FIRST AMENDMENT
TO
SERVICE PROVIDER AGREEMENT
FOR
TUMWATER BOULEVARD NORTHBOUND I-5 ON/OFF RAMP INTERSECTION

This First Amendment ("Amendment") is dated effective this _____day of_____, 20_____, and is entered into by and between the CITY OF TUMWATER, a Washington municipal corporation ("CITY"), and HDR ENGINEERING, INC., a Nebraska corporation ("SERVICE PROVIDER").

A. The CITY and the SERVICE PROVIDER entered into a Service Provider Agreement dated effective July 30, 2024, whereby the SERVICE PROVIDER agreed to provide Civil Engineering Services ("Agreement").

B. Section 14 of the Agreement provided that the Agreement may only be amended by written agreement signed by the parties.

C. The CITY and the SERVICE PROVIDER desire to amend the Agreement by increasing the scope of services as described in Section 1 of this Amendment for an increase in compensation as described in Section 2 of this Amendment.

NOW, THEREFORE, the parties agree to the following terms and conditions:

1. SCOPE OF SERVICES.

Section 1 of the Agreement is amended to provide for additional services as more particularly described and detailed in Exhibit "A-1," attached hereto and incorporated herein.

2. COMPENSATION.

In consideration of the SERVICE PROVIDER continuing to provide the services described in Section 1 of the Agreement and providing the additional services described in Exhibit "A-1" during the term of the Agreement. Section 4.C. shall be amended to increase the compensation paid to the SERVICE PROVIDER by an additional amount not to exceed **One Hundred Thirteen Thousand One Hundred Eighty Three and 00/100 Dollars ($113,183.00)**. The total amount payable to the SERVICE PROVIDER pursuant to the original Agreement and this First Amendment shall be an amount not to exceed **Nine Hundred Twenty Nine Thousand Six Hundred Thirty Six and 00/100 Dollars ($929,636.00).**

3. FULL FORCE AND EFFECT.

All other terms and conditions of the Agreement not modified by this Amendment shall remain in full force and effect.

*** Signatures on Following Page ***

DATED the effective date set forth above.

CITY:
CITY OF TUMWATER
555 Israel Road SW
Tumwater, WA 98501

SERVICE PROVIDER:
HDR Engineering, INC.
905 Plum Street SE, Ste. 200
Olympia, WA 98501
UBI No. 601-021-437
Phone No.

Leatta Dahlhoff
Mayor

Signature (Notarized – see below)
Printed Name:
Title:

ATTEST:

Melody Valiant, City Clerk

APPROVED AS TO FORM:

Karen Kirkpatrick, City Attorney

STATE OF WASHINGTON

COUNTY OF THURSTON

I certify that I know or have satisfactory evidence that _____(name) is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged it as the _____(title) of _____(company) to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated:_____

Notary Public in and for the State of Washington,
My appointment expires:_____.

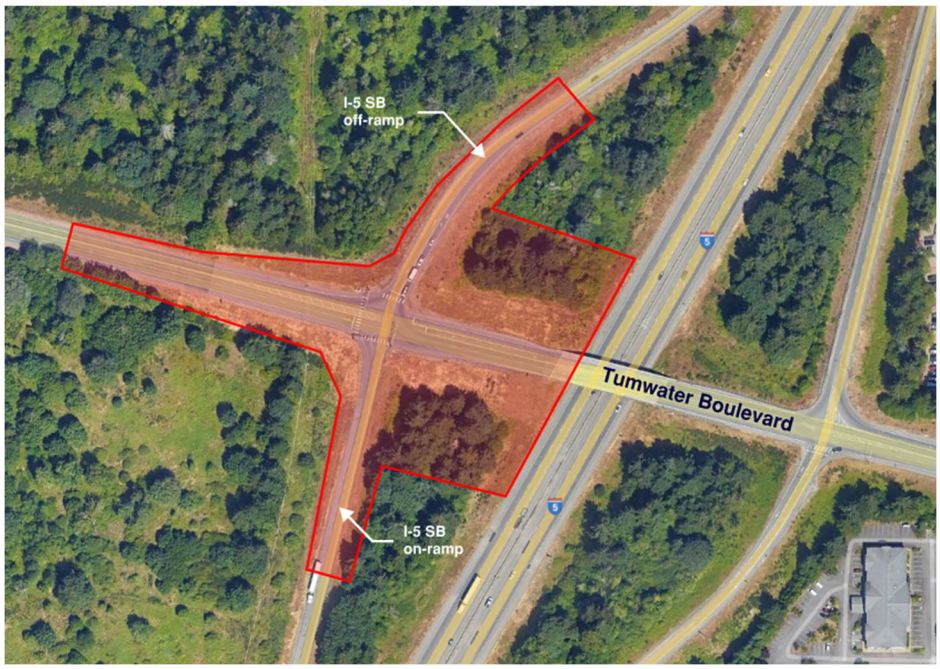
Exhibit A-1
Amendment 1 - Scope of Services

Tumwater Boulevard NB I-5 On/Off Ramp Intersection

Introduction

This amendment includes efforts to develop the preferred roundabout configuration for the Tumwater Boulevard and SB I-5 on/off ramp intersection to establish a preliminary Right-of-Way footprint.

During the term of this AGREEMENT, HDR Engineering, Inc. (CONSULTANT) shall perform professional services for the City of Tumwater (CITY) in association with the work.



Amendment Overview

This project includes reconstruction of the I-5 NB on/off ramp intersection to address capacity and safety issues at the intersection. Initial analysis efforts for the NB on/off ramp intersection included evaluation of the SB on/off ramp intersection. Results of the sensitivity analysis identified the need for improvements at the SB on/off ramp intersection by the year 2030. **Amendment 1** includes the preliminary design of the SB on/off ramp roundabout.

The work in this amendment includes development of the ultimate roundabout configuration, using 2050 traffic numbers, which will establish a preliminary Right-of-Way footprint for the improvements. The interim layout, planned for 2030, along with the required WSDOT coordination is not included in this scope.

It is anticipated that coordination with WSDOT for amending the access permit and collection of additional survey will take approximately six (6) weeks, and the remaining work included in this amendment will be completed within two (2) months of obtaining the project survey.

Table of Contents

TASK 3: TOPOGRAPHIC SURVEY and RIGHT-OF-WAY MAPPING

CONSULTANT will retain Sitts & Hill (S&H) to provide topographic surveying and right of way (ROW) base mapping services for this amendment. City will provide as-built records for City-owned utilities if available. It is the CONSULTANT's responsibility to obtain existing utility records from private utilities and coordinate locate marking services prior to field survey.

Task 3.1 – Right-of-Way Base Map

S&H will provide the appropriate field and office work to establish the ROW base map for the project. Existing searched for and found monuments based on record of surveys and recorded plats Will be documented on the right-of-way base map.

S&H will use available WSDOT ROW maps and monumentation to develop the ROW base map. WSDOT ROW mapping will utilize the WSDOT project coordinate system which is different from the Washington State Plane Coordinate System which will be used for the design components of the project. S&H will provide a conversion file that will bring the ROW data into the State Plan Coordinate System for use on the project.

Task 3.2 – Topographic Survey Base Map

S&H will conduct a topographic survey for the project as shown in Figure 1. The topographic survey will be conducted within the limits shown. HDR will visit the site to review the completed topographic survey.

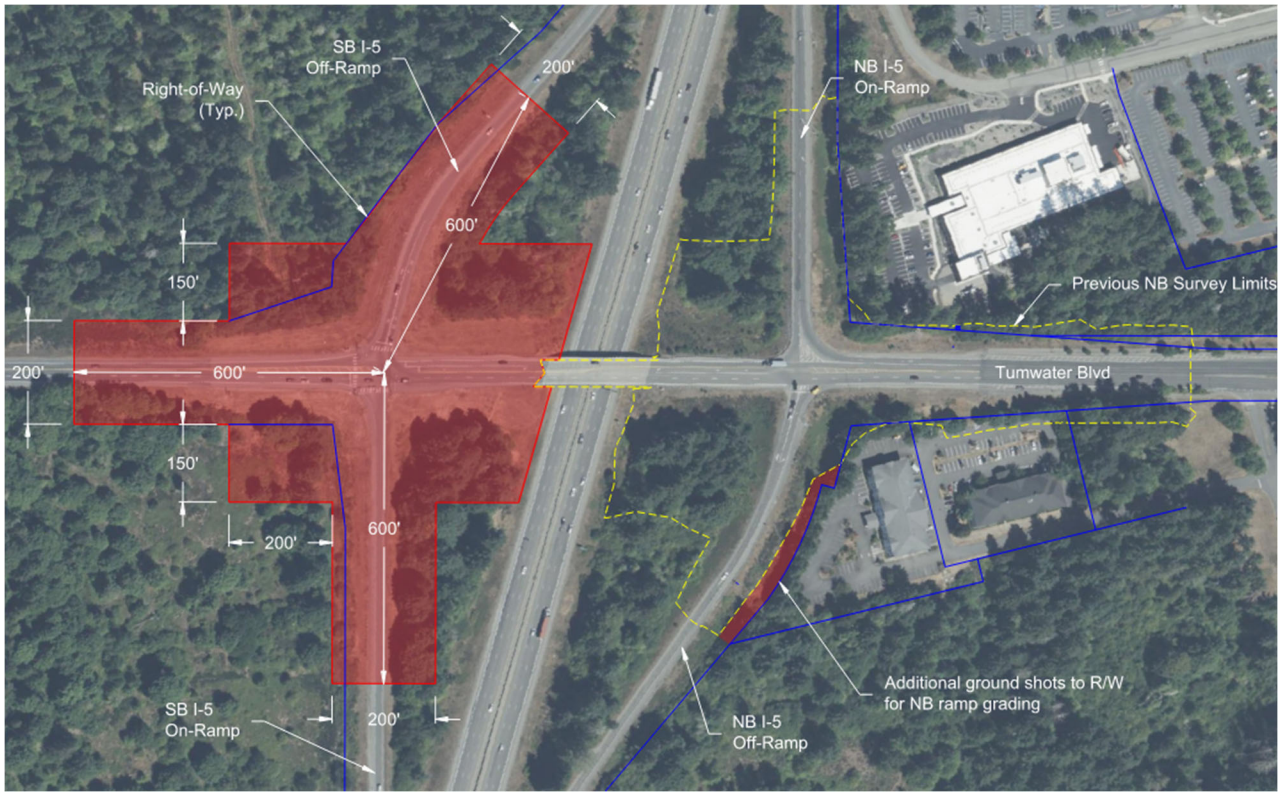


Figure 1 – Survey Limits

Topographic survey features to be mapped:

- Roadways, driveways, sidewalks, and other surface features with material or surface types.
- Centerlines, channelization, and angles of intersection of the side streets with main roadway centerline.
- One-foot contours with tops, toes and breaks.
- Buildings and other structures within the survey limits with finished floor elevations.
- Other visible improvements such as curbs, mailboxes, light poles, etc.
- Trees (2” caliper and larger), shrubs, special landscaping, and irrigation features.
- Location of other landscaping materials like grass lawns, rock structures, sculptures, etc.
- Type, locations and elevations of sprinkler heads, sprinkler control boxes, and other sprinkler devices that may become design and ROW negotiation considerations.
- Fences and retaining walls.
- Toe and top of slopes within drainage features.
- Locate and confirm existing utilities and appurtenances with types, sizes, and materials, as possible for public and private owned utilities.
- Other features not explicitly stated as required for design in accordance with standard survey practices.

Water Mains and Appurtenances:

- Size and material type of water main from CITY records, locate service markings and observations.
- Size and type of manhole, meter and fire hydrant from CITY records, locate service markings and observations.
- Size and type of valve from CITY records, locate service markings and observations with operating nut elevation.

Stormwater Features:

- Storm drains and open channels.
- Size and material type of storm drains with flow direction from city records, locate service markings and observations.
- Size and type of appurtenances including inlet, catch basin, junction box etc. from CITY records and observations.
- Rim elevation and flowline elevations of lines entering and exiting drainage structure.
- Open channels and culverts with material and elevations if visible.
- Width and height of box culverts as well as the entry and exit elevations.
- Elevations, widths and locations of headwalls, retaining walls, aprons or other objects within the limits of the survey.

Sanitary Sewer and Appurtenances:

- Size and material type of sewer line with flow direction from CITY records, locate service markings and observations.
- Size and type of manhole (brick, concrete, fiberglass, drop manhole, etc.).
- Rim elevation and flowline elevations of lines entering and exiting manhole.
- Manhole access device, cleanout and other appurtenances.

Gas Mains:

- Size and type of appurtenances including meter, manhole, valve etc. from locate service markings, utility company records and observations.

Underground Telephone:

- Size and type appurtenances (manhole, telephone pole, guy wire, vault, etc.) from locate service marking, utility company records and observations.

Electric:

- Location, size and type appurtenances (manhole, vault, power pole, guy wire, overhead lines, etc.) from locate service marking, utility company records and observations.

Underground Fiber Optic:

- Location, size and type appurtenances (manhole, vault etc.) from locate service marking, utility company records and observations.

Field Sketch and Notes:

- Field sketches and notes depicting special field information will be furnished, if available.

Task 3 - Assumptions:

- Survey control will be established by S&H. Benchmarks (BMs) or Control Points (CPs) shall be established on each approach approximately 500 feet apart. A minimum of two BMs or CPs are to be provided for the project with the northing, easting, elevation, and description.
- The contract specifications will require the contractor to prepare and submit Department of Natural Resources (DNR) permits for destroyed or relocated monuments.
- S&H will submit a R/W permit to CITY for approval.
- S&H will obtain Title Reports for use in developing the ROW base map.
- Horizontal datum will be the Washington State Plane Coordinate System
- Vertical datum will be NGVD 29

Task 3 - Deliverables:

- Up to three (3) Title Reports
- Updated project Right-of-Way base map in AutoCAD format
- Updated project topographic survey map in AutoCAD format with 3d surface of the project areas

Task 3 – CITY Deliverables:

- Provide as-builts for CITY-owned utilities

TASK 5: WSDOT COORDINATION

The purpose of this task is to coordinate with WSDOT to amend the Right-of-Way access permit to allow the surveyor to perform the topographic survey for the proposed Tumwater Boulevard/SB I-5 ramps intersection improvements.

Task 5.1 – WSDOT General Use Permit

CONSULTANT will coordinate with WSDOT to amend the general use permit application that was approved for the NB ramp survey and geotechincal fieldwork.

Task 5 - Assumptions:

- The existing WSDOT General Use Permit can be amended to include the survey work for the SB ramp intersection project area.
- The traffic control plans required with WSDOT's general use permit amendment request will be limited to a scaled sketch over an aerial photo identifying proposed traffic control.
- WSDOT will grant approval for access within four weeks of submitting the amended general use permit.

Task 5 - Deliverables:

- WSDOT General Use Permit amendment form and exhibits

TASK 13: PRELIMINARY DESIGN

Task 13.1 – Roadway/Roundabout Design

Ultimate Roundabout Configuration - CONSULTANT will develop the ultimate roundabout configuration to match into the CITY's planned corridor roadway section. The design vehicle for the ultimate configuration roundabout will be a WB-67. The roundabout will be designed such that the geometry allows for a WB-50 vehicle to maneuver through the roundabout without tracking onto the truck apron.

Performance Checks - CONSULTANT will develop exhibits for the ultimate configuration showing the following roundabout design elements:

- Speed Curve Exhibits (identifying speeds for R1 through R5 curves)
- Sight Distance Exhibits (identifying stopping and intersection sight distance)
- Truck Turning Movement Exhibits for intersection and driveway access movements.

Roundabout performance check calculations and accompanying figures for the ultimate configuration will be prepared to document design speeds, vehicle turning templates, and sight triangles at the intersection. The roundabout performance checks will be submitted in PDF and AutoCAD format.

Horizontal alignments – Alignments for Tumwater Blvd will extend approximately 600 feet west of the intersection and the on/off ramp approaches will extend approximately 500 feet down each approach. Alignments will be developed for roadway centerlines, truck apron curb lines, and the curb line quadrant alignments for the roundabout. Project survey control points will be tied to the project horizontal alignments.

Vertical alignments – Existing and finished grade profiles will be developed for the centerline, truck apron, and curb line quadrant alignments.

Preliminary Grading - Establishing the curb line quadrant profiles will include development of an auxiliary 3D model that assumes a normal crown throughout the roundabout and does not represent final grading. Centerline superelevation calculations and cross slope grade transitions will be necessary to determine vertical elevations for each quadrant profile. Final curb line quadrant profiles will be developed using profiles cut from the auxiliary 3D model.

Task 13.6 – Quality Assurance/Quality Control Review

CONSULTANT shall perform a review of all deliverables submitted to the CITY as part of this Task. The reviews will follow the QA/QC plan established for this project.

Task 13 - Assumptions:

- Stormwater facilities will be located within WSDOT facilities and will not be sized as part of this amendment.

Task 13 - Deliverables:

- Tumwater Boulevard/SB I-5 On/Off Ramps Ultimate Roundabout Layout (pdf & AutoCAD)
- DRAFT Roundabout Performance Check Calculations and Figures (pdf & AutoCAD)

TASK 15: 30% PLANS AND ESTIMATE

The 30% design documentation will consist of a roll plot of the plan and profile views for the SB I-5 ramps intersection ultimate roundabout configuration and will identify a preliminary Right-of-Way footprint.

Task 15.1 – 30% Design Documentation

Roll Plots: CONSULTANT will develop roll plots showing the proposed ultimate roundabout configuration for the southbound I-5 ramps intersection.

Cost Estimate: CONSULTANT will develop quantity takeoffs for the ultimate roundabout configuration and unit costs for development of a preliminary Opinion of Probable Construction Cost (OPCC) Estimate.

Task 15.2 – Quality Assurance/Quality Control Review

CONSULTANT shall perform a review of all deliverables submitted to the CITY as part of Task 15. The reviews will follow the QA/QC plan established for this project.

Task 15 - Assumptions:

- One roll plot will be plotted over the topographic survey, and one will be plotted with an aerial photo background.
- Roll plot will include Plan/Profile information for roadway design and paving elements. No other disciplines will be included.
- Roll plot will show right-of-way acquisition shapes including permanent acquisition, permanent easements, and temporary easements.
- OPCC will be to a preliminary design level and include percentages for elements of work not yet designed or quantified.

Task 15 - Deliverables:

- 30% Roll Plots, pdf format, AutoCAD files
- 30% OPCC Estimate

FEE ESTIMATE

City of Tumwater: Tumwater Blvd RAB

Task #	Task Description	Total Labor	Total Expenses	Total Subconsultants	Total For Proposal
3	TOPOGRAPHIC SURVEY AND RIGHT-OF-WAY MAPPING	$2,153	$0	$75,545	**$77,698**
5	WSDOT COORDINATION	$2,563	$0	$0	**$2,563**
13	PRELIMINARY DESIGN	$23,779	$0	$0	**$23,779**
15	30% PLANS AND ESTIMATE	$9,143	$0	$0	**$9,143**
		$37,638	**$0**	**$75,545**	**$113,183**

Management Reserve Fund	$ -
	$ 113,183.00

LABOR ESTIMATE, HDR ENGINEERING STAFF

City of Tumwater: Tumwater Blvd RAB

		Shea, Bradley J	Martin, Erik Paul	French, Cameron C	Sousa, Logan Jon	Skinner, Mason J	Johnson, Ty M	Kuhns, David W Jr.	Bush, Jaelen Alexander	Total Labor Hours	Total Labor Dollars
	Project Role	Sr Project Manager	Business Group Manager	Transportation Engineer	EIT	Sr Civil Engineer	Sr Engineer	Sr Sanitary Engineer	EIT		
	Billing Rate	264.71	367.32	187.75	128.28	195.72	270.46	206.68	129.67		
3	**TOPOGRAPHIC SURVEY AND RIGHT-OF-WAY MAPPING**	**0**	**0**	**6**	**8**	**0**	**0**	**0**	**0**	**14**	**$ 2,152.74**
	3.1 Right-of-Way Base Map			2	4					6	**$ 888.62**
	3.2 Topographic Survey Base Map			4	4					8	**$ 1,264.12**
	3.3 Right-of-Way Plans and Legal Descriptions									0	**$ -**
5	**WSDOT COORDINATION**	**4**	**2**	**0**	**6**	**0**	**0**	**0**	**0**	**12**	**$ 2,563.16**
	5.1 WSDOT General Use Permit	4	2		6					12	**$ 2,563.16**
13	**PRELIMINARY DESIGN**	**4**	**0**	**36**	**108**	**8**	**2**	**0**	**0**	**158**	**$ 23,778.76**
	13.1 Roadway/Roundabout Design									0	**$ -**
	Ultimate Roundabout Configuration	4		24	8					36	**$ 6,591.08**
	Draft Performance Checks			2	32					34	**$ 4,480.46**
	Horizontal Alignments			2	12					14	**$ 1,914.86**
	Vertical Alignments			4	24					28	**$ 3,829.72**
	Preliminary Grading			4	32					36	**$ 4,855.96**
	13.6 Quality Assurance/Quality Control Review					8	2			10	**$ 2,106.68**
15	**30% PLANS AND ESTIMATE**	**0**	**0**	**10**	**36**	**6**	**2**	**2**	**4**	**60**	**$ 9,142.86**
	15.1 30% Design Documentation									0	**$ -**
	Roll Plots			2	8					10	**$ 1,401.74**
	Preliminary Cost Estimate and Quantity Takeoffs			8	28			2	4	42	**$ 6,025.88**
	15.2 Quality Assurance/Quality Control Review					6	2			8	**$ 1,715.24**
	Task Total Hours	**8.00**	**2.00**	**52.00**	**158.00**	**14.00**	**4.00**	**2.00**	**4.00**	**244.00**	
	Task Total Fee	**$ 2,117.68**	**$ 734.64**	**$ 9,763.00**	**$ 20,268.24**	**$ 2,740.08**	**$ 1,081.84**	**$ 413.36**	**$ 518.68**		**$ 37,637.52**

SUBCONSULTANTS

City of Tumwater: Tumwater Blvd RAB

	SUBCONSULTANTS	Sitts & Hill		Total Subconsultants	Sub Markup	Total Subconsultants + Markup
					0.00%	
3	TOPOGRAPHIC SURVEY AND RIGHT-OF-WAY MAPPING					
	Task Total	**$75,545.00**		$75,545.00	$0.00	**$75,545.00**
4	GEOTECHNICAL INVESTIGATION AND REPORTING					
	Task Total	**$0.00**		$0.00	$0.00	**$0.00**
11	REAL ESTATE SERVICES SUPPORT					
	Task Total	**$0.00**		$0.00	$0.00	**$0.00**
	Total Subconsultants	**$ 75,545.00**		**$ 75,545.00**	**$ -**	**$ 75,545.00**

SURVEYING SERVICES ESTIMATE
PREPARED FOR:

FILE: L:Bus Dev\HDR Tumwater BLVD.
DATE: 08/20/25
ESTIMATE BY Letzring

HDR INC.
905 Plum Street SE
Olympia, WA 98501

sitts&hill

PROJECT: Tumwater BLVD West of Interstate 5

DESCRIPTION	PRINCIPAL SURVEYOR $220	PROJECT SURVEYOR $205	ONE MAN CREW $175	SURVEY CREW (2) $220	SURVEY TECH. $115	MILEAGE $0.610	MATERIAL (PER UNIT) $0.50	TOTAL COSTS
Right-of-Way and Topographic Survey								
1. Survey Control				4				$880
2. Monument Research and Location	2	4		4				$2,140
***Includes RW Determination**								
3. Topography				203	16			$46,500
4. Map Prep/Drafting		6			88			$11,350
5. Title Report Exceptions		4			2			$1,050
6. QA/QC	4	2			4			$1,750
7. Conveyance area descriptions and exhibits		8		16	12			$6,540
*includes any corner staking.								
8. Record of Survey		4			8			$1,740
*may be combined with exist. NB Ramp project.								
9 Survey Recording								$430
Utility Locates								$2,415
Title Report								$750
NOTES:	6	28	0	227	130	0	0	
	$1,320	$5,740	$0	$49,940	$14,950	$0.00	$0.00	$75,545
	TOTAL MAN HOURS:		391					
						TOTAL ESTIMATED COSTS:		$75,545