

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Authorize the City Manager to Execute a Professional Services Contract with Blueline, Inc. in the Amount of \$237,250 for Design of the N/NE155 th St Overlay Project
DEPARTMENT:	Public Works
PRESENTED BY:	Tricia Juhnke, City Engineer
ACTION:	<input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Discussion <input type="checkbox"/> Public Hearing

PROBLEM/ISSUE STATEMENT:

The asphalt pavement in the travel lanes of N/NE 155th St between Midvale Ave N and 15th Ave NE is in poor condition and needs structural repairs and an asphalt overlay within the next few years to avoid completely reconstructing the roadway at a much higher cost. Pavement conditions vary along the corridor, with the roadway segment between Midvale Ave N and 1st Ave NE in substantially worse condition than the segment between 1st Ave NE and 15th Ave NE. Staff began preparing for repairs and an overlay by rehabilitating the sidewalks along the corridor in 2018, and by getting basic survey work and a full geotechnical analysis in 2020. However, required reconstruction of the curb ramps on the corridor could not be included in the Annual Road Surface Maintenance (ARSM) budget at that time.

Given these needs, the City is initiating design of pavement structure repairs for the entire corridor, curb ramp reconstruction, and an asphalt overlay for N/NE 155th St between Midvale Ave N and 1st Ave NE. To advertise for bids in January 2022, the City needs to engage a design consultant immediately. Due to the timing constraints, staff requested and received a waiver from the Request for Qualifications process and initiated Administrative Selection of a consultant firm from among five qualified firms that have successfully provided similar services to the City in the recent past.

Blueline, Inc. was selected based on the best proposed combination of project manager and schedule. Scope and fee negotiations have been completed, and the proposed scope of work and fee are attached as Attachment A.

RESOURCE/FINANCIAL IMPACT:

This project is fully funded by the City's Annual Road Surface Maintenance (ARSM) program. The following outlines the N/NE 155th St Overlay Project budget breakdown:

Project Expenditures

Staff and other Direct Expenses	\$ 22,000
Geotechnical Study	\$ 41,000
Preliminary Survey (KPFF)	\$ 9,000
Design (<i>This Contract</i>)	\$ 237,250
Right-of-Way Acquisition	\$ 48,000
Construction	\$1,570,000
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TOTAL	\$1,927,250

Project Revenue

Vehicle License Fees	\$1,927,250
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TOTAL	\$1,927,250

RECOMMENDATION

Staff recommends that the City Council authorize the City Manager to execute a design contract with Blueline, in the amount of \$237,250 for the N/NE155th St Overlay Project.

Approved By: City Manager **DT** City Attorney **MK**

BACKGROUND

The asphalt pavement in the travel lanes of N/NE 155th St between Midvale Ave N and 15th Ave NE is in poor condition and needs structural repairs and an asphalt overlay within the next two to three years to avoid completely reconstructing the roadway. Pavement conditions vary along the corridor, with the segment between Midvale Ave N and 1st Ave NE in substantially worse condition than the segment between 1st Ave NE and 15th Ave NE.

Staff's analysis of the needed paving work and the Annual Road Surface Maintenance (ARSM) program budget indicates that the City should construct the pavement structural repairs over the full length of the street and construct the overlay between Midvale Ave N and 1st Ave NE in 2022. The project will also include reconstruction of over 30 curb ramps within the project area. Staff will add an overlay of the remaining segment of NE 155th (from the east limit of ST's overlay to 15th Ave NE) into the ARSM budget for a subsequent year.

DISCUSSION

This project involves design of pavement structure repairs and curb ramp reconstruction on N/NE 155th St between Midvale Ave N and 15th Ave NE, and an asphalt overlay for N/NE 155th St between Midvale Ave N and 1st Ave NE. To advertise for bids in January 2022, the City needs to engage a design consultant immediately. Staff requested and received a waiver from the Request for Qualifications process and initiated Administrative Selection of a consultant firm from among five qualified firms that have successfully provided similar services to the City in the recent past. Blueline Inc. was selected as the best qualified firm to provide these services.

Engaging Blueline, Inc. to complete the overall design (which includes curb ramps), pavement structure repairs, and the first overlay (from Midvale Ave N to 1st Ave NE) and then constructing the project in 2022 sets up the corridor for full restoration in 2024 or a subsequent year.

COUNCIL GOAL(S) ADDRESSED

This project addresses Council Goal #2: Continue to deliver highly valued public services through management of the City's infrastructure and stewardship of the natural environment. This project will address this goal by extending the lifespan of the roadway pavement and structure.

RESOURCE/FINANCIAL IMPACT

This project is fully funded by the City's Annual Road Surface Maintenance (ARSM) program. Below is a breakdown of the budget for the N/NE 155th St Overlay Project:

Project Expenditures

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RECOMMENDATION

Staff recommends that the City Council authorize the City Manager to execute a design contract with Blueline, in the amount of \$237,250 for the N/NE155th St Overlay Project.

ATTACHMENTS

Attachment A: N 155th St Overlay Project Design Consulting Contract Scope of Work
Attachment B: Vicinity Map

Project Name: N 155th St Overlay Job #: 21-262 Effective Date: August 3, 2021

Project Description

The Blueline Group, LLC (“Blueline”) will provide engineering services including design drawings, specifications, and estimates for the City of Shoreline’s N 155th St Overlay Project (“Project”) generally consisting of pavement improvements in the following areas of the City, as determined by City staff:

- Along N 155th St from Midvale Ave N to 1st Ave NE:
 - 3-inch grind and overlay of general-purpose traffic lanes
 - 8-inch grind out repairs within the overlay
 - Replacement of up to 36 ADA ramps
 - Associated pavement striping as needed
- Along N 155th St from 1st Ave NE to 15th Ave NE:
 - 3-inch or 8-inch grind out repairs
- Along N 155th St from 1st Ave NE to Shoreline Fire Department Station 65:
 - Half street 3-inch grind and overlay if Sound Transit does not perform

Task Summary

Task 001	Project Management
Task 002	Survey & Base Mapping
Task 003	60% Design
Task 004	90% Design
Task 005	Final Design
Task 006	Permits & Coordination
Task 007	Sound Transit Overlay Design
Task 008	Drainage Report
Task 009	Easement Coordination (Blueline)
Task 010	Easement Generation (Axis)
Task 011	Bidding & Award Services
Task 012	Unassigned Services Reserve

Project Schedule

Our Team shall begin work immediately upon receipt of Notice to Proceed and proceed according to the attached Project Schedule. This schedule reflects the City’s desire to complete construction in 2022. Key dates include:

Notice to Proceed	August 16, 2021
Survey & Geotechnical Explorations.....	September 17, 2021
60% Design Submittal (3 week City review)	October 8, 2021
90% Design Submittal (3 week City review)	November 29, 2021
Final Design Submittal	January 14, 2022
Bidding & Award	Early February 2022
Construction Begins	Spring 2022



Scope of Work

Blueline’s scope of work for the project is outlined on the following pages.

Task 001 Project Management

Fee: Not to Exceed (\$16,330)

This task is for general coordination and meetings on the project, including coordination with the City, internal plan review/discussion meetings, subconsultant coordination, in-house quality assurance, and bi-weekly meetings with the City to discuss project status. Blueline will prepare monthly invoices for work performed during the previous month. Included with the invoices will be pertinent backup materials and progress reports of the project to date.

Deliverables: *Monthly Invoices, Progress Reports.*

Task 002 Survey & Base Mapping

Fee: Fixed Fee (\$38,530)

Axis Survey and Mapping (Axis) will prepare base mapping for the overlay areas and ADA Improvements along N 155th St from Midvale Ave N east to the Interstate 5 overpass. AutoCAD drawings will be prepared at a scale of 1”=20’. Services will include the following:

- Incorporate previous control network completed by others.
- Control survey in NAD 83/91 Horizontal Datum, with all elevations derived from and checked to NAVD 88 Vertical Datum.
- Delineate parcel lines within above-described area as available from recorded plats and public records further compared to King County Parcel GIS lines.
- Ground elevations within mapping limits on an approximate 50’ grid plus elevations along obvious topographic breaks.
- Show and dimension located topographic features and contours at 2’ intervals.
- Location, elevation, and road clearance of the Interstate 5 overpass located on N 155th Street.
- Location and elevation of the following infrastructure improvements:
 - Asphalt, curbing, sidewalks and other surface improvements at intersections.
 - Asphalt and curbing between intersections.
 - Catch basins, culverts, sewer manholes, fire hydrants and other utilities which are observable from surface exploration.
 - Detailed mapping of intersections and existing ADA improvements for all intersections along N 155th Street.



- Set additional elevation benchmarks at each end of project area and every 500-700' along the route.
- Depict hard and soft surfaces on individual layers per accepted APWA standards.
- Show known utilities as provided by City of Shoreline and GIS, research of available utility as-built records and as located by utility locators. Cost for private utility locators to mark utilities at the intersections (\$9,300) included herein.

Deliverables: *AutoCAD 2016 drawing file with dtm files.*

ASSUMPTIONS & EXCLUSIONS

The scope and fee for this task includes the following assumptions and exclusions:

- The City will provide all available GIS data for utilities and property information.
- The City will provide all necessary right of entry into private property and notice to landowners along the route of mapping activity. The City will provide a copy of the notice to be presented to landowners by Axis crews.

Task 003 60% Design

Fee: Not to Exceed (\$22,540)

Based on the base maps prepared by Axis under Task 002, Blueline will complete the 60% Design stage for the project. The services under this task will include:

- Initial site visit.
- Kickoff meeting with City staff.
- Incorporation of the City's previous design.
- Preparing 60% Design Plan Sheets for the proposed improvements including:
 - Sheets at 22"x34" with roughly an 18"x28" drawing area.
 - Drawing scale at 1"=20' horizontal.
 - ADA curb ramp layouts in plan view only.
- Preparing 60% Special Provisions outline with placeholders for all bid items.
- Preparing a 60% Engineer's Estimate including quantities and a large contingency.
- Preparing a design memo discussing design assumptions, questions, and recommendations.
- Up to 1 additional site visit to verify quantities and field conditions.

Deliverables: *60% Plans (PDF).*
 60% Special Provisions (PDF).
 60% Engineer's Estimate (PDF).
 Design memo accompanying the submittal that outlines assumptions, questions,
 and recommendations (PDF).



Task 004 90% Design

Fee: Not to Exceed (\$52,120)

Based on City review comments from the 60% Design stage, Blueline will complete the 90% Design stage for the project. The services under this task will include:

- Review meeting and project walk-through with the City’s Engineering and Operations staff after receiving 60% Design submittal comments.
- Incorporating the City’s 60% comments into the contract documents.
- Preparing 90% Design Plan Sheets for the proposed improvements including grading and staking callouts for up to 36 ADA curb ramps.
- Preparing 90% Special Provisions including Measurement and Payment in WSDOT format, using City-provided special provisions when available.
- Preparing a 90% Engineer’s Estimate including quantities and a small contingency.
- Preparing a design memo discussing design assumptions, questions, and recommendations.
- Internal constructability review and QA/QC.

Deliverables: *90% Plans (PDF).*
 90% Special Provisions (PDF).
 90% Engineer’s Estimate (PDF).
 Design memo accompanying the submittal that outlines assumptions, questions, and recommendations (PDF).

Task 005 Final Design

Fee: Not to Exceed (\$35,190)

Based on City review comments from the 90% Design stage, Blueline will proceed to producing the Final Design (Bid Documents). The services under this task will include:

- Review meeting with City staff after receiving 90% Design submittal comments.
- Incorporating the City’s 90% comments into the contract documents.
- Final Plans, Special Provisions, and Engineer’s Estimate developed to the bid-ready stage.
- Internal constructability review.
- Preparing MEF documentation for non-compliant ramps.

Deliverables: *Final Design Plans (PDF).*
 Final Design Special Provisions (PDF and word files).
 Final Engineer’s Estimate (PDF).
 Design memo accompanying the submittal that outlines assumptions, questions, and recommendations (PDF).
 MEF Documentation (PDF).



Task 006 Permits & Coordination

Fee: Not to Exceed (\$7,130)

This task will include preparation and submittal of applications for known necessary permits and approvals pertaining to this project as well as coordination with impacted agencies. The services under this task will include:

- Preparing a draft SEPA for the City to review and submit.
- Coordinating with WSDOT and Sound Transit.

Deliverables: Draft SEPA submitted with 60% Design (PDF).

Task 007 Sound Transit Overlay Design

Fee: Not to Exceed (\$8,710)

Blueline will include design of a half street overlay from 1st Ave NE to Shoreline Fire Department Station 65. The services under this task will include:

- Preparing 60%, 90% and Final Design Plan Sheets for the proposed improvements.
- Preparing a 60%, 90% and Final Design Engineer's Estimate including quantities.
- Preparing 60%, 90% and Final Design Special Provisions including Measurement and Payment in WSDOT format.

Deliverables: Include design in 60%, 90% and Final Design submittals. Bid items will be included in separate schedule.

ASSUMPTIONS & EXCLUSIONS

The scope and fee for this task includes the following assumptions and exclusions:

- Design will include combining survey with aerial GIS and no additional survey will be performed for this portion of the project.

Task 008 Drainage Report

Fee: Not to Exceed (\$4,070)

Blueline will prepare a Stormwater Technical Memorandum per the 2019 Department of Ecology Stormwater Management Manual for Western Washington as supplemented by the 2021 City of Shoreline Engineering Development Manual demonstrating compliance with the following minimum requirements:

- Minimum Requirement #1: Preparation of Stormwater Site Plans
- Minimum Requirement #3: Source Control of Pollution
- Minimum Requirement #4: Preservation of Natural Drainage Systems and Outfalls



- Minimum Requirement #5: On-site Stormwater Management

Deliverables: *Draft Stormwater Technical Memorandum with 60% Design (PDF).*
 Final Stormwater Technical Memorandum with 90% Design (PDF.)

ASSUMPTIONS & EXCLUSIONS

The scope and fee for this task includes the following assumptions and exclusions:

- Construction SWPPP shall be prepared by the Contractor and NOT included in the Stormwater Technical Memorandum.

Task 009 Easement Coordination (Blueline)

Fee: Not to Exceed (\$12,410)

Blueline will assist the City with easement determination, coordination, and acquisition. It is assumed for budgeting purposes that the following will be required. The services under this task will include:

- Working with Axis and the City to determine necessary easement locations for up to 4 easements.
- Assisting the City with easement negotiations, City will initiate contact.
- On-going follow-up, support, and assistance until necessary easements have been secured.
- Review and respond to edits from City Attorney to Easement Documents.

Task 010 Easement Generation (Axis)

Fee: Time and Expense (Estimated \$14,950)

Under this task Axis is anticipated to include the following:

- Ordering plat certificates and researching additional parcels' legal descriptions for easement efficacy.
- Consulting with Blueline and the City for permanent and temporary construction easements determination and need.
- Generating up to 15 legal descriptions and exhibits for inclusion in new easements.
- Reviewing and responding to edits from Blueline and the City.

Task 011 Bidding & Award Services

Fee: Not to Exceed (\$2,770)

Blueline will provide consulting services during the bidding process, including:

- Addressing questions from prospective bidders, if necessary.



- Generally assisting the City during the bidding process as needed.
- Preparing and issuing addenda to clarify the construction documents, if necessary.

Deliverables: *Addenda if necessary.*

Task 012 Unassigned Services Reserve

Fee: Not to Exceed (\$21,500)

This task provides for unanticipated services deemed to be necessary during the course of the Project that are not specifically identified in the scope of work tasks defined above. Any additional work or funds under this item are not to be used unless explicitly authorized by the City.

Deliverables: *Not yet identified.*



General Assumptions and Notes

- Scope and fees outlined above are based on the Project Understanding included with this proposal as well as the following information (any changes to these documents may result in changes to the fees):
 - Applicable permit applications, checklists and standards current as of the effective date of this Agreement.
 - Correspondence between the City of Shoreline and The Blueline Group prior to the effective date of this Agreement.
- Blueline does not anticipate that additional Structural, Environmental, Geotechnical, or Transportation Engineering services will be necessary for this project, and they are not included in this proposal.
- It is anticipated that one tree will be removed for the project and that the City Arborist will provide recommendations for removal and replacement.
- The following items are not anticipated to be necessary and are not included in this proposal:
 - Sanitary sewer main replacement/improvements.
 - Water main replacement/improvements.
 - Gas main relocation coordination.
 - Power relocation coordination (City to coordinate).
 - Other dry utility relocation coordination.
 - Wall or rockery design.
 - Flow control design.
 - Capacity analysis of existing stormwater conveyance system.
 - Environmental documentation/permits beyond what is included in the scope above.
 - Construction Administration, Staking, or Inspection Services (a separate fee proposal can be provided upon request).
- The Client shall provide Blueline with a soils/geotechnical engineering report including pavement design report, and any critical areas reports.
- The City will prepare all front-end contract documents. Blueline will prepare special provisions for inclusion in the specification package.
- Any design or reports required for additional permits intended to expedite the beginning of construction, beyond those required for the full construction of the project are excluded. Should this be requested by the Client an Additional Services Authorization (ASA) will be provided.
- Blueline will not pay any Agency fees on behalf of the Client. This includes any fees associated with permits.
- Obtaining any offsite easements or right-of-entry including temporary construction easements outside of permanent easement acquisition (if required) will be the responsibility of the Client.



- Traffic Control Plans will be submitted by the Contractor and are therefore, not included within Blueline’s scope of work.
- The City will coordinate with franchise utility companies for any required pole relocations.
- This scope of work anticipates a single construction package. If the project becomes split into separate packages, an additional fee estimate can be provided for those packages after the first complete construction documents.
- The fees stated above do not include reimbursable expenses such as large format copies (larger than legal size), mileage, and plots. These will appear under a separate task called **EXPENSES**.
Estimate: \$1,000.
- Time and expense items are based on Blueline’s current hourly rates.
- These fees stated above are valid if accepted within 30 days of the date of the proposal.
- Blueline reserves the right to adjust fees per current market conditions for tasks not started within a year of contract execution.
- Project stops/starts and significant changes to the Project Schedule may result in changes to the fees provided above and a separate fee proposal will be provided.
- Client revisions requested after the work is completed will be billed at an hourly rate under a new task called Client Requested Revisions. A fee estimate can be provided to the Client prior to proceeding with the revisions.
- Blueline reserves the right to move funds between approved Tasks 001 – 011 as necessary based on approved scope of work provided the overall budget of Tasks 001 – 011 is not exceeded. City Project Manager will be notified if funds are shifted.
- If the Client requests Blueline's assistance in complying with any public records request, including without limitation providing copies of documents and communications, Client will pay Blueline's hourly fees and costs incurred in providing such assistance at then-current rates. Such fees and costs will be billed as a separate task and will be in addition to the maximum or total fees and costs stated in the agreement to which this scope of work as attached.





N 155th St Overlay

Attachment A

Job Number: 21-262
Date: 8/3/2021

Prepared By: Kai Pope, EIT
Checked By: Rob Dahn, PE

Task #	Base Tasks	Project Manager	Engineer	Engineering Designer	Total Hours	Total Fee
		\$205/hr Hours	\$165/hr Hours	\$152/hr Hours		
001	Project Management	70	12	0	82	\$16,330
002	Survey & Base Mapping					\$38,530
003	60% Design	11	64	64	139	\$22,540
004	90% Design	23	92	212	327	\$52,120
005	Final Design	18	108	90	216	\$35,190
006	Permits & Coordination	14	24	2	40	\$7,130
007	Sound Transit Overlay Design	6	14	34	54	\$8,710
008	Drainage Report	4	16	4	24	\$4,070
009	Easement Coordination (Blueline)	14	44	15	73	\$12,410
010	Easement Generation (Axis)					\$14,950
011	Bidding & Award Services	4	10	2	16	\$2,770
012	Unassigned Services Reserve					\$21,500
	Expenses					\$1,000
	Total Hours	164	384	423	971	
	Blueline Personnel	\$33,620	\$63,360	\$64,296		\$237,250

001 Project Management		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	Project Meetings	20	12	-	32	
2	Monthly Invoices / Progress Reports	12	-	-	12	
3	QA / QC	18	-	-	18	
4	General Project Coordination	20	-	-	20	
Total Hours		70	12	0	82	
Total Fee		\$14,350	\$1,980	\$0		\$16,330

002 Survey & Base Mapping		Total Cost	Blueline Markup	Total
Item #	Description	(Per Axis)	15%	
1	Survey & Base Mapping	\$33,500	\$5,025	
Total Fee		\$33,500	\$5,025	\$38,530

003 60% Design		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	Initial Site Visit, Photos, Notes	4	8	-	12	
2	Kickoff Meeting with City	2	4	-	6	
3	Incorporate existing design and survey	0	4	12		
4	60% Design Plans	2	20	48	70	
5	60% Design Special Provisions	1	8	-	9	
6	60% Design Engineer's Estimate	1	12	4	17	
7	60% Design Memo	1	4	-	5	
8	Additional Site Visits	-	4	-	4	
Total Hours		11	64	64	139	
Total Fee		\$2,255	\$10,560	\$9,728		\$22,540

004 90% Design		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	60% Review Meeting & Project Walk Through with City	6	8	-	14	
2	ADA Ramp Grading (up to 36 ramps)	4	40	170	214	
3	90% Design Plans	2	12	40	54	
4	90% Design Special Provisions	2	16	-	18	
5	90% Engineer's Estimate	2	12	2	16	
6	QA/QC	6	-	-	6	
7	90% Design Memo	1	4	-	5	
Total Hours		23	92	212	327	
Total Fee		\$4,715	\$15,180	\$32,224		\$52,120

005 Final Design		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	90% Review Meeting with City	2	4	-	6	
2	ADA Ramp Adjustments (up to 36 ramps)	6	16	60	82	
3	Final Design Plans	2	20	30	52	
4	Final Design Special Provisions	2	24	-	26	
5	MEF Documentation	4	40	-	44	
6	Final Design Engineer's Estimate	2	4	-	6	
Total Hours		18	108	90	216	
Total Fee		\$3,690	\$17,820	\$13,680		\$35,190

006 Permits & Coordination		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	SEPA Preparation	2	8	2	12	
2	WSDOT Coordination	6	8	-	14	
3	Sound Transit Coordination	6	8	-	14	
Total Hours		14	24	2	40	
Total Fee		\$2,870	\$3,960	\$304		\$7,130

007 Sound Transit Overlay Design		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	60% Half Street Overlay Design	2	6	16	24	
2	90% Half Street Overlay Design	2	4	12	18	
5	Final Half Street Overlay Design	2	4	6	12	
Total Hours		6	14	34	54	
Total Fee		\$1,230	\$2,310	\$5,168		\$8,710

008 Drainage Report		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	Prepare Stormwater Technical Memorandum	2	10	2	14	
2	Revisions Per City Review Comments	2	6	2	10	
Total Hours		4	16	4	24	
Total Fee		\$820	\$2,640	\$608		\$4,070

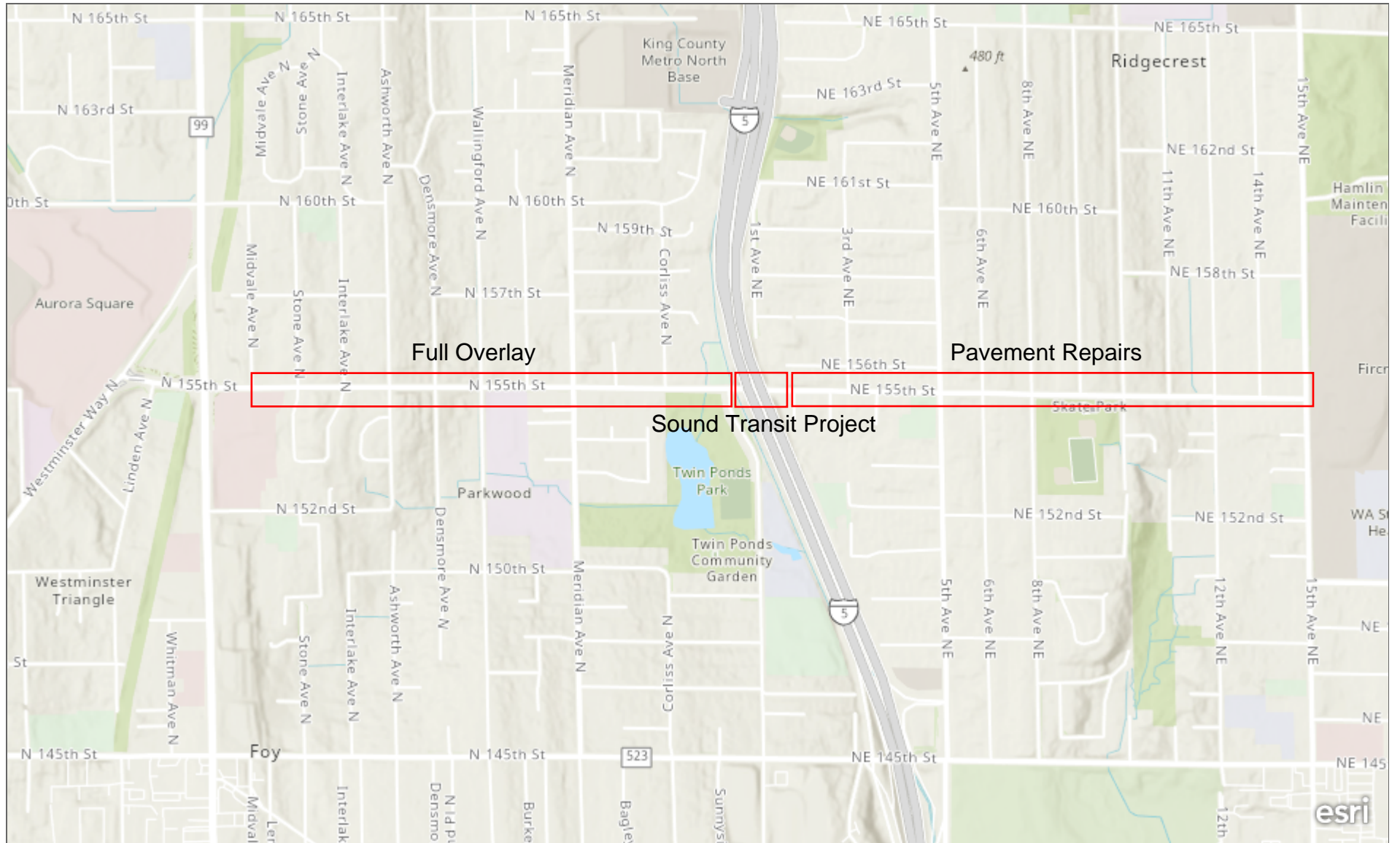
009 Easement Coordination (Blueline)		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	Easement Determination and Coordination	4	8	15		27
2	Property Owner Coordination	6	16	-		22
3	Follow-up, Support, and Assistance	4	20	-		24
Total Hours		14	44	15		73
Total Fee		\$2,870	\$7,260	\$2,280		\$12,410

010 Easement Generation (Axis)		Total Cost	Blueline Markup	Total
Item #	Description	(Per Axis)	15%	
1	Legal Descriptions & Exhibits	\$13,000	\$1,950	
Total Fee		\$13,000	\$1,950	\$14,950

011 Bidding & Award Services		Project Manager	Engineer	Engineering Designer	Total Hours	
Item #	Description	\$205/hr	\$165/hr	\$152/hr		
		Hours	Hours	Hours		
1	Address Questions & General Assistance	2	6	-		8
2	Assist with Addenda as Necessary	2	4	2		8
Total Hours		4	10	2		16
Total Fee		\$820	\$1,650	\$304		\$2,770

012 Unassigned Services Reserve		Total Cost	Total
Item #	Description		
1	Unassigned Services Reserve	\$21,475	
Total Fee		\$21,475	\$21,500

N/NE 155th St Overlay Project



Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contributors, City of Shoreline, King County, WA State Parks GIS, Esri Canada, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA