the City's transportation system in a timely manner to support implementation of the City's Comprehensive Plan.									
4.8A	Prioritize transportation projects and programs that best improve safety and, connectivity, support economic growth, preserves prior transportation investments, and increases capacity of travel modes, reflective of available revenues.									
4.9	Actively coordinate with the Port of Seattle, WSDOT, and regional and local agencies to advance transportation projects and programs identified in this Transportation Element and in the Transportation Master Plan.									

<b>City Goals</b>	<a href="http://www.seatacwa.gov/home/showdocument?id=12893">http://www.seatacwa.gov/home/showdocument?id=12893</a>
<b>City Operations</b>	Continuously improve the effectiveness and efficiency of city government
<b>Community Engagement</b>	Actively engage the community to gather input on city governance and issues of concern
<b>Infrastructure Investment</b>	Improve the community by making capital investments
<b>Accountability</b>	Improve Public Safety
<b>Revenue and Development</b>	Steward the City's financial resources and promote economic development to ensure sustainability and future growth.



# 2024-2029 TRANSPORTATION IMPROVEMENT PROGRAM

TRANSPORTATION & PUBLIC WORKS COMMITTEE MEETING  
APRIL 20, 2023



# PRESENTATION OVERVIEW

## PURPOSE OF PRESENTATION

Staff to provide Committee an overview of the 2024-2029 Transportation Improvement Program.

Review and discuss/confirm Council goals and priorities as it relates to the 6-year TIP.

## WHY IS THIS ISSUE IMPORTANT?

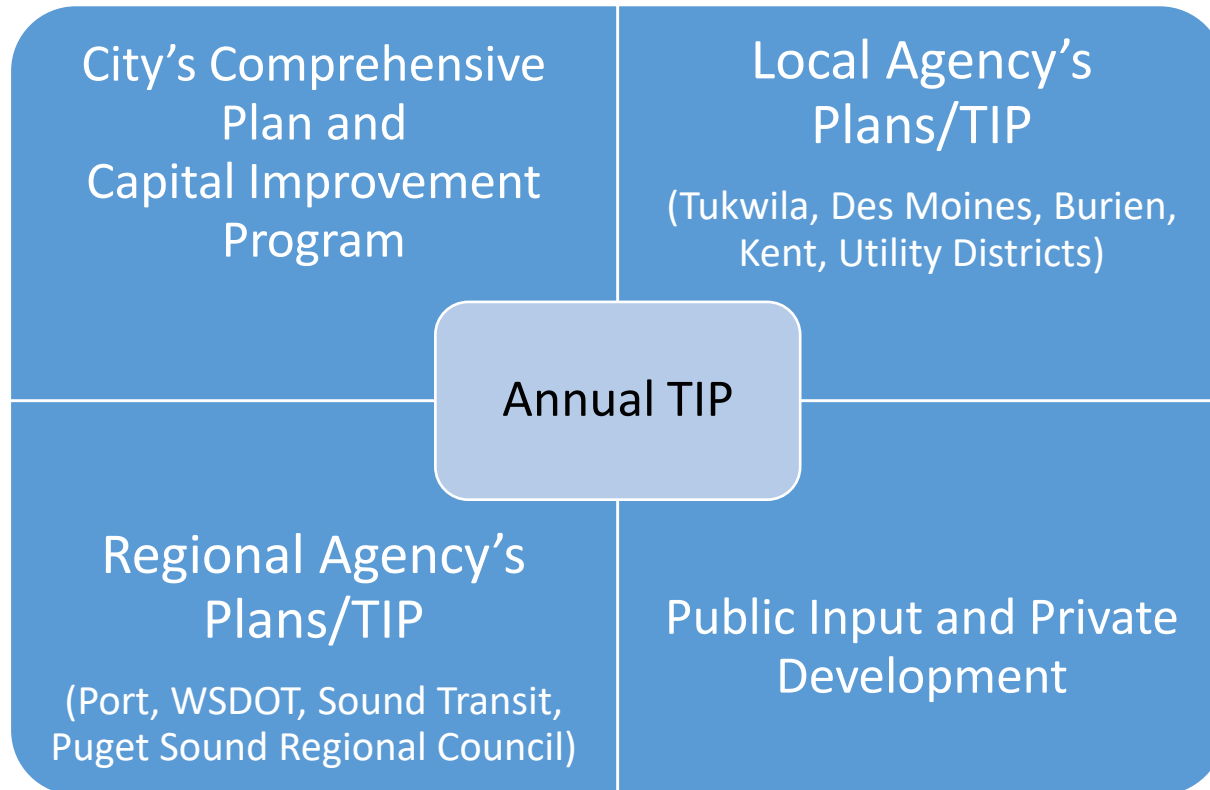
1. The Transportation Improvement Program (TIP) identifies serves as a work plan to deliver City transportation projects for the next six years.
2. The TIP helps strategically align the City's transportation projects with the following:
  - City's Comprehensive Plan
  - City's Capital Improvement Plan
  - Neighboring Cities' TIP
  - Outside Agency's Plans/TIP (Port, WSDOT, Sound Transit, Puget Sound Regional Council)
3. In most cases, City transportation projects identified in the TIP becomes eligible for grant funding.
4. The TIP brings the City in compliance with the State's Growth Management Act and State Law (RCW 35.77.010).



# 2024-2029 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

## ANNUAL TIP UPDATE PREPARATION

- The 2024-2029 TIP updates current project list with consideration from several sources



# 2024-2029 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Consideration for prioritizing projects include (but not limited to) several factors:



# 2024-2029 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

## PROGRAMMATIC TIP PROJECTS, funded annually



### ST-N# PEDESTRIAN IMPROVEMENT PROJECT

- Projects determined by recommendations from Sidewalk Advisory Committee



### Annual Street Overlays & Preservation Program

- Locations identified in 2017 Pavement Management Report
- Maintenance records also factor in location selections



### Commute Reduction Program Annual Element

- To comply with state law RCW 70.94.521



### Pedestrian Crossing Program

- Program to identify locations for new marked crosswalks or to enhance existing crosswalks



### Intelligent Transportation Systems (ITS)

- Plan and program to address City's traffic management system

# 2024-2029 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

CAPITAL PROJECTS (PLEASE SEE ATTACHED SPREADSHEET)



# Council Goals

## Committee Discussion

Committee to review and discuss/confirm Council goals and priorities as it relates to the 6-year TIP. Guidance provided by the Committee will help in adjusting the TIP which staff will then bring back in a future meeting for review.

### Goals



#### **Promote Our Neighborhoods**

Develop urban villages around light rail stations that promote programs and activities to create a sense of place, while maintaining single-family neighborhoods.



#### **Build Effective & Accountable Government**

Increase community trust through better community engagement, collaboration, and transparency.



#### **Create & Preserve Housing**

Ensure access for all to adequate, safe, and affordable housing, and basic human services.



#### **Expand Green & Public Spaces**

Enhance the community by maintaining and improving parks and community spaces.



#### **Increase Connectivity & Safety**

Create a more cohesive city by investing in infrastructure and leveraging partnerships to promote pedestrian mobility, public safety, and access to public transit.

# POTENTIAL COMMITTEE ACTION

## COMMITTEE ACTION REQUESTED

- Staff requests high-level guidance and input from the Committee on the 2024-2029 TIP ahead of staff refining the TIP prior to Council action.
- Next Steps:
  - Staff present FINAL 2024-2029 TIP on 5/25/23 TPW Meeting.
  - TPW Committee action is requested at the 5/25/23 Meeting (move TIP forward for Council review and action with a recommendation to approve).
  - Public hearing will be held at the 6/13/23 RCM prior to final Council action on passing a Resolution adopting the 2024-2029 TIP.
  - The adopted 2024-2029 TIP will then be submitted to the Washington State Secretary of Transportation and other agencies.







# MEMORANDUM

To: Transportation and Public Works Committee  
Through: Kamal Mahmoud, Engineering Manager  
From: Paul Muppidi  
Date: April 20, 2023  
Subject: ST-134 South 204<sup>th</sup> Street, 30<sup>th</sup> Avenue South & 32<sup>nd</sup> Avenue South Project

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## **Purpose:**

This item is being brought before the Transportation & Public Works (T&PW) Committee to forward to Council for review and action, with a recommendation to approve an Ordinance that would:

- Authorize entering into a professional services contract with Perteet, Inc. to provide design services for the South 204<sup>th</sup> St, 30<sup>th</sup> Avenue South & 32<sup>nd</sup> Avenue South Project.
- Authorize amending the City's 2023-2024 Biennial Budget by increasing expenditures in the Transportation CIP Fund (307) by \$325,030 to fund design work in 2023 and 2024.

## **Background:**

The availability of WSDOT SR 509 Mitigation funding has allowed Public Works to move forward with street and pedestrian improvements along the following corridors:

- 30<sup>th</sup> Avenue South and 32<sup>nd</sup> Avenue South between South 200<sup>th</sup> Street and South 204<sup>th</sup> Street;
- 204<sup>th</sup> Street between 30<sup>th</sup> Avenue South and the future 34<sup>th</sup> Avenue South; and
- 202<sup>nd</sup> Street to provide a pedestrian sidewalk link between 30<sup>th</sup> Avenue South and 32<sup>nd</sup> Avenue South.

The preceding corridors are mentioned in the Transportation Master Plan as a Multi-Modal Transportation Improvement Project. Despite not being programmed in the 6-year Transportation Improvement Program (TIP), Madrona Elementary School requested these safety improvements along 30<sup>th</sup> Avenue South and 32<sup>nd</sup> Avenue South from South 204<sup>th</sup> Street to South 200<sup>th</sup> Street. Due to the proximity of the new 34<sup>th</sup> Avenue South work in combination with the programmed work on this project, this is an excellent opportunity to also integrate 32<sup>nd</sup> Avenue South, 30<sup>th</sup> Avenue South, and South 202<sup>nd</sup> Street improvements into one cohesive project.

Proposed capital improvements will include, but are not limited to: paving, ADA curb ramps, landscaping, pedestrian lighting, improved storm drainage infrastructure, curb, gutter, rectangular rapid flashing beacons (RRFB), on-street parking, traffic calming, and an overall safer transportation facility for residents and for students at Madrona Elementary School.

Public Works is seeking to move forward with the design of this project to maintain a schedule that will build these improvements in 2024, before the construction of the new 34<sup>th</sup> Avenue South, which is part of the SR509 project that is being constructed by WSDOT. This schedule will also relieve the City of SeaTac from having to undertake and manage the additional traffic that will be generated from the new 34<sup>th</sup> Avenue South. To preserve this timeline, Public Works will strategically not be seeking federal funding. Instead, Public Works will be seeking State funding such as Transportation Improvement Board (TIB) funds. In the past, the City has been successful in receiving grants through the TIB and has prospects of receiving funds for future projects.

The timeline required to use the WSDOT funding, coupled with the limited capacity of City staff, necessitates that design work be contracted out for completion. A consultant selection process was conducted in accordance with RCW Chapter 39.80. Three consultants were solicited from Municipal Research and Services Center (MRSC) based on qualifications. A selection committee comprised of three staff members interviewed each consultant team and scored each presentation. Perteet was selected as the most qualified firm to design the project. Perteet’s contract scope will include development of contract bid documents including plans, specifications, and an engineer’s estimate for construction. Scope will also include right-of-way services support, conceptual design services, community outreach, and grant application support to City staff.

**PROJECTED FUNDING AVAILABLE FOR 2023 OVERLAY PROJECT**

Transportation CIP (307 Fund)	
Year 2023	\$300,000
Year 2024	\$300,000
<hr/>	
<b>Total Available Funding</b>	<b>\$600,000</b>

**DESIGN EXPENDITURES**

Perteet Inc. Professional Design Services	\$925,030
<b>Total Expenditures</b>	<b>\$925,030</b>

As shown above, the design scope provided by Perteet results in a design services contract totaling \$925,030 which includes a 10% contingency. The funding currently allocated for design of this project in 2023 and 2024 is not sufficient. Accordingly, staff is preparing an Ordinance for the May 9, 2023, regular council meeting that would amend the 2023-2024 Biennial

Budget by increasing expenditures in the Transportation CIP (307 Fund) by \$325,030 to fund design efforts.

**Options:**

1. Do not proceed with authorization of this design services contract at this time.
2. Proceed with this design services contract.

**EXHIBIT A**  
**SCOPE OF SERVICES**  
**City of SeaTac**  
**South 204th Street, 30th Avenue South, and 32nd Avenue South**

City Project Number: ST-134

## INTRODUCTION

The overall objective of this project is to prepare a bid package for improvements to S 204th Street, 30th Avenue S, and 32nd Avenue S, and S 202<sup>nd</sup> Street. Elements of this project will include the details and plans for the sidewalk and roadway improvements, pedestrian crossing improvements, stormwater, lighting, landscaping, survey and base mapping, geotechnical investigation, public outreach, right-of-way acquisition services, environmental permitting and documentation, and utility coordination for necessary relocations. Design support during construction will be included in a separate phase. The design phase will be funded with SR 509 State mitigation funding that the City is receiving from WSDOT and local funds. The construction phase is to be funded by SR 509 State mitigation funding and local funds and State funding.

See Figure 1 on the next page for a map of the proposed pedestrian improvements. The proposed pedestrian improvements include addition of curb, gutter, and sidewalk on: the western side of 30th Avenue S from S 202<sup>nd</sup> Street to S 200<sup>th</sup> Street, the eastern side of 32nd Avenue S from S 204th Street to S 200th Street, S 202<sup>nd</sup> Street from 32<sup>nd</sup> Avenue S to 30<sup>th</sup> Avenue S, and on the southern side of S 204th Street from 32nd Avenue S to the limits of WSDOT's improvements for the new 34th Avenue S roadway. Illumination will be analyzed and upgraded on all project segments. Crossing improvements will be analyzed and implemented at the following locations outside of Madrona Elementary School:

- Marked crossing location across S 204th Street at 30th Avenue S.
- Installing RRFBs at:
  - the crossing across S 204th Street at 30th Avenue S
  - the crossing across 32nd Avenue S at S 202nd Street
  - the crossing across 30th Avenue S at S 202nd Street

The City of SeaTac's standard roadway section(s) will be implemented for the areas with curb, gutter, and sidewalk improvements where feasible. Applicability and effectiveness of traffic calming treatments appropriate for the roadway cross-section will be assessed and implemented. Pavement will be analyzed for grind and overlay treatment, with consideration for limits on each segment in the project area. The project will also include design of a new pedestrian connection on S 202nd Street from 30th Avenue S to 32nd Avenue S, prioritizing the southern side of the

roadway. Other project design elements will include necessary cut and fill retaining walls to accommodate the roadway improvements as well as triggered stormwater conveyance, detention, and water quality treatment.

Right-of-way, permanent, and construction easements will need to be acquired to construct the improvements. Environmental documentation and permitting will be in accordance to support SEPA

It is anticipated that overhead and underground utility relocations, per franchise agreement, may be required to accommodate the proposed improvements. Utilities include PSE power and gas, Highline Water District #75, Midway Sewer District, telecommunications, cable, and internet.

Consultant's services will be limited to those expressly set forth herein. If the service is not specifically identified herein, it is expressly excluded. Consultant will have no other obligations, duties, or responsibilities associated with the project except as expressly provided in this Agreement.

Transferring Budget within Contract Maximum: The level of effort is specified in the scope of services. The budget may be transferred between discipline tasks at the discretion of the Consultant, provided that the total contracted amount is not exceeded. The Consultant will have the flexibility to manage budget within a given discipline on a subtask level.



Figure 1. Pedestrian Improvements.

Services provided by the Consultant will consist of:

## GENERAL SCOPE OF SERVICES

This Scope of Services describes the work elements to be accomplished by the Consultant as summarized under each Task. This scope consists of the following elements:

- Task 1 – Project Management and Coordination
- Task 2 – Options Analysis
- Task 3 – Utility Coordination
- Task 4 – Survey and Basemapping (Furtado & Associates)
- Task 5 – Geotechnical Investigations (HWA GeoSciences)
- Task 6 – Environmental Documentation and Permitting
- Task 7 – Community Engagement (Stepherson & Associates Communications)
- Task 8 – Grant Assistance
- Task 9 – 30% PS&E (Perteet and HBB)
- Task 10 – 60% PS&E (Perteet and HBB)
- Task 11 – 90% PS&E (Perteet and HBB)
- Task 12 – Final PS&E (Perteet and HBB)
- Task 13 – Ad-Ready Contract Documents
- Task 14 – Maximum Extent Feasible (MEF) Documentation
- Task 15 – Right-of-Way Plans (Furtado & Associates and Perteet)
- Task 16 – Bid Support (Perteet and HBB)
- Optional Services – Various tasks, including Task 17 – Right-of-Way Acquisition (Commonstreet Consulting)

### Optional Services

With prior written approval by the City and written notice-to-proceed, work elements described in this scope of services as optional services (as directed) may be produced by the Consultant.

This Scope of Services is defined in the tasks below.

### Project Assumptions

The duration that this scope of services is intended to cover is not assumed to be longer than 15 months.

The design phase project funding is all local funds. The construction phase is assumed to include local and State funding. This scope assumes final funding sources will be determined and remain unchanged prior to the start of 60% design.

This Scope of Services is defined in the tasks below.

## SCOPE OF SERVICES DEFINED

### Task 1 – Project Management and Coordination

#### 1.1 Project Coordination with City

The Consultant will coordinate with the City of SeaTac on a regular basis to keep the City's project manager informed about project progress, project issues and schedule. Regular communication with the City will occur via status check-ins on a weekly basis on average, to provide summaries of work completed and anticipated forthcoming work and coordination needs.

The Consultant will attend one (1) project kickoff meeting with the City and up to 65 weekly status check-ins with the City. These meetings under this work element will include the following participation by the Consultant team.

#### Assumptions:

- Coordination with City will include regular status check-ins meetings which are assumed for budgeting purposes to be half-hour weekly virtual meetings with up to two Perteet staff regularly, and up to three for approximately half of the meetings.
- Project kickoff meeting will be held virtually over Microsoft Teams.
- Project kickoff meeting will include attendance by Perteet discipline leads, with up to three (3) staff from Perteet.
- Project kickoff meeting will include subconsultants, HBB (up to two (2) staff), HWA GeoSciences (up to one [1] staff), Stepherson & Associates (up to two [2] staff), Commonstreet (up to one [1] staff), Furtado and Associates (up to one [1] staff).
- Subconsultant attendance at check-in status meetings related to design work will be included under those individual design tasks.
- Meetings between Consultants will be conducted under other scope tasks.
- The Consultant will prepare agendas and meeting notes/action items and distribute to attendees.

#### Deliverables:

- Kickoff Meeting Agenda and Summary of Meeting Notes/Action Items (PDF format)
- Check-in Status Meeting Notes and Action Items (email format)



## 1.2 Project Schedule, Budget, and Team Management

The Consultant will develop an overall project schedule, which will include a detailed schedule by task, for the project phases, through bid advertisement for the full project. The Consultant will prepare a draft and final schedule for the City review using Microsoft Project, and then the Consultant will prepare two (2) schedule updates as the project progresses, when requested by the City. The Consultant will also manage the Consultant budgets, monitor staff and subconsultants, manage change and prepare amendments, and monitor work progress under this work element.

The Consultant will keep a log of potential change management items. This will include a justification for inclusion in the project, and a summary of impacts to the scope/schedule/budget.

### Assumptions:

- The schedule will be developed assuming no federal funding.
- No out-of-scope work will be performed without prior written approval from the City.
- The Consultant recognizes and agrees that if a change is made substituting or changing assigned key personnel, the Consultant shall be responsible for any and all costs with the “Transfer of Knowledge and Information.” The Transfer of Knowledge and Information shall be defined to include the labor hours spent reviewing project documentation, participating in meetings with Project personnel, and participating in site visits to normalize oneself with the Project and project location(s). The Agency shall not pay for any time spent for the “Transfer of Knowledge and Information.”

### Deliverables:

- Project schedule (Microsoft Project Format) (Draft and Final)
- Up to two (2) additional schedule updates
- Updates as needed to Change Management Log

## 1.3 Progress Reports and Invoices

As part of the project, the Consultant will prepare monthly progress reports that describe the work items and percentage of work items that were accomplished during a given month, as well as a forecast of work to be completed over the following month. Progress report will include a status of budget, spent, and remaining. The monthly progress reports will also identify other issues that may be occurring, if any. The Consultant will submit these monthly progress reports to the City’s Project Manager with the monthly invoices. The monthly invoices will bill by individual tasks. The Consultant Project Manager will notify City’s Project Manager, in writing (memo format), of any out of scope and/or budgetary issues that are inconsistent with this Scope of Services.

### Deliverables:

- Up to 15 Monthly Invoices and Progress Reports

## Task 2 – Options Analysis

The Consultant will develop options for specific project elements, compare those options, and ultimately recommend via coordination with the City a refined project scope of improvements to be implemented. Project elements to be defined in this task include:

- Conceptual roadway sections for each location receiving improvements.
- Traffic calming treatment(s)
- Crossing enhancements, specifically locations for Rapid Rectangular Flashing Beacons (RRFBs) and locations for midblock crossing(s)

### Assumptions:

- Up to three (3) RRFB locations will be considered.
- Up to two (2) mid-block crossing locations will be considered.
- Up to two (2) roadway section alternatives will be considered for S 204<sup>th</sup> Street.
- Only one (1) roadway section option will be proposed for each of the remaining roadway segments:
  - 30<sup>th</sup> Avenue S
  - 32<sup>nd</sup> Avenue S
  - S 202<sup>nd</sup> Street
- No bicycle facilities will be considered for implementation.

### 2.1 GIS Basemap

The Consultant will create a basemap by combining existing basemaps made available by the City (if any), GIS, and aerial imagery. This basemap will use pre-existing layer conventions and symbology, modified as necessary to clearly demonstrate the concept design and key impacts on existing features. The intent for this basemap is for use during for the concept design phase.

### Assumptions:

- Available GIS will include pavement edge delineation, right-of-way delineation, and roadway centerline delineation.
- Aerial basemaps will sufficiently show the existing surface features, requiring only minimal refinement.

### 2.2 Site Reconnaissance

A site walk-through will be conducted with City staff to identify key areas of need and significant design constraints. The site walk will also include measurements to supplement the GIS basemap.

### Assumptions:

- Up to four (4) Perteet staff will attend the site walk.

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## 2.3 Design Options Analysis

The Consultant will develop feasible project options for the elements not yet defined, as listed in Task 2. The Consultant will then compare those options, examining impacts and effectiveness in meeting project goals, and develop recommendations for which options to implement.

### Roadway Sections

The Consultant will develop conceptual roadway section exhibits using StreetMix or similar program. The purpose of these sections will be to establish any deviations from the City's standard roadway sections. For S 204<sup>th</sup> Street between 32<sup>nd</sup> Avenue S and the proposed new 34<sup>th</sup> Avenue S, sections will compare options for proposed roadway, sidewalk, and lane widths. Sections will consider options for a pedestrian facility on the southern side of S 202<sup>nd</sup> Street between 30<sup>th</sup> Avenue S and 32<sup>nd</sup> Avenue S. Section exhibits prepared for this task will not demonstrate or consider vertical elements. Instead, the Consultant will identify and note anticipated vertical elements, such as walls, required by the sections.

### Traffic Calming

The Consultant will develop an evaluation matrix to compare potential traffic calming treatments, their benefits, and their impacts. The City's standard residential roadway section includes a through lane and parking lane on each side of the roadway. The City has a history of implementing curb bulbs for traffic calming and is interested in considering other options that may be more appropriate and effective. The primary focus in developing and analyzing traffic calming options will be to mitigate the potential for increased speeding behaviors resulting from a wider proposed roadway section on the project's residential roadways. The Consultant will evaluate traffic calming treatments using the Federal Highway Administration's Traffic Calming ePrimer online resource, Puget Sound local agency traffic calming toolboxes, and the Consultant's past project experience. Up to four (4) geometrically feasible options will be considered, which may be of a uniform type or a combination of treatments. The evaluation matrix will compare the following for all options: complexity, order-of-magnitude cost, maintenance of parking, green space impacts, right-of-way needs, and anticipated order-of-magnitude speed reduction effectiveness.

### Crossing Enhancements

The Consultant will consider up to three locations for RRFB implementation at the intersections noted in the assumptions, and up to one mid-block crossing location. Options developed will determine placement of the RRFBs and mid-block crossing also consider ADA curb ramps needed. Options analysis for crossing enhancements will consider input from coordination with school authorities on pedestrian needs, as well as desired location and types of crossings. Coordination with school authorities will be per Task 2.4 Design Support for Community Engagement and Task 7 Community Engagement (Stepherson & Associates Communications).

### Design Options Memo

The Consultant will produce a Design Options Memo to compile the developed option exhibits and provide option recommendations based on the findings of the analysis. The memo will outline anticipated impacts to the project from each recommended option, such as additional necessary

design elements. The Consultant will submit a Draft version of the memo to the City for comment and review. The Consultant will resolve comments received by the City and make appropriate changes to the analysis and recommended options to incorporate those comments in a final version of the memo. The final version of the memo only will include a roll plot exhibit to show the selected options in plan view. This roll plot exhibit will be limited to the layout of surface elements, namely roadway and pedestrian improvements.

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**Assumptions:**

- Available GIS will include pavement edge delineation, right-of-way delineation, and roadway centerline delineation, underground utility lines, and utility casting locations.
- Aerial basemaps will sufficiently show the existing surface features, requiring only minimal refinement.

**Deliverables:**

- Draft Design Options Memo (PDF)
- Final Design Options Memo with roll plot (PDF)

## 2.4 Design Support for School Engagement

The Consultant designers will conduct with Stepherson & Associates up to two meetings with school authorities for Madrona Elementary school to coordinate design options prior to PS&E development. The purpose of these meetings will be to gain an understanding for needs of the school and the population it serves as they pertain to the project, and to share project information with the school authorities. Preparation of exhibits is included.

**Assumptions:**

- Stepherson & Associates' time for this task is included under Task 7.
- Up to two (2) meetings in-person are assumed for up to a one-hour duration. Up to two (2) Perteet staff will attend.
- Up to two (2) total 11x17 exhibits will be prepared as visual aids for the meetings.

**Deliverables:**

- Two (2) 11x17 exhibits (PDF, and paper copies for meeting attendees)

## 2.5 Coordination with WSDOT

WSDOT's SR 509 project includes construction of a new roadway, 34th Avenue S, which will tie into the eastern end of S 204th Street once completed. Expected timeframe for completion is in Q3 or Q4 of 2024. Coordination with WSDOT and their design team for the extension of 34th Avenue S as part of the SR 509 expansion project will be initiated during the Options Analysis phase. This initial coordination will include up to one (1) Consultant-led meeting with WSDOT and their design staff to understand their project footprint, scope, and schedule; obtain electronic design files for incorporation into design; and establish a plan for future project coordination during PS&E development. This coordination will occur primarily through a single coordination meeting during this Options Analysis phase, as well as information exchange via email or other communications methods.

**Assumptions:**

- Up to one (1) virtual meeting is assumed for up to a one-hour duration. Up to two (2) Perteet staff will attend.

- No additional exhibits will be prepared by the Consultant team for the meeting.
- Continuing coordination with WSDOT beyond the effort scoped in this task is included in PS&E development tasks.

**Deliverables:**

- One(1) Meeting Agenda and Summary of Meeting Notes/Action Items (PDF format)

**Task 3 – Utility Coordination**

The Consultant will provide utility coordination for the project, which will include providing utility franchises (PSE power and gas, Highline Water District, Midway Sewer District, Comcast, and CenturyLink) with project information, copies of each PS&E submittal, and identification of potential utility conflicts. The Consultant will coordinate and manage the potholing efforts through the design phase. The Consultant will also prepare and maintain a utility coordination log, and conflicts and resolution spreadsheet, both of which will be maintained and updated throughout the design phase of the project.

**3.1 Utility Coordination**

The Consultant will coordinate with the various public and private utilities along the project. Coordination will include working with the identified utilities to allow for each to be included under the City's project permits and environmental documents.

Services provided by the Consultant under this subtask will include:

- Preparing and maintaining a utility coordination contact log containing company addresses, contact staff, e-mail addresses, and phone numbers.
- Acquire and review record drawings of existing utilities within the project limits. The Consultant will request the utility information for each utility purveyor, including filing necessary intake forms. Then review the existing basemapping for the project and verify the locations and presence of the utilities. Discrepancies with the existing basemap will be coordinated by the Consultant with each utility, and changes to the basemap will be updated by the Consultant.
- Coordinate and attending up to two (2) separate meetings with specific utilities as needed (assume total of two [2] meetings). The Consultant will prepare meeting agendas and notes.
- Prepare a Utility Conflicts Spreadsheet. Track potential utility conflicts and resolution of those conflicts throughout the project in the spreadsheet. This includes identification of pothole needs.
- Provide the utility owners with electronic (PDF) copies of the 30%, 60%, 90%, and Final plan sheets, as well as potential conflict locations.
- Coordination with Puget Sound Energy for new electrical services for lighting systems and associated construction and service fees

- Coordinate with the applicable utility franchises to perform potholing explorations during the 60% PS&E design phase. It is assumed that each utility franchise has an Agreement with the City and will use a utility locate service or its own forces for potholing of their own facilities. The Consultant team will conduct potholing for those locations that will not be provided by a franchise utility (see Task 4.2).

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**Assumptions:**

- It is assumed that coordination will only be for the following utility franchises exist along the project:
  - Power (Puget Sound Energy [PSE])
  - Gas Distribution (Puget Sound Energy)
  - Cable (Comcast and CenturyLink/Lumen)
  - Water (Highline Water District)
  - Sewer (Midway Sewer District)
- Meetings under this task are all assumed to not exceed one (1) hour in duration.
- Stormwater is assumed to be fully under the jurisdiction of the City and coordination for this utility will be performed as part of stormwater design in the PS&E tasks.
- Incorporation of utility franchise design, such as new or upgraded waterlines, into the contract documents is not included in this Scope of Services but could be provided as an additional service, to be performed under a Supplement to this Agreement.
- It will be reasonably feasible to design to avoid utility relocations within the current scope.
- City will verify the terms of all franchise agreements, including the responsibilities for potholing and relocations of franchise owned utilities.
- The effort required for this task will be limited to the amount budgeted for this task.
- There will be up to eight pothole locations that will not be provided by a franchise utility.

**Deliverables:**

- Utility conflict spreadsheet – updated with potholing results for each meeting (hard copy and electronic copy)
- Meeting notes (assume two [2] meetings total) (email)
- Separate half-size utility plan sheets with conflicts noted (with 60% and 90% submittals) (PDF)
- Half size 30%, 60%, 90%, and Final PS&E plan sets sent to applicable utility franchises (PDF)
- Distribution of pothole results to utilities

**3.2 Utility Coordination QA/QC Deliverables**

An internal Consultant quality assurance/quality control review of deliverables for this Task will be conducted, as well as confirmation that comments received have been addressed. A record of comments received will be maintained. Response to each comment received will be tracked to confirm that they have been addressed.

**Deliverables:**

- Comment responses, in the original format in which comments were received.
- QA/QC documents for: Utility conflict and relocation spreadsheet, separate half-size utility plan sheets with conflicts noted (with 60% and 90% submittals).

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## Task 4 – Survey and Basemapping (Furtado & Associates)

The Subconsultant will perform topographical survey and prepare basemapping for the Project. The survey limits consist of portions of S 204th Street, S 202nd Street, 30th Avenue S, and 32nd Avenue S corridors, as shown in Figure 2. The survey and mapping will consist of ROW to ROW S 204th Street and S 202nd Street and road centerline to ROW at 30th Avenue S, and 32nd Avenue S. Survey will extend 10' beyond ROW boundary.

### 4.1 Control Survey

The Subconsultant shall perform control surveys for the project, including datum control surveys, ground control for topographic completion surveys, and control surveys for road rights-of-way. Parcel boundary calculations will not be conducted at this level of project design. Any property corners discovered during the field survey will be surveyed and included in the project basemaps.

### 4.2 Sub-Surface Utility Location

#### As-Built Underground Features (Sanitary and Storm Sewer):

- Rim and invert elevations of accessible structures within the project limits.
- Structure type (i.e., inlet, catch basin, manhole, etc.)
- Size of structure (diameter and dimensions if a rectangular structure.)
- Orientation of structure.
- Pipe and structure material.
- Provide utility test-holing for up to eight (8) test-holes and survey test-hole locations after test-holing has been completed.

### 4.3 Topographic Field Survey

A professional surveyor, licensed in the State of Washington will perform ground-based topographic surveys to generate existing condition basemaps at a 1"=20' scale and prepare 1' contours generated with a digital terrain model (DTM). The survey will include but is not limited to the following elements within the right-of-way:

**Transportation Features:**

- Survey roadway centerline
- Top and bottom of curb (flowline)
- Back of sidewalk and at grade changes
- Pavement type
- Driveways
- Street lighting
- Landscaping strips
- Sidewalks
- Channelization (signing and striping include cross walks, bike lanes, and painted curbs)
- Bus stop locations
- Traffic signals and appurtenances including dimensions of pole foundations
- Height of signal poles and street light poles
- Traffic signal loops, if visible
- Hand holes with their size and orientation
- Curb ramps
- Existing survey monuments
- A sufficient number of survey shots shall be collected to determine the approximate location of the road crown and to construct a surface model adequate to generate 1' contours and a roadway and curb profile

**Outside of Right-of-Way (if able to survey from ROW):**

- Building faces
- Fences and gates
- Mailboxes
- Steps and stairways
- Back of sidewalk and driveway

**Curb Returns:**

- Top and bottom (flowline) of curb at PC/PT and the quarter points of each curb return.
- Survey shots shall be taken in the area between the curb return and the right-of-way such that horizontal and vertical information is available to support the design of new curbs, curb ramps, and surrounding sidewalk.

**Surface Utilities:**

- Survey surface utility features and elevations of water, sanitary sewer, storm sewer, gas, electric, and telecommunications including, manholes, vaults, catch basins, inlets, valves, hydrants, cleanouts, and other similar items.
- Survey paint marks placed on the ground by the private utility locator.

**Landscaping and Natural Features:**

- Locate general edge of large areas of vegetation
- Trees:
  - Type (evergreen or deciduous symbol, labeled trunk and drip diameter)
  - Tree size (6" diameter or greater at design breast height (DBH))
  - Tree canopy diameter (as measured on aerial photos or equivalent, shown in text only on the basemap)

**4.4 Survey QA/QC of Deliverables**

The Subconsultant will develop and execute a Project Quality Management Plan. Quality Management will be overseen by the Project Manager, with quality records stored in electronic format.

**Assumptions:**

- Outreach notices will be performed by City.
- Right of entry will be secured by the City. City will take the lead on coordinating directly with right-of-entry for landowners refusing entry. In no case shall survey personnel enter private property prior to the right of entry being obtained. Necessary Right-of-Entries (ROE) will be provided by City of SeaTac for properties in a timely manner prior to deployment of field activities. Inability to provide ROE in a timely manner prior to deployment will result in a delay and additional effort outside the scope stated here within. Unrestricted access will be provided to site prior to survey work being performed.
- Survey will be completed within ROW, up to nine (9) residential parcels and provided ROEs are received in a timely manner, from ROW up to the building face of the living space structure parallel to the ROW for the purpose of assessment of proximity damages. Survey will include elements stated in Task 4.4 Topographic Field Survey.
- The City will order and provide up to thirteen (13) title reports for each of the land parcels adjoining and/or underlying the survey corridor.
- Per City of SeaTac requirements, a Traffic Control Plan (TCP) and Class C ROW Permit application will be prepared and submitted to the City for approval. Permit fees shall be waived by the City.
- No utility test-holes will be necessary. This service can be provided as an Optional Service.
- Grind and overlay.
- CAD template with layers appropriate for the standard will be provided to Furtado prior to any field work being performed.
- Basemapping will be provided in: Civil3D 2020 using City of SeaTac CAD standards. The City shall provide the CAD standards two-weeks prior to work being performed.
- Basemap versioning and design requests impacting survey and basemapping efforts will be monitored and scheduled through the Prime Consultant.
- NAD83 (2011) horizontal and NAVD88 vertical datums will be used for the basemapping.
- 30% Field survey support effort consists of a two-person crew for up to twenty-one occurrences (10-hour days) at 30% and would include any time impacts related to delinquent or unprocessed NOEs, ROEs or refusal of access related to field activities.
- Measure downs of water valves will be completed at accessible locations only. Data will not be completed at locations in which barriers, such as locked lids, prevent data collection. City of SeaTac shall provide GIS records of gas and water valve locations prior to field effort.
- Maintenance holes over 25 feet deep or full of debris/water may not be as-built. They may require confined space entry to access the maintenance hole in order to accurately measure the depth.
- Trees six (6) inches in diameter and above will be surveyed. Trees will be labeled with trunk and dripline diameter and the species will only be classified as coniferous or deciduous.

- Property line and easement locations shown on survey basemap will be based on public record information.
- Through 811 service, the survey basemap will state the utility locate ticket number and list potential utility stakeholders in the vicinity.
- Consultant will rely upon a private utility locator to place tone (paint) marks within the survey limits for conductible utilities within ROW and County property. It is expected that some utilities will be impractical or infeasible to identify.
- Utility tone marks will stop at the public right-of-way.
- Cost includes equipment and materials.
- One (1) draft and one (1) final set of easement exhibits, and legal descriptions are included. This implies one (1) set of review comments are to be addressed.

**Deliverables:**

- 2D basemap containing all 2D elements, including standard ROW calculations, will be flattened to zero elevation.
- 3D surface DTM containing all breaklines and points to create site contours at 1' intervals.
- Copies of field notes.
- Point list in ASCII or text format, comma delimited.
- Traffic Control Plan (TCP) and ROW Class C Permit Application for approval.



Figure 2. Survey Limits.



## Task 5 – Geotechnical Investigations (HWA GeoSciences)

### 5.1 Project Meetings

HWA will participate in one project kickoff meeting and up to 3 other project related meetings with the design team. HWA assumes this meeting will be virtual.

### 5.2 Conduct Coring

HWA prepare an exploration plan memo, and traffic control plans for the proposed work. We will then mark the site and call in utility locates and arrange for a private utility locator. HWA will perform up to 8 Cores along the proposed improvement areas. HWA will perform dynamic cone penetrometer tests in each core location along with hand augers borings to depths of up to 5 feet. Samples will be collected where HWA deems appropriate, and explorations will be backfilled with the soil cuttings and the pavement patched with water activated Aquaphalt™ 6.0 patching material. Explorations are assumed to take 2 days to complete. Based on the surrounding roadway conditions it may be necessary to perform lane closures to complete the coring and as a result two days of traffic control are assumed as part of this scope.

HWA will conduct laboratory testing to determine soil properties and will perform initial screening for feasibility of onsite infiltration.

### 5.3 Geotechnical Engineering Analyses and Recommendations

HWA will review collected data and develop appropriate design parameters for small retaining walls, sidewalk improvements, grind and overlay, RRFB's and luminaire foundations.

### 5.4 Prepare Geotechnical Engineering Report

HWA will prepare a draft geotechnical report for the project. This report will contain a summary of our explorations and analyses performed, including descriptions of surface and subsurface conditions; a site plan showing existing exploration locations and other pertinent features; summary boring logs; and available laboratory test results. The report will provide geotechnical recommendations for each of the proposed improvements. Upon receipt of review comments, HWA will prepare a final geotechnical report for the project.

### 5.5 Conduct Plan and Specification Review

Prior to the initial submittal of the plans and specifications for the project for agency review, HWA will perform a plan review to confirm our geotechnical recommendations have been incorporated and offer comments, where appropriate, to be included within.

#### Assumptions:

- Per City of SeaTac requirements, a Traffic Control Plan (TCP) and Class C ROW Permit application will be prepared and submitted to the City for approval. Permit fees shall be waived by the City.

- The site soils will support standard plan luminaire foundations design. We assume that Non-standard signal pole or foundation design is not required.
- Initial screening for infiltration feasibility will show that native conditions are not suitable for infiltration. Soils are glacial till.
- No uniformed police officer will not be required for traffic control implementation during the exploration program.
- No additional staff will be provided during explorations to guide pedestrians past work areas.
- Contaminated soils will not be encountered during field explorations.

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**Deliverables:**

- Geotechnical Explorations Work Plan Memorandum – PDF
- Traffic Control Plan (TCP) and ROW Class C Permit Application – PDF
- Pavement Explorations Work Plan Memorandum – PDF
- Draft and Final Geotechnical Engineering Reports – PDF

**Task 6 – Environmental Documentation and Permitting**

The Consultant will complete local SEPA environmental documentation.

**6.1 General Background Information Review and Analysis**

The Consultant will obtain project and resource information relevant to the environmental context of the project, inclusive of resource agency database review of available information on historical and cultural resources, any listed Ecology facilities indicated on their database, species listed as threatened or endangered under the Endangered Species Act (ESA), any designated critical habitat, and information from the design team applicable to the environmental context for exclusion documentation and consideration.

**Assumptions:**

- No permits or documents outside of those described in the following subtasks are assumed.
- Task includes database review of environmental context and data filing and cursory project information review in advance of document production tasks.
- Environmental review will be adequately addressed with documents provided under this task and associated with other in-scope documents.

**Deliverables:**

- Project and resource information saved to Perteet files relevant to the environmental context of the project.

**6.2 SEPA Checklist**

The Consultant will prepare a draft and final SEPA checklist form for City use at upon approval of the NEPA CE. The SEPA will be inclusive of NEPA discipline memos and related project documents under this scope of work as supporting information.

**Assumptions:**

- The City will provide one (1) consolidated review on the draft checklist prior to being finalized by the Consultant.
- SEPA determination will result in a DS or MDNS.

- The SEPA determination will not be appealed.

**Deliverables:**

- Draft and final SEPA checklist
- Correspondence via email

**6.3 NPDES Construction Stormwater General Permit (CSGP)**

The construction of the project may require an acre or more of cumulative land disturbance triggering CSGP Notice of Intent (NOI) submittal to Ecology. The Consultant will prepare and submit a NOI electronically after City issuance of SEPA exemption or SEPA determination.

**Assumptions:**

- The City will be provided with applicant forms after submittal and will need to sign and return forms to Ecology and publish the required public notices.
- Permit coverage will be transferred to the operator (contractor) after bid award and before construction. All permit fees will be paid by permittee and transfer of coverage will be included in the project manual.
- The Stormwater Pollution Protection Plan (SWPPP) will be indicated to be provided by contractor in specifications and permit compliance will be addressed by contractor.

**Deliverables:**

- Draft and final NOI submitted electronically by consultant.
- Specification language for contractor compliance and permittee responsibility.

**Task 7 – Community Engagement (Stepherson & Associates Communications and Perteet)**

Stepherson & Associates Communications (S&A) shall develop a public outreach plan and provide public outreach services for the duration of the project. This scope of work is intended to cover services performed through final design. Additional scope and services provided during construction will require an amendment.

**7.1 Project Management and Administration (S&A)**

- Project Scope and Schedules – S&A will provide the public involvement schedule to support the development of the overall schedule.
- Monthly progress reports and invoices
- Project Kickoff Meeting.
- Assumes one (1) S&A staff will attend meeting.
- Design Coordination Meetings (Perteet and City of SeaTac meetings) (one [1] staff up to four [4] meetings).

## **7.2 Public Outreach Communication Coordination Meetings (S&A)**

S&A will plan, facilitate, and report on public outreach communication coordination meetings with the City. The purpose of these meetings will be to plan and coordinate public outreach efforts with City staff.

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**Assumptions:**

- Assumes up to six (6) meetings.
- These meetings will occur online
- Meetings will last approximately one (1) hour.
- Perteet Project Manager, the Public Outreach Lead and a coordinator will participate in these meetings.

**Deliverables:**

- Agenda and pre-meeting materials
- Meeting minutes and action items

**7.3 Consultant Communication Team Meetings and Coordination (S&A)**

S&A will plan and implement internal bi-weekly communication coordination meetings with the S&A team. The purpose of these meetings will be to plan and coordinate outreach efforts.

**Assumptions:**

- Assumes up to eight (8) meetings.
- Meetings will last approximately 30 minutes.

**7.4 Public Involvement Plan (S&A)**

S&A will develop a public involvement plan (PIP) that identifies approaches for effectively informing and involving all audiences and is equitable in its distribution of outreach resources to various communities. It will include key messaging, a stakeholder list, and outreach tools/methods and associated timeline. Plan will include targeted outreach to disadvantaged/Title VI populations. S&A will schedule, plan, and attend a kickoff meeting with City staff prior to PIP development. The PIP will be developed in coordination with the City, and a community demographic analysis will inform the plan.

**Assumptions:**

- Assumes one (1) PIP kickoff meeting that will last approximately ninety (90) minutes.
- City will provide to S&A any existing stakeholders lists, summary of community commitments and other pertinent outreach document upon Notice to Proceed.

**Deliverables:**

- PIP kickoff meeting agenda, pre-meeting materials, meeting minutes, and action items
- One (1) Draft PIP (electronic copy)
- One (1) Final PIP (electronic copy)

**7.5 Communication Materials Development (S&A)**

S&A will coordinate with the City and the design team to facilitate preparation, production, and distribution of all public-facing communication materials, including project fact sheet(s), project webpage content updates, and email update content.

**Assumptions:**

- S&A will provide content updates and graphics to City for City-hosted project website. Webpage updates will be submitted to the City for review, approval and posting.
- Perteet will provide graphics and renderings for use in communication materials.
- S&A will coordinate mailing services and translation of materials.
- The City will be directly invoiced for printing and mailing, and translation services.
- Up to six (6) materials produced will be translated into up to two languages aside from English. The City will be directly invoiced for language translations by approved vendor.
- S&A will coordinate language translation vendor quote, approval, timeline, invoice delivery and file content for up to six (6) translated materials.

**Deliverables:**

- Project fact sheet: one (1) draft and one (1) final with one (1) update
- Website content update (up to three [3])
- Mailer or flyer for open house promotion
- Email update content (up to two [2])
- Translated materials (up to six [6])

**7.6 Project In-Person Open Houses (S&A and Perteet)**

S&A will plan, coordinate, promote and attend up to two (2) in-person open houses. The open houses will provide information and gather input on 30% design and 90% (near final design) for the community to review design and learn about anticipated construction. S&A will prepare a detailed event plan for the open house that identifies goals, team member roles, all supplies and materials and a workback schedule for meeting preparation. S&A will develop display boards and supporting open house materials.

**Assumptions:**

- The City will identify and reserve meeting space.
- The City will coordinate interpretation services and services related to promoting open house.
- The City will use their communication channels to actively promote the open house.
- Assumes a two-hour event, plus three hours set up and clean up time.
- Up to three (3) S&A staff will attend open house.
- S&A will work with Perteet to develop up to four (4) display boards for each meeting. Perteet will provide graphics and support content development for open house materials.

**Deliverables:**

- Detailed event plans (up to 2)
- Meeting materials (sign-in sheet, comment form, directional signage) for two (2) events
- Up to four (4) 24"x36" presentation quality display boards for two open house events

**7.7 Project Webinars and Survey (S&A)**

S&A will plan, implement, and promote up to two (2) webinars and one (1) online survey to provide information and gather input leading up to 30% design and 60% design.

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**Assumptions:**

- The webinar platform and moderator to be confirmed.
- Online survey platform will be Survey Monkey and will be live leading up to 30% design and 60% design.
- Perteet will provide graphics and support content development for webinar and surveys.
- The City will coordinate translation services.

**Deliverables:**

- Up to one (1) draft and (1) final content for one (1) survey
- Review of up to 250 survey responses
- Outreach and survey feedback summary report

**Task 8 – Grant Assistance**

The purpose of this task is to provide professional services at the City's request for grant writing assistance.

**8.1 TIB Grant Assistance**

The consultant will assist the City in preparing materials for a TIB Funding grant application. The consultant will provide a support role and will provide specific input and sections as requested. The City will compile and submit the grant applications.

**Assumptions:**

- No guarantees are made by the consultant that funding from identified sources will result in actual monetary award, due to the competitive nature of grant funding.
- The effort required for this task will be limited to the amount budgeted for this task.

**Deliverables:**

- Section exhibits for inclusion in grant applications
- Current design level layout exhibits
- Current design level total project opinion of cost
- Vicinity Map
- Responses to City requests for additional design information, including quantities

## Tasks 9 thru 12 – Plans, Specifications, and Estimate

Construction plans, specifications, and an opinion of cost will be prepared based on the recommendations identified during the Options Analysis task. Additional anticipated elements to be defined at appropriate design milestones include:

- Extents and types of pavement rehabilitation based on recommendations from Task 5 Geotechnical Investigations.
- Extents of proposed pedestrian facility spot improvements along S 204th Street from 30th Avenue S to 32nd Avenue S.
- Drainage facilities.
- Walls.
- Impacts to existing features, such as: trees, private property, existing storm drainage, and utilities.
- Additional recommended improvements to meet standards or implement best practices for pedestrian facilities and safety.

### Work Elements:

Anticipated deliverables for PS&E milestones, including a breakdown of plan sheets, are outlined in the table at the end of this section.

### Plans

Plan sheets will be based on basemapped survey data and utility information obtained as a part of this contract. The plans will be prepared to a level of competency presently maintained by practicing professionals in the field of transportation engineering in the Puget Sound Region.

### Specifications

The consultant will prepare Contract Provisions ("Specifications") for the project. These will include Special Provisions for the items of work that are not covered by the 2024 WSDOT/APWA Standard Specifications, any City of SeaTac General Requirements, and bid and contract forms. The City will provide its standard contracting templates and bidding documents to the Consultant for inclusion in the project manual.

### Cost Estimate

The cost estimate will be an opinion of cost based on unit prices, with contingencies incorporated to account for the level of completeness of plan preparation for each submittal, and to reflect past experience on similar projects within the region. In providing opinions of probable construction cost, the City understands that the Consultant has no control over the cost or availability of labor, equipment, or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's opinions of probable construction costs are made on the basis of the Consultant's professional judgment and experience. The Consultant makes no warranty, express or implied,

that the bids or the negotiated cost of the work will not vary from the Consultant’s opinion of probable construction cost.

The following table summarizes the anticipated PS&E deliverables to be submitted at each design milestone with an assumed number of sheets not-to-exceed.

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Anticipated PS&E Deliverables by Milestone				
Description	30% Design	60% Design	90% Design	Final Design
<b>Plans (with assumed number of sheets not-to-exceed)</b>				
Cover sheet with vicinity map and index (1 sheet)	X	X	X	X
Legends, Symbols, and Abbreviations (1 sheet)	X	X	X	X
Survey Control and Alignment Plan (5 sheets)		X	X	X
Right-of-Way Plan (5 sheets)		See Task 15		
Site Preparation and Temporary Erosion/Sediment Control Plan (10 sheets)	X	X	X	X
Drainage Plan (7 sheets)	X (no profiles)	X	X	X
Drainage Profiles (1 sheet)		X	X	X
Drainage Details (5 sheets)		X	X	X
Typical Roadway Sections (2 sheets)	X	X	X	X
Sidewalk, Paving, and Grading Plan (9 sheets)	X (no grading)	X	X	X
Curb Ramp Plan (5 sheets)	X (no grading)	X	X	X
Wall Plan and Profiles (3 sheets)	X	X	X	X
Wall Details (1 sheets)		X	X	X
Driveway Plan and Profiles (6 sheets)		X	X	X
Roadway Details (1 sheet)			X	X
RRFB Plan and Details (4 sheets)		X	X	X
Illumination Plan (10 sheets)		X	X	X
Illumination Details (3 sheets)			X	X
Landscape Plan (10 sheets) (HBB)		X	X	X
Landscape Schedule (1 sheet) (HBB)		X	X	X
Landscape Details (3 sheets) (HBB)		X	X	X
Channelization and Signing Plan (10 sheets)	X	X	X	X
<i>Sheet total (excluding 7 ROW sheets)</i>	<i>48</i>	<i>94</i>	<i>98</i>	<i>98</i>
<b>Specifications</b>				
Special Provisions	City SPs only	X (no GSPs)	X	X
Bid Form			X	X
Front-end contract documents	X	X	X	X
Appendices				X
<b>Cost Estimate</b>				
Cost Estimate Summary	X	X	X	X

Anticipated PS&E Deliverables by Milestone				
Description	30% Design	60% Design	90% Design	Final Design
<b>Additional Design Documentation</b>				
Stormwater Report		X	X	X
Illumination Memo	X	X		
Tree Assessment Report	X	X		
Comment Responses		X	X	X
Design MEF Documentation (See Task 14)			X	X

## Task 9 – 30% Design, Plans, Specifications, and Engineer’s Estimate

The Consultant will prepare 30% design and submit 30% design deliverables to the City for review and comment.

The 30% design effort will include the development of the roadway design: including the curb, curb and gutter, and sidewalk layout, preliminary wall profiles, paving sections, channelization, site preparation, erosion control, and storm drainage.

This task will also include the preliminary design of other roadway elements such as illumination. An assessment of the existing trees will also be conducted as a part of this task.

### 9.1 30% Design and Plans (Perteet)

See Task 9.6 for Landscape Design and PS&E.

#### Assumptions:

- Sidewalk, Paving, and Grading design will not be required on 30th Avenue S between S 202nd Street and S 204th Street
- Grind and overlay will be an appropriate pavement rehabilitation method. The existing pavement depth and conditions will support this, with at least a 4-inche existing pavement depth.
- Proposed roadway grading will match existing.
- Typical sections will be provided at one each for these segments: 30<sup>th</sup> Avenue S, S 202<sup>nd</sup> Street, S 204<sup>th</sup> Street between 32<sup>nd</sup> Avenue S and 34<sup>th</sup> Avenue S. Up to two typical sections will be provided on 32<sup>nd</sup> Avenue S. No typical sections will be provided for 30<sup>th</sup> Avenue S between S 202<sup>nd</sup> Street and S 204<sup>th</sup> Street or for S 204<sup>th</sup> Street between 30<sup>th</sup> Avenue S and 32<sup>nd</sup> Avenue S.
- Two (2) site visits with up to two (2) Perteet staff is assumed.
- The City will finalize the general geometric layout of the proposed improvements through the development and review of the 30% submittal. A substantial change in design after

30% will constitute a change in scope and will allow the Consultant to negotiate additional compensation for the change.

- Development of the stormwater report is not included in this task.
- 30% plans will include potential siting for drainage facilities.
- Walls required will be limited to no more than 650 LF total.
  
- ADA curb ramp improvements are assumed to be limited to the following 14 locations (corners or one end of a mid-block crossing). Any locations not listed are assumed to not require curb ramp improvements:
  - S 202<sup>nd</sup> Street and 30<sup>th</sup> Avenue S: one for each side of the proposed RRFB crossing
  - One for each side of the potential mid-block crossing on S 204<sup>th</sup> Street
  - 32<sup>nd</sup> Avenue S and S 204<sup>th</sup> Street: up to two corners
  - S 203<sup>rd</sup> Street and 32<sup>nd</sup> Avenue S: up to two corners
  - S 202<sup>nd</sup> Street (western leg) and 32<sup>nd</sup> Avenue S: up to two corners
  - S 202<sup>nd</sup> Street (eastern leg) and 32<sup>nd</sup> Avenue S: up to two corners
  - S 201<sup>st</sup> Street and 32<sup>nd</sup> Avenue S: up to two corners

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

## 9.2 30% Specifications (Perteet)

The City will provide the Consultant with the Specifications template. The Consultant will populate the template with basic project information in the “front-end” Contract Documents section, such as project name and number. The Consultant will also include City General Provisions, or City-provided special provisions from past projects.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table.

**Assumptions:**

- The City will provide the Consultant with the Specifications template, City General Provisions, and special provisions from past projects (Microsoft Word format for all).

## 9.3 30% Engineer’s Estimate (Perteet)

The Consultant will calculate 30% design level quantities and prepare an opinion of construction costs based upon the 30% plans and current unit bid prices. A contingency will be included to accommodate additional construction costs not yet specifically identified.

**Assumptions:**

- The bid schedule for the opinion of cost will include up to one (1) bid schedule.

**Deliverables:**

- Electronic copy of the 30% opinion of cost summary submitted in PDF format via e-mail.

**9.4 Preliminary Illumination Design (Perteet)**

The Consultant will prepare an Illumination Memo and cost estimates for the lighting associated with project improvements through a preliminary design effort for illumination. The CONSULTANT will conduct an analysis to determine the required and proposed light levels and uniformity. The design will address replacement of the existing street lighting on all project segments with new lighting fixtures, and new poles where use of existing poles is not feasible. The design will adhere to current WSDOT and City of SeaTac standards, including incorporation of City standards for Special Lighting. The consultant will coordinate with the City to confirm the lighting and design requirements for this specific project as well as equipment specifications that the City wants to incorporate. Results of the analysis will be documented in a design memorandum and include an analysis of the roadway's pedestrian crossings. Recommendations will be included in this memorandum. The consultant will prepare 30% illumination design costs based on the preliminary illumination plans included in the Illumination Memo.

**Assumptions:**

- The 30% illumination design costs will include contingencies for work not yet designed as part of the preparation the Illumination Memo
- 4:1 Uniformity ratio will be required for illumination
- AGI32 Lighting Analysis software will be used.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table.

**9.5 30% Landscape Design and PS&E (HBB)**

At 30% only a landscape estimate will be provided by HBB. Costs will be based on square foot areas for general landscape types and areas of restoration. Possible street trees will be accounted for in the estimate, and back of sidewalk restoration. HBB staff will conduct one (1) site visit, with one staff from HBB present.

**Assumptions:**

- Up to two (2) meetings for coordination of landscape (HBB) are included, assumed to be held virtually of 1 hour duration each.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table.
- 30% landscape estimate will be provided for incorporation by Perteet into the 30% estimate.
- Provide monthly progress reports and invoices for each month with services performed for the duration of the subconsultant agreement contract, assumed to be 12 months.

**9.6 Tree Assessment and Protection Plan (HBB)**

Tree assessment will be provided by an ISA certified Arborist. A Draft Report with recommendations for tree removal and protection will be included in the report based on the 30% design. Revisions to the report and recommendations will be incorporated into a Final Report provided at the Final Submittal. Tree protection fencing will be shown on the landscape plans and site preparation plans. Separate tree protection plans will not be included.

**Deliverables:**

- Draft and Final Tree Assessment Report with tree retention, maintenance, and removal recommendations. See Anticipated PS&E Deliverables by Milestone table.

**Assumptions:**

- Existing trees to be assessed will be based upon the limits and type of work shown in Figure 1. Only existing trees on the side of the street that is specified for improvements will be assessed. Assumptions for quantity of existing trees to be evaluated are as follows:
  - S 204<sup>th</sup>: 125 trees
  - 30<sup>th</sup> Avenue: 60 trees
  - 32<sup>nd</sup> Avenue: 20 trees
  - S 202<sup>nd</sup>: 25 trees

-



- Up to two (2) meetings are included, held virtually at a 1-hour duration for coordination.

### **9.7 Preliminary Stormwater Design (Perteet)**

Storm drainage design will identify required code constraints, identify site constraints such as evaluating utility conflicts and stormwater requirements, and include preliminary stormwater facility sizing to support development of the 30% plans and cost estimate.

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**Assumptions:**

- Water quality and flow control are expected to be triggered for this project based on King County Stormwater Manual requirements for impervious surface areas.
- There be no stormwater conveyance sizing at 30%.
- Up to one (1) water quality facility per roadway segment is assumed in each TDA. The site consists of two (2) TDAs. A total of up to seven will be required. 30<sup>th</sup> Avenue S between S 202<sup>nd</sup> street and S 204<sup>th</sup> Street and S 204<sup>th</sup> street from 30<sup>th</sup> Avenue S to 32<sup>nd</sup> Avenue S will not be required.
- Flow control facilities will be combined as much as feasible. Up to four (4) flow control facilities are assumed.
- Conveyance outside of project limits is not required and it is assumed that there is a conveyance system for new stormwater facilities to connect to within the project limits.
- The drainage maps showing contributing land located up-gradient (upstream) of the project will be based upon GIS provided by the City.
- This Scope of Services does not include conducting a detailed field survey of existing land-use, impervious areas, or land cover of the drainage basins.
- This Scope of Services does not include detailed hydraulic capacity analysis or backwater analysis of the downstream conveyance systems.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**9.8 Preliminary Design and PS&E QA/QC of Deliverables**

An internal Consultant quality assurance/quality control review of deliverables will be conducted, as well as confirmation that comments received have been addressed. A record of comments received will be maintained. Response to each comment received will be tracked to confirm that they have been addressed.

**9.9 Exhibit support for Community Engagement (Perteet)**

The Consultant will provide graphics to S&A for use in developing outreach materials. The consultant will prepare up to one color roll plots (or sequence of roll plots) along the project length for each open house to support efforts by S&A in Task 7 Community Engagement. The consultant will provide additional information prepared as part of services provided in other Tasks (such as section views, and quantities) to support Community Engagement efforts of Task 7.

**Assumptions:**

- The effort required for this task will be limited to the amount budgeted for this task.

- Any graphics desired not listed in this subtask will be provided from other Deliverables already prepared by Perteet for other tasks
- No additional graphics will be produced for the Project Webinars

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**Deliverables:**

- One color roll plot showing the 30% design (electronic PDF)
- One color roll plot including the 90% design (electronic PDF)
- Each roll plot will be revised up to once before finalizing.

**Task 10 – 60% Design and Plans, Specifications, and Engineer’s Estimate**

The Consultant will prepare 60% plans, specifications, and opinion of costs for the construction contract, and incorporate applicable comments received from the City based on the 30% submittal deliverables. The milestone deliverable documents will be submitted to the City for review and comment.

**10.1 Response to 30% City Comments**

The Consultant will attend one (1) comment review meeting with the City staff and provide the City with written responses to the City’s comments. Responses will be provided on the comment documents provided by the City.

**Assumptions:**

- 30% review comments from City staff will be consolidated by the City and conflicting comments will be resolved by City staff prior to transmitting to the Consultant.
- The Consultant’s responses will be provided on the original comment document the City provided to the Consultant.
- The Consultant will attend one (1) virtual comment review meeting.

**10.2 60% Design and Plans**

The Consultant will propose and design ADA compliant solutions for each of the identified curb ramps within the project limits, as well as for the RRFB signals. The curb ramp RRFB locations will be identified and agreed upon before any curb ramp design work is performed.

This task includes the design and layout for up to three RRFB signals at crossing locations identified in Task 2. The consultant will attend up to two (2) coordination meetings with the City regarding curb ramp and RRFB signal designs. The Consultant will perform minimal design needed to propose ADA compliant solutions for the curb ramps and pedestrian signals to be replaced and approximate the footprint of each non-standard curb ramp. The preliminary curb ramp and RRFB signal designs will address existing utility impacts as well, and how to avoid them, if possible. Dimensions and details will not be provided at this level.

**Assumptions:**

- Up to two (2) RRFB locations will be designed.

- 60% Plans will not include curb return elevations, nor curb ramp details. These will be provided at 90% level.
- Up to 24 corners (or crossing origin points at midblock crossings) will require curb ramp improvements.

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**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**10.3 60% Engineer's Estimate**

The Consultant will calculate 60% level quantities and opinion of construction costs based upon the 60% construction plans and current unit bid prices. The Consultant will address applicable 30% review comments and make revisions as necessary.

**10.4 60% Specifications**

The Consultant will prepare Contract Provisions ("Specifications") for the 60% submittal. These will include Special Provisions for the items of work that are not covered by the current WSDOT/APWA Standard Specifications, including City of SeaTac General Requirements. Bid forms will not be included in the 60% submittal.

**Assumptions:**

- It is assumed that the City will provide the consultant with any City of SeaTac General Special Provisions and Requirements to be used on the project.
- It is assumed that the City will provide the consultant with their standard, current, boilerplate contract language ("front end docs") to be used for the project.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**10.5 60% Illumination Design**

The Consultant will incorporate 30% illumination memo comments. The consultant will identify potential illumination service connection points and coordinate service points with Puget Sound Energy. The Consultant will prepare 60% illumination plans to include illumination circuit details, wiring, conduit, and junction box locations. Voltage drop calculations will be prepared for new and modified lighting circuits. Street lighting photometric plans will be updated to reflect 30% comments for review by the City and Puget Sound Energy.

**Assumptions:**

- The City will provide illumination as-built plans for use.
- Electric service connection points will be coordinated with Puget Sound Energy prior to 60% plan submittal.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

## 10.6 60% Landscape Design and PS&E (HBB)

Landscape plans will include proposed trees, shrubs, groundcover, seeded lawn, mulch, and back of sidewalk restoration. Planting strips based on City of SeaTac standard roadway sections include 4' and 6' wide planting strips for potential landscape within the right-of-way. Additional planting may be included at curb bulbs or back of sidewalk conditions.

### Assumptions:

- Plans will be scaled at 1" = 40'.
- Irrigation design is not included. Watering of landscape is assumed to be by the Contractor during the one-year establishment period as required within WSDOT standard specifications.
- Drought tolerant plants will be selected that do not require permanent irrigation.
- QA/QC will be performed by a licensed landscape architect.
- Up to eight (8) project meetings are included, held virtually, at one (1) hour in duration.

### Deliverables:

- See Anticipated PS&E Deliverables by Milestone table

## 10.7 60% Stormwater Report Preparation

Storm drainage calculations will be prepared and compiled into the Draft Stormwater Report. The report will conform to the King County Surface Water Design Manual (KCSWDM) as adopted by the City.

### Assumptions:

- Applicable assumptions from the 30% design task apply

### Deliverables:

- See Anticipated PS&E Deliverables by Milestone table

## 10.8 60% PS&E QA/QC of Deliverables

An internal Consultant quality assurance/quality control review of deliverables will be conducted, as well as confirmation that comments received have been addressed. A record of comments received will be maintained. Response to each comment received will be tracked to confirm that they have been addressed.

## Task 11 – 90% Design and Plans, Specifications, and Engineer's Estimate

The Consultant will prepare 90% plans, specifications, and opinion of costs for the construction contract, and incorporate applicable comments received from the City based on the 60% submittal deliverables. The plans, specifications, and opinion of cost will be submitted to the City for review and comment.

### **11.1 Response to 60% City Comments**

The Consultant will attend one (1) comment review meeting with the City staff and provide the City with written responses to the City's comments. Responses will be provided on the commented documents provided by the City.

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**Assumptions:**

- 60% plan review comments from City staff will be consolidated by the City and conflicting comments will be resolved by City staff prior to transmitting to the Consultant.
- The Consultant will attend one (1) comment review with the City virtually.

**11.2 90% Design and Plans**

The design and plans will be updated in response to 60% comments.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table.

**11.3 90% Engineer's Estimate**

The Consultant will calculate 90% level quantities and opinion of construction costs based upon the approved 90% construction plans and current unit bid prices. The Consultant will address applicable 60% review comments and make revisions as necessary.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**11.4 90% Specifications**

The Consultant will prepare 90% level specifications based upon the 90% design. The Consultant will address applicable 60% review comments and make revisions as necessary.

**Assumptions:**

- Bid forms will not be completed at the 90% submittal.

**Deliverables:**

- Electronic copy of the 90% specifications in Microsoft Word format via e-mail

**11.5 90% Illumination Design**

Comments from Puget Sound Energy will be incorporated. Coordination to establish service points will be continued. Details for illumination system will be added.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table.

### **11.6 90% Landscape Design and PS&E (HBB)**

Landscape plans will include proposed trees, shrubs, groundcover, seeded lawn, mulch, and back of sidewalk restoration. Planting strips based on City of SeaTac standard roadway sections include 4' and 6' wide planting strips for potential landscape within the right-of-way. Additional planting may be included at curb bulbs or back of sidewalk conditions.

#### **Assumptions:**

- Plans will be scaled at 1" = 40'
- Irrigation design is not included. Watering of landscape is assumed to be by the Contractor during the 1-year establishment period as required within WSDOT standard specifications.
- Drought tolerant plants will be selected that do not require permanent irrigation.
- QA/QC will be performed by a licensed landscape architect.
- Up to three (3) project meetings are included, held virtually, at one (1) hour in duration.

#### **Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

### **11.7 90% Stormwater Report Preparation (Perteet)**

The Consultant will review and incorporate comments received from the City on the Stormwater Report submitted at 60%. Storm drainage calculations will be updated based on the 90% design.

#### **Assumptions:**

- Applicable assumptions from the 30% design task apply

#### **Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

### **11.8 90% PS&E QA/QC and Constructability Review of Deliverables**

An internal Consultant quality assurance/quality control review of deliverables will be conducted, as well as confirmation that comments received have been addressed. A record of comments received will be maintained. Response to each comment received will be tracked to confirm that they have been addressed.

The Consultant will also perform a constructability and biddability review of the 90% PS&E under this task, including a site visit. This will be done by a member of the Consultant's construction inspection team.

## Task 12 – Final Plans, Specifications, and Engineer’s Estimate

The Consultant will revise the 90% plans, specifications, and opinion of cost estimate based on the City’s comments and prepare a Final PS&E package. This submittal will include the preparation of the Bid Schedule to be included in the Specifications.

The Consultant will submit the Final PS&E package, including the Bid Schedule, to the City for a Final check print before assembling the contract documents. Final comments will be delivered electronically and incorporated into the Final bid documents. It is assumed that the Final review comments will be minor in nature and not reflect any significant changes to design. If there are significant changes to the design or Plans, this would be considered an additional service, and a supplement to the Agreement would be required.

### 12.1 Response to 90% Comments

The Consultant will attend one (1) comment review meeting with the City staff and provide the City with written responses to the City’s comments. Responses will be provided on the commented documents provided by the City.

#### Assumptions:

- 90% plan review comments from City staff will be consolidated by the City and conflicting comments will be resolved by City staff prior to transmitting to the Consultant.
- The Consultant will attend one (1) comment review meeting virtually.

#### Deliverables:

- Written responses to 90% comments

### 12.2 Final Design and Plans

Storm drainage calculations will be updated.

#### Assumptions:

- WSDOT comments that are to be incorporated into the contract documents that are a significant change to the design or finalization of the ad-ready contract documents will be considered an additional service and may need a supplement to this Agreement.

#### Deliverables:

- See Anticipated PS&E Deliverables by Milestone table

### 12.3 Final Engineer’s Estimate

The Consultant will update the project quantities and prepare a Final opinion of construction costs based upon the approved Final construction plans and current unit bid prices. The Consultant will address applicable 90% review comments and make revisions as necessary.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**12.4 Final Specifications**

The Consultant will prepare the Final Specifications based upon the Final design. The Consultant will address applicable 90% review comments and make revisions as necessary. Bid forms will be filled out with the project quantities with this submittal.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**12.5 Final Landscape Design and PS&E (HBB)**

Landscape plans will be revised based upon Comments received from the City and based upon coordination with the design team.

**Assumptions:**

- Plans will be scaled at 1" = 40'
- Irrigation design is not included.
- QA/QC will be performed by a licensed landscape architect.
- Up to one (1) project meetings is included, held virtually, at one (1) hour in duration.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**12.6 Final PS&E QA/QC of Deliverables**

An internal Consultant quality assurance/quality control review of deliverables will be conducted, as well as confirmation that comments received have been addressed. A record of comments received will be maintained. Response to each comment received will be tracked to confirm that they have been addressed.

**Task 13 – Ad-Ready Contract Documents**

The Consultant will finalize the Final plans, specifications and opinion of cost estimate based on the City's comments and WSDOT review comments and prepare ad-ready Bid Documents. It is

assumed that Final review comments will be minor in nature and not reflect any changes to the design.

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**Assumptions:**

- The fee effort for this task assumes the City will provide one (1) set of compiled and consolidated comments reflective of all City comments from the final check set submittal. It is assumed that pre-final review comments will be minor in nature and not reflect any changes to design. If additional comments are made, or if any comments are made that alter the design, and it is determined that addressing them would cause significant changes to the plans, this may be considered additional work to be included in a supplement.
- Prior to bid advertisement, the Consultant may make minor revisions to the Plans, Specifications, and Opinion of Costs. It is assumed that the design standards applying to this project will not be changed.
- The City will provide Builders Exchange with a camera-ready or electronic plan set for purposes of their scanning and contract document distribution during bidding
- The City will provide Builders Exchange with a camera-ready or electronic set of Contract Specifications for purposes of their scanning and contract document distribution during bidding

**Deliverables:**

- Electronic copy of the final plans; half size and full-size signed plans, in PDF format via e-mail
- Electronic copy of the opinion of cost summary submitted in PDF format via e-mail
- Electronic copy of the final bid documents Contract Specifications, including the Bid Schedule, submitted in PDF format via e-mail
- Written responses to the Final review comments

**Task 14 – Maximum Extent Feasible (MEF) Documentation****14.1 Design MEF Documentation**

When full ADA accessibility criteria cannot be met by the pedestrian facility improvements, an MEF Document must be prepared as part of the project documentation. The Consultant will prepare a designed conditions MEF document for the project. Justification will be provided as part of the documentation.

**Work Elements:**

The Consultant will prepare design MEF documentation for the City's documentation. The MEF documentation is anticipated to include the following elements:

- Project Description – this will be a general description of the overall project.
- Design Standards – this will be a general statement identifying the guidelines/manuals used and the criteria to be met for pedestrian facilities.

- Summary of Facilities and Evaluation – this will be a short summary of the facilities that will be evaluated, including a general statement that the project design was intended to be compliant, then identifying specific elements that are non-compliant and a justification for the reason(s) why.
- Summary of proposed design and compliancy for curb ramps, pedestrian crossings, driveways, sidewalks, and pedestrian signals, as applicable.
- The Consultant will provide a draft MEF Document for the City to review. The Consultant will incorporate the review comments into a final MEF Document.

This task provides for the preparation of the design MEF document, which will reflect the Consultant’s designed improvements, and will be provided to the City. Upon completion of construction, it is recommended that the design MEF document be modified to reflect the constructed improvements as the constructed MEF document. This Scope of Services does not include work to revise the design MEF document and produce the constructed MEF document.

**Assumptions:**

- The Revised Draft Guidelines for Accessible Public Rights-of-Way (PROWAG) (2011 PROWAG) will be the design guidelines and measurement of compliancy for pedestrian facilities, as determined by WSDOT.
- Detailed information for every pedestrian facility (for example, each curb ramp with every slope measurement, dimensions, etc.) will not be provided in the MEF.
- Existing non-compliant curb ramps are generally non-compliant in most or all of the elements (such as dimensions, landings, slope); therefore, a detailed overview of the individual existing elements will not be provided for each curb ramp, but there will be a general statement of “non-compliancy” for each ramp, as necessary.

**Deliverables:**

- See Anticipated PS&E Deliverables by Milestone table

**Task 15 – Right-of-Way Plans (F&A and Perteet)****15.1 Research and Parcel Exhibits (F&A)**

The Subconsultant will perform right-of-way research to identify property boundaries, easements, and encumbrances of the subject properties. Additionally, research will be performed on up to twelve (12) adjacent properties should acquisition or easements be necessary to support improvements.

The SUBCONSULTANT team will prepare signed parcel maps, signed legal descriptions, and exhibits for property and easement acquisition. Title reports necessary to support the development of legal descriptions will be ordered by the City.

**Assumptions:**

- Assume up to eight (8) right-of-way coordination meetings.
- Signed parcel maps and signed legal descriptions will be prepared for no more than eleven (11) parcels and include a draft deliverable, one (1) round of revisions and final exhibits at 90% and one (1) round of revisions at Final.
- Costs associated with condemnation depositions and testimonies are not included in the right-of-way budgeted costs but will be addressed separately as required.
- 1" – 20' scale factor sheet size

**Deliverables:**

- Signed Parcel Maps and Legal Descriptions (11)

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## 15.2 Draft and Final Right-of-Way Plans (Perteet)

Under this task, the Consultant will prepare Draft and Final Right-of-Way Plans.

- Draft Right-of-Way plans will be prepared once the 60% design plans have been submitted to the City, and 60% review comments have been received by the Consultant.
- Final Right of-Way plans will be completed once negotiations have been finalized with the property owners.

### Assumptions:

- Right-of-Way Plans are intended for the City's records. Parcel exhibits will be prepared for the appraisals, for negotiations with property owners, and for final acquisition documents. Parcel exhibits will be prepared under a separate task under this Scope of Services.
- No more than the number of plan sheets included in the "Anticipated PS&E Deliverables by Milestone" table will be necessary.

### Deliverables:

- Draft and final of the Right-of-Way Plans.

## Task 16 – Bid Support (Perteet and HBB)

The Consultant will support the city during the bidding phase of the project. The Consultant will respond to requests for clarifications and prepare Addendums. The budget assigned for this work element will be limited to the amount designated for this work element.

### 16.1 Provide Bid Clarifications

The Consultant will respond to Contractor questions as requested by the City during the bidding process. The Consultant will provide clarifications to the City, which may include Plan sheet revisions, Special Provision language, or information clarification.

### Deliverables:

- Written clarifications to bid questions, including text and plan sheet revisions if applicable (email format)

### 16.2 Addenda

The Consultant will assist the City with preparing materials to be included with up to two (2) Addenda, as required.

**Assumptions:**

- The City will prepare addendums for distribution during the bidding process.
- The City will prepare the bid tabulation.
- The City will determine if the bids are responsive or not.
- The City will track bid questions and communicate with bidders.
- The City will produce bid sets.
- The City will review bid tabulations against the opinion of cost (engineer's estimate).
- The budget assigned for this work element will be limited to the amount designated for this work element.
- Addendum for landscape (HBB) is assumed to be a maximum of 25% of all sheets developed and associated specifications.

**Deliverables:**

- Materials to be included with addenda, as requested, for up to two (2) Addenda (Perteet)
- Provide up to one (1) addendum for landscape (HBB).

**Optional Services Tasks**

With prior written approval by the City and written notice-to-proceed, work elements described in this scope of services as optional services (as directed) may be produced by the Consultant.

**3.3 Relocation Coordination (Optional Service)**

The Consultant will coordinate with the franchise utilities regarding franchise utility design and proposed utility locations, and provide the following services:

- Coordinating with the franchise utility owner to relocate facilities (facility relocates provided by franchise utility owner), helping identify potential locations for franchise utilities to relocate to. The Consultant will review the franchise utilities design and plans in an effort to confirm there will be no conflict with other facilities and the City's proposed project work.
- Prepare Utility Space Plans: The Consultant will prepare utility space plans and typical sections that will be the result of the coordination with the franchise utilities and City utilities and will show proposed and existing utility locations. The purpose of these Plans will be to provide potential locations for relocated utilities and to confirm with franchise utility's acceptable locations for relocated facilities and to be used as a communication tool. These will NOT be construction Plans for the City or the franchise utilities. Proposed franchise utilities, as designed by the franchise utilities, will be shown by reference in the PS&E documents described in other tasks.

**Deliverables:**

- Utility Space Plans and typical sections
- Meeting notes

**Assumptions:**

- The redesign and/or relocation of franchise owned utilities Plans for construction will not be performed by the Consultant, and relocation Plans prepared by the franchise utility will not be included in this project. It is assumed that franchise utilities will be responsible to design in detail and prepare Plans for relocation construction and construction for those facilities will occur under a separate construction contract. These services would be considered additional services by the Consultant and can be included as a supplement to this Scope of Services.
- The budget assigned for this work element will be limited to the amount designated for this work element.

**4.4 Test-Holing (Furtado & Associates) (Optional Service)****As-Built Underground Features (Sanitary and Storm Sewer):**

- Provide utility test-holing for up to eight (8) test-holes and survey test-hole locations after test-holing has been completed.
- Survey of test hole pin locations (up to 8 pins).

**Assumptions:**

- Utility Test-hole depths assume that the utility will be between 0-feet and 10-feet in depth.
- If a test-hole falls in the hard surface APS, Inc. shall core the existing asphalt or concrete.
- Test-hole pricing varies by location. A typical price was assumed for estimating level-of-effort.

## 5.6 Geotechnical Explorations (Infiltration Testing) (Optional Service)

In the event that HWA's infiltration screening and groundwater monitoring indicate that stormwater infiltration is feasible, HWA will conduct up to 2 small scale pilot infiltration tests (PIT's) at the proposed location of infiltration facilities along the alignment in accordance with the requirements of the King County Surface Water Design Manual 2021.

## Task 17 – Right-of-Way Acquisition (Commonstreet Consulting, Optional Services)

### Assumptions:

- Services for this task will be limited to not exceed the budget allocated for this task.

### 17.1 Right-of-Way Services Project Management

The following work elements will be conducted under this task:

- Prepare for and lead Right-of-Way Task Force Meetings;
- Respond to inquiries and needs identified by your Agency and/or Project Stakeholders.
- Provide written and oral status updates on parcel acquisitions.
- Provide oversight to all aspects of the right-of-way program, including title, negotiations, relocations (if any), and closing preparations tasks.
- Review Agency's approved Right-of-Way Procedures.
- Develop and execute the Right-of-Way program in compliance with the URA, Chapter 8.26 RCW, WSDOT LAG manual Chapter 25, and applicable WAC.
- Maintain quality control/quality assurance protocols in the execution of the right-of-way task.
- Coordinate appraisal and appraisal review tasks/prepare Appraisal Waivers as needed.

### Deliverables:

- Meeting agendas and notes
- Written weekly status reports

### 17.2 Title Review and Conveyance Documents Drafts

The following work elements will be conducted under this task:

- Create state compliant project files.
- Order and review title reports for each parcel and recommend clearance/acceptance of each exception.
- Order new and/or updates to existing title commitments.

- Once a parcel's title interest has been reviewed, identify method of clearance per City direction.
- Prepare documents needed to clear liens or encumbrances.
- Prepare Determinations of Just Compensation, Purchase and Sale Agreements (as necessary), offer letters, and all documents needed to convey temporary and/or permanent property interests.
- Review City-prepared templates for compliance with all applicable regulatory guidelines.

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**Deliverables:**

- Title reports reviewed and a report of existing encumbrances for each parcel delivered to City in format used on federally funded projects (LPA 333).
- Recommendations for clearance or acceptance of encumbrances provided to City on LPA 333 form.
- Provide Concurrence documents for City's Program Administrator signature authorizing offers for Just Compensation.
- Provide City with proposed documents or document templates to be used for acquisition of property or rights for approval by the City.

**17.3 Negotiations, Administrative Settlements, and QA/QC**

The following work elements will be conducted under this task:

- Review appraisal/valuation reports, review design elements with City's design team.
- Contact property owners, present offers, negotiation compensation and settlement terms.
- As needed, prepare Administrative Justifications compliant with Agency and LAG Manual requirements.
- Facilitate execution of offer package/conveyance documents, deliver executed offer package to Agency for payment, processing, and recording.
- As needed, prepare Administrative Justifications compliant with Agency and LAG Manual requirements; and
- Facilitate execution of offer package/conveyance documents, deliver executed offer package to Agency for payment, processing, and recording.

**Deliverables:**

- Offer packages including, but not limited to, offer letter, deed, easement or both, real property voucher, AOS or Appraisal, and W-9 form on City's letterhead.
- Diary of all acquisition activities.
- Offers made to property owner and advisement of their rights under URA and Chapter 8.26 RCW.
- Negotiate amicable settlements in reasonable amounts where possible, provide the City with properly executed documents to convey the property or property rights and to authorize payment by the City in formats previously approved by City.
- Where City accepts settlement proposal, prepare administrative settlement justification memo.
- Where City rejects property owner settlement proposals, prepare condemnation package and support City's legal team.

#### **17.4 Escrow/Payment Processing and Recording**

The following work elements will be conducted under this task:

- Where escrow is utilized, provide escrow instructions as to payment and closing terms.
- Provide City with property owner executed payment vouchers.
- Facilitate recording of all conveyance documents; and
- Secure proof of payment from City.

##### **Deliverables:**

- Recorded deed and easement for up to eleven (11) impacted parcels acquired by settlement.
- Provide City with necessary executed documentation and tax identification information to pay property owners.

##### **Services Not Included in this Scope of Services**

1. Prepare backwater conveyance analysis for onsite pipe systems using King County Backwater Software (KCBW) program, or StormShed 2G, accepted by WSDOT. Prepare gutter flow calculations and inlet capacity calculations in accordance with FHWA protocols.
2. Prepare a Level 1 to Level 3 downstream analysis.
3. Prepare a backwater conveyance analysis for downstream pipe systems.
4. Prepare a summary of average annual pollutant loadings anticipated for the project, in accordance with the WSDOT Environmental Procedures Manual, Table 3, Method 1, for the environmental assessment of the project.
5. Drainage design above what is described in this scope of services.
6. Prepare a Notice of Intent application and supporting documentation for the construction NPDES permitting process.
7. Construction management services.
8. Signal design other than RRFBs as outlined in the scope.
9. Design of bicycle facilities.
10. Traffic analysis beyond study of traffic calming options analysis in Task 2.
11. In the event that the City has a change in the City's project manager, the meeting with the new project manager beyond the scope provided in this scope of services to provide a summary of design and progress, provide a summary of decisions made, and provide past deliverables to date.
12. Changes to completed design efforts and/or Scope of Services requested due to the change in City's project manager.

##### **Items to be furnished by the City.**

**Information Provided by Others:**

The Client shall furnish, at the Client's expense, all information, requirements, reports, data, surveys, and instructions required to be furnished by the Client/City by this Agreement. The Consultant may use such information, requirements, reports, data, surveys, and instructions in performing its services and is entitled to rely upon the accuracy and completeness thereof. Further, the Client agrees that the Consultant shall have no responsibility for any portion of the Project designed by other consultants engaged by the Client.

**The City shall furnish the following, in addition to items denoted in individual tasks:**

1. All available "As-Built" information, including for traffic signals and the existing illumination systems.
2. Updated underground utility information relative to the City owned utilities.
3. Any applicable preliminary design reports, geotechnical reports, environmental reports, and identified up and downstream problems.
4. Updated City of SeaTac General Provisions.



## Design Criteria

As of the date this Agreement is signed, design file, reports, documents, and plans prepared as part of this Scope of Services, to the extent feasible, will be developed in accordance with the latest edition and amendments to the following documents:

1. Standard Specifications for Road, Bridge, and Municipal Construction, 2024 English Edition, published by WSDOT and the Washington State Chapter APWA
2. Standard Plans for Road, Bridge, and Municipal Construction, (M 21-10), published by WSDOT
3. “Local Agency Guidelines” published by WSDOT
4. AASHTO: A Policy on Geometric Design of Highways and Streets (2011 Edition)
5. 2009 Manual on Uniform Traffic Control Devices (MUTCD)
6. Revised Draft Guidelines for Accessible Public Rights-of-Way (PROWAG), (2011 PROWAG)
7. City of SeaTac Standard Plans and Policies
8. Department of Ecology (Ecology) 2005 “Stormwater Management Manual for Western Washington” with City of Kirkland Addendum
9. Department of Ecology (Ecology) 2012 “Stormwater Management Manual for Western Washington” and LID Technical Manual for Puget Sound

Changes in any design standards or requirements after services have begun may result in extra work, and require a supplement to the Agreement.



**Project** S 204th St Improvements (30th Ave S, & 32nd Ave S) **Contract Start Date** 5/12/2023 **Last Update date** 4/18/2023  
**Client** City of SeaTac **Contract End Date** 8/10/2024 **Pereteet Project No.** 20220231.0000  
**PM** Lauren McElmurry **Contract Duration:** 15 Months

Task	Principal	Sr. Associate	Sr. Associate	Sr. Associate	Sr. Engineer / Mgr	Sr. Engineer / Mgr	Sr. Engineer / Mgr	Lead Engineer / Mgr	Lead Engineer / Mgr	Civil Designer II	Civil Designer I	Technician III	Planner II	Construction Supervisor	Accountant	Clerical	Total Hours	Labor Dollars
<b>Task 1 - Project Management and Coordination</b>	\$368.12	\$247.39	\$256.08	\$243.77	\$190.64	\$196.89	\$227.39	\$171.89	\$0.00	\$133.54	\$117.20	\$109.38	\$148.10	\$255.45	\$159.39	\$105.82		
1.1 Project Coordination with City		27.00			54.00	54.00											135.00	\$27,606.00
1.2 Project Schedule, Budget, and Team Management	3.00	3.00	3.00		13.00	105.00	3.00								3.00		133.00	\$26,927.00
1.3 Progress Reports, Invoices						15.00									10.00		25.00	\$4,547.00
<b>Total Task 1 - Project Management and Coordination</b>	<b>3.00</b>	<b>30.00</b>	<b>3.00</b>	<b>0.00</b>	<b>67.00</b>	<b>174.00</b>	<b>3.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>13.00</b>	<b>0.00</b>	<b>293.00</b>	<b>\$59,080.00</b>
<b>Task 2 - Options Analysis</b>																		
2.1 GIS Basemap					3.00	1.00				8.00		8.00	2.00				22.00	\$3,008.00
2.2 Site Reconnaissance		2.00			4.00	2.00				4.00		4.00					16.00	\$2,623.00
2.3 Design Options Analysis					16.00	2.00	4.00			40.00		16.00				2.00	80.00	\$11,657.00
2.4 Design Support for School Engagement					8.00	4.00				8.00		8.00					28.00	\$4,256.00
2.5 Coordination with WSDOT					8.00	4.00				4.00							16.00	\$2,847.00
<b>Total Task 2 - Options Analysis</b>	<b>0.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>39.00</b>	<b>13.00</b>	<b>4.00</b>	<b>0.00</b>	<b>0.00</b>	<b>64.00</b>	<b>0.00</b>	<b>36.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>162.00</b>	<b>\$24,391.00</b>
<b>Task 3 - Utility Coordination</b>																		
3.1 Utility Coordination					20.00	4.00	20.00	14.00		12.00		12.00					82.00	\$14,470.00
3.2 Utility Coordination QA/QC Deliverables				4.00										4.00			8.00	\$1,997.00
<b>Total Task 3 - Utility Coordination</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.00</b>	<b>20.00</b>	<b>4.00</b>	<b>20.00</b>	<b>14.00</b>	<b>0.00</b>	<b>12.00</b>	<b>0.00</b>	<b>12.00</b>	<b>0.00</b>	<b>4.00</b>	<b>0.00</b>	<b>0.00</b>	<b>90.00</b>	<b>\$16,466.00</b>
<b>Task 4 - Survey and Basemapping (Furtado &amp; Associates)</b>																		
<b>Total Task 4 - Survey and Basemapping (Furtado &amp; Associates)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>\$0.00</b>
<b>Task 5 - Geotechnical Investigations (HWA GeoSciences)</b>																		
<b>Total Task 5 - Geotechnical Investigations (HWA GeoSciences)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>\$0.00</b>
<b>Task 6 - Environmental Documentation and Permitting</b>																		
6.1 General Background Information Review and Analysis			6.00										8.00				14.00	\$2,721.00
6.2 SEPA Checklist			6.00										6.00				12.00	\$2,425.00
6.3 NPDES Construction Stormwater General Permit (CSGP)			2.00										6.00				8.00	\$1,401.00
<b>Total Task 6 - Environmental Documentation and Permitting</b>	<b>0.00</b>	<b>0.00</b>	<b>14.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>20.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>34.00</b>	<b>\$6,547.00</b>
<b>Task 7 - Community Engagement (Stepherson &amp; Associates Communications and Pereteet)</b>																		
7.2 Public Outreach Communication Coordination Meetings (S&A)						6.00											6.00	\$1,181.00

Task	Billing Rate	Principal	Sr. Associate	Sr. Associate	Sr. Associate	Sr. Engineer / Mgr	Sr. Engineer / Mgr	Sr. Engineer / Mgr	Lead Engineer / Mgr	Lead Engineer / Mgr	Civil Designer II	Civil Designer I	Technician III	Planner II	Construction Supervisor	Accountant	Clerical	Total Hours	Labor Dollars
		\$368.12	\$247.39	\$256.08	\$243.77	\$190.64	\$196.89	\$227.39	\$171.89	\$0.00	\$133.54	\$117.20	\$109.38	\$148.10	\$255.45	\$159.39	\$105.82		
7.3 Consultant Communication Team Meetings and Coordination (S&A)						3.00	7.00											10.00	\$1,950.00
<b>Total Task 7 - Community Engagement (Stepherson &amp; Associates Communications and Perteet)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.00</b>	<b>13.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.00</b>	<b>\$3,131.00</b>
<b>Task 8 - Grant Assistance</b>																			
8.1 TIB Grant Assistance						10.00	10.00				10.00		10.00	5.00				45.00	\$7,045.00
<b>Total Task 8 - Grant Assistance</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>10.00</b>	<b>10.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>10.00</b>	<b>0.00</b>	<b>10.00</b>	<b>5.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>45.00</b>	<b>\$7,045.00</b>
<b>Task 9 - 30% Design and PS&amp;E (Perteet &amp; HBB)</b>																			
9.1 30% Design and Plans (Perteet)						36.00	4.00			10.00	78.00		68.00					196.00	\$25,505.00
9.2 30% Specifications (Perteet)						8.00	1.00										2.00	11.00	\$1,934.00
9.3 30% Engineer's Estimate (Perteet)						6.00	1.00	2.00	2.00		14.00	16.00						41.00	\$5,884.00
9.4 Preliminary Illumination Design (Perteet)								12.00			24.00		8.00				1.00	45.00	\$6,915.00
9.5 and 9.6 (HBB)																			
9.7 Preliminary Stormwater Design (Perteet)			5.00						32.00		40.00							77.00	\$12,079.00
9.8 Preliminary Design and PS&E QA/QC of Deliverables					8.00													8.00	\$1,950.00
9.9 Exhibit support for Community Engagement (Perteet)						4.00	1.00				8.00		32.00					45.00	\$5,528.00
<b>Total Task 9 - 30% Design and PS&amp;E (Perteet &amp; HBB)</b>		<b>0.00</b>	<b>5.00</b>	<b>0.00</b>	<b>8.00</b>	<b>54.00</b>	<b>7.00</b>	<b>14.00</b>	<b>34.00</b>	<b>10.00</b>	<b>164.00</b>	<b>16.00</b>	<b>108.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.00</b>	<b>423.00</b>	<b>\$59,794.00</b>
<b>Task 10 - 60% Design and PS&amp;E (Perteet &amp; HBB)</b>																			
10.1 Response to 30% City Comments						16.00	2.00		2.00		4.00							24.00	\$4,322.00
10.2 60% Design and Plans						76.00	8.00		44.00		198.00		110.00					436.00	\$62,099.00
10.3 60% Engineer's Estimate						8.00	1.00	2.00	2.00		20.00	20.00						53.00	\$7,535.00
10.4 60% Specifications						20.00	2.00	4.00									2.00	28.00	\$5,328.00
10.5 60% Illumination Design								12.00			32.00		8.00					52.00	\$7,877.00
10.6 60% Landscape Design and PS&E (HBB)																			
10.7 60% Stormwater Report Preparation			8.00						70.00		30.00		8.00					116.00	\$18,892.00
10.8 60% PS&E QA/QC of Deliverables					8.00													8.00	\$1,950.00
<b>Total Task 10 - 60% Design and PS&amp;E (Perteet &amp; HBB)</b>		<b>0.00</b>	<b>8.00</b>	<b>0.00</b>	<b>8.00</b>	<b>120.00</b>	<b>13.00</b>	<b>18.00</b>	<b>118.00</b>	<b>0.00</b>	<b>284.00</b>	<b>20.00</b>	<b>126.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>717.00</b>	<b>\$108,004.00</b>
<b>Task 11 - 90% Design and PS&amp;E (Perteet &amp; HBB)</b>																			
11.1 Response to 60% City Comments						17.00	2.00		2.00		4.00							25.00	\$4,513.00
11.2 90% Design and Plans			6.00			78.00	8.00		36.00		168.00		96.00					392.00	\$57,052.00
11.3 90% Engineer's Estimate						6.00	1.00	1.00			16.00	16.00						40.00	\$5,580.00
11.4 90% Specifications						10.00	1.00	4.00									2.00	17.00	\$3,224.00
11.5 90% Illumination Design								4.00			16.00		6.00					26.00	\$3,702.00
11.6 90% Landscape Design and PS&E (HBB)																			
11.7 90% Stormwater Report Preparation (Perteet)			8.00						72.00		36.00		8.00					124.00	\$20,037.00

Task	Principal	Sr. Associate	Sr. Associate	Sr. Associate	Sr. Engineer / Mgr	Sr. Engineer / Mgr	Sr. Engineer / Mgr	Lead Engineer / Mgr	Lead Engineer / Mgr	Civil Designer II	Civil Designer I	Technician III	Planner II	Construction Supervisor	Accountant	Clerical	Total Hours	Labor Dollars
Task Billing Rate	\$368.12	\$247.39	\$256.08	\$243.77	\$190.64	\$196.89	\$227.39	\$171.89	\$0.00	\$133.54	\$117.20	\$109.38	\$148.10	\$255.45	\$159.39	\$105.82		
11.8 90% PS&E QA/QC and Constructability Review of Deliverables				8.00										12.00			20.00	\$5,016.00
<b>Total Task 11 - 90% Design and PS&amp;E (Perteet &amp; HBB)</b>	<b>0.00</b>	<b>14.00</b>	<b>0.00</b>	<b>8.00</b>	<b>111.00</b>	<b>12.00</b>	<b>9.00</b>	<b>110.00</b>	<b>0.00</b>	<b>240.00</b>	<b>16.00</b>	<b>110.00</b>	<b>0.00</b>	<b>12.00</b>	<b>0.00</b>	<b>2.00</b>	<b>644.00</b>	<b>\$99,125.00</b>
<b>Task 12 - Final PS&amp;E (Perteet &amp; HBB)</b>																		
12.1 Response to 90% Comments					20.00	2.00		2.00		4.00							28.00	\$5,084.00
12.2 Final Design and Plans		2.00			30.00	4.00		26.00		78.00		56.00					196.00	\$28,012.00
12.3 Final Engineer's Estimate					4.00					10.00							24.00	\$3,270.00
12.4 Final Specifications					6.00						4.00					2.00	12.00	\$1,824.00
12.5 Final Landscape Design and PS&E (HBB)																		
12.6 Final PS&E QA/QC of Deliverables				8.00													8.00	\$1,950.00
<b>Total Task 12 - Final PS&amp;E (Perteet &amp; HBB)</b>	<b>0.00</b>	<b>2.00</b>	<b>0.00</b>	<b>8.00</b>	<b>60.00</b>	<b>6.00</b>	<b>0.00</b>	<b>28.00</b>	<b>0.00</b>	<b>92.00</b>	<b>14.00</b>	<b>56.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>268.00</b>	<b>\$40,141.00</b>
<b>Task 13 - Ad Ready Contract Documents</b>																		
Ad-Ready Contract Documents					30.00	4.00		6.00		48.00	16.00	48.00				2.00	154.00	\$21,285.00
<b>Total Task 13 - Ad Ready Contract Documents</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>30.00</b>	<b>4.00</b>	<b>0.00</b>	<b>6.00</b>	<b>0.00</b>	<b>48.00</b>	<b>16.00</b>	<b>48.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>154.00</b>	<b>\$21,285.00</b>
<b>Task 14 - Maximum Extent Feasible (MEF) Documentation</b>																		
14.1 Design MEF Documentation					16.00	2.00				16.00		8.00					42.00	\$6,456.00
<b>Total Task 14 - Maximum Extent Feasible (MEF) Documentation</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.00</b>	<b>0.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>42.00</b>	<b>\$6,456.00</b>
<b>Task 15 - Right-of-Way Plans (Furtado &amp; Associates and Perteet)</b>																		
15.2 Draft and Final Right-of-Way Plans (Perteet)					16.00	2.00				28.00		42.00					88.00	\$11,777.00
<b>Total Task 15 - Right-of-Way Plans (Furtado &amp; Associates and Perteet)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>28.00</b>	<b>0.00</b>	<b>42.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>88.00</b>	<b>\$11,777.00</b>
<b>Task 16 - Bid Support (Perteet and HBB)</b>																		
16.1 Provide Bid Clarifications					8.00	2.00				4.00							14.00	\$2,453.00
16.2 Addenda					10.00	2.00				12.00		4.00					28.00	\$4,340.00
<b>Total Task 16 - Bid Support (Perteet and HBB)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.00</b>	<b>4.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.00</b>	<b>0.00</b>	<b>4.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>42.00</b>	<b>\$6,793.00</b>
<b>Expenses</b>																		
<b>Total Expenses</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>\$0.00</b>
<b>Total Hours</b>	<b>3.00</b>	<b>61.00</b>	<b>17.00</b>	<b>36.00</b>	<b>564.00</b>	<b>264.00</b>	<b>68.00</b>	<b>310.00</b>	<b>10.00</b>	<b>974.00</b>	<b>82.00</b>	<b>560.00</b>	<b>27.00</b>	<b>16.00</b>	<b>13.00</b>	<b>13.00</b>	<b>3,018.00</b>	
<b>Total Dollars</b>	<b>\$1,104.00</b>	<b>\$15,091.00</b>	<b>\$4,353.00</b>	<b>\$8,776.00</b>	<b>\$107,519.00</b>	<b>\$51,978.00</b>	<b>\$15,462.00</b>	<b>\$53,285.00</b>	<b>\$0.00</b>	<b>\$130,068.00</b>	<b>\$9,610.00</b>	<b>\$61,254.00</b>	<b>\$3,999.00</b>	<b>\$4,087.00</b>	<b>\$2,072.00</b>	<b>\$1,376.00</b>		<b>\$470,035.00</b>

Expenses:	
Mileage - \$.655	551
<b>Totals:</b>	<b>551</b>

Subconsultant Fees:	Cost	Markup	Bill
Furtado & Associates, Inc.	201,096		201,096
Hough Beck & Baird, Inc.	81,272		81,272
HWA GeoSciences Inc	37,330		37,330
Stepherson & Associates Communications, Inc.	50,304		50,304
<b>Totals:</b>	<b>370,002</b>		<b>370,002</b>

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SUMMARY	
Labor	\$470,035.00
Expenses	\$551.00
Subconsultants	\$370,002.00
Management Reserve	\$84,442.00
CONTRACT TOTAL	\$925,030.00

DRAFT

COST ESTIMATE FOR OPTIONAL GEOTECHNICAL SERVICES  
 S 204th Street, 30th Ave S & 32 Ave S, Seatac  
 Seatac, Washington



HWA Ref: 2023-059-21  
 Date: 18-Apr-23  
 Prepared By: MSP  
 Reviewed By: JLG

PROPOSED SCOPE: See scope of work

**ESTIMATED HWA LABOR:**

WORK TASK DESCRIPTION	PERSONNEL & 2023 HOURLY RATES								TOTAL HOURS	TOTAL AMOUNT
	Geotechnical Engineer VII	Geotechnical Engineer VII	Geotechnical Engineer V	Geologist IV	Geotechnical Engineer II	CAD	Contract Administrator	Administration		
	\$87.50	\$78.50	\$58.50	\$46.00	\$40.00	\$32.50	\$45.00	\$33.00		
<b>Conduct Pilot Infiltration Tests</b>										
Project Setup			1				1		2	\$104
Attend Project Meetings		6	6						12	\$822
Plan Geotechnical Explorations			1	4					5	\$243
Conduct Utility Locates			1	6					7	\$335
Generate Exploration Work Plan Memo:		1	2	4					7	\$380
Conduct 8 Cores with Hand Augers and DCP (Assume 2 Days)	1			20	20				40	\$1,720
Generate Boring Logs and Assign Laboratory Testing:			2		8				10	\$437
Evaluate Field and Lab Data			1		2				3	\$139
Perform Engineering Evaluations (Including Pavement Overlays)	8		2		4				6	\$277
Conduct Infiltration Screening:		1	2						3	\$196
HWA QA/QC		4		2					6	\$406
Prepare Draft Geotechnical Engineering Report	2	4	8			4			16	\$912
Prepare Final Geotechnical Engineering Report		4	4			1			9	\$581
Additional Reporting		2	2			2		1	7	\$372
Conduct Plan and Specification Review		2	4						6	\$391
Invoice Generation and Processing		3					3		6	\$371
Additional Geotechnical Project Management		3	1				2		6	\$384
<b>TOTAL LABOR:</b>	11	30	37	36	34	7	6	1	151	<b>\$8,066</b>

**LOADED LABOR:**

Estimated Direct Salary Based on 2023 Rates	\$8,066
Overhead at 2.0831 of Direct Salary	\$16,802
Profit Multiplier at 30% of Direct Salary	\$2,420
<b>TOTAL LABOR COST:</b>	<b>\$27,288</b>

**GEOTECHNICAL LABORATORY TEST SUMMARY:**

Test	Est. No. Tests	Unit Cost	Total Cost
Combined Sieve & Hydrometer Analysis	8	\$275	\$2,200
Seive Analysis	0	\$130	\$0
Moisture Content	8	\$24	\$192
<b>LABORATORY TOTAL:</b>			<b>\$2,392</b>

Note: this fee proposal assumes that infiltration testing will not be required for the project.

**ESTIMATED DIRECT EXPENSES:**

Mileage @ 0.65/mi	\$250
Traffic Control Plan Sheet Development	\$800
Core Fee (\$75/core)	\$600
DCP Rental	\$200
Private Locator	\$800
Traffic Control (Flaggers)	\$5,000
Laboratory analysis	\$2,392
<b>TOTAL DIRECT EXPENSES:</b>	<b>\$10,042</b>

**ESTIMATED PROJECT TOTALS AND SUMMARY:**

Labor Cost	\$27,288
Direct Expenses	\$10,042
<b>TOTAL:</b>	<b>\$37,330</b>

City of SeaTac S 204th Street Planned Hours

Start Date:	5/1/2023
End Date:	4/30/2024

Rate

Consultants

Kristin Anderson	Darcy Edmunds	Artashia Nelson	Jack Irwin	Shelley Morgan	Lynn Pasley	Paige Maliff	Josh Stepherson
Senior Associate	Associate III	Associate II	Project Coordinator	Associate I	Senior Graphic Designer	Project Controls	Principal
\$ 57.70	\$ 52.97	\$ 37.50	\$ 30.00	\$ 37.48	\$ 48.23	\$ 60.59	\$ 76.80

Phase	Project Management and Coord.	Consulting Hours						Consulting Hours	Consulting Services
Tasks 1)	Project Scope and Schedule		2				2	\$ 75.00	
2)	Monthly Progress Reports & Invoices		12			6	18	\$ 813.54	
3)	Project Kickoff Meeting		2				2	\$ 75.00	
4)	Design Coordination Meetings (Pereteet/City)		4				4	\$ 150.00	
5)							-	\$ -	
6)							-	\$ -	
7)							-	\$ -	
8)							-	\$ -	
Project Management and Coord. Subtotal:		-	20	-	-	6	26	\$ 1,113.54	

Phase	Public Outreach and Stakeholder Engagement	Consulting Hours						Consulting Hours Subtotal	Consulting Services Subtotal
Tasks 1)	Public Outreach Communication Coordination Meetings (w/ City)		6	2	2		10	\$ 359.96	
2)	Consultant Team Mtgs & Coordination		4	4	4	1	13	\$ 480.51	
3)	Public Involvement Plan	2	10	2			14	\$ 550.40	
4)	Communications Materials Development	1	20	32	12	24	89	\$ 3,374.98	
5)	Open House #1 @ 30%	2	30	30	20	10	92	\$ 3,372.30	
6)	Open House #2 @ 60%	1	20	30	14	10	75	\$ 2,714.72	
7)	Coordination w/ school		4	8	6		18	\$ 614.88	
8)	Webinar #1 @ 30%	1	10	12	6	2	31	\$ 1,114.04	
9)	Webinar #2 @ 60%	1	10	12	6	2	31	\$ 1,114.04	
10)	Online survey and outreach report	1	12	20	10	10	53	\$ 1,964.80	
Public Outreach and Stakeholder Engagement Subtotal:		9	-	126	152	80	58	426	\$ 15,660.63
								Labor Subtotal	\$ 16,774.17

ICR OH @ 1.6991%	\$	27,997.77
Fixed Fee @ 30%	\$	5,032.25
<b>Total</b>	<b>\$</b>	<b>49,804.19</b>

## Budget Totals

Consulting Services	
Hours	452
Fees	

Other Direct Costs	
Mileage and Travel	\$125
Parking	\$75
Online Survey Platform	\$300
<b>Fees</b>	<b>\$500</b>

**Total Costs**      \$      **50,304.19**

### Assumptions:

- SeaTac staff will cover all printing costs including the printing costs for open house display boards
- SeaTac staff will manage community correspondence
- SeaTac staff will pay for and cover any and all facility rental and refreshment costs related to open houses
- SeaTac will pay language translation vendor costs directly.

DRAFT



Furtado & Associates, Inc.  
 901 Fifth Avenue, Suite 2710  
 Seattle, WA 98164  
 Phone: (206) 621-1218  
 Fax: (206) 223-8223  
 Email: jyeager@furtadoassociates.com

Furtado & Associates, Inc.		Kumpula, Matthew T		Becker, Jonathan M		LaBerge, Anders		Alimova, Alexandra		Albert, Val J.		Reavis, Kathryn		Bihun, Charles		Ethridge, Ryan		Manalo, Alfonso		Goode, Peter		Goldsberry, Jessica	
Task	WBS Scope	Department Manager	Survey Manager III	Civil Engineer II	Engineering Technician V	Survey Manager III	Project Manager II	Civil Engineer III	Engineering Technician III	Sr Field Team Lead	Surveyor II	Sr. Project Admin	Total Hours										
1	<b>Project Management / Admin</b>																						
	1.1 Project Mgt / Admin	24										24	0										
	1.2 Project Meetings		8			8							48										
4	<b>Scanning &amp; Topo Survey</b>												16										
	4.2 Control - 30%									33	30		0										
	4.4 Scanning - 30%									77	70		63										
	4.4 Conventional - 30%									55	50		147										
	4.3 Utility Support - 30%							16		33	30		105										
	4.6 Survey QC - 30%									22	20		79										
													42										
													0										
4	<b>Basemap</b>												0										
	4.4 Drafting - Office - 30%					72	165			150			387										
	4.3 Utility Support - Office - 30%					12	16			16			44										
	4.6 QC - Office - 30%					12	20			20			52										
													0										
15	<b>Right-of-Way</b>												0										
	15.1 ROW Boundary Calcs - 30%		56										56										
	15.2 Signed Parcel Maps & LDs (11) - 30%		84	48	84								216										
<b>TOTAL HOURS</b>		24	148	48	84	104	201	16	186	220	200	24	1255										
Fully Burdened Hourly rate		\$ 238.85	\$ 224.94	\$ 125.08	\$ 128.34	\$ 214.88	\$ 161.40	\$ 170.62	\$ 98.10	\$ 140.89	\$ 97.11	\$ 157.30											
Fully Burdened Salary Cost		\$ 5,732	\$ 33,291	\$ 6,004	\$ 10,781	\$ 22,348	\$ 32,441	\$ 2,730	\$ 18,247	\$ 30,996	\$ 19,422	\$ 3,775	\$ 185,766.36										
Direct Expenses										Quantity	Rate	Cost											
Survey Vehicle Usage (\$60/day)										23	\$ 60	\$ 1,380											
3D Scanner(\$550/day)										5	\$ 550	\$ 2,750											
Contingency- APS Potholing(\$2500/Pothole)										0	\$ 2,500	\$ -											
APS Project Coordination(\$100/hr)										8	\$ 100	\$ 800											
APS Conductible Locates RM(\$130/hr)										80	\$ 130	\$ 10,400											
<b>Total Direct Expenses</b>													\$ 15,330										
<b>Total Fee =</b>													\$ 201,096										

\* This fee estimate is valid for 60 days following the date prepared. The hourly rates listed above are valid through 12/31/2023. Hourly rates will be increased in January 2024.

Notes on Breakdown:

PM/Admin – \$13k

30% survey – \$137

Signed parcel maps - \$36k

ODCs - \$15k

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<b>Project:</b>	<b>City of SeaTac South 204th Street, 30th Avenue South, &amp; 32nd Avenue South</b>
<b>Client:</b>	<b>Pereet Inc.</b>
<b>Firm:</b>	<b>HBB Landscape Architecture</b>
<b>Date:</b>	<b>4/17/2023</b>

Scope of Work		Principal	PM / LA	Design	Comp / Tech	Contracts Mgmt	TASK SUBTOTAL
		\$203.16	\$ 173.43	\$ 121.40	\$ 89.19	\$ 151.13	
<b>Task 9.</b>	<b>30% Design, Plans, Specifications, and Engineer's Estimate</b>	<b>1</b>	<b>22</b>	<b>10</b>	<b>28</b>	<b>12</b>	<b>\$30,543.50</b>
9.5	30% Landscape Design and PS&E						
	Site Visit		4				
	Meetings (2)		2				
	30% Engineer's Estimate	1	2	2	12		
	Monthly progress reports (12)		6			12	
9.6	Tree Assessment and Protection Plan		6	8	16		
	Meetings (2)		2				
	Draft Arborist Report						\$ 20,000.00
	Travel for site visits by Arborist and HBB						\$ 1,000.00
<b>Task 10.</b>	<b>60% Plans, Specifications, and Engineer's Estimate</b>	<b>7</b>	<b>38</b>	<b>28</b>	<b>116</b>	<b>0</b>	<b>\$21,757.70</b>
10.6	60% Landscape Design and PS&E						
	60% Plans (14 sheets)	4	16	24	100		
	Specifications	2	12				
	60% Engineer's Estimate	1	2	4	16		
	Meetings (8)		8				
<b>Task 11.</b>	<b>90% Plans, Specifications, and Engineer's Estimate</b>	<b>7</b>	<b>25</b>	<b>18</b>	<b>76</b>	<b>0</b>	<b>\$14,721.51</b>
11.6	90% Landscape Design and PS&E						
	90% Plans (14 sheets)	4	12	16	60		
	Specifications	2	8				
	90% Engineer's Estimate	1	2	2	16		
	Meetings (3)		3				
<b>Task 12.</b>	<b>Final Plans, Specifications, and Engineer's Estimate</b>	<b>7</b>	<b>15</b>	<b>12</b>	<b>36</b>	<b>0</b>	<b>\$11,691.21</b>
12.5	Landscape Design and PS&E						
	Final Plans (14 sheets)	4	8	12	24		
	Specifications	2	4				
	Final Engineer's Estimate	1	2		12		
	Meetings (1)		1				
	Final Arborist Report						\$ 3,000.00
<b>TASK 17.</b>	<b>Bid Support</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>12</b>	<b>0</b>	<b>\$2,556.82</b>
17.1	Review and respond to bidder questions		4				
17.2	Provide up to one (1) addendum	1	2	2	12		
<b>Total Hours</b>		<b>23</b>	<b>106</b>	<b>70</b>	<b>268</b>	<b>12</b>	
<b>Total Cost</b>		<b>\$4,672.68</b>	<b>\$18,383.58</b>	<b>\$8,498.00</b>	<b>\$23,902.92</b>	<b>\$1,813.56</b>	<b>\$57,270.74</b>

<b>TOTAL COST OF SERVICES</b>	<b>\$81,270.74</b>
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**ORDINANCE NO. \_\_\_\_\_**

AN ORDINANCE of the City Council of the City of SeaTac, Washington, authorizing the City Manager to execute a professional services contract with Perteet, Inc. for design of the South 204<sup>th</sup> St, 30<sup>th</sup> Avenue South & 32<sup>nd</sup> Avenue South project (Public Works Project ST-134), and amend the City's 2023-2024 Biennial Budget.

**WHEREAS**, the City of SeaTac implements a transportation improvement program, which identifies capital improvement projects for the City's transportation network; and

**WHEREAS** the South 204<sup>th</sup> St, 30<sup>th</sup> Avenue South & 32<sup>nd</sup> Avenue South ("Project"), Public Works Project ST-134, which is part of the City's transportation improvement program, will be designed in 2023 and 2024; and

**WHEREAS** additional funding for the Project design is needed in 2023 and 2024 resulting in increasing the Project budget expenditure amount in the Transportation CIP Fund (#307) by \$325,030.

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SEATAC,**

**WASHINGTON, DO ORDAIN as follows:**

**Section 1.** The City's 2023-2024 Biennial Budget shall be amended by increasing expenditures in the Transportation CIP Fund (#307) by \$325,030 to fund design efforts for the South 204<sup>th</sup> St, 30<sup>th</sup> Avenue South & 32<sup>nd</sup> Avenue South project.

**Section 2.** The City Manager is authorized to execute a contract with Perteet, Inc., in the amount of \$925,030 for the design of the South 204<sup>th</sup> St, 30<sup>th</sup> Avenue South & 32<sup>nd</sup> Avenue South (Public Works Project ST-134).

**Section 3.** This Ordinance shall be in full force and effect five (5) days after passage and publication as required by law.

**ADOPTED** this \_\_\_\_ day of \_\_\_\_\_, 2023, and signed in authentication thereof on this \_\_\_\_ day of \_\_\_\_\_, 2023.

**CITY OF SEATAC**

\_\_\_\_\_  
Jake Simpson, Mayor

ATTEST:

\_\_\_\_\_  
Kristina Gregg, City Clerk

Approved as to form:

\_\_\_\_\_  
Mary E. Mirante Bartolo, City Attorney

[Effective Date: \_\_\_\_\_]

[Public Works Project ST-134 Design Contract and Budget Amendment]

# Agenda Bill 6127 – S 204 St, 32<sup>nd</sup> Ave S & 30<sup>th</sup> Ave S

## Award of Professional Design Services Contract

April 20, 2023



# PRESENTATION OVERVIEW

## PURPOSE OF PRESENTATION

Staff to provide overview of the S. 204<sup>th</sup> St, 30<sup>th</sup> Ave. S & 32<sup>nd</sup> Ave. S Project and seek a Committee recommendation regarding a motion authorizing the following:

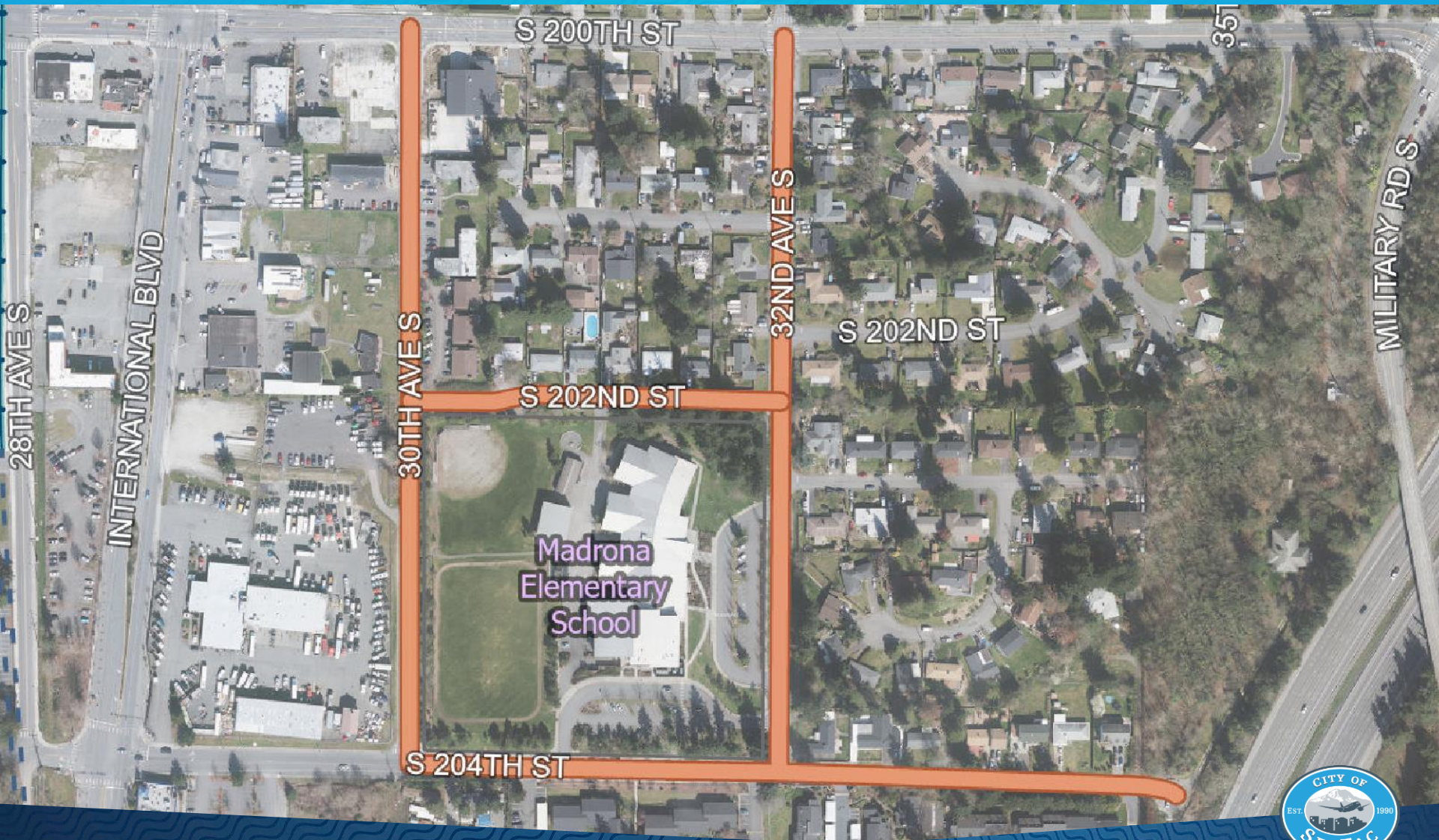
- Award of professional services contract with Perteet, Inc.
- Amend the 2023-2024 Budget to fund the design work

## WHY IS THIS ISSUE IMPORTANT?

1. The project will provide safe walking and biking along S. 204<sup>th</sup> Street, S 202<sup>nd</sup> Street, 30<sup>th</sup> Avenue S, and 32<sup>nd</sup> Avenue S.
2. Safety Improvements will be provided for the students at Madrona Elementary School, along 30<sup>th</sup> Ave. South, 32<sup>nd</sup> Ave. South, and South 202<sup>nd</sup> Street
3. To ensure the project runs with the timeline needed for WSDOT construction of the new 34<sup>th</sup> Avenue S.

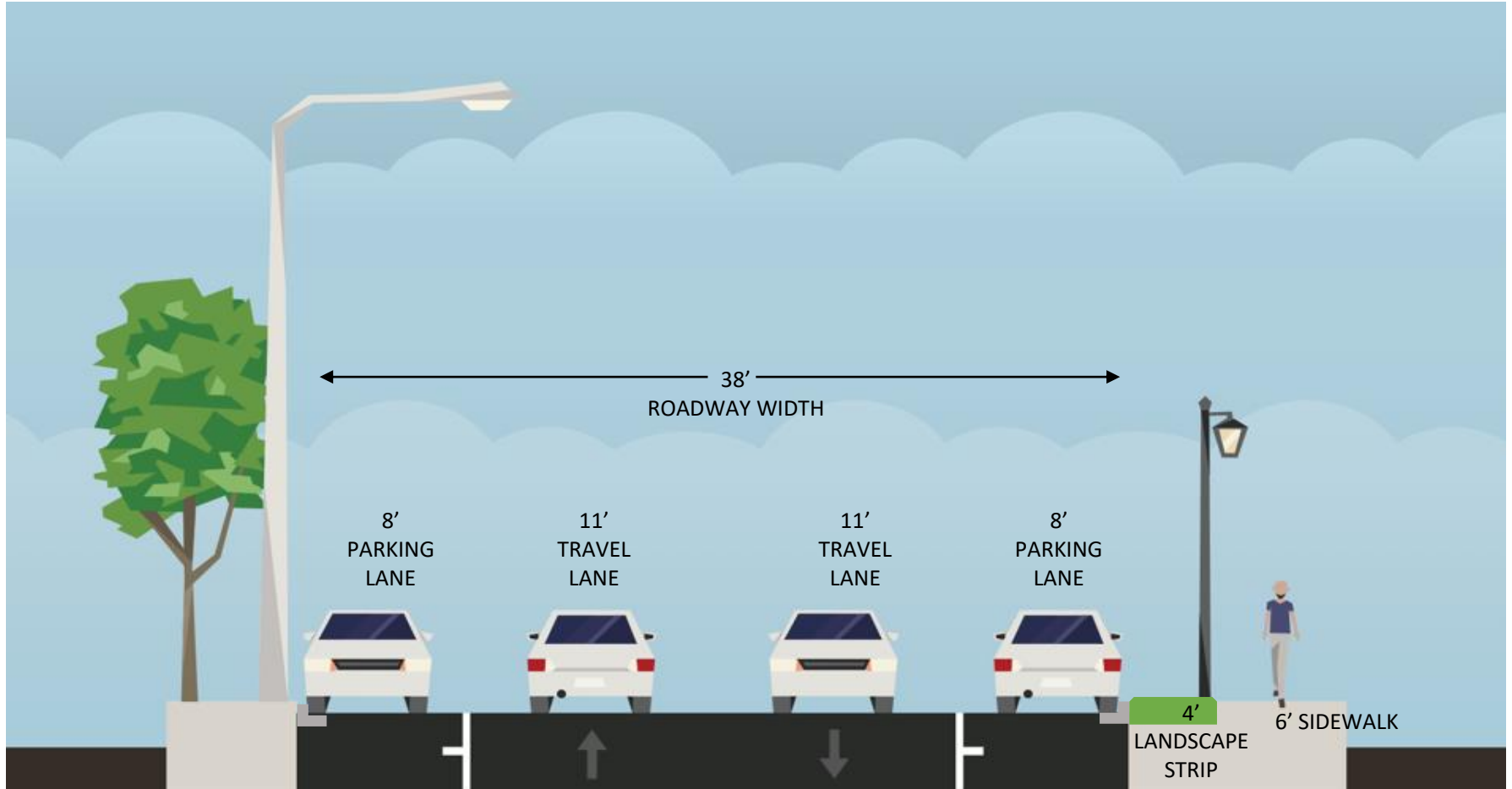


# PROJECT LOCATION





# SOUTH 204<sup>TH</sup> STREET PROPOSED STREET SECTION



# PROJECT ELEMENTS

## PEDESTRIAN FACILITIES ALONG SOUTH 204<sup>TH</sup> STREET



# PROJECT ELEMENTS

## SIDEWALKS ALONG 30<sup>th</sup> Ave. SOUTH & 32<sup>ND</sup> Ave. SOUTH



# PROJECT ELEMENTS

## ILLUMINATION FACILITIES THROUGHOUT PROJECT LIMITS



# PROJECT ELEMENTS

## CROSSWALKS AND RAPID RECTANGULAR FLASHING BEACONS (RRFB)



# PROJECT ELEMENTS

## SIDEWALKS ALONG SOUTH 202<sup>ND</sup> STREET



# AGENDA BILL OVERVIEW

## Design Consultant Selection

- Perteet, Inc. was selected from a group of three consultant firms to provide professional design services.
- Professional services to include:
  - Project Management
  - Survey and Base Mapping
  - Stormwater Analysis and Reporting
  - Geotechnical Services
  - Traffic Engineering Services
  - Right-of-Way Acquisition services
  - Environmental Permits
  - Utility Coordination
  - Public Outreach
  - Preparing Plans, Specifications, and Construction Estimates
  - Bid and Award Support



# FUNDING OVERVIEW

Budget at a Glance:

## Funding

Transportation CIP (307 Fund)

Year 2023

\$300,000

Year 2024

\$300,000

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**Total Funding Available**

**\$600,000**

## Expenditures

Perteet, Inc. Professional Design Services

\$925,030

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**Total Expenditures**

**\$925,030**

The City of SeaTac received \$300,000 for design and \$1,300,000 for construction from WSDOT SR 509 mitigation funds for this project.

To fund the design phase of the project an Ordinance is necessary to amend the City's 2023-2024 Biennial Budget.





# POTENTIAL COMMITTEE ACTION

## COMMITTEE ACTION REQUESTED

- Forward Agenda Bill 6127 to Council for approval at the May 9, 2023 RCM to authorize the City Manager to execute a Consultant Contract with Perteet Inc. and amend the City's 2023-2024 Biennial Budget.

## STAFF RECOMMENDATION

- Forward Agenda Bill 6127 and Ordinance to Council for approval.





# MEMORANDUM

To: Transportation and Public Works Committee  
Through: Kamal Mahmoud, Engineering Manager  
From: Pete Kang, Associate Civil Engineer  
Date: April 20, 2023  
Subject: 34<sup>th</sup> Ave S Phase 2 – Professional Services Contract (ST-016)

---

## **Purpose:**

This item is being brought before the Transportation & Public Works (T&PW) Committee for recommendation to proceed with Council review and action on a Motion to:

- Execute a professional services contract with KPG Psomas, Inc. to provide design services for the 34<sup>th</sup> Ave S Phase 2 project.

## **Background:**

This project proposes a safer route for pedestrians, bicycles, and vehicles traveling along 34th Avenue South between South 166th Street and South 176th Street. Project improvements include pedestrian/bicycle facilities, curb, gutter, on-street parking, landscape buffer, pavement reconstruction, pedestrian lighting, stormwater facilities, and undergrounding of overhead utilities.

The project received \$741,000 in Federal Funding for design. The consultant selection process was conducted in accordance with Local Agency Guidelines for Federally Funded projects. The need for consultant services was advertised in the Seattle Times and Daily Journal of Commerce. A committee of three staff members selected three consultants for interviews based on review of their Statements of Qualifications. Each consultant was interviewed and scored. KPG Psomas was selected as the most qualified firm to design the project.

The Consultant's scope of work will include development of contract bid documents including plans, specifications, and an engineer's estimate for construction as well as survey, stormwater analysis, traffic analysis, environmental permitting, and utility coordination. ROW acquisition and related services are not included in the current scope of work. A supplement is proposed after 10% design, that would accurately capture the level of work and fee required.

**PROJECTED FUNDING AVAILABLE FOR 2023 OVERLAY PROJECT**

Transportation CIP (307 Fund) Year 2023	\$996,000
<b>Total Available Funding</b>	<b>\$996,000</b>

**DESIGN EXPENDITURES**

KPG Psomas, Inc. Professional Design Services	\$1,382,140
<b>Total Expenditures</b>	<b>\$1,382,140</b>

As shown above, the design scope provided by KPG Psomas results in a design services contract totaling \$1,382,140, which includes a \$100,000 contingency. To fully fund the design phase, additional funds will be requested at the mid-biennium update for 2024.

**EXHIBIT A**

**CITY OF SEATAC**

**34<sup>TH</sup> AVENUE S - PHASE 2 IMPROVEMENTS PROJECT**

**(DRAFT) SCOPE OF WORK**

**APRIL 17, 2023**

**A. PROJECT BACKGROUND / DESCRIPTION**

The following Scope of Work outlines the effort required to complete Plans, Specifications, and Estimates to complete the 34<sup>th</sup> Avenue S – Phase 2 improvements project (“Project”) for the City of SeaTac (“City”). The Project will provide roadway, intersection, and non-motorized improvements to enhance safety/mobility of pedestrians and bicyclists. The primary components of this project will improve mobility and safety for all modes of travel and create an inviting urban design/streetscape environment that will provide a safe walking route to school and connections to the SeaTac City Center. The Project will design and construct improvements on 34<sup>th</sup> Avenue S from S 166<sup>th</sup> Street to S 176<sup>th</sup> Street.

Improvements along these roadway segments may include the following project elements:

- New landscaping, streetscape, and urban design improvements throughout 34<sup>th</sup> Avenue S
- Traffic analysis for systems at the 34<sup>th</sup> Avenue S & S 176<sup>th</sup> Street Intersection and at the 34<sup>th</sup> Avenue S & S 168<sup>th</sup> Street Intersection
- Modifications to the all-way stop beacon at the 34<sup>th</sup> Avenue S & S 170<sup>th</sup> Street Intersection including a roundabout analysis/layout for the intersection
- Upgraded ADA facilities throughout 34<sup>th</sup> Avenue S
- New sidewalks and amenity zones
- New decorative LED pedestrian and roadway illumination
- New channelization to accommodate parking facilities
- New bicycle lanes or shared-use paths
- Utility undergrounding
- Storm sewer network upgrades
- Water and sanitary sewer upgrades (to be designed by others)

The 34<sup>th</sup> Avenue S Phase 2 project is the second phase of the multi-phased improvement plan for 34<sup>th</sup> Avenue S. This Project design will reflect the level of usage and accommodations previously established in Phase 1.

This scope outlines the design efforts, supplemental services, and coordination required to achieve the City's Project goals. KPG Psomas Inc. ("Consultant") will provide the following services:

- Topographic Survey and Basemapping
- Stormwater Documentation and Reporting
- Transportation Analysis and Reporting
- Illumination Analysis and Report
- Structural Analysis and Design
- Geotechnical/Infiltration Investigation and Reporting
- Environmental Permitting and Support
- Right of Way Determination
- ROW Acquisition Estimating
- Public Involvement
- Coordination with Utilities and Stakeholders
- Conceptual designs and cost estimates for 34<sup>th</sup> Avenue S full buildouts
- 34<sup>th</sup> Avenue S Urban Design Report
- Preparing Plans, Specifications, and Estimates

**B. GENERAL PROJECT ASSUMPTIONS**

The following assumptions were identified to provide direction with design:

- ❑ The project will pursue funding through TIB Grant, PSRC/STP Grant, and other City funding sources.
- ❑ There is 20% design DBE Goal established for this project.
- ❑ The Project will require NEPA Documentation.
- ❑ The Project will require ROW Acquisition Services and all ROW Services rendered will assume federal funding, guidelines, and requirements.
- ❑ Water and Sanitary Sewer system designs, upgrades, and existing condition analysis are not included in this scope of work.
- ❑ The Consultant shall prepare all drawings using AutoCAD Civil 3D 2022 and Consultant Drafting Standards.

### **C. CONSULTANT DELIVERABLES**

Deliverables prepared by the Consultant are identified at the end of each Work Element (WE).

### **D. CITY PROVIDED ITEMS:**

- ❑ Submittal reviews, comments, and approvals
- ❑ Public notices, property owner mailings, postage
- ❑ Host and update project website
- ❑ Meeting room or virtual meeting arrangements and arrange for public open houses and community meetings
- ❑ Right-of-entries for surveying, geotechnical review, and/or construction, if required
- ❑ Available traffic data and vehicle classification
- ❑ Provide Consultant with existing record drawings (as-built plans) of street and public utilities (water, sanitary sewer, storm), right-of-way (ROW) plans, horizontal and vertical monument information, GIS maps and other applicable information, as may be available.
- ❑ Provide Consultant with a list of WSDOT-approved Patented/Proprietary Item Certification (PIC) or Public Interest Findings (PIF) materials to be incorporated into the project.
- ❑ Provide Consultant with City Standard details to be incorporated into the project.
- ❑ Provide Consultant with all City standard contract documents, GSP's, and City bid forms in Microsoft Word, Microsoft Excel, and Adobe pdf formats, as applicable.
- ❑ Provide Consultant ROW document templates and title reports.

### **E. SCOPE OF WORK**

#### **WORK ELEMENT 1 – MANAGEMENT / COORDINATION / ADMINISTRATION**

The Estimated project duration is 22 months.

- 1.1 The Consultant will provide continuous project management for the duration of the project through Final Design and ROW Acquisition (estimate 22 months). The Consultant will prepare monthly progress reports identifying work completed in the previous month, work in progress, upcoming work elements, and reporting of any delays, problems, or additional information needs. These reports will be submitted with the Consultant invoices.
- 1.2 Prepare for and attend monthly design coordination meetings with City Staff and other project stakeholders. These meetings will be held over virtual meeting venues (estimate 20 meetings total).

- 1.3 The Consultant will prepare and update a project schedule.
- 1.4 The Consultant will conduct regular project team meetings (estimate 20 meetings total) with internal staff and subconsultants.
- 1.5 The Consultant will provide internal quality assurance/quality control (QA/QC) reviews of all major deliverables prior to submittal to the City.

*Work Element 1 Deliverables:*

- *Monthly progress reports (22 months)*
- *Project Schedule and Updates*
- *QA/QC Checklist (Signed and Initialed)*

*Commitment to the City:*

*The Consultant recognizes and agrees that if a change is made substituting or changing assigned key personnel, the Consultant shall be responsible for any and all costs with the "Transfer of Knowledge and Information." The Transfer of Knowledge and Information shall be defined to include the labor hours spent reviewing project documentation, participating in meetings with Project personnel, and participating in site visits to normalize oneself with the Project and project location(s). The Agency shall not pay for any time spent for the "Transfer of Knowledge and Information."*

**WORK ELEMENT 2 – SURVEY AND BASE MAPPING**

- 2.1 Establish horizontal and vertical control points along the corridor for field topographic survey. Basis of control will be NAD 83/2011 for horizontal, and NAVD 88 for vertical. Control points will be established and will be made available for use during design/construction. The consultant will locate, field survey, and calculate positions for monuments and control points throughout the project limits, using the Washington State plane coordinate system. Conventional or GPS surveying methods will be used on this project.
- 2.2 Field survey within the project limits:
  - Field survey of planimetric features including not limited road crown, edge of the pavement, existing curb and gutter, sidewalk, traffic striping/channelization, fire hydrants, water meters, existing walls, mailboxes, fences, trees, vegetation, utilities, and ROW centerline (marked every 100'). Topographic mapping of the existing ground will be taken at approximately at 25-ft intervals (to 2-ft. contour intervals). The following streets will have a complete survey out to approximately thirty-five (35) feet behind the back of walk:
    - 34<sup>th</sup> Ave S from S 176<sup>th</sup> St to S 166<sup>th</sup> St, approximately 3,450 lineal feet.

- The following streets will have complete surveys within right of way:
    - 200 feet east and west of 34<sup>th</sup> Ave S on S 175<sup>th</sup> St/S 173<sup>rd</sup> St/S 172<sup>nd</sup> St/S 170<sup>nd</sup>, approximately 1,600 lineal feet.
    - 200 feet east of 34<sup>th</sup> Ave S on S 168<sup>th</sup> St.
    - 300 feet west and 200 feet east of 34<sup>th</sup> Ave S on S 176<sup>th</sup> St
  - Totaling approximately 5,250 lineal feet
  - Included in this WE are to locate overhead lines, walls, signal loops, locate paint marks in WE 2.3 at 50-ft intervals, locate surface features (valves, manholes, catch basins, junction boxes, vaults, etc.). Irrigation systems will not be included. Perform observation and measure-downs of existing storm drain catch basins and manholes and sewer manholes. The approximate size, type (brick, concrete), and general condition of the structures to confirm suitability for continued use, and the approximate size and location of pipes will be documented. These observations will be made from the surface. Private septic systems will be identified within survey limits via King County OSS records research.
- 2.3 The Consultant shall coordinate utility locates. Consultant shall subcontract with a utility locating company to paint conductible underground utility locations within the complete survey sections so that they can be surveyed in WE 2.2. Utility records collected by the locating company will be provided for our use. While every reasonable effort will be made by KPG Psomas to depict the location of underground utilities based on utility locates, KPG Psomas is not liable for errors or omissions by utility locators or erroneous or insufficient information shown on utility record drawings.
- 2.4 CADD mapping work to prepare 1"=20' topographic base map and digital terrain model (DTM) in AutoCAD format of the project within the limits described above. KPG Psomas mapping standards and Civil3D version 2022 will be utilized in base map preparation.
- 2.5 Research Records. Determine which existing corners and monuments should be field located and surveyed.
- 2.6 Calculations for ROW centerline alignment and ROW lines. Using the research information and the survey work described above, calculate location and surveyed corners, roadway features and monuments. The ROW centerline and margins will be defined geometrically using Washington state plane coordinates and stationing will be assigned to the alignment.



- 2.7 Potholing to identify potential utility conflicts will be completed as necessary for design (30 estimated). The locations of the potholes will be surveyed and added to the basemap.
- 2.8 Supplemental survey as needed to allow for new developments constructed after the original survey is conducted, additional areas determined to be needed during design, etc.

*Work Element 2 Deliverables:*

- *Electronic copies of the completed basemap will be delivered to the City.*

*Work Element 2 Assumptions:*

- *All parcel lines and existing ROW outside of the area where the acquisition services are required will be defined using King County GIS*
- *Private Septic system inspections are not included in this scope of work.*

**WORK ELEMENT 3 – STORMWATER ANALYSIS**

This WE includes the effort required to perform preliminary analysis, design and documentation of the project's stormwater management requirements in accordance with the 2021 King County *Surface Water Design Manual (KCSWDM)* and 2022 *City of SeaTac Addendum to the KCSWDM*.

- 3.1 Consultant will review the existing stormwater conveyance facilities within the project limits and identify all downstream conveyance systems; attend one (1) meeting with City utility staff; document applicable regulations, standards, hydrology and hydraulic design criteria; delineate threshold discharge areas (TDAs); coordinate with current and identify any SWM projects proposed in the next ten years based on review of the City Comprehensive Plan and/or discussions with City staff; identify downstream conveyance systems, pipe condition, pipe capacity and existing drainage easements on private parcels with CITY staff; determine the applicability of Core Requirements #3 (Flow Control), #8 (Water Quality), and #9 (On-Site BMPs).
- 3.2 Identify feasible alternative approaches for fulfilling required stormwater management requirements for proposed project and potential future right-of-way redevelopment. The on-site BMP analysis will include coordination with geotechnical subconsultant and roadway design as applicable. Present alternatives/concepts list to City for approval prior to conceptual design/layout

- work and prepare conceptual design and layout for each alternative. Evaluate identified alternatives based on construction cost, right-of-way acquisition cost, maintenance cost, and other relevant criteria as identified through discussions with City staff. Document alternatives analysis and recommended stormwater management approach in a technical memorandum for City review and approval.
- 3.3 Identify the potential to provide water quality treatment retrofits for the TDAs, as applicable. Water quality design alternatives will be assessed as part of the Technical Memorandum prepared under Element 3.2.
- 3.4 Perform design calculations and sizing of stormwater facilities for selected alternative for inclusion in the draft and final Technical Information Report (TIR) submittal.
- 3.5 Prepare a draft and final TIR to document the applicable Core Requirements with technical information and analysis of the stormwater facilities, a Level 1 Downstream Analysis, hydrologic calculations for detention, water quality, and on-site BMP facility design; hydraulic modeling for pipe sizing and conveyance analysis of new systems, and associated figures. The TIR will be finalized concurrent with the 100% design submittal.

*Work Element 3 Deliverables:*

- *PDF of Technical Memorandum of alternative analysis for stormwater management facilities*
- *PDF of the Draft Technical Information Report*
- *PDF Final Technical Information Report*

*Work Element 3 Assumptions:*

- *Up to two (2) stormwater management alternatives will be evaluated for each threshold discharge areas (TDAs) if needed*
- *Information on infiltration feasibility and design will be obtained from geotechnical engineer for evaluation of On-Site BMPs.*
- *The downstream analysis provided in the Draft TIR will be a Level 1 qualitative analysis. A numerical analysis to evaluate the direct discharge exemption from flow control is not included in this scope of work.*
- *The Construction Stormwater Pollution Prevention Plan (SWPPP) will be prepared by the contractor.*

**WORK ELEMENT 4 – TRANSPORTATION ANALYSIS REPORT**

This WE will analyze existing and future transportation conditions and identify multimodal mobility and safety improvements. The two study corridors for the analysis are 34<sup>th</sup>

Avenue S between S 166<sup>th</sup> Street and S 176<sup>th</sup> Street and S 176<sup>th</sup> Street from just east of 32<sup>nd</sup> Avenue S to just east of 34<sup>th</sup> Avenue S (terminus of the existing bike lanes).

4.1 The Consultant shall evaluate existing transportation conditions for vehicles, transit, pedestrians, and bicycles. The Consultant will evaluate existing pedestrian and bicycle facilities and activity along the study corridors and document existing and planned transit operations and facilities. The Consultant will hire a transportation data collection company to count AM and PM peak 2-hour intersection turning movement volumes at the S 170<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection and the S 176<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection. These intersection counts will include pedestrians, bicyclists, and heavy vehicle percentages. The data collection company will also collect one (1) 3-day, 24-hour tube count on 34<sup>th</sup> Avenue S that will include vehicle speeds and vehicle classification types. The Consultant will develop an existing conditions traffic operations model (Synchro 11) for the AM peak hour and PM peak hour at the following two intersections.

- S 170<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection
- S 176<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection

4.2 The Consultant will obtain five (5) years of historical crash data from WSDOT to evaluate crash locations, types, and frequencies along the two study corridors. The crash analysis will inform the evaluation and recommendation of safety improvements to reduce the frequency and severity of crashes.

4.3 The Consultant will develop 2045 AM/PM peak hours traffic operations models for the S 176<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection and the S 170<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection with roundabout option. The 2045 PM peak hour volumes will be extrapolated using the 2035 PM traffic forecasts from the City's *2015 Transportation Master Plan*. For the 2045 AM peak hour, the traffic forecasts will be developed based on the growth rates identified for the 2045 PM peak hour. The Consultant will evaluate the 2045 volumes to determine if the S 176<sup>th</sup> Street/34<sup>th</sup> Avenue S intersection will meet the Manual on Uniform Traffic Control Devices' (MUTCD) peak hour signal warrant.

4.3 The Consultant will evaluate multimodal mobility and safety improvements and work with City Staff to develop recommended improvements. The Consultant will evaluate traffic calming treatments and crossing treatments for 34<sup>th</sup> Avenue S, such as raised intersections and crosswalks, curb bulbs, rectangular rapid flashing beacon systems (RRFBs), and other treatments. The Consultant will use the 2045 AM and PM peak-hour traffic operations models to evaluate intersection traffic operations, traffic controls, and channelization.

The Consultant will evaluate bicycle facility options for 34<sup>th</sup> Avenue S a shared-use path. On S 176<sup>th</sup> Street, there will be a missing 800' segment of bicycle lanes between the Airport Station Improvement Project and the existing bike lanes just east of 32<sup>nd</sup> Avenue S. The Consultant will evaluate adding bicycle lanes to this missing segment by either widening the roadway or removing the center left turn lane.

- 4.5 The Consultant shall prepare a draft technical memorandum documenting the findings and recommendations from WE 4.1 to 4.5. The Consultant will provide a draft technical memorandum for review by the City. Once comments are received from the City, the Consultant will update the document and submit a final technical memorandum to the City.
- 4.6 The Consultant will provide additional traffic operations, non-motorized, and safety analysis to support the design process. This includes responding to design issues and to evaluate the impacts of proposed design solutions. This WE also includes support for environmental documentation of the project.
- 4.7 The Consultant will evaluate traffic operation during construction and recommend potential detour routing in support of the project's Traffic Control Plans. This may include evaluation of full or partial closures to streets, driveways, sidewalks, and changes to transit routing.

*Work Element 4 Deliverables:*

- *Existing and 2045 AM and PM peak hour Synchro models.*
- *Electronic pdf of the draft Transportation Analysis Technical Memorandum for City review and comment.*
- *Electronic pdf of the final Transportation Analysis Technical Memorandum, including any responses to City review comments.*

*Work Element 4 Assumptions:*

- *2045 traffic forecasts will be based on the growth from the 2035 traffic forecasts from the 2015 Transportation Master Plan. Travel demand modeling will not be included.*

**WORK ELEMENT 5 – GEOTECHNICAL INVESTIGATION**

**5.1 Field Investigation**

- Conduct a walk-through to observe pavement conditions. Provide information regarding pavement distress that may require repair or reconstruction before global rehabilitation.
- Coordinate and manage the field exploration, including utility locates, access preparation, and scheduling contractors and HWA staff.

- Prepare traffic control plans and obtain ROW permits from the City.
- Drill up to 12 pavement cores with excavations to depths of up to 2 feet below ground surface (BGS). Pavement cores will be located near the following locations:
  - 34<sup>th</sup> Avenue South from S 176<sup>th</sup> St to S 166<sup>th</sup> St (3,450 feet)
  - Near the intersections of 34<sup>th</sup> Avenue S and 166<sup>th</sup>, 168<sup>th</sup>, 170<sup>th</sup>, 172<sup>nd</sup>, 173<sup>rd</sup>, 175<sup>th</sup>, 176<sup>th</sup> Streets
- Backfill each core hole with compacted soils and patch with Aquaphalt.
- Drill one boring at or near the proposed location of signal poles at the intersection of South 176<sup>th</sup> Street and 34<sup>th</sup> Avenue South to depths of up to 20 feet BGS.
  - The borings will be drilled using hollow-stem auger drilling techniques and samples will be collected at 2.5-foot intervals.
- Drill one boring at or near the proposed location of signal poles at the intersection of South 170<sup>th</sup> Street and 34<sup>th</sup> Avenue South to depths of up to 20 feet BGS.
  - The borings will be drilled using hollow-stem auger drilling techniques and samples will be collected at 2.5-foot intervals.
- Collect samples from the borings and log the subsurface conditions encountered.
- Backfill with bentonite chip per Department of Ecology requirements, patch with concrete.

## 5.2 Engineering and Report

- Review available schematic or preliminary plans for the project.
- Evaluate laboratory data and results of pavement coring and drilled boreholes to estimate resilient modulus based on subsurface conditions and SPT blow counts.
- Analyze traffic classification count data for each street segment provided by the design team and determine design pavement equivalent single-axle load for each street segment.
- Perform engineering analysis to evaluate geologic hazards and measures to mitigate impacts; identify feasible retaining wall types; and provide retaining wall design parameters, utility trench and temporary shoring soil parameters, dewatering considerations, and foundation recommendations for luminaries and signal poles.
- Prepare a draft report (electronic PDF copy) summarizing findings, conclusions, and recommendations related to the following:
  - Summary of subsurface conditions and lab testing
  - A table of resilient modulus values
  - Subgrade preparation for asphalt concrete or Portland cement concrete roadway and beneath hardscape pavement
  - Pavement rehabilitation and widening recommendations
  - Luminaire foundation support
  - Applicable retaining wall types to support the cuts/fills
  - Retaining wall design parameters
  - Utility trench construction
  - Material specifications recommendations
  - Temporary excavations

- Results of drilled borings will be used to assess infiltration feasibility and estimated rates based on grain size analyses, if applicable
- Finalize report after incorporating review comments from KPG Psomas, Inc. and the City.

*Work Element 5 Deliverables:*

- *Plan showing proposed exploration locations to confirm that they are within the City ROW to be signed off by KPG Psomas and a City representative.*
- *Draft and final electronic pdf files of our Geotechnical Investigation and Pavement Engineering Report, stamped and signed by a professional engineer licensed in the State of Washington.*

*Work Element 5 Assumptions:*

- *Design plans showing project ROW extent, location and extent of proposed improvements will be provided to HWA prior to the planning of fieldwork.*
- *KPG Psomas will review the exploration plan and confirm locations of borings/cores are within existing ROW*

**WORK ELEMENT 6 – ENVIRONMENTAL PERMITTING AND SUPPORT SERVICES**

The Consultant shall provide environmental permit support for the proposed project, which currently has access to local funding, as well as state and federal grants.

- 6.1 This WE includes time for regular communication and coordination with the Consultant and the project manager, project engineers, and technical staff, City staff, and for agency coordination. Environmental permitting support is expected to last approximately 6-8 months.
- 6.2 The involvement of federal funds from WSDOT/FHWA triggers the requirement for the project to comply with the National Environmental Policy Act (NEPA), with FHWA as the federal lead entity. Prior to commencement of work on the project, the scope and level of documentation for each discipline area will be confirmed by the City and WSDOT. The Consultant will coordinate with the City and WSDOT Local Programs staff to determine the appropriate approach for environmental review and documentation. The project assumptions will be discussed with WSDOT to confirm the approach. For the purposes of this WE, it is assumed that a DCE (Documented Categorical Exclusion) is the appropriate level of NEPA documentation, as no significant impacts on the environment are anticipated. It is assumed that brief technical memoranda will be needed to document the existing conditions and lack of adverse effects to environmental justice and hazardous materials.

The Consultant will prepare a Draft and Final WSDOT CE Form for the project to document compliance with NEPA. The CE Form will be completed per the guidance and requirements in the WSDOT Environmental Manual and the Local Programs CE Guidebook at the time a notice to proceed is received by the Consultant. The Consultant will complete the Draft CE Form using existing information from the technical reports completed for the project, the project design plans, and other available information.

The Consultant will prepare an Environmental Justice (EJ) Technical Memorandum consistent with Chapter 458 of WSDOT's Environmental Manual/Section 4.13 of the CE Guidebook. CONSULTANT will collect demographic and community data as needed to characterize known EJ populations in the project vicinity. The EJ Technical Memorandum shall also summarize the communication plan and the completed and planned outreach efforts, as well as the right-of-way acquisition process. It is anticipated that the project will not adversely affect environmental justice populations.

The Consultant will coordinate with the City to define the project area of potential effects (APE) in order to initiate the Section 106 review with the Washington State Department of Transportation (WSDOT). Upon approval of the APE, the Consultant will conduct necessary background archival research, as practical, at Department of Archaeology and Historic Preservation (DAHP), the University of Washington, King County Assessor Records, King County Archives, and online resources to identify recorded and potential archaeological and historic resources in and around the project area. The Consultant will also review available environmental and geological background information for the approved APE. This information will be used to prepare a Cultural Resources Technical Memorandum (memo) consistent with Chapter 456 of the WSDOT Environmental Manual/Section 4.3 of the CE Guidebook for submittal by WSDOT to the DAHP and the tribes to initiate Section 106 consultation. The Consultant will review geotechnical boring logs and include relevant information as part of SEPA Checklist Question 13 discussed under WE 6.3.

- 6.3 Prepare a Draft and Final SEPA Checklist to address the City of SeaTac 32nd Avenue South Phase 2 Project. We will use existing information to complete the Checklist. At this time, it is reasonable to assume that no additional studies would be necessary to complete the Checklist. If it is determined by the City that the project is exempt from SEPA under WAC 197-11-800 or local code, this subtask will be unnecessary.

*Work Element 6 Deliverables (WE 6.1, 6.2, 6.3)*

- *NEPA coordination meeting with the City and WSDOT HLP*

- *Draft NEPA CE form for comments by the City*
- *Final NEPA CE for City signature and submittal to WSDOT*
- *Draft and Final EJ Tech Memo*
- *Draft and Final Hazardous Material Tech Memo*
- *Draft and Final Cultural Resources Technical Report revised per one round of review and comment by WSDOT and the City*
- *Draft SEPA Checklist (provided electronically in MSWord format).*
- *Final SEPA Checklist – (provided electronically in Adobe PDF format) includes edits based on one round of review comments by the City. All comment/edits made to the Word document will be provided in track changes mode.*

*Work Element 6 Assumptions:*

- *Except for those specifically listed above, the WE 6 scope does not include preparation of any additional environmental permits or approvals.*
- *The Consultant will prepare only the environmental permits and approvals specifically referenced in WE 6.*
- *In consultation with City and WSDOT staff, technical memoranda will be “right-sized” to address the potential impacts of this project. We assume that a CE is the appropriate environmental classification for this project. This scope of work will need to be amended if WSDOT and FHWA determine that additional technical reports will be required, or that the project requires an environmental assessment or Environmental Impact Statement to complete NEPA documentation.*
- *With the exception of a single site visit/hazardous materials windshield survey, no additional fieldwork or surveys will be required.*
- *No Section 4(f) properties are located within the project area.*
- *No hazardous materials are located within, or directly adjacent, to the project area.*
- *No Endangered Species Act-listed species are located within the vicinity of the project area nor is habitat for such species present. A “No Effect” determination for all species and critical habitat is appropriate and documentation of this determination will be made in the NEPA CE form. A separate Biological Assessment will not be required.*
- *No wetlands or streams are located within the project area; therefore, a wetland discipline report and fish, wildlife, and vegetation technical memorandum are not required under NEPA and no Critical Areas report is required under City code.*
- *The Project will not increase traffic capacity and therefore is not subject to air quality conformity analysis requirements, nor will a noise assessment be required under NEPA.*
- *The SOW assumes that WSDOT will concur that no historic property inventory will be required. The project alignment is bordered by primarily residential buildings that are set-back from the right-of-way. Based on the proposed project elements, it is assumed that there will be no physical impacts to these building or sign and project elements will be similar to existing conditions. Therefore, no historic properties will be inventoried as part of this SOW.*



- *Scope assumes an archaeological survey will not be required; if a survey is required, a separate scope of work will be prepared.*
- *WE 6 does not include revisions to the cultural resources report based on review by Section 106 consulting parties; this work would require an amendment to the SOW.*
- *For purposes of this scope of services, the Consultant has assumed that the City will be the SEPA lead agency and that they will issue a SEPA determination consistent with their SEPA rules. The City will be responsible for finalizing the checklist and responding to public and agency comments and will be responsible for any publication or permit fees.*
- *The Consultant assumes that any technical documents necessary for SEPA review outside the scope of the WE will be provided by the City.*
- *The SEPA Checklist will be based on about 30 percent design level project plans.*

#### **WORK ELEMENT 7 - RIGHT OF WAY ACQUISITION (PRELIMINARY REAL ESTATE ESTIMATE)**

7.1 Preliminary Real Estate Cost Estimate for the purpose of Right of Way Budgeting. Following the review of the 10% Design right-of-way plan, RESGNW will prepare a Preliminary Real Estate Cost Estimate based on impacted parcels as indicated in the 10% Design. The worksheets will include property information, zoning, acquisition type, assessed value, and estimated market land value. Additionally, the worksheets will include all potential costs to cure, and other acquisitions negotiation related to costs. The purpose of this report will be to capture potential real estate costs for budgeting purposes only.

##### *Work Element 7 Deliverables:*

- *PDF and Excel of the Real Estate Cost Estimate*

##### *Work Element 7 Assumptions:*

- *The purpose of this estimate will be to capture potential real estate costs and associated administrative fees for budgeting purposes. Once the preliminary real estate costs have been determined, further ROW Acquisitions services will be provided upon an approved supplement.*

#### **WORK ELEMENT 8 – PUBLIC INVOLVEMENT**

Stepherson & Associates Communications (S&A) shall develop a public outreach plan and provide public outreach services for the duration of the project. This scope of work is intended to cover services performed through final design. Additional scope and services provided during construction will require an amendment.

## 8.1 Project Management and Administration

- Project Scope & Schedules - S&A will provide the public involvement schedule to support the development of the overall schedule.
- Monthly Progress Reports & Invoices
  - Monthly progress reports and invoices (up to 14)
- Project Kickoff Meeting
  - Assumes two (2) S&A staff will attend a 90-minute in-person meeting
- Design Coordination Meetings (KPG Psomas and City of SeaTac meetings)
  - Internal (consultant) design team planning meetings (1 staff up to 6 virtual meetings)
  - Design team meetings with the City of SeaTac (1 staff up to 6 meetings)

## 8.2 Public Outreach and Stakeholder Engagement Services

- Public Outreach Communication Coordination Meetings - S&A will plan, facilitate, and report on public outreach communication coordination meetings with the City. The purpose of these meetings will be to plan and coordinate public outreach efforts with City staff.
- *Assumptions:*
  - *Assumes up to eight (8) meetings.*
  - *Majority of these meetings will occur online with up to four (4) at City offices*
  - *Meetings will last approximately one (1) hour.*
  - *KPG Psomas Project Manager, the Public Outreach Lead and a coordinator will participate in these meetings.*
- *Deliverables:*
  - *Agenda and pre-meeting materials*
  - *Meeting minutes and action items*

## 8.3 Consultant Communication Team Meetings and Coordination - S&A will plan and implement internal bi-weekly communication coordination meetings with the S&A team. The purpose of these meetings will be to plan and coordinate outreach efforts.

- *Assumptions:*
  - *Assumes up to twenty (20) meetings.*
  - *Meetings will last approximately 30 minutes.*
  - *Two to three (2–3) S&A staff will participate.*

**8.4** Public Involvement Plan - S&A will develop a public involvement plan (PIP) that identifies approaches for effectively informing and involving all audiences and is equitable in its distribution of outreach resources to various communities. It will include key messaging, a stakeholder list, and outreach tools/methods and associated timeline. Plan will include targeted outreach to disadvantaged/Title VI populations. S&A will schedule, plan, and attend a kickoff meeting with City staff prior to PIP development. The PIP will be developed in coordination with the City and early stakeholder interviews and a community demographic analysis will inform the plan. Once approved, a detailed work plan and schedule of outreach activities will be developed and updated quarterly.

- *Assumptions:*
  - *Assumes one (1) PIP kick-off meeting that will last approximately ninety (90) minutes and occur in-person. Up to two (2) Stepherson staff will attend.*
  - *City will provide to S&A any existing stakeholders lists, summary of community commitments and other pertinent outreach document upon Notice to Proceed.*
- *Deliverables:*
  - *PIP kick-off meeting agenda, pre-meeting materials, meeting minutes and action items*
  - *One (1) Draft PIP (electronic copy)*
  - *One (1) Final PIP (electronic copy)*
  - *Key messages – One (1) original and one (1) update*

**8.5** Communication Materials Development - S&A will coordinate with the City and the design team to facilitate preparation, production, and distribution of all public-facing communication materials, including project fact sheet(s), frequently asked questions (FAQ), webpage content, mailers, topic sheets and email update content. Fact sheet and FAQ will be translated in up to three (3) languages.

- *Assumptions:*
  - *S&A will provide content updates, photos, and graphics to City for City-hosted project website. Webpage updates will be submitted to City for review, approval and posting.*
  - *KPG Psomas will provide graphics and renderings for use in communication materials.*
  - *S&A will coordinate mailing services and translation of materials.*
  - *The City will be directly invoiced for printing and mailing, and translation services.*

- *Deliverables:*
  - *Project fact sheet: one (1) draft and one (1) final with two (2) updates.*
  - *Project FAQ: (1) draft and one (1) final with two (2) updates.*
  - *Website update content (up to 4)*
  - *Two (2) mailers and two (2) door hangers*
  - *Up to twenty (12) project yard signs w/ QR code to be placed along the corridor.*
  - *Email update content (up to 5)*

**8.6** Project Open Houses - S&A will plan, coordinate, promote and attend up to two (2) in-person open houses. The open houses will provide information and gather input gather input. S&A will prepare a detailed event plan for the open house that identifies goals, team member roles, all supplies and materials and a work back schedule for meeting preparation. S&A will develop display boards and all supporting open house materials.

- *Assumptions:*
  - *The City will identify and reserve meeting space.*
  - *S&A will coordinate interpretation services and mailing services related to promoting open house.*
  - *The City will be directly invoiced for mailing and interpretation services related to the open house.*
  - *The City will use their communication channels to actively promote the open house.*
  - *Assumes a 2-hour event, plus 3 hours set up and clean up time.*
  - *Up to three (3) S&A staff will attend open house.*
  - *S&A will work with KPG Psomas to develop up to eight (8) display boards for the meeting. KPG Psomas will provide graphics and support content development for open house materials.*
- *Deliverables:*
  - *Detailed event plan ( 1 draft and 1 final)*
  - *Meeting materials (sign-in sheet, comment form, directional signage)*
  - *Mailer/postcard for two (2) open houses*
  - *Up to eight (8) 24"x36" presentation quality display boards for two open house events.*

**8.7** Field work - S&A will also conduct door-to-door to frontline corridor residents and businesses to provide project information and notice of upcoming project events.

- *Assumptions:*
  - *Two (2) rounds of door-to-door to 50 homes*

**8.8** Correspondence - S&A will develop and maintain a database of community outreach activity. S&A will support City in the development of responses to public communications.

- *Assumptions:*
  - *S&A will draft responses. The City will review, finalize, and distribute responses.*
- *Deliverables*
  - *Up to twenty-five (25) draft communication responses (electronic copy)*

#### **WORK ELEMENT 9 – UTILITY COORDINATION**

The Consultant will coordinate with private/franchise utilities affected by the proposed improvements. Efforts included under this WE are as follows:

- 9.1 The Consultant will coordinate with each of the utilities through emails and phone calls. Updated plans will be sent to each utility at the 10%, 50%, 90%, and 100% design and Bid Document submittal phases. A Utility Contact Matrix will be updated throughout the duration of the project.
- 9.2 Prepare and update Pothole and Utility Conflict Plan: This plan will be submitted to all purveyors with utilities in the project limits to assess whether said utilities may conflict with the proposed improvements.
- 9.3 The Consultant shall prepare for and attend meetings (15 assumed) with public and franchise utilities to discuss utility conflicts, relocations, system limitations, system termini, requirements, and review any pertinent agreements/contracts between the City and the utility.
- 9.4 Utility locating service will provide potholing services to identify potential utility conflicts (30 estimated). The locations of the potholes will be surveyed and added to the basemap (WE 2). The Consultant will collect and analyze the pothole data necessary to develop the Pothole and Utility Conflict Plan (WE 9.2).
- 9.5 The Consultant will request and review existing record documents, and utility design standards from the local water and sewer districts. The Consultant will coordinate with the utility districts to identify any known plans of future improvements to be completed by that utility that may affect the proposed roadway project. The Consultant will coordinate with the utility districts to identify potential conflicts as described above. The Consultant will coordinate

with the utility districts for relocations of existing services based on the proposed roadway design.

*Work Element 9 Deliverables:*

- *Prepare and Update Pothole and Utility Conflict Plan*
- *Pothole Data Sheets*
- *Updated basemap showing utility potholes and actual utility locations*
- *Request and review record drawings and utility design standards*

*Work Element 9 Assumptions:*

- *Any private/franchise utility expansion which is required to be incorporated into the project is not included.*

**WORK ELEMENT 10 – PRELIMINARY DESIGN (10%), URBAN DESIGN REPORT, 34<sup>TH</sup> AVE S**

The Consultant shall prepare an Urban Design Report and Preliminary Design roll plot. The purpose of the Preliminary Design (10%) Phase is to define project scope, limits, ROW impacts, and phasing. Additionally, this WE covers the effort to develop project design features and obtain input from project stakeholders before the development of the 50% Design Plans.

10.1 The Consultant shall develop an Urban Design Report which will include the following illustrations:

- ❑ Illustrative Roadway Section
- ❑ Roadway Photo Simulation (1)
- ❑ Decorative illumination and Signal poles
- ❑ Urban Design Palette - Benches, Bollards, Trash Receptacles, Bike Racks
- ❑ Intersection Diagram with Decorative Surface Features
- ❑ Plant and Tree Palette
- ❑ Planter Fencing and Tree Grates

10.2 The Consultant shall prepare a Preliminary Design (10%) roll plot layout in AutoCAD format drafted with an aerial backdrop. Parking and the roadway corridor will be analyzed to provide optimal parking locations to fit within the design. The illustrative layout will show (plan view) decorative surface features, sidewalk and scoring patterns, planter and tree locations, curb ramps, crosswalks, parking stalls, signals poles/mast arms, decorative lighting, roadway channelization, bicycle markings, existing ROW and parcel lines. It is estimated that the Preliminary Design will be reviewed by the City before the plan is unveiled to the Public.

10.3 The Consultant shall advance a shared-use path roadway layout for 34<sup>th</sup> Avenue S in AutoCAD format drafted with an aerial backdrop. The layout will show (plan

view) roadway features, shared-use path, sidewalk, planters, crosswalks, parking stalls, roadway channelization, and bicycle markings.

- 10.4 The Consultant shall prepare a roundabout option for the intersection of 34<sup>th</sup> Avenue S and S 170<sup>th</sup> St. The layout will show (plan view), roundabout geometry, roadway medians/splitters, roadway features, shared-use path, sidewalk, planters, crosswalks, parking stalls, roadway channelization, and bicycle markings.

*Work Element 10 Deliverables:*

- *PDF copy of the Urban Design Package*
- *PDF copy of the Illustrative Preliminary Design (10%) Layout*
- *PDF Copy of 34<sup>th</sup> Avenue S with and without shared-use path*
- *PDF and Excel of the 34<sup>th</sup> Avenue Opinion of Costs*

*Work Element 10 Assumptions:*

- *Future design phases will not commence until the City reviews and approves the Preliminary Design (10%).*
- *One round of minor revisions of the 10% Design are assumed.*

**WORK ELEMENT 11 – FINAL DESIGN (50%, 90%, 100%)**

The Consultant shall prepare 50%, 90%, and 100% Plans, Specifications and Estimates for review and approval by the City. Plans shall be formatted to provide sufficient detail for convenient field layout of all proposed facilities. City Standard Details and WSDOT standard plans will be supplemented with project-specific details as required. All design plans and documents will be signed by a licensed professional engineer in the State of Washington.

- 11.1 The Consultant shall prepare 50% plans for review and approval by the City. The 50% submittal will include comments received from the Preliminary Design (10%) and Stakeholder Input.
- 11.2 The Consultant will provide a constructability review of the 50% plans.
- 11.3 The Consultant shall prepare 90% plans for review and approval by the City. The 90% submittal will include all comments received from the 50% review and 50% constructability review.
- 11.4 The Consultant will provide a constructability review of the 90% plans.
- 11.5 The Consultant shall prepare 100% plans for review and approval by the City. The 100% submittal will include all comments received from the 90% review and 90% constructability review.

- 11.6 Consultant will calculate quantities and prepare construction cost estimates in support of the 50%, 90%, and 100% submittals.
- 11.7 Consultant will prepare specifications based on 2022 WSDOT Standard Specifications, using contract boilerplate, federal funding requirements (if needed), and general special provisions provided by the City for the 50%, 90%, and 100% submittals.
- 11.8 Consultant will prepare preliminary construction phasing plans.
- 11.9 The Consultant shall evaluate lighting performance using the AGI32 illumination model that shows lighting levels and uniformity. Lighting report will be prepared for the 50% (Draft), and 100% (Final) design submittals.

*Work Element 11 Deliverables:*

- *Five (5) ½-size bound copies of the 50% Design Plans and PDF copy*
- *Five (5) ½-size bound copies of the 90% Design Plans and PDF copy*
- *Five (5) ½-size bound copies of the 100% Design Plans and PDF copy*
- *PDF and Excel versions of the 50%, 90% and 100% Engineer's Estimate*
- *Five (5) hard copies and PDF copy of the 50%, 90% and 100% Specifications*
- *AGI32 Illumination Design Report*

*Work Element 11 Assumptions:*

- *Construction Phasing Plans shall be incorporated into the 90%/100%/Bid Design plan sets with the assumption that the contractor will adopt the sequencing plan and develop traffic control plans.*

**WORK ELEMENT 12 – WALL DESIGN (90%, 100%)**

- 12.1 This WE is performed by TranTech and entails providing final design Plans, Specifications, and Estimates (PS&E) and Bid Support for retaining walls required for the project.

The wall design has two components per following:

**Retaining Wall Design for Cut Conditions**

This subtask consists of the following activities for the 90% design of retaining walls for cut conditions on the project.

This subtask includes the following activities:

- Perform field reconnaissance along the proposed retaining wall alignment. Identify area(s) of concern if any.



- Evaluate and provide the feasible retaining wall type recommendation at the proposed wall alignment.
- Perform retaining wall design and advance design to 90%.

An estimate of 1000 Lineal feet of retaining wall to a maximum height of 4 feet is envisioned which is estimated to require 5 plan sheets at a 20 scale.

We are anticipating six plan sheets for this wall design per following: Notes; Plan & Profile (2); Wall Details 1 of 3; Wall Details 2 of 3; and Wall Details 3 of 3.

### **Misc. Foundation Design**

This subtask consists of activities to provide as-needed foundation design for misc. components of the project including illumination foundations as needed. The efforts associated with this task will per time and material and is limited to the estimated hours in the contract.

The design will be performed at three stages of 90%, 100% and Ad-ready

#### *Work Element 12 Deliverables:*

- *90% Design Plans, Specification, and Estimate submittals.*
- *100% Design Plans, Specification, and Estimate*
- *Ad-ready Design Plans, Specification, and Estimate*

#### *Work Element 12 Assumptions:*

- *Measurements: English units.*
- *Drafting Standard: City of SeaTac CAD Standards*
- *The CONSULTANT shall use AutoCAD software for plan preparation.*
- *Milestone submittals are defined as 90%, Ad-Ready level of PS&E and Bidding Phase support services.*
- *No work outside of the approved scope and fee of the PS&E contract shall be conducted until it has been approved by the City of SeaTac.*

### **WORK ELEMENT 13 – WSDOT REVIEW AND BID DOCUMENTS**

The Consultant shall provide WSDOT Review Plans, Specifications and Estimates for review and approval by WSDOT. Bid Document Plans, Specifications and Estimates will be developed after addressing WSDOT review comments. WSDOT Review documents and Bid Documents will be stamped, signed and dated by a licensed professional engineer in the State of Washington. All Division 1 Specification modifications will be coordinated by the consultant.

- 13.1 The Consultant shall prepare a set of WSDOT concurrence submittal documents (Plans, Specifications and Cost Estimate) for WSDOT Northwest Region for review. The WSDOT review submittal will include all comments received from the City's 100% Design review and include the WSDOT Checklist.
- 13.2 Provide Quantity and Estimate support in the development of City prepared Public Interest Findings (PIF) or Patented/Proprietary Item Certification (PIC for all City sole sourced materials and prepare Maximum Extent Feasible (MEF) documentation in accordance with WSDOT requirements.
- 13.3 The Consultant shall prepare Bid Documents (Plans, Specifications and Cost Estimate) for advertisement by the City. The Bid Documents will include all comments received from the WSDOT review submittal.
- 13.4 Consultant will assist the City during the bidding process in answering questions by the Contractors, or in providing information for an addendum, as requested by the City.

The estimated sheet count is the following:

- 1 Cover Sheet
- 2 Sheet Index, Alignment Plan, and Survey Control
- 1 Legend and Abbreviations
- 2 Typical Roadway Sections
- 2 Roadway Details
- 20 Driveway Profiles
- 1 Driveway Details
- 5 Site Preparation Plans and TESC Plans
- 10 Roadway Plans/Profiles
- 10 Stormwater Plans/Profiles
- 2 Stormwater Details
- 10 JUT Plans/Sections
- 1 JUT Details
- 2 Wall Plan and Elevation
- 3 Wall Details
- 10 Curb Ramp Grading Plans
- 9 Illumination Plans
- 3 Illumination Details
- 5 Urban Design Plans
- 3 Urban Design Details
- 5 Landscape Plans
- 2 Landscape Details
- 5 Irrigation Plans

- 2 Irrigation Details
- 10 Channelization and Signing Plans
- 8 Construction Phasing Plans/Details
- 10 Right of Way Plans

**Total: 144 Sheets**

*Work Element 13 Deliverables:*

- *PDF copy of the Plans, Specifications, & Estimate, delivered to WSDOT*
- *PIF of PIC for sole source materials to be submitted to WSDOT*
- *MEF Documentation*
- *PDF of the Bid Design Plans*
- *PDF and Excel versions of the Bid Engineer’s Estimate*
- *PDF copy of the Bid Specifications*
- *Addenda and Answers to Questions During Bidding*

*Work Element 13 Assumptions:*

- *The City will provide the Consultant with copies of PIF or PIC documents to be submitted to WSDOT. Consultant will assist with quantities and estimates.*

**WORK ELEMENT 14 – GRANT SUPPORT**

The Consultant will support the City to apply for grant funding for right-of-way and construction. Grant support could include preparation of graphics, applications, and presentations to selection committees. Potential grant programs appropriate for this project include PSRC Regionwide, PSRC Transportation Alternatives Program, WSDOT Pedestrian and Bicycle Program and Safe Routes to School.

*Work Element 14 Assumptions:*

- *Grant support will be limited to the hours and budget assigned to Work Element 14.*

**ADDITIONAL SERVICES**

The City may require additional services of the Consultant. The scope of these services will be determined based on the unanticipated project needs or other considerations at the sole discretion of the City. This work may include items identified in the current WE authorizations as well other items, which may include, but are not necessarily limited to the following:

- Providing Construction Engineering Support Services
- Providing Construction Administration Services

These services will be authorized under a future contract supplement if necessary. At the time these services are required, the Consultant shall provide a detailed scope of work and an estimate of costs. The Consultant shall not proceed with the work until the City has authorized the work and issued a notice to proceed.

**EXHIBIT D (DRAFT)**  
**PRIME CONSULTANT COST COMPUTATIONS**  
 Client: City of Seatac  
 Project Name: 34th Avenue Phase 2  
 KPG Psomas Inc.  
 Date: 4/17/2023

WE	WE Description	Labor Hour Estimate																									Total Hours and Labor Cost Computations	
		Engineering Manager	Senior Engineer	Project Engineer I	Design Engineer II	Design Engineer I	Engineering Technician	Senior Project Manager Survey	Survey Crew II (W/Equip)	Survey Crew I (W/Equip)	Project Surveyor	Surveyor III	Urban Design Manager	Project Landscape Architect	Landscape Technician	Senior Transportation Planner	Transportation Planner	Environmental Manager	Senior Archaeologist	Senior Archaeologist	Senior Archaeologist	Senior Archaeologist	Construction Manager	CAD Manager	Senior CAD Technician	Senior Admin		
		\$251.00	\$215.00	\$149.00	\$140.00	\$133.00	\$114.00	\$251.00	\$260.00	\$205.00	\$164.00	\$137.00	\$200.00	\$155.00	\$102.00	\$190.00	\$114.00	\$219.00	\$167.00	\$177.00	\$91.00	\$119.00	\$185.00	\$180.00	\$138.00	\$133.00	Hours	Totals
<b>WE 1 - Project Management</b>																												
1.1	Project Management (22 Months)	40	22																							22	84	\$ 17,696.00
1.2	Monthly Coordination Meetings (22)	22	22	16			4					8	8	4													84	\$ 16,340.00
1.3	Project Schedule	10																								10	\$ 400.00	
1.4	Internal Project Team Meetings (20)	10	20	20			10					10	10	10												90	\$ 15,500.00	
1.5	QA/QC Reviews	16	16	16								16	16													80	\$ 15,520.00	
	<b>WE Total</b>	<b>98</b>	<b>80</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>34</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>348</b>	<b>\$ 65,456.00</b>
<b>WE 2 - Survey and Base Mapping</b>																												
2.1	Establish Survey Control							4	40																	44	\$ 11,404.00	
2.2	Field Survey							16	70	125																211	\$ 47,841.00	
2.3	Utility Locate Coordination		16			80																				96	\$ 14,080.00	
2.4	Base Map and DTM							16			165															181	\$ 26,621.00	
2.5	Research Records							8			80															88	\$ 15,128.00	
2.6	Calculations for ROW							8			80															88	\$ 15,128.00	
2.7	Survey of Potholes									20		10														30	\$ 5,470.00	
2.8	Additional Survey										16															48	\$ 10,512.00	
	<b>WE Total</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>52</b>	<b>142</b>	<b>145</b>	<b>160</b>	<b>191</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>786</b>	<b>\$ 146,184.00</b>	
<b>WE 3 - Stormwater Analysis</b>																												
3.1	Review Existing System			12	20																					32	\$ 4,588.00	
3.2	Stormwater Requirements & Management Alts.		4	20	36																					60	\$ 8,880.00	
3.3	Water Quality Treatment Analysis		4	8	24																					36	\$ 5,412.00	
3.4	Design Calculations		4	20	40																					64	\$ 9,440.00	
3.5	Draft and Final TIR		4	24	40																					68	\$ 10,036.00	
	<b>WE Total</b>	<b>0</b>	<b>16</b>	<b>84</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>260</b>	<b>\$ 38,356.00</b>	
<b>WE 4 - Transportation Analysis</b>																												
4.1	Existing Conditions Analysis														8	24										32	\$ 4,256.00	
4.2	Crash Data Analysis														4	14										18	\$ 2,356.00	
4.3	2045 Traffic Operations														10	8										18	\$ 2,812.00	
4.4	Recommended Improvements														24	28										52	\$ 7,752.00	
4.5	Draft and Final Technical Memorandum														10	16										26	\$ 3,724.00	
4.6	Transportation Design Support														12											12	\$ 2,280.00	
4.7	Construction and Detour Analysis														8	12										20	\$ 2,888.00	
	<b>WE Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>178</b>	<b>\$ 26,068.00</b>	
<b>WE 5 - Geotechnical Investigation</b>																												
5.1	Field Investigation	4	4																							8	\$ 1,864.00	
5.2	Engineering and Report	4	4																							8	\$ 1,864.00	
	<b>WE Total</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>\$ 3,728.00</b>	
<b>WE 6 - Environmental Permitting</b>																												
6.1	Coordination and Meetings	4															16									20	\$ 4,508.00	
6.2	NEPA and Cultural Resources	4		8													66	32	4	3	4					121	\$ 23,451.00	
6.3	SEPA	4															32		2	1						39	\$ 8,457.00	
	<b>WE Total</b>	<b>12</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114</b>	<b>32</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180</b>	<b>\$ 36,416.00</b>	
<b>WE 7 - Right of Way Acquisition (Estimate)</b>																												
7.1	Real Estate Management	8	8	16																						32	\$ 6,112.00	
	<b>WE Total</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>\$ 6,112.00</b>	

WE	WE Description	Labor Hour Estimate																								Total Hours and Labor Cost Computations					
		Engineering Manager	Senior Engineer	Project Engineer I	Design Engineer II	Design Engineer I	Engineering Technician	Senior Project Manager Survey	Survey Crew II (W/Equip)	Survey Crew I (W/Equip)	Project Surveyor	Surveyor II	Urban Design Manager	Project Landscape Architect	Landscape Technician	Senior Transportation Planner	Transportation Planner	Environmental Manager	Senior Archaeologist	Senior Archaeologist	Senior Archaeologist	Senior Archaeologist	Construction Manager	CAD Manager	Senior CAD Technician			Senior Admin			
		\$251.00	\$215.00	\$149.00	\$140.00	\$133.00	\$114.00	\$251.00	\$260.00	\$205.00	\$164.00	\$137.00	\$200.00	\$155.00	\$102.00	\$190.00	\$114.00	\$219.00	\$167.00	\$177.00	\$91.00	\$119.00	\$185.00	\$180.00	\$138.00	\$133.00	Hours	Totals			
<b>WE 8 - Public Involvement</b>																															
8.1	Project Management and Administration													3	3												6	\$ 771.00			
8.2	Public Outreach and Stakeholder Engagement Services	2																									2	\$ 502.00			
8.3	Consultant Communication Team Meetings and Coordination	2																									2	\$ 502.00			
8.4	Public Involvement Plan	2												2	8												12	\$ 1,628.00			
8.5	Communication Materials Development	2																									2	\$ 502.00			
8.6	Project Open House	32	16											16	52												116	\$ 19,256.00			
8.7	Field Work	4	4																								8	\$ 1,864.00			
8.8	Correspondence																										0	\$ -			
	<b>WE Total</b>	<b>44</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>148</b>	<b>\$ 25,025.00</b>			
<b>WE 9 - Utility Coordination</b>																															
9.1	Utility Coordination and Contact Matrix	2	40	8	40	8	40																				138	\$ 21,518.00			
9.2	Utility Conflict Plan	2	36	2	40	8	24																			16	128	\$ 20,148.00			
9.3	Meetings with the Utilities (15)	8	6		30		8																				52	\$ 8,410.00			
9.4	Potholing (40)		24	2	24	8																					58	\$ 9,882.00			
9.5	Utility District Coordination	4	16		16																						36	\$ 6,684.00			
	<b>WE Total</b>	<b>16</b>	<b>122</b>	<b>12</b>	<b>150</b>	<b>24</b>	<b>72</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>412</b>	<b>\$ 66,642.00</b>		
<b>WE 10 - Preliminary Design (10%), Urban Design Report, 34th Ave S</b>																															
10.1	Urban Design Report												2	20	32													54	\$ 6,764.00		
10.2	10% Design Roll Plot		28	24		16	40						2	16	24											16	166	\$ 23,820.00			
10.3	Roadway Layouts		28				40																				84	\$ 12,788.00			
10.4	Roundabout Layout		28	24			40																			16	108	\$ 16,364.00			
	<b>WE Total</b>	<b>0</b>	<b>84</b>	<b>48</b>	<b>0</b>	<b>16</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>36</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>0</b>	<b>412</b>	<b>\$ 59,736.00</b>		
<b>WE 11 - Final Design (50%, 90%, 100%)</b>																															
11.1	50% Plans		152	172	128	268	260						20	60	100										24	70	1254	\$ 178,992.00			
11.2	50% Constructability Review	8																									32	\$ 6,448.00			
11.3	90% Plans		172	228	184	200	430						40	120	140												1550	\$ 218,432.00			
11.4	90% Constructability Review	8																									32	\$ 6,448.00			
11.5	100% Plans		72	64	68	60	136						16	40	80												536	\$ 75,580.00			
11.6	Quantities and Cost Estimates	4	24	16	24	16	24						8	20	24												160	\$ 23,920.00			
11.7	Specifications	4	40	24		4							12	20	12												116	\$ 20,436.00			
11.8	Construction Phasing Plans		24				80																				104	\$ 14,280.00			
11.9	AGI32 Lighting Report		8	16			80																				104	\$ 14,744.00			
	<b>WE Total</b>	<b>24</b>	<b>492</b>	<b>520</b>	<b>404</b>	<b>628</b>	<b>930</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>260</b>	<b>356</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>30</b>	<b>100</b>	<b>0</b>	<b>3888</b>	<b>\$ 559,280.00</b>
<b>WE 12 - Wall Design</b>																															
12.1	Wall Design	2	12	8	24	8	24																					78	\$ 11,434.00		
	<b>WE Total</b>	<b>2</b>	<b>12</b>	<b>8</b>	<b>24</b>	<b>8</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>\$ 11,434.00</b>			
<b>WE 13 - WSDOT Review and Bid Documents</b>																															
13.1	WSDOT PS&E		24	16			16						4	12	24													96	\$ 14,476.00		
13.2	PIF Support and MEF		8	16			8	16					4	8														60	\$ 9,032.00		
13.3	Bid PS&E		16	24			4	24					2	4	8													82	\$ 12,120.00		
13.4	Bidding Assistance		16	16			4						2	8	4													50	\$ 8,404.00		
	<b>WE Total</b>	<b>0</b>	<b>64</b>	<b>72</b>	<b>0</b>	<b>16</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>32</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>288</b>	<b>\$ 44,032.00</b>			
<b>WE 14- Grant Support</b>																															
14.0	Grant Support													4	24	34	54											116	\$ 15,684.00		
	<b>WE Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>24</b>	<b>34</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</b>	<b>\$ 15,684.00</b>			
	<b>Total Labor Hours and Fee</b>	<b>212</b>	<b>922</b>	<b>820</b>	<b>738</b>	<b>772</b>	<b>1,216</b>	<b>52</b>	<b>142</b>	<b>145</b>	<b>160</b>	<b>191</b>	<b>146</b>	<b>387</b>	<b>549</b>	<b>110</b>	<b>156</b>	<b>114</b>	<b>32</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>48</b>	<b>30</b>	<b>164</b>	<b>22</b>	<b>7,142</b>	<b>\$ 1,088,469.00</b>			

WE	WE Description	Labor Hour Estimate																								Total Hours and Labor Cost Computations		
		Engineering Manager	Senior Engineer	Project Engineer I	Design Engineer II	Design Engineer I	Engineering Technician	Senior Project Manager Survey	Survey Crew II (W/Equip)	Survey Crew I (W/Equip)	Project Surveyor	Surveyor III	Urban Design Manager	Project Landscape Architect	Landscape Technician	Senior Transportation Planner	Transportation Planner	Environmental Manager	Senior Archaeologist	Senior Archaeologist	Senior Archaeologist	Senior Archaeologist	Construction Manager	CAD Manager	Senior CAD Technician			Senior Admin
		\$251.00	\$215.00	\$149.00	\$140.00	\$133.00	\$114.00	\$251.00	\$260.00	\$205.00	\$164.00	\$137.00	\$200.00	\$155.00	\$102.00	\$190.00	\$114.00	\$219.00	\$167.00	\$177.00	\$91.00	\$119.00	\$185.00	\$180.00	\$138.00	\$133.00	Hours	Totals
<b>Subconsultants</b>																												
																										Stepherson	\$	105,145.00
																										HWA GeoSciences Inc.	\$	41,802.00
																										RES	\$	8,551.20
																										TranTech	\$	29,533.00
																										Subtotal	\$	185,031.20
																										Administrative Charge (5%)		
																										<b>Total Subconsultant Expense</b>	<b>\$</b>	<b>185,031.20</b>
<b>Reimbursable Direct Non-Salary Costs</b>																												
																										Mileage at current IRS rate	\$	-
																										Transportation Counts (4 2-hour intersection counts @ \$140 and 1 3-day, 24-hour count @ \$450)	\$	1,010.00
																										Utility Locates	\$	16,000.00
																										Potholes (30@\$800/ea)	\$	24,000.00
																										<b>Total Reimbursable Expense</b>	<b>\$</b>	<b>41,010.00</b>
																										<b>Total Estimated Budget</b>	<b>\$</b>	<b>1,314,510.20</b>
																										<b>Management Reserve</b>	<b>\$</b>	<b>100,000.00</b>
																										<b>Total Budget with Management Reserve</b>	<b>\$</b>	<b>1,414,510.20</b>

DRAFT

# Agenda Bill 6126 – 34<sup>th</sup> Ave S Phase 2

## Award of Professional Design Services Contract

April 20, 2023



# PRESENTATION OVERVIEW

## PURPOSE OF PRESENTATION

Staff to provide overview of the 34<sup>th</sup> Ave S Phase 2 project and seek a Committee recommendation regarding a motion authorizing the following:

- Award of professional services contract with KPG Psomas Inc.

## WHY IS THIS PROJECT IMPORTANT?

1. The project will improve mobility and safety for all modes of travel along 34<sup>th</sup> Avenue South between S 166<sup>th</sup> Street and S 176<sup>th</sup> Street.
2. The project will provide a safe walking and biking route to school, connect to previous City projects and to the SeaTac City Center.
3. Resident concerns regarding stormwater ponding and intersection safety will be addressed.
4. The project is targeting to start construction in 2<sup>nd</sup> Quarter of 2025.
5. The Design Phase of this project has received \$741,000 in Federal Funds

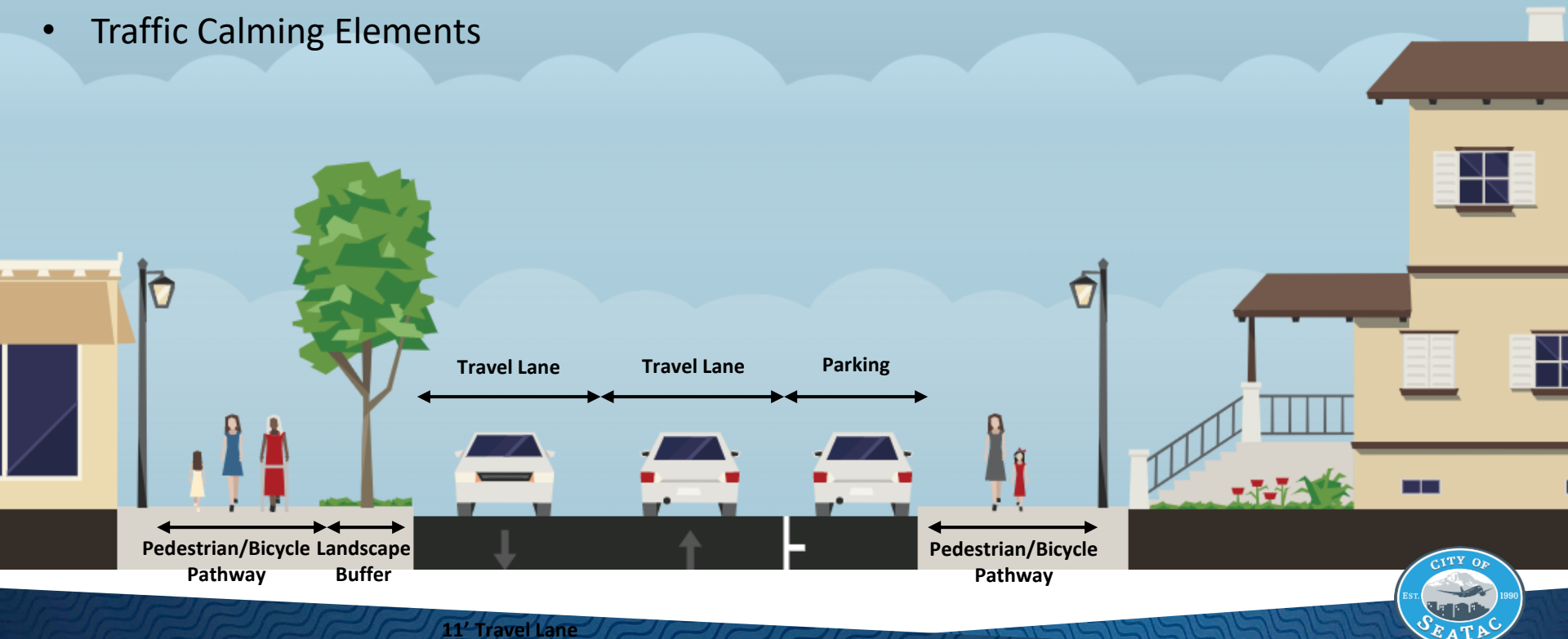




# PROJECT ELEMENTS

## Project Elements

- Pedestrian and Bicycle Facilities w/ Landscape buffer
- Pavement Reconstruction
- On-Street Parking
- Traffic Calming Elements
- Improved Stormwater Facilities
- Undergrounding Overhead Utilities
- Pedestrian Lighting



# AGENDA BILL OVERVIEW

## Design Consultant Selection

- KPG Psomas, Inc. was selected to provide professional design services
- Professional services to include:
  - Survey and Base mapping
  - Stormwater Analysis and Reporting
  - Transportation Analysis and Reporting
  - Utility Coordination
  - Environmental Permitting
  - Public Outreach
  - Right of way Acquisition Estimating
  - Preparing Plans, Specifications, and Construction Estimates
- ROW acquisition and related services are not included in the current Scope of Work. A supplement to the contract will be proposed after 10% design, when the level of effort is more accurately known.



# FUNDING OVERVIEW

## Budget at a Glance

### Funding

Transportation CIP (307 Fund)  
Year 2023

\$996,000

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**Total Funding Available**

**\$996,000**

### Expenditures

KPG Psomas, Inc. Professional Design Services

\$1,382,140

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**Total Expenditures**

**\$1,382,140**

The City of SeaTac was awarded \$741,000 in Federal Funds for the design of this project.

To fully fund the design phase, additional funds will be requested at the mid-biennium update for 2024.



# POTENTIAL COMMITTEE ACTION

## COMMITTEE ACTION REQUESTED

- Forward Agenda Bill 6126 to Council for approval at the May 9, 2023 RCM to authorize the City Manager to execute a Consultant Contract with KPG Psomas.

## STAFF RECOMMENDATION

- Forward Agenda Bill 6126 to Council for approval.

