

Supplemental Agreement Number _____		Organization and Address	
Original Agreement Number			
Project Number		Phone:	
Project Title		Execution Date	Completion Date
Description of Work		New Maximum Amount Payable \$	

The Local Agency of _____
 desires to supplement the agreement entered into with _____
 and executed on _____ and identified as Agreement No. _____

All provisions in the basic agreement remain in effect except as expressly modified by this supplement and previous supplements executed on October 20, 2015; September 30, 2016; January 23, 2018, and December 20, 2019.

The changes to the agreement are described as follows: **I**

Section 1, SCOPE OF WORK, is hereby changed to read:

II

Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the number of calendar days for completion of the work to read:

III

Section V, PAYMENT, shall be amended as follows:

If you concur with this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

By: _____

By: _____

 Consultant Signature

 Approving Authority Signature

 Date

**City of Redmond
Evans Creek Relocation
Final Design, Permitting and Real Estate Services**

Project 20020995

**Supplemental Agreement No. 5
to HDR Consultant Agreement #7075**

Agreement	Agreement Date	Expiration Date	Base	Contingency	SubTotal	Total
Consultant Agreement	2/7/13	12/31/15	\$810,868	\$100,000	\$910,868	\$910,868
Supplemental Agreement 1 – Time Extension	10/20/15	12/31/16	N/A	N/A	N/A	
Supplemental Agreement 2 – Time Extension	9/30/16	12/31/17	N/A	N/A	N/A	
Supplemental Agreement 3 – Time Extension	1/23/18	12/31/19	N/A	N/A	N/A	
Supplemental Agreement 4 – Time Extension	12/20/19	12/31/20	N/A	N/A	N/A	
Supplemental Agreement 5 – Final Design, Permitting			\$1,487,148	\$182,852	\$1,670,000	\$2,580,868

Table of Contents

Task 22.	Project Management	3
	Objective	3
	HDR Services	3
	Client Responsibilities.....	3
	Assumptions.....	4
	Deliverables.....	4
Task 23.	Hydraulic Modeling and Assessment Report	4
	Objective	4
	HDR Services	4
	Client Responsibilities.....	5
	Assumptions.....	5
	Deliverables.....	6
Task 24.	Design Criteria Technical Memorandum	6
	Objective	6
	HDR Services	6
	Client Responsibilities.....	7
	Assumptions.....	7
	Deliverables.....	7
Task 25.	60% Design.....	7
	Objective	7
	HDR Services	7
	Client Responsibilities.....	7
	Assumptions.....	8
	Deliverables.....	8
Task 26.	90% Design.....	8
	Objective	8
	HDR Services	9
	Client Responsibilities.....	9
	Assumptions.....	9
	Deliverables.....	10
Task 27.	100% Design	10
	Objective	10
	HDR Services	10
	Client Responsibilities.....	10
	Assumptions.....	10
	Deliverables.....	11

Task 28.	Ad-ready set.....	11
	Objective	11
	HDR Services.....	11
	Client Responsibilities.....	12
	Assumptions.....	12
	Deliverables.....	12
Task 29.	Geotechnical Engineering	12
	Objective	12
	HDR Services.....	12
	GeoEngineers Services.....	13
	Client Responsibilities.....	14
	Assumptions.....	14
	Deliverables.....	15
Task 30.	Permitting/Environmental Services.....	15
	Objective	15
	Task 30.1. City of Redmond Permitting Services	15
	HDR Services.....	15
	Client Responsibilities.....	16
	Assumptions.....	17
	Deliverables.....	18
	Task 30.2 King County Permitting Services.....	18
	HDR Services.....	18
	Client Responsibilities.....	19
	Assumptions.....	19
	Deliverables.....	20
	Task 30.3. Federal/State Permitting Services	20
	HDR Services.....	20
	Client Responsibilities.....	21
	Assumptions.....	21
	Deliverables.....	21
	Task 30.4. Permitting Support Services.....	21
	HDR Services.....	22
	Client Responsibilities.....	22
	Assumptions.....	22
	Deliverables.....	22
Task 31.	6F Process.....	22
	Objective	22
	HDR Services.....	22
	WSP Services.....	23

	Client Responsibilities.....	23
	Assumptions.....	23
	Deliverables.....	23
Task 32.	Cultural Resources	23
	Objective	23
	HDR Services.....	24
	HRA Services	24
	Client Responsibilities.....	26
	Assumptions.....	26
	Deliverables.....	27
Task 33.	Real Estate Services.....	27
	Objective	27
Task 33.1. Real Estate Services Management	27	
	HDR Services.....	27
	Client Responsibilities.....	27
	Assumptions.....	28
	Deliverables.....	28
Task 33.2. Title Report Facilitation.....	28	
	HDR Services.....	28
	Client Responsibilities.....	28
	Assumptions.....	28
	Deliverables.....	29
Task 33.3. Property Descriptions and Valuations.....	29	
	HDR Services.....	29
	Client Responsibilities.....	29
	Assumptions.....	29
	Deliverables.....	30
Task 33.4. Right-of-Way Acquisitions and Negotiations	30	
	HDR Services.....	30
	Client Responsibilities.....	31
	Assumptions.....	31
	Deliverables.....	32
Task 34.	Outreach Materials.....	32
	Objective	32
	HDR Services.....	32
	EnviroIssues Services.....	32
	Client Responsibilities.....	33
	Assumptions.....	33
	Deliverables.....	33

Task 35.	Outreach Activities and Events	34
	Objective	34
	HDR Services.....	34
	EnviroIssues Services.....	34
	Client Responsibilities.....	35
	Assumptions.....	35
	Deliverables.....	35
Task 36.	Bid and Award Support	35
	Objective	35
	HDR Services.....	36
	Client Responsibilities.....	36
	Assumptions.....	36
	Deliverables.....	36
Task 37.	Optional Services.....	37
	Objective	37
	Services	37
	Client Responsibilities.....	37
	Assumptions.....	37
	Deliverables.....	38

EXHIBIT A

SCOPE OF SERVICES

Summary

The HDR Consultant Agreement (February 7, 2013) with the City of Redmond (City) for the Evans Creek Relocation project includes engineering, permits, geotechnical investigation, public involvement, cultural resources investigation, right of way services and construction support.

In 2013, the Evans Creek Project started the 30% Design and Right of Way Phase. In (2015), the Design work was placed on hold pending the acquisition of a key easement. As of March 2019, the easement was obtained and the next phase of Design and Permitting started.

The 2019 30% update phase updated and replaced tasks in the Consultant Agreement (February 7, 2013) to update the 30% design and finalize preparation and submittals of long-lead permits.

This scope of services for HDR Engineering, Inc. (Consultant) includes:

- Incorporating the City's comments on the updated 30% plans, finalizing reports, preparing the ad-ready plans, special provisions and opinion of probable construction cost (OPCC), preparing permits needed for construction, and providing bid period support. Specifications will follow WSDOT/APWA Standard Specifications and the City's General Special Provisions. City and WSDOT standard details will be used where applicable.
- Preparing the applications and obtaining the local, state and federal permits required to bid and construct the project.
- Right of Way Services including negotiating and acquiring the temporary and permanent ROW needed to support the construction and maintenance of the project.
- Preparing the FEMA of Conditional Letter of Map Revision (CLOMR) for the relocation of Evans Creek.
- Providing public outreach and involvement support by working with individual property owners, holding public meetings for larger groups of stakeholders and neighbors, and preparing outreach materials.
- Supporting the bid process by reviewing bid materials, reviewing RFI's and preparing addenda.
- Future scope updates and/or supplemental agreements are anticipated to support the construction process and to extend the agreement expiration date.

Schedule: Approximately January 2021– June 2023

Background

Evans Creek is a Class I stream situated in a highly developed area within the City. It has a narrow riparian buffer, is channelized, sits adjacent to industrial properties, and may be influenced by stormwater runoff. The relocation of Evans Creek is listed in the Water Resource Inventory Area (WRIA) 8 Chinook Conservation Plan.

Contingency Tasks

Contingency Tasks are shown in italics. These or other unanticipated tasks must receive prior written approval by the City. See individual Tasks and Optional Services for more information.

Scope of Services

Task 22. Project Management

Objective

The purpose of this task is to monitor, manage and adjust scope, schedule, and budget as well as provide monthly status reporting, accounting, and invoicing in accordance with this scope of work.

HDR Services

1. Coordinate and manage the project team. Monitor and manage the scope, schedule and budget. Obtain written authorization from the City before implementing any change to this scope of work, schedule or budget. All contingency tasks and use of contingency funds shall be preapproved in writing by the City.
2. Subcontract with and manage project subconsultants.
3. Prepare monthly status reports describing the following:
 - A. Work accomplished the prior month and work planned for the upcoming month
 - B. A narrative of deliverables; accomplishments; and important meetings.
 - C. Current issues relating to the work including budgets and schedules
 - D. Issues that need to be resolved to maintain schedule
 - E. Proposed resolutions to mitigate the issues
4. Prepare monthly invoices formatted in accordance with contract terms.
5. Attend a project kick-off meeting with the City.
6. Project Manager will attend bi-weekly project management meetings with the City to review project scope, schedule, and budget issues.
7. Update the project schedule, in Microsoft Project, for the design, permitting, shoreline updates, and construction phases. Include tasks shown in the City's project schedule template. Perform updates as needed during this phase if new information becomes available for major tasks.
8. Develop a Risk Management Plan which identifies project risks, potential impacts, and potential mitigation measures. Use the City's risk table as a starting point.
9. *Contingency: Support for preparation of grant applications.*

Client Responsibilities

1. Schedule and attend project management review meetings.
2. Timely processing and payment of invoices.
3. Review and process contract change requests and amendments, if needed.
4. Provide City template to be used for formatting Project Schedule
5. Provide City timelines for the schedule update (e.g. shoreline update process, bid period and award process)

6. Take notes from project management meetings.

Assumptions

1. The project duration will be 30 months from Notice to Proceed,
2. Up to 115 project management meetings will be held. The meetings will be one hour in length. One Consultant will attend these meetings
3. The kick-off meeting will be 2 hours in length and attended by up to seven (7) consultants.
4. Invoices will be HDR standard invoice format.
5. The project schedule will be developed in a previous phase will be used as the basis and be updated monthly.

Deliverables

1. Monthly reports and invoices (e-mailed PDF file)
2. Monthly budget updates
3. Project management meeting agenda and notes (e-mailed PDF files)
4. Microsoft Project Schedule – monthly updates in electronic format
5. Draft and Final Risk Management Plan in electronic format

Task 23. Hydraulic Modeling and Assessment Report

Objective

The purpose of this task is to evaluate and confirm hydraulic performance criteria for the project and to prepare CLOMR documentation required by FEMA to implement the project in a regulatory floodway and floodplain.

HDR Services

1. Incorporate and review current FEMA work maps, hydraulic model, and hydrology using adopted work products by King County.
2. Provide updated hydrological assessment that establishes the targeted design flows for the project including updated effective, flow duration, and seasonal low-flow analysis.
3. Prepare Duplicate Effective, Corrected Effective, and Existing Conditions 1D HEC-RAS model from current FEMA Effective Model.
4. Prepare Proposed Conditions 1D model
5. Prepare Existing conditions 2D hydraulic model
6. Prepare Proposed Conditions 2D hydraulic model
7. Provide hydraulic characteristics such as shear stress, velocity, and depth throughout the project domain to verify sizing and stability of proposed channels, embankments, habitat elements, and pedestrian bridges.
8. Perform a 1-D floodway analysis and delineate the modified floodway.

9. Evaluate potential “structure”, “pier,” “abutment,” and “long term” scour at embankments, habitat elements, and pedestrian bridges to inform design of scour countermeasures and project elements.
10. Evaluate 60% design and confirm conformance with desired performance criteria and evaluate initial influence on existing floodplain conveyance and extent.
11. Prepare a Hydraulic Modeling Assessment report consistent with the details provided in the 60% design documentation.
12. Incorporate comments prepared through the City review period and develop a working design model to be used iteratively through the 90% and 100% design process.
13. Use the working 2D proposed conditions model to refine the project design and confirm the project meets performance criteria between the 60, 90, and 100% design iterations.
14. Prepare a Draft Hydraulic Modeling Assessment report consistent with the details provided in the 100% design documentation.
15. Prepare CLOMR Documentation consistent with FEMA requirements including TSDN (Technical Study Data Notebook), Updated Work Map, Annotated FIRM, and MT-2 Forms.
16. Incorporate comments prepared through the City review period and develop a Final Hydraulic Assessment Report and CLOMR submittal package.
17. Assist City with up to two rounds of comment responses resulting from review by local Community Floodplain Manager

Client Responsibilities

1. City to obtain the latest effective FEMA work products.
2. City to coordinate meetings with local floodplain manager to confirm use of data and agreed upon path forward for floodplain mapping.
3. City to provide consolidated (conflict resolved) review comments on project deliverables within designated (3) week review periods.
4. Coordinate the preparation and distribution of notifications to the public and landowners potentially affected by the change in hydraulic conditions (i.e. BFE, SFHA extents, floodway extents, etc.) in accordance with the CLOMR process.

Assumptions

1. Coordination efforts are budgeted with an allowance of up to 40 hours divided amongst multiple HDR team members.
2. The 1D modeling analysis will begin with a HEC-RAS formatted effective model developed by King County and adopted by the City in August 2020.
3. Both 1D and 2D modeling will be desired to meet the anticipated project objectives, need for adequate FEMA documentation, and CLOMR preparation.
4. FEMA 100-year flow published in the August 2020 FIS will be used for preparation of the CLOMR.
5. It is assumed that the Corrected Effective and Existing Conditions model will be based upon the use of updated HEC-RAS versions and topography. Effort for updating modeling errors

in the original study are not included in this scope of work. HDR will use HEC-RAS v5.0.7 or 6.0 if it becomes available prior to CLOMR submittal.

6. The use of HEC-RAS 2D or SRH-2D as a 2-dimensional modeling platform will be determined at a later date but will remain consistent after design initiation.
7. Up to four project options or scenarios or iterations will be evaluated as part of the final design process which would require iterative refinement of the proposed “project” 1D and 2D models.
8. The 2D model runs will be made for up to six (6) river flow conditions, to be discussed and approved in advance with the City.
9. The Final Hydraulic Modeling Assessment Report will be up to 100 pages in length inclusive of narratives, figures, calculation results, appendices, and CLOMR materials. Report will include documentation of hydrologic analysis done to obtain flows for modeling.
10. The Final report will be sealed by an engineer licensed in the State of Washington.

Deliverables

1. Native electronic files of the final Existing and Proposed conditions 1D and 2D hydraulic models and work maps.
2. PDF and MS Word copy of 60% Hydraulic Modeling Assessment Report
3. PDF and MS Word copy of Draft Hydraulic Modeling Assessment Report
4. PDF copy of Final Hydraulic Modeling Assessment Report, sealed by PE licensed in State of Washington.
5. Electronic Draft and .pdf of sealed Final CLOMR TSDN (Technical Study Data Notebook), Updated Work Map, Annotated FIRM, and MT-2 Forms
6. MS excel spreadsheet documenting HDR’s responses to City comments

Task 24. Design Criteria Technical Memorandum

Objective

The objective of this task is to document the performance objectives, anticipated criteria, constraints, conditions, and methods that govern design development and preparation of construction documents. Performance objectives will provide measurable factors that the project is expected to accomplish after construction. Criteria are expected to include biologic, ecohydraulic, and technical factors that provide the framework for design of each project element. The draft technical memorandum will be prepared in coordination with the City. The final version will be incorporated into the 60% Design Documentation Report as comments received from the City are addressed.

HDR Services

1. Prepare a Draft Design Criteria Technical Memorandum
2. Incorporate final design criteria documentation into the 60% Design Documentation Report

Client Responsibilities

1. Attend project design development meetings initiated by the Consultant and provide feedback on proposed design criteria and performance expectations.
2. Provide one set of consolidated, conflict resolved comments on draft report.

Assumptions

1. Consultant will track, respond to, and incorporate comments received by the City on the Draft Design Criteria Report.
2. The final design criteria will be incorporated into the 60% Design Documentation Report as a stand-alone section.

Deliverables

1. Electronic PDF and MS Word copy of Draft Design Criteria Report
2. Incorporate final design criteria into the 60% Design Documentation Report

Task 25. 60% Design

Objective

The objective of this task is to prepare and submit a design submittal to a 60% level of completion. The design submittal will consist of a Design Documentation Report, Design Plans, Special Provisions Table of Contents, and an updated OPCC.

HDR Services

1. Prepare Design Documentation Report
2. Prepare design plans (see Attachment A for list of drawings to be included)
3. Prepare a table of contents for the special provisions to the City's standard specifications
4. Prepare an OPCC
5. Regularly identify, communicate, and resolve design issues with the project management team.
6. Prepare MS Excel comment response tracking log
7. Hold bi-weekly design team meetings
8. Attend a design review meeting to discuss and resolve comments and confirm the path forward for the next design iteration.
9. *Contingency: Address significant design changes past the completion of the design criteria memorandum.*

Client Responsibilities

1. Coordinate documentation review and provide a consolidated, conflict resolved set of comments to HDR for incorporation in the design drawings, report and OPCC.
2. Respond to and provide input to design issues and questions identified by the design team.

Assumptions

1. The 60% level design will be based upon the design drawings prepared at the 30% level of completion by HDR and comments received by the City during earlier iterations prior to execution of this contract.
2. Drawings will be prepared on full-size 22x34 sheets using the City's CAD standards.
3. Drawings will be marked "PRELIMINARY – NOT FOR CONSTRUCTION" until they are sealed and wet-signed for the purposes of bidding.
4. Specifications will follow WSDOT/APWA Standard Specifications and the City of Redmond's General Special Provisions.
5. City of Redmond and WSDOT standard details will be used where applicable.
6. The level of effort for this task is anticipated in accordance with the preliminary drawing list presented as Attachment A.
7. The level of effort for this task is anticipated in accordance with the preliminary special provisions list presented as Attachment B.
8. The OPCC will be prepared in accordance with AACE standards. It is assumed that the 60% OPCC will correspond to a Class 2 estimate.
9. Class 2 Cost Opinions will have a range of accuracy based upon AACE International Recommended Practice No. 18R-97, Class 3, 30- to 70- percent project definition, +30% to -15% Range of Accuracy.
10. Design submittals will be provided to the City for review and distribution to others by the City. The City will be responsible for coordinating reviews and providing consolidated comments back to Consultant for consideration.
11. The bi-weekly design team meetings will be 1 hour in length and attended by up to four (4) Consultants.
12. A 60% design review meeting will be up to three (3) hours in length and will be attended by up to three (3) Consultants.

Deliverables

1. Electronic PDF and MS Word copy of 60% Design Documentation Report
2. Electronic PDF copy of 60% Design Plans
3. Electronic PDF and MS Word copy of Special Provisions Table of Contents
4. Electronic PDF and MS Excel copy of 60% OPCC
5. Electronic MS Excel copy of 60% Comment Response Tracking Log

Task 26. 90% Design

Objective

The objective of this task is to prepare and submit a design submittal to a 90% level of completion. The design submittal will consist of updated Design Plans, Draft Special Provisions, and an updated OPCC.

HDR Services

1. Prepare design plans
2. Prepare draft special provisions and draft schedule of values (bid items)
3. Prepare an OPCC
4. Regularly identify, communicate, and resolve design issues with the project management team.
5. Prepare MS Excel comment response tracking log
6. Hold bi-weekly design team meetings
7. Attend a design review meeting. The purpose of the meetings will be to discuss and resolve substantive comments and confirm the path forward for the next design iteration.

Client Responsibilities

1. Coordinate documentation review and provide a consolidated, conflict resolved set of comments to HDR for incorporation into the design drawings, special provisions, report and OPCC.
2. Respond to and provide input to design issues and questions identified by the design team.

Assumptions

1. The 90% level design will be based upon the design plans prepared at the 60% level of completion by HDR and integration of comments received by the City.
2. Drawings will be prepared on full-size 22x34 sheets using the City's CAD standards.
3. Drawings will be marked "PRELIMINARY – NOT FOR CONSTRUCTION" until they are sealed and wet-signed for the purposes of bidding.
4. Specifications will follow WSDOT/APWA Standard Specifications and the City of Redmond's General Special Provisions.
5. City of Redmond and WSDOT standard details will be used where applicable.
6. The level of effort for this task is anticipated in accordance with the preliminary drawing list presented as Attachment A.
7. The level of effort for this task is anticipated in accordance with the preliminary special provisions list presented as Attachment B.
8. The OPCC will be prepared in accordance with AACE standards. It is assumed that the 90% OPCC will correspond to a Class 1 estimate.
9. Class 1 OPCC will have a range of accuracy based upon AACE International Recommended Practice No. 18R-97, Class 1, 90- percent project definition, +20% to -10% Range of Accuracy
10. Design submittals will be provided to the City for review and distribution to others by the City. The City will be responsible for coordinating reviews and providing consolidated comments back to Consultant for consideration.
11. The bi-weekly design team meetings will be 1 hour in length and attended by up to four (4) Consultants.

12. Design review meetings will be up to three (3) hours in length and will be attended by up to three (3) HDR team members.

Deliverables

1. Electronic PDF copy of 90% Design Plans
2. Electronic PDF and MS Word copy of Draft Special Provisions
3. Electronic PDF and MS Excel copy of 90% OPCC
4. Electronic MS Excel copy of 90% Comment Response Tracking Log

Task 27. 100% Design

Objective

The objective of this task is to prepare and submit a design submittal to a 100% level of completion. The design submittal will consist of an updated Design Documentation Report, Design Plans, Draft Special Provisions, and an updated OPCC. As part of this task, updates to the City's contract, scope of work, the schedule of values, and other modifications to the City's Division 1 specifications will be provided.

HDR Services

1. Update Design Documentation Report
2. Prepare design plans
3. Prepare final special provisions
4. Prepare updated Schedule of Values (bid items)
5. Provide suggested mark-ups on the City's contract and Division 1 General Requirements.
6. Prepare an OPCC
7. Regularly identify, communicate, and resolve design issues with the project management team.
8. Prepare MS Excel comment response tracking log
9. Hold bi-weekly design team meetings
10. Attend a design review meeting. The purpose of the meetings will be to discuss and resolve substantive comments and confirm the path forward for the next design iteration.

Client Responsibilities

1. Coordinate documentation review and provide a consolidated set of comments to HDR for incorporation into the ad-ready drawings, special provisions and OPCC.
2. Respond to and provide input to design issues and questions identified by the design team.

Assumptions

1. The 100% level design will be based upon the design plans prepared at the 90% level of completion by HDR and integration of comments received by the City.

2. Design submittals will be in electronic pdf format.
3. Drawings will be prepared on full-size 22x34 sheets using the City's CAD standards.
4. Drawings will be marked "PRELIMINARY – NOT FOR CONSTRUCTION" until they are sealed and wet-signed for the purposes of bidding.
5. Specifications will follow WSDOT/APWA Standard Specifications and the City of Redmond's General Special Provisions.
6. City of Redmond and WSDOT standard details will be used where applicable.
7. The level of effort for this task is anticipated in accordance with the preliminary drawing list presented as Attachment B.
8. The level of effort for this task is anticipated in accordance with the preliminary special provisions list presented as Attachment C.
9. The OPCC will be prepared in accordance with AACE standards. It is assumed that the 100% OPCC will correspond to a Class 1 estimate.
10. Class 1 OPCC will have a range of accuracy based upon AACE International Recommended Practice No. 18R-97, Class 1, 100- percent project definition, +10% to -5% Range of Accuracy
11. Design submittals will be provided to the City for review and distribution to others by the City. The City will be responsible for coordinating reviews and providing consolidated comments back to Consultant for consideration.
12. The bi-weekly design team meetings will be 1 hour in length and attended by up to four (4) Consultants.
13. Design review meetings will be up to three (3) hours in length and will be attended by up to three (3) HDR team members.

Deliverables

1. Electronic PDF and MS Word copy of 100% Design Documentation Report
2. Electronic PDF copy of 100% Design Plans
3. Electronic PDF and MS Word copy of Draft Special Provisions
4. Electronic PDF copy of 100% OPCC
5. Electronic MS Excel copy of 100%Comment Response Tracking Log

Task 28. Ad-ready set

Objective

The objective of this task is to develop the contract documents to be used in the construction advertisement.

HDR Services

1. HDR Project Manager will attend a review meeting with the City to identify and discuss "Ad-Ready" comments that are to be incorporated.

2. Prepare “Ad-Ready” plans and special provisions.
3. Assist City with development of bid solicitation documents such as project descriptions, schedule of values, and scope of work.

Client Responsibilities

1. Coordinate a 2-hr design review meeting with HDR Project Manager
2. Prepare, coordinate, and advertise final bid solicitation documents.

Assumptions

1. Consultant project manager will attend 1, 2-hr design review meeting to identify and discuss “Ad-Ready,” comments with the City, at the City of Redmond office.
2. “Ad-Ready,” comments are not substantive, are aesthetic in nature and do not change the intent, scale, footprint, or scope of design features (i.e. indexes, titles, simple annotation, cross-references, etc.).
3. HDR will provide final design plans, design documentation report, and special provisions electronically sealed and signed by the engineers of record.
4. The Final OPCC (i.e. Engineer’s Estimate), will be used to provide the basis of the schedule of values that will be used by bidders for the project. It will contain a professional license stamp and match the format of the Bid Schedule.
5. *Contingency: Provide a separate estimate of other items to complete the project, such as estimated post construction monitoring and maintenance costs.*

Deliverables

1. Electronic PDF of electronically sealed and signed Design Documentation Report, Design Plans, and Special Provisions.
2. Final OPCC with professional license stamp and matching the format of the Bid Schedule. An unstamped excel version will also be provided.

Task 29. Geotechnical Engineering

Objective

To provide additional geotechnical engineering services to support the design of proposed pedestrian bridges and provide earthwork recommendations for construction.

HDR Services

1. Review the proposed locations of the explorations.
2. Review the Geotechnical Report and discuss recommendations with the City
3. Incorporate recommendations into the design
4. Attend coordination meetings

GeoEngineers Services

1. Review relevant in-house files and readily available sources for existing subsurface information at the project site, including information for the existing pedestrian bridges.
2. Develop a preliminary site map with planned exploration locations based on an understanding of the proposed improvements. The map will be presented to the project team to discuss the proposed locations.
3. Conduct a project site visit to mark out planned locations for explorations and contact the “One-Call” Utility Notification Center, as required by Washington State law. Subcontract a private utility locator, who will attempt to locate conductible underground utilities in the vicinity of our explorations, which may not have been identified by the “One-Call” process.
4. Explore subsurface conditions at the project site by advancing up to four borings at the locations of the proposed pedestrian bridges using subcontracted equipment and operators. Borings will be advanced to about 60 feet below existing grades. Develop a detailed log of the explorations and collect soil samples at regular intervals during advancement of the subsurface explorations.
5. Conduct geotechnical laboratory testing on selected soil samples. We anticipate laboratory testing will include Atterberg Limit tests, organic content determinations, moisture content determinations, and percent finer than the U.S. No. 200 sieve determinations.
6. Provide a summary of soil and groundwater conditions at the site based on the review, explorations, and testing.
7. Provide seismic design parameters for the proposed pedestrian bridges in accordance with the 2017 American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor Design (LRFD) Bridge Design Manual. Provide an analysis to evaluate the susceptibility of site soils to liquefaction using simplified methods.
8. Develop recommendations for foundation support of the proposed pedestrian bridge. Provide pile axial resistance estimates, L-Pile parameters for evaluating the piles and discuss pile installation criteria and backfill materials.
9. Review the City of Redmond Temporary Construction Dewatering Operating Policy and Critical Areas Code to assess what construction and development criteria or restrictions may be applicable to this site.
10. Provide a discussion of potential dewatering techniques that could be utilized during excavation for the new creek alignment. Dewatering design is expected to be completed by the contractor performing the work. The discussion will be limited to evaluating the feasibility of different dewatering techniques and providing construction considerations for dewatering.
11. Provide a discussion on construction of the new creek channel including recommendations for permanent slope configurations and streambed lining materials to maintain water levels within the creek, if applicable.
12. Provide recommendations for site preparation and earthwork including stripping, grading, removal of soft-organic or other unsuitable materials, temporary excavation support, backfill placement and compaction, earthwork material recommendation (including reuse of onsite soil).
13. Review the recommendations provided in the February 6, 2015 Geotechnical Report and update recommendations to reflect the current project plans, if necessary.

14. Comment on potential construction difficulties identified from the results of the study and experience working on similar projects including construction of temporary access roads
15. Prepare written draft and final geotechnical reports presenting the findings, conclusions and recommendations. The report will include a project site plan showing approximate locations of explorations, summary exploration logs, laboratory test results and appropriate engineering figures.
16. Provide ongoing consultation during project design and development of the project plans, specification and bid documents.
17. Attend coordination meetings.
18. *Contingency: Review nearby cleanup site data, conduct sampling and prepare a mitigation and/or monitoring plan for groundwater.*

Client Responsibilities

1. Provide one set of consolidated comments on each draft deliverable.
2. Attend coordination meetings, as needed

Assumptions

1. Any permits or right-of-entries required to complete our explorations will be coordinated by others and provided to GeoEngineers.
2. Four borings will be advanced from the existing Evan Creek Trail at the approximate locations of the proposed pedestrian bridges (one boring at each bridge abutment). We will use a limited access drill rig to complete these borings.
3. Cuttings generated during drilling of the borings advanced from the boardwalk will be spread on site.
4. The bridge structures at the site will be designed in accordance with the 2017 AASHTO LRFB Bridge Design Manual LRFD Bridge Design Manual.
5. The proposed bridges will be supported on driven small-diameter pile foundations.
6. Design of temporary shoring and dewatering systems will be completed by the contractor performing the work.
7. The initial geotechnical report dated February 6, 2015 will be updated to include additional project elements, geotechnical data, analysis and recommendations developed from this effort.
8. GeoEngineers will review two (2) sets of design plans and special provisions prepared by Consultant.
9. Environmental sampling and characterization of soils and groundwater are not included in the scope.
10. Up to six (6) coordination meetings will be held. They will be one hour in length, and up to four (4) Consultants will attend.

Deliverables

1. Electronic PDF copy of Preliminary Site Map showing proposed subsurface exploration locations.
2. Electronic PDF and MS Word copy of Draft Geotechnical Report.
3. Electronic PDF copy of Final Geotechnical Report.
4. Electronic red-lines and comments on the design plans and Special Provision to be considered by Consultant.

Task 30. Permitting/Environmental Services

Objective

The primary objective of this task is to prepare environmental documentation and permit application packages for submittal to agencies, as well as maintain proactive coordination with the design team and agencies during the permit review process.

Task 30.1. City of Redmond Permitting Services

Consultant will prepare environmental documentation and permit application packages for submittal to the City of Redmond.

HDR Services

1. Update the Critical Areas Report (prepared under previous contract) to comply with the latest City code and include recent fieldwork findings from 2019-2020 (to be used for City/County permitting).
2. Prepare a Zoning Code Amendment application package for submittal to the City of Redmond Planning Division. The package will include:
 - A. General Application form,
 - B. Zoning Code Amendment Application form,
 - C. Description of the proposed amendment,
 - D. SEPA Checklist, and
 - E. Zoning map (showing proposed zoning designation(s)).
3. Prepare a Comprehensive Plan Amendment application package for submittal to the City of Redmond Planning Division. The package will include:
 - A. General Application form,
 - B. Comprehensive Plan Application form,
 - C. description of the proposed amendment,
 - D. comprehensive plan map (showing proposed designation(s)),
 - E. signature document (if required; to be provided by the client), and
 - F. SEPA Application form/SEPA Checklist (prepared under previous contract).
4. Provide up to 60 hours of support during the SEPA, Shoreline Master Program (MAP) Amendment, Zoning Code Amendment, and Comprehensive Plan Amendment processes as requested. This assistance is limited to up to 60 hours of GIS and/or graphics support to

assist with city staff presentations to City Council or Planning Commissions to facilitate the rezone or Shoreline map update to reflect the relocated stream.

5. Prepare a Shoreline Substantial Development Permit (SSDP) application package for submittal to the City of Redmond Planning Division. The package will include:

A. Plan Set items:

- i. composite plan
- ii. cover sheet,
- iii. cross-section plan,
- iv. drainage plan,
- v. grading plan,
- vi. mitigation/restoration plan,
- vii. tree preservation plan, and
- viii. site plan

B. Planning items:

- i. Alta Survey;
- ii. Critical Areas Report (includes Critical Aquifer Recharge Areas discussion);
- iii. Cultural Resources Report (prepared under previous contract),
- iv. Decision Criteria Analysis & Response Applicant Memo (which includes shoreline criteria justification);
- v. JARPA form (prepared under previous contract),
- vi. Photographs,
- vii. Project Narrative,
- viii. SEPA Application form/SEPA Checklist (prepared under previous contract),
- ix. Title Report or Plat Certificate, and
- x. Waiver Request Letter

C. Stormwater items:

- i. Easement Documents
- ii. Geotechnical Report

6. *Contingency: Provide an arborist to identify the health of each tree within the project clearing limits and assess long-term viability of tree if earthwork occurs within five feet of tree dripline.*

Client Responsibilities

1. Sign permit applications and provide payments/review fees, notifications (including on-site notice boards), and distributions. Arrange property owner signatures as needed to support permit package development.
2. Act as SEPA Lead Agency. Finalization of the SEPA Environmental Checklist will be completed by the City.
3. Provide one consolidated set of comments on each draft deliverable.

Assumptions

1. The Critical Areas Report will be based on one impact iteration from 30% design. Critical areas review from the City of Redmond for the project will be done under the SSDP.
2. Additional field work is not required.
3. The Tree Preservation Plan will be prepared in accordance with the City of Redmond's current Redmond Zoning Code 21.72 – Tree Protection and “Guidelines for Demonstrating Conformance with Tree Protection Standards.”
4. To meet the Tree Protection Standards a health assessment of each tree will not be completed and the following areas for tree removals will be calculated:
 - A. Within the proposed channel limits
 - B. Within the grading limits
 - C. Within the drip lines plus five (5) feet
5. The following items are assumed to be waived from the SSDP package:
 - A. Plan Set items:
 - i. Building Elevations
 - ii. Fire Plan
 - iii. Floor Plan
 - iv. Irrigation Plan
 - v. Landscape Plan
 - vi. Lighting Plan
 - vii. Phasing Plan
 - viii. Roof Plan
 - ix. Screening Plan
 - x. Sign Plan
 - xi. Transportation Plan
 - xii. Utility Plan
 - B. Planning items:
 - i. Critical Areas Aquifer Recharge Report (this is included in the Critical Areas Report, not as a separate report)
 - ii. Extraordinary Notice
 - iii. GHG Emissions Worksheet
 - iv. Memorandum of Understanding
 - v. Neighborhood Meeting Notice
 - vi. Noise Analysis
 - vii. Tree Health Assessment Report
 - C. Design Review Board items (all)
 - D. Transportation items (all)
 - E. Stormwater items:
 - i. Stormwater Report
 - ii. LID Feasibility Analysis and Site Plan

- F. Utilities items (other submittal items as required by city utilities assumed not applicable)
- G. Fire items (all)

6. Consultant design plans are sufficient to meet City of Redmond plan submittal requirements, including plan scale requirements.
7. Retaining walls will be removed from design in further design iterations; therefore, a Miscellaneous Building Permit application package will not be required for the project from the City of Redmond.
8. Consultant will submit permit materials to City of Redmond electronically.
9. Consultant will act as Applicant's Agent during City reviews.
10. Additional applications, documentation, or studies requested by City of Redmond staff would be considered extra work and is not included in this scope of work (SOW).
11. Public hearing support is not included in this SOW.
12. Preparation of the project CSWPPP is included in Task 29.3; to support City and State permitting.
13. The SEPA Environmental Checklist will include both project-related and non-project actions (i.e., plan amendments). A SEPA Determination of Non-Significance (DNS) or Mitigated DNS will be issued by the City of Redmond for the project.

Deliverables

1. Draft and final Critical Areas Report
2. Draft and final Zoning Code Amendment application package
3. Draft and final Comprehensive Plan Amendment application package
4. Draft and final SSDP application package
5. Draft and Final Tree Preservation Plan

Task 30.2 King County Permitting Services

Consultant will prepare environmental documentation and permit application packages for submittal to King County.

HDR Services

1. Provide up to 60 hours of assistance during the Shoreline Master Program (MAP) Amendment, Zoning Code Amendment, and/or Comprehensive Plan Amendment processes as requested by the Client. This assistance is limited to GIS and/or graphics support to assist with county presentations to facilitate the rezone or amendments to reflect the relocated stream.
2. Prepare Shoreline Permit application package (Shoreline Conditional Use and Shoreline Variance) for submittal to King County DPER. The package will include:
 - A. Permit Application form,
 - B. JARPA form,
 - C. Site Plans,

- D. SEPA Checklist/Determination,
 - E. Level-One Drainage Analysis and Conceptual Drainage Plan (if required),
 - F. List of issued or pending permits or decisions related to the proposal,
 - G. Permit review fees,
 - H. Shoreline Conditional Use written narrative/criteria document,
 - I. Shoreline Variance written narrative/criteria document,
 - J. Site photos, and
 - K. Critical Areas Report.
3. Prepare Grading Permit application package for submittal to King County DPER. The package will include:
 - A. Affidavit of Application Form,
 - B. Certification of Applicant Status,
 - C. Clearing and Grading Permits Application Worksheet,
 - D. SEPA Checklist/Determination,
 - E. Fee Worksheet,
 - F. Site Plans, and other requirements as identified in the pre-application meeting.
 4. Prepare Commercial Building Permit application package for submittal to King County DPER for the two pedestrian bridges located in unincorporated King County. The package will include:
 - A. Affidavit of Application Form,
 - B. Project Description (including parcel numbers, legal descriptions, project valuation),
 - C. Plan Set,
 - D. Calculations (as applicable), and
 - E. SEPA Checklist.

Client Responsibilities

1. Sign permit applications and provide payments/review fees, notifications (including on-site notice boards), and distributions.
2. Provide one set of consolidated comments on each draft deliverable.

Assumptions

1. A Critical Areas Alteration Exception is not required for the project.
2. Critical areas review for the project will be done through the shoreline permitting process.
3. Tree survey and preservation is included as part of Grading Permit Package. A separate permit and document will not be developed.
4. Both pedestrian bridges will be included in one comprehensive Building Permit application package.
5. Consultant will submit permit materials to King County electronically.
6. Consultant will act as Applicant's Agent during County reviews.
7. Additional applications, documentation, or studies requested by King County staff is not included in this SOW.

8. This SOW does not cover time or expenses for Consultant's services in case of an appeal of the Shoreline Permit to the board of county commissioners or to the Shoreline Hearings Board.
9. Preparation of the project CSWPPP is included in Task 29.3; to support City and State permitting.

Deliverables

1. Draft and final Shoreline Permit application package (for Shoreline Conditional Use and Shoreline Variance)
2. Draft and final Grading Permit application package
3. Draft and final Commercial Building Permit application package

Task 30.3. Federal/State Permitting Services

Consultant will prepare and submit permit application packages to state (DNR, WDFW, and Ecology) and federal (USACE) agencies.

HDR Services

1. Prepare JARPA addenda to reflect changes to the proposed plan after initial JARPA submittal.
2. Prepare 404(b)(1) Alternatives Analysis. As required for the USACE permit, a Section 404 3(b) Alternatives Evaluation is required. This includes analysis of the 'practicable alternatives' to demonstrate compliance with the USACE Section 404(b)(1) Guidelines for Specification of Disposal Sites for Dredged or Fill Material (CFR 40 Part 230 Section 404(b)(1)). HDR will work with the City to develop the Practicable Alternatives to demonstrate compliance with Section 404(b)(1).
3. Conduct one two-hour meeting by phone/WebEx with the USACE to go over 404(b)(1) Alternatives Analysis needs.
4. Prepare a beaver adaptive management plan as requested by USACE and Muckleshoot Tribe for Section 404 permit approval.
5. Prepare a Water Quality Monitoring Plan that will be required by Ecology for Section 401 Water Quality Certification
6. Prepare Forest Practices Application/Notification (FPA/N) application package for submittal to the Washington State Department of Natural Resources (DNR). The package will include: FPA/N Form for Western Washington; CZM Assessment Form; Archaeological, Historical, Tribal Resources Form; copy of SEPA Checklist or SEPA Determination; Activity Maps and Site Plans.
7. Prepare Hydraulic Project Approval (HPA) application package for submittal to the Washington Department of Fish and Wildlife (WDFW). The package will include: HPA Application (online, JARPA form); and Project Plan Set.
8. Prepare NPDES Construction Stormwater General Permit application package for online submittal to Ecology through their Water Quality Web Portal. The package will include: Notice of Intent; Public Notice; and Construction Stormwater Pollution Prevention Plan (CSWPPP)/TESC Plans.

Client Responsibilities

1. Sign permit applications and provide payments/review fees, notifications, and distributions.
2. Provide one set of consolidated comments on each draft deliverable.

Assumptions

1. Up to two (2) JARPA addendums will be prepared based on 60% and 90% plans.
2. Two (2) drafts of each deliverable will be prepared.
3. The 404(b)(1) analysis meeting will be attended by up to three HDR staff.
4. The 404(b)(1) analysis will be prepared based on one iteration of project design.
5. The Forest Practices Application/Notification will be prepared based on one iteration of project design.
6. The HPA package will be prepared based on 90% design.
7. One one-day field visit by two HDR staff is assumed to gather information for the beaver management plan.
8. One one-day field visit with Ecology staff by two HDR staff is assumed.
9. Consultant will prepare the CSWPPP in accordance with City of Redmond, King County, and Ecology guidance. Contaminated soils are not present on the site. Spill Presentation Control Countermeasures will be included in the CSWPPP. The CSWPPP will cover City-proposed activities for the project and will not include future fill of the stream which will be done by property owners.
10. Consultant will submit permit application materials electronically to each agency.

Deliverables

1. Draft and Final JARPA addendums (USACE)
2. Draft and final 404(b)(1) Alternatives Analysis (USACE)
3. Draft and final beaver adaptive management plan (USACE)
4. Draft and final Water Quality Monitoring Plan (Ecology)
5. Draft and final FPA/N application package (DNR)
6. Draft and final HPA application package (WDFW)
7. Draft and final CSWPPP (multiple agencies)
8. Draft and final NPDES Construction Stormwater General Permit application package (Ecology)

Task 30.4. Permitting Support Services

Consultant will maintain proactive coordination with the design team and agencies, and prepare comment/responses during the agency review process.

HDR Services

1. Participate in internal team coordination meetings to facilitate communication between the design team, the City, and the regulatory agencies as issues arise.
2. Organize coordination meetings with the agencies involved in reviewing the long-lead permit applications as well as the future construction related applications to be submitted in the final design phase. Anticipated agencies include the Corps, Ecology, WDFW, Local Tribes, City of Redmond, and King County.
3. Coordinate the comment, response, and revision process for federal/state/local permits, including one resubmittal per application of materials as necessary to agencies. A comment/response table will be developed to consolidate and track progress of each item.
4. Maintain the permit tracking table (to be updated monthly or as permit developments occur).

Client Responsibilities

1. Attend team coordination meetings and regulatory agency meetings, as applicable.

Assumptions

1. For budgeting purposes, 2 meetings per agency with 2 hours of prep time for 2 Consultant staff is anticipated.
2. Agency comment/response and resubmittal package development are limited to 120 hours of support.
3. For budgeting purposes, up to 15 hours for permit tracking table updates are included.

Deliverables

1. Meeting agendas and meeting notes
2. Comment/response tables and revised application materials (one per application package)
3. Permit tracking table updates

Task 31. 6F Process

Objective

Obtain confirmation from the Washington Recreation Conservation Office (RCO) and National Parks Service (NPS) that the Evans Creek Project will not constitute a conversion under Section 6(f) of the Land and Water Conservation Act. Provide RCO with design updates, temporary construction footprint and final channel alignment plans for their records

HDR Services

1. Attend up to four (4), 1-hr long phone meetings with RCO planner and City.
2. Participate in up to two (2) project coordination meetings.
3. Provide materials needed for RCO discussions.

WSP Services

1. Review recently submitted JARPA in preparation for discussion with RCO planners.
2. Prepare a project 6(f) compliance narrative which highlights project features and identifies how the project complies with the 6(f) requirements. The narrative will also identify measures intended to avoid or minimize impacts to the 6(f) resource.
3. Organize up to four (4), 1-hr long phone meetings with RCO planner and project staff. Send RCO planner project updates and design materials to keep in good standing with the City Section 6(f) federal funding obligations.
4. Participate in up to two (2) project coordination meetings with City of Redmond staff to report on progress and status.

Client Responsibilities

1. Provide historic documentation as requested by RCO or NPS if necessary or requested
2. Participate as needed in coordination meetings with RCO/NPS
3. Ensure project design and decisions comply with the City commitments to their LWCF obligation.

Assumptions

1. The project 6(f) compliance narrative will highlight project features and identify how the project complies with the 6(f) requirements. The narrative will also identify measures intended to avoid or minimize impacts to the 6(f) resource.
2. The project 6(f) compliance narrative will document how the project does not constitute a conversion of land purchased or developed with LWCF to a non-recreational use.
3. Organize up to four (4), 1-hr long phone meetings with RCO planner and project staff. Send RCO planner project updates and materials to keep in good standing with the City Section 6(f) federal funding obligations.
4. Organize up to two (2), 1-hour project coordination phone calls with the City.
5. Up to 24 hours is assumed for RCO material support time.

Deliverables

1. Draft and Final 6(f) Compliance Narrative

Task 32. Cultural Resources

Objective

The objective of this task is to provide an additional cultural resources inventory to cover portions of the Area of Potential Effects (APE) that are outside of the areas of previous cultural resources inventory work and for developing a monitoring inadvertent discovery plan (MIDP) for the project.

HDR Services

1. Review deliverables.
2. Attend coordination meetings.

HRA Services

1. Conduct Background Research
 - A. Conduct a records search, for the additional area outside of the current proposed APE, using the Washington State Department of Archaeology and Historic Preservation's DAHP Washington Information System for Architectural and Archaeological Records Data (WISAARD) web portal to determine what previous studies have been conducted in and near the project area since the time of the previous cultural resources inventory. This research will identify previously recorded archaeological and historic sites in the project vicinity.
 - B. Conduct additional background research in HRA's cultural resource reference library and other repositories if needed. Information obtained from these repositories will help to establish the context for potential resources in the vicinity.
2. Utility Locates and Health and Safety Plan
 - A. Conduct the call for utility locates prior to conducting fieldwork.
 - B. Prepare a Health and Safety plan prior to initiating field work to be followed by the field crew while in the field.
3. Cultural Resources Inventory
 - A. Conduct an archaeological pedestrian survey of the portions of the updated APE not covered during previous cultural resources inventory work for the project using maps of the Project area. Archaeologists will walk parallel transects spaced approximately 20 meters apart.
 - B. During this survey, archaeologists will seek out and examine ground exposures (e.g., rodent hole back-dirt piles) looking for exposed archaeological materials.
 - C. Excavate up to 20 archaeological shovel probes to further assess the probability for buried cultural materials. Shovel probes will be terminated when sterile sediment is reached or when they reach a depth of 100 centimeters. Included in the total number of probes are four additional shovel probes to be excavated in the vicinity of identified subsurface cultural material, if identified during this field effort. Probe placement will be up to the judgement of the field supervisor based on the Project's design plan, topographic circumstances, and other field observations, such as the presence of previously disturbed ground and/or buried utilities.
 - D. Screen excavated sediment through ¼-inch wire mesh. Sediment observed in each shovel probe will be documented on standard HRA shovel probe forms. Observations include, but are not limited to: sediment grain size, presence of gravels, evidence of disturbance, and presence of cultural materials. Cultural materials found in each shovel probe will be photographed using a digital camera. Shovel probes will be fill upon completion of documentation and their location will be noted using a Global Position System (GPS) instrument.
4. Draft/Final Cultural Resources Inventory Addendum Report

-
- A. Prepare a Cultural Resources Inventory Report summarizing the Project and findings. The report will be an addendum to previous cultural resource inventory reports conducted for the project. This report will be prepared to meet DAHP guidelines. A draft of the report will be submitted to HDR for comment in electronic format (Adobe pdf), HRA will make revisions to the Draft Report in response to comments. Once finalized, HRA will submit an electronic Final Report for submittal to the appropriate agency and DAHP. The report will include:
- i. A description of the project and applicable laws and regulations;
 - ii. A summary of the results of the background literature and records research;
 - iii. The methods used during the fieldwork and the results;
 - iv. A description of cultural resources found;
 - v. A summary assessment of potential effects to identified resources based on our knowledge of the resource type, soil conditions, and extent to which the proposed project may affect the resource;
 - vi. Recommendations for completion of additional cultural resources compliance obligations stemming from the results of our study;
 - vii. A summary of project procedures that should be followed in the event of an unanticipated discovery of buried cultural materials or human remains during construction; and
 - viii. References cited.
 - ix. If cultural materials are found, the location and cultural materials will be documented on a Washington Archaeological Site Inventory or Isolate form. Photographs will be taken to accompany the form and a sketch map will be prepared showing intrasite resource patterns and the site in relation to the surrounding topography and developments.
 - x. The report will also include such tables, maps, photographs, and other graphics as are needed to depict the scope of the study and results. Forms for recorded resources will be included as appendices to the report.
 - xi. HRA staff will be available for teleconferences with the HDR, City of Redmond, the U.S. Army Corps of Engineers (USACE), and the affected tribes, as necessary, regarding the project and our findings.
5. Draft/Final Monitoring and Inadvertent Discovery Plan –
- A. Produce an archaeological MIDP for submission to HDR, City of Redmond, USACE, DAHP, and the affected Tribes.
- B. The MIDP will include:
- i. Results of the background research and cultural context of the project
 - ii. Description of the proposed work
 - iii. Monitoring plan
 - iv. Plan outlining the procedures to be followed in the event that an archaeological site is inadvertently impacted during project ground-disturbing activities.

6. Attend coordination meetings.
7. *Contingency: Marking the APE in the field to conduct utility locates.*
8. *Contingency: Preparation of cultural resources agreement documents (e.g., Memoranda of Agreement).*

Client Responsibilities

1. Provide one set of consolidated comments on each draft deliverable.
2. Attend coordination meetings, as needed

Assumptions

1. HRA will not be responsible for any consultation with DAHP and the affected Tribes.
2. HRA does not anticipate that visiting the APE to mark out areas for utility locates will be necessary and time for a field visit is not included in the cost estimate.
3. Up to 20 shovel probes will be excavated.
4. Up to one archaeological site will be identified and recorded.
5. No more than four shovel probes will be excavated to define the boundaries of an archaeological resources.
6. If the APE changes, the scope of work and budget will be revised to accommodate the change.
7. HRA will have full access to the APE, including vehicle access, with approved rights of entry to conduct subsurface probes within the APE. HRA will not be responsible for obtaining rights-of-entry.
8. Teleconferences with HDR, the City of Redmond, USACE or DAHP will not exceed four hours over the term of the project.
9. HDR will provide maps (GIS shapefiles are preferred) of the project area and design plans of the proposed project to HRA in a format that can be adapted for use in its report.
10. There will be no unanticipated technical problems associated with using the DAHP Washington Information System for Architectural and Archaeological Records Database (WISAARD). Any such problems could add additional time to research and reporting tasks that may require revisions to the budget and scope of work.
11. Reporting will not include the preparation of agreement documents (e.g., Memoranda of Agreement).
12. Archaeological site 45K11448 will not be impacted by project ground-disturbing activities.
13. No buildings and structures will require inventory.
14. No private utility locates will be needed prior to fieldwork.
15. The monitoring plan will follow the City's template.
16. Up to 4 coordination meetings will be help. They will be one hours in length, and up to four (4) Consultants will attend.

Deliverables

1. Cultural Resources Inventory Addendum Report
2. Monitoring and Inadvertent Discovery Plan, draft and final

Task 33. Real Estate Services

Objective

The primary objective of this task is to assist the City in acquiring the necessary ROW, temporary and permanent, to construct the improvements needed for the relocation of Evans Creek. Consultant shall coordinate acquisition efforts with the City in accordance with the Federal Uniform Relocation Assistance and Real Property Acquisitions Policies Act (URA), applicable State and local laws, and City administrative rules, to facilitate the acquisition of identified properties. Activities will be performed up to WSDOT Local Agency Guidelines Manual standards (LAG).

Task 33.1. Real Estate Services Management

Consultant shall provide overall management for appraisal and Real Estate Services (RES) work on the Project, including ongoing coordination, administration direction, and guidance for the Consultant staff working on this project. Consultant shall provide monthly project updates on progress of work.

HDR Services

1. Provide review of Right of Way (ROW) Plans
2. Prepare a monthly status report in excel format beginning when appraisals are commenced on the project.
3. Attend periodic Real Estate Services (RES) project status meetings (see assumptions for frequency).
4. Oversee production of the ROW Funding Estimate (The RFE replaces the Project Funding Estimate PFE and True Cost Estimate).
5. Provide quality control and quality assurance QA/QC for work products.
6. Establish clear lines of communication with the City in order to determine and document the appropriate decision making process to achieve project goals.
7. Setup and conduct introductory project informational meeting with each of the ten (10) parcels to talk about schedule, the improvements, and potential for ROW acquisition needs.

Client Responsibilities

1. City will provide the Consultant with available project information such as but not limited to the City's State approved ROW procedures, and environmental documentation.
2. Review and approve monthly status reports.
3. Attend project status meetings.
4. Review and approve ROW Plans.

Assumptions

1. Up to one (1) Consultant staff will attend a conference call to discuss RFE development and schedule.
2. Up to two (2) Consultant staff will attend up to ten (10) property owner introductory meetings. Staff time commitment is estimated at three (3) hours per staff and per meeting for preparation, participation in the meeting, and notes.
3. It is anticipated that there will be a maximum of twelve (12) RES status meetings to be held via conference call, with a maximum of two Consultant staff participating in each conference call/meeting. Staff time commitment is estimated at 2 hours per conference call for preparation, participation in the call and notes.
4. All property owner meetings are anticipated to be held at the City, the landowner's property or by video conference.
5. Property acquisition will follow WSDOT requirements for federally funded projects.

Deliverables

1. Monthly status report.
2. Property owner introductory meeting notes. (Included in negotiator's Diary of Right-of-Way Activities).
3. Early landowner contact meetings to determine potential willing sellers and possible land swap areas through right of entry negotiations. (Included in negotiator's Diary of Right-of-Way Activities).

Task 33.2. Title Report Facilitation

Consultant shall coordinate and request title reports for the Ten (10) parcels required to be evaluated with the project.

HDR Services

1. Select the title company which will be used for title report requests and closing/recording of the acquisition documents.
2. Request title reports for project from Title Report Company. This will occur at the beginning of the project to inform design and start ROW plan development.
3. Provide encumbrance risk for up to ten (10) parcels for the City to review.

Client Responsibilities

1. Provide direct payment to the title company of invoices for title reports delivered for the properties identified in the corridor, and any additional title reports needed to complete the project.
2. Review and make determination for clearing of encumbrances.

Assumptions

1. Title Reports will be requested for up to ten (10) parcels.

2. For real estate services the Consultant's title review responsibilities shall be to identify the correct vesting from the title report and inputting that information into the appropriate acquisition documents.
3. Title Report Company will be responsive and deliver title report information in a timely manner.

Deliverables

1. Title Reports on up to ten (10) parcels

Task 33.3. Property Descriptions and Valuations

Consultant shall manage the preparation of an RFE, Administrative Offer Summary (AOS) reports, Appraisals, Legal descriptions and exhibits including acquisitions, permanent and temporary easements for up to ten (10) parcels.

HDR Services

1. Review and quality control (QC) legal descriptions and exhibits for the transfer of the property rights needed for the project, including acquisitions, permanent and temporary easements, for use by the ROW acquisition team.
2. Provide updated ROW Cost estimates at 60% and 90% design.
3. Prepare an appraisal schedule for delivery of the AOS reports, and appraisal reports.
4. Assemble needed appraisal data and appraisal scope for each assigned parcel.
5. Send out landowner contact letters to affected parcels to be appraised in advance of the appraisal.
6. Prepare QC checklist for appraisal reports.
7. Manage the delivery of AOS reports, appraisals, legal descriptions and exhibits.
8. Manage delivery of appraisal reviews if necessary.
9. *Contingency: Prepare an AOS if during the valuation process, the appraiser identifies parcels where an AOS instead of an appraisal will sufficiently provide the determination of value.*

Client Responsibilities

1. Review and approve the legal descriptions and exhibits.
2. Review and approve the AOS reports and appraisal reports.

Assumptions

1. There will be a maximum of ten (10) parcels impacted by this project with up to ten (10) parcel valuations prepared under the following assumptions:
2. There will be a maximum of two (2) ROW cost estimates provided at 60% and 90% design.
3. All valuation services will be performed by a certified independent appraiser to WSDOT LAG manual standards.

4. Acquisition agents and/or Real Estate Lead will attend appraisal inspections, where possible.
5. It is anticipated that the appraisal process will include four (4) complex appraisals, four (4) non-complex appraisals, and two (2) AOS's.
6. Any additional appraisals or additional complex appraisals are not included in this scope of work.
7. Notice to Proceed (NTP) for AOS reports and appraisals will be the date sufficient right of way plans or exhibits are provided with title and landowner contact info to the appraiser. This is scheduled to be after NEPA documents are approved (if applicable) and between the 30% and 60% project design submittals and will occur once the City approves the ROW Plan.
8. NTP for the appraisal reviews will be the day the appraisals are delivered to the reviewer.
9. The anticipated delivery date for all appraisals is up to 90 days from NTP and for all reviews is 45 days from NTP.

Deliverables

1. Updated ROW cost estimate provided at 60% and 90% design phase.
2. Appraisal management schedule.
3. Landowner Contact letters.
4. AOS reports, legal descriptions, exhibits and QC Checklist.
5. Appraisal Reports, Appraisal Reviews and Appraisal QC Checklists.

Task 33.4. Right-of-Way Acquisitions and Negotiations

Consultant shall prepare offer packages, legal descriptions, present offers and negotiate purchases, prepare administrative settlement memos and condemnation packages, and prepare executed documents for agency approval and processing for a maximum of ten (10) parcels. Acquisition files will be transmitted to the City with original documents at the completion of negotiations. Acquisitions may include fee acquisitions, permanent easements and temporary easements.

HDR Services

1. Review ROW plans and survey exhibits and legal descriptions to confirm property interests are appropriately identified and the plans and exhibits match.
2. Prepare and provide documents required for the assigned parcels including Offer Letters, Deeds, Easements, W-9's, Real Property Vouchers, Real Estate Tax Affidavits and Negotiator Diaries.
3. Manage escrow for up to ten (10) parcels and manage closing for up to ten (10) acquisitions.
4. Act as the agent for City in all negotiations.
5. Provide justification in the negotiator's diary for any settlement above the approved offering price.

6. Secure up to ten (10) voluntary possession and use agreements and transmit to the City for further processing.
7. Prepare administrative settlement recommendation memos and condemnation packages for up to ten (10) parcels.
8. Transmit completed files to City at the completion of negotiations.
9. *Contingency: Provide additional negotiation support if negotiations cannot be concluded within 120 days of the offer date on any given parcel or if an appraisal is requested by a landowner of any AOS parcel.*

Client Responsibilities

1. Approve all documents and deed forms to be used by the Consultant.
2. Review and approve all administrative settlements.
3. Make prompt payment to the Escrow Company for all approved acquisitions.
4. Review and approve all transmitted files.
5. Review and approve all transmitted files and documents prepared by Consultant for any required WSDOT right-of-way pre-certification and certification reviews.

Assumptions

1. City shall approve all real estate forms the Consultant will use and those forms which shall be consistent with City acquisition practice.
2. The Consultant shall make the initial offer to purchase and will be delivered in person if possible, or by certified mail.
3. The Consultant shall make a minimum of three good faith attempts at negotiations for each parcel assigned with those attempts being defined as an in-person visit with landowner, a detailed phone conversation or a substantive correspondence or email exchange.
4. If negotiations cannot be concluded within 120 days of the offer date on any given parcel or if an appraisal is requested by a landowner of any AOS parcel then the budget to complete acquisitions on those parcels will be negotiated and amended to this scope of work.
5. Acquisition activities on any given parcel shall be deemed completed if any of the following occurs; a negotiated settlement is reached, the offer is rescinded, the parcel is transmitted for condemnation or the 120 day negotiation period has been exceeded.
6. The Consultant will use the same escrow company that provided the title reports for closing. When the City receives acceptable documents from the Consultant, they will be signed by the City and returned to the Consultant.
7. The Consultant will forward the acceptable closing documents, including encumbrance risk determination to the title/escrow company for processing, recording and closing. The escrow company will be responsible for the preparation and receipt of all signatures for all documents such as Waivers of Compensation, Requests for Partial Re-conveyance, and satisfaction of all liens and encumbrances for each acquisition.
8. The Consultant will transmit completed files at the time or immediately after signed documents are submitted to the City for processing or when a file is returned to City at

completion of negotiations as defined within this scope with any documents or other information needing to be added to the file noted in a checklist at the time of transmittal.

Deliverables

1. Completed acquisition and/or P&U documents.
2. Negotiation services documentation.
3. Administrative Settlement Memos.
4. Process executed acquisition documents.
5. Completed files or condemnation packages.

Task 34. Outreach Materials

Objective

Develop a variety of outreach materials that will support the early and ongoing engagement of the property owners, organizations and interest groups identified in the Public Involvement Plan. Outreach materials will educate a broad range of audiences about the project, provide them with up-to-date information at key project milestones and support the continuous engagement of stakeholders leading up to construction.

HDR Services

1. Attend coordination meetings with the City, up to 10 hours.
2. Review materials produced by EnviroIssues.

EnviroIssues Services

1. Track and update information in the public involvement plan, with minor updates quarterly.
2. Develop and coordinate review of notifications about key project milestones including, email and mail updates, social media posts, media releases, blog updates and web content.
3. Develop and coordinate review of informational materials about the project, including a fact sheet and design/pre-construction project FAQ, and project overview presentation to share with project stakeholders, and project signage to be posted at the project site and nearby locations (such as Perrigo Park).
4. Develop power point for use on City's website; coordinate packaging and survey questions for letsconnectredmond.org.
5. Outreach for Permits and City code updates. Includes posting required paperwork at site, procuring mailing address lists, creating mailers and coordinating mailing for up to six (6) permits and public notice actions.
6. Coordinate materials produced among all the outreach modes.
7. Draft a construction-phase public involvement plan.
8. Attend coordination meetings with the City.
9. *Contingency: Graphic support for City led outreach activities.*

Client Responsibilities

1. Review and provide one set of consolidated comments when reviewing outreach materials.
2. Lead content development for all memos and presentations to City Council, including incorporation of public involvement content from EnviroIssues.
3. Share memos and project updates with City Council.
4. Cover external vendor expenses as needed (e.g., printing, translation services).
5. Coordinate with appropriate City staff to post social media updates and updates to the project and City website.
6. Coordinate with City staff to post informational signage and permit/code notification signage at the project site, if not completed by the vendor.
7. City will be posting up to two 4x8 standard City project signs prior to construction. Coordinate with the City for opportunities for coordinating outreach, for example posting the construction signs during the design period with outreach information.

Assumptions

1. EnviroIssues will work with HDR and the City to review and finalize all outreach materials.
2. EnviroIssues will provide HDR and the City with up to two (2) drafts and one (1) final version of each outreach material.
3. Up to 4 updates to the Public Involvement Plan, with minor revisions, will be made.
4. EnviroIssues will coordinate with external vendors to translate, print and mail materials, as needed.
5. Key outreach materials will be translated into the main languages spoken in the project area; all materials will at a minimum include translated text informing stakeholders how to find project information in their language.
6. All electronic outreach materials will be developed to be accessible to screen-reader programs.
7. Up to 20 hours of coordination time for meetings and/or correspondence for purposes of discussing project matters critical to the development of outreach materials.

Deliverables

1. Updates to the Public Involvement Plan
2. Up to three (3) email updates
3. Up to three (3) social media updates
4. Up to three (3) media releases
5. Up to three (3) blog updates
6. Up to three (3) key project milestone website updates
7. Up to one (1) project overview fact sheet
8. One (1) design/pre-construction FAQ, with up to 2 updates (at 90% and pre-construction milestones)

9. One (1) design/pre-construction project overview presentation (up to 8 slides)
10. Up to two (2) property owner mailers
11. Up to one (2) informational project signs and one (1) poster for use at site and nearby locations
12. Draft Construction Phase Public Involvement Plan

Task 35. Outreach Activities and Events

Objective

Coordination to provide project information and build and maintain relationships with affected property owners, community members, organizations and key interest groups through project design and prior to start of construction. Outreach activities and events will be opportunities for project staff to provide timely updates, answer questions, and gather feedback for use by the project team.

HDR Services

1. Attend coordination meetings with the City, up to 10 hours.
2. Review materials produced by EnviroIssues
3. Prepare materials and support the industrial property owner meetings.
4. *Contingency: Support and attend project groundbreaking event.*

EnviroIssues Services

1. Coordinate with industrial property owners and project staff to share information and discuss design issues and decisions related to their properties; schedule and staff briefings and individual property owner meetings; support documentation and follow-up requests. Service include:
 - A. Coordination support to schedule meetings
 - B. Meeting Agenda
 - C. One (1) staff person to attend meetings
 - D. Meeting notes
 - E. Coordination to support meeting follow-up (up to 1 hour per meeting)
2. *Contingency: Provide support for planning and hosting a project groundbreaking event, including developing an event plan, notifications and day-of materials and supporting coordination with event speakers and other key participants. Services include:*
 - A. *One (1) event plan*
 - B. *Coordination support to identify event speakers*
 - C. *One (1) press release*
 - D. *One (1) save-the-date invitation and one (1) official invitation*
 - E. *One (1) groundbreaking site banner and up to three (3) designed event signs*
 - F. *One (1) day-of logistics plan*
 - G. *Up to three (3) staff to assist with event setup/breakdown and other day-of support*
 - H. *One (1) set of talking points for use in event remarks*

1. One (1) thank you email

3. Attend coordination meetings with the City.

Client Responsibilities

1. Review and provide one set of consolidated, conflict resolved comments when reviewing outreach activity and event materials.
2. Cover external vendor expenses as needed (e.g. cost of interpretation and/or translation services, printing event signage).
3. Lead all planning, logistics and staffing related to public meetings, as well as any additional materials formatting or production for these events.
4. Provide staff to actively participate in outreach activity and event planning and attendance.
5. Respond to outreach activity follow-up requests from project stakeholders in a timely manner.
6. Provide a list of groundbreaking event invitees.
7. Identify speakers to participate in groundbreaking event.

Assumptions

1. EnviroIssues will work closely with HDR and the City to review and finalize outreach activity and event plans and materials.
2. EnviroIssues will provide HDR and the City with up to one (1) draft and one (1) final version of all materials.
3. EnviroIssues will coordinate with external vendors as needed.
4. Interpretation services will be provided on an as needed basis to support outreach activities and events.
5. Industrial property owner meetings will be up to 2 hours in length.
6. Up to 20 hours of coordination time for meetings and/or correspondence for purposes of discussing project matters critical to outreach and event activities.

Deliverables

1. Support for up to fourteen (14) industrial property owner meetings

Task 36. Bid and Award Support

Objective

HDR will assist the City in preparing Bid Documents for the project. This task will include assistance with incorporation of the Final Bid Drawings, Special Provisions, and schedule of values into bidding documents prepared by the City. HDR will review and provide tracked changes suggestions on the City's bidding instructions, contract terms, conditions, and general requirements based to improve overall conformity to project intent and construction approach.

HDR Services

1. Review and modify the City's standard bidding instructions to reflect the requirements of the project. Modifications may include but are not limited to the following:
 - Schedule requirements,
 - Bidder qualifications,
 - Schedule of values and approximate quantities, and
 - Description of work.
2. Review and provide edits on bid notices and announcements.
3. Provide sealed, wet-signed drawings and special provision specifications "Issued for Bid." For City signature, these will be provided as PDF's to be routed in DocuSign.
4. Prepare for and attend pre-bid meeting with potential contractors.
5. Respond to up to six (6) RFIs
6. Prepare up to three (3) Addenda
7. Assist in review of bid submittals relative to conformity with responsiveness criteria established by HDR and the City, perform reference checks for the 2 lowest bidders, assist with recommendation to award
8. Assist with preparation, note taking and attend the pre-construction conference.

Client Responsibilities

1. Provide bidding instructions, bid notices and announcements for review.
2. Prepare agenda, schedule, attend and prepare notes from pre-bid meeting.

Assumptions

1. Up to 32 hours of support will be provided to review City bid documents.
2. Up to 6 hours of support will be provided to review each RFIs.
3. Up to 8 hours of support will be provided to prepare each Addenda.
4. Up to two (2) Consultants will attend the pre-bid meeting. The meeting will be two (2) hours in length.
5. Up to eight (8) hours of support will be provided to review bid submittals.
6. Up to two (2) Consultants will attend the pre-construction conference.

Deliverables

1. Electronic PDF copy of HDR Responses to Bidder RFIs
2. Electronic PDF copies of HDR Addenda
3. Written comments on bidding instructions, bid notices and announcements, bid reviews, reference checks, assistance with recommendation to award
4. Contingency: As bid plans one full size and four half size paper sets, pdf electronic files
5. Contingency: As bid Contract provisions four paper copies, PDF electronic file

Task 37. Optional Services

Objective

To provide services, such as

- Unanticipated tasks identified during the course of the design
- Supporting efforts for work in the existing channel outside of the project area.
- Construction support
- Permit support during and after construction.
- Record drawing preparation
- Post construction monitoring

Services

Services may include the following:

1. The use of an arborist to identify the health of each tree within the project clearing limits. (Task 30.1)
2. Reviewing nearby cleanup site data, conduct sampling and prepare a mitigation and/or monitoring plan for groundwater. (Task 29)
3. Marking the APE in the field to conduct utility locates. (Task 32)
4. Preparation of cultural resources agreement documents (e.g., Memoranda of Agreement). (Task 32)
5. Addressing significant design changes past the completion of the design criteria memorandum. (Task 25)
6. Provide a separate estimate of other items to complete the project, such as estimated post construction monitoring and maintenance costs. (Task 28)
7. Preparation of an AOS if during the valuation process, the appraiser identifies parcels where an AOS instead of an appraisal will sufficiently provide the determination of value. (Task 33.3)
8. Providing additional negotiation support if negotiations cannot be concluded within 120 days of the offer date on any given parcel or if an appraisal is requested by a landowner of any AOS parcel. (Task 33.4)
9. Graphic support for City led outreach activities. (Task 34)
10. Preparing and hosting a groundbreaking event. (Task 35)
11. Support for preparation of grant applications. (Task 22)

Client Responsibilities

1. To approve use of contingency funds and / or additional supplemental agreements.

Assumptions

1. Work will not begin without approval from the City.

Deliverables

1. To be determined based on scopes of optional service work.

Exhibit C-5 (Supplemental No 05)**Consultant Fee Determination**

Project Name: City of Redmond - Evans Creek Relocation
 Project Number: 20020995
 Consultant: HDR Engineering, Inc.

NEGOTIATED HOURLY RATES

Classification	Hours	Total Hourly Rate	Total
Principal In Charge	10	\$330	\$3,300
QA/QC	30	\$330	\$9,900
Sr Technical Engineer		\$320	\$0
Project Manager	963	\$295	\$284,085
Real Estate Agent Manager		\$283	\$0
Financial Analyst Manager		\$276	\$0
Sr Environmental Scientist	12	\$260	\$3,120
Sr Financial Analyst		\$262	\$0
Sr Structural Engineer		\$260	\$0
Lead Design Engineer	536	\$250	\$134,000
Sr Permitting	38	\$235	\$8,930
Sr Transportation Engineer		\$235	\$0
Senior Engineer	103	\$220	\$22,660
Sr Stormwater Engineer		\$227	\$0
Sr Utilities Engineer		\$228	\$0
Senior GIS Analyst		\$221	\$0
Sr Real Estate Agent	204	\$205	\$41,820
Sr Biologist		\$202	\$0
Project Engineer	295	\$200	\$59,000
Stormwater Engineer		\$198	\$0
Transportation Engineer		\$197	\$0
Sr Planner	737	\$180	\$132,660
Sr Project Accountant	166	\$180	\$29,880
Utilities Engineer		\$181	\$0
Sr Landscape Architect	51	\$170	\$8,670
Senior CAD Technician	862	\$160	\$137,920
GIS Analyst		\$149	\$0
Real Estate Agent	250	\$154	\$38,500
Staff Engineer	65	\$141	\$9,165
Biologist	64	\$150	\$9,600
Water Resources Engineer		\$148	\$0
Financial Analyst		\$140	\$0
Planner	184	\$137	\$25,208
Tech Editor	80	\$140	\$11,200
Sr Project Coordinator		\$127	\$0
CAD Technician	812	\$127	\$103,124
Landscape Architect	107	\$121	\$12,947
Structural Engineer		\$122	\$0
EIT	1,187	\$113	\$134,131
Environmental Scientist	28	\$113	\$3,164
Project Accountant		\$113	\$0
ROW Technician	110	\$115	\$12,650
Sr ROW Specialist	250	\$114	\$28,500

Exhibit C-5 (Supplemental No 05)**Consultant Fee Determination**

Project Name: City of Redmond - Evans Creek Relocation
Project Number: 20020995
Consultant: HDR Engineering, Inc.

NEGOTIATED HOURLY RATES

Classification	Hours	Total Hourly Rate	Total
ROW Specialist		\$113	\$0
Project Coordinator	242	\$98	\$23,716
Jr GIS Analyst		\$98	\$0
Total Hours	7,386	Subtotal:	\$1,287,850
REIMBURSABLES			
POV Mileage/mile			\$5,336
Miscellaneous			\$1,750
SH&H Appraisal			\$37,300
Duncan and Associates Appraisal Review			\$12,000
Copies/Page 8.5x11 B&W			\$25
Copies/Page 11x17 B&W			\$47
Bond Plots - B&W (per sq. ft.)			\$56
		Subtotal:	\$56,514
SUBCONSULTANT COSTS			
EnviroIssues			\$61,439
Historical Research Associates, Inc.			\$18,634
WSP			\$9,384
GeoEngineers			\$53,327
		Subtotal:	\$142,784

Total: \$1,487,148

Contingency: \$182,852

GRAND TOTAL: \$1,670,000

Exhibit D1-5 (Supplemental No. 05)

Consultant Fee Determination

Project Name: City of Redmond - Evans Creek Relocation
Project Number: 20020995
Consultant: EnviroIssues

NEGOTIATED HOURLY RATES

Classification	Hours	Total Hourly Rate	Total
Senior Associate		\$205	\$0
Associate III	60	\$163	\$9,780
Associate II	178	\$133	\$23,674
Associate I	128	\$109	\$13,952
Project Coordinator	93	\$94	\$8,742
Graphic Designer III		\$151	\$0
Graphic Designer II	31	\$133	\$4,123
Graphic Designer		\$93	\$0
Intern		\$60	\$0
Total Hours	490	Subtotal:	\$60,271
REIMBURSABLES			
Mileage			\$290
Reproduction (copies, plots, etc.)			\$378
Miscellaneous (mailhouse, translation, etc.)			\$500
		Subtotal:	\$1,168

GRAND TOTAL: \$61,439

Exhibit D2-5 (Supplemental No. 05)

Consultant Fee Determination

Project Name: City of Redmond - Evans Creek Relocation
Project Number: 20020995
Consultant: Historical Research Associates, Inc.

NEGOTIATED HOURLY RATES

Classification	Hours	Total Hourly Rate	Total
Principal Archaeologist	13	\$173	\$2,249
Archaeologist 3	97	\$93	\$9,021
Archaeologist 2		\$90	
Archaeologist 1	54	\$84	\$4,536
Archaeologist 3-GIS Specialist	5	\$101	\$505
Safety Manager	2	\$93	\$186
Editor/Production Assistant	4	\$84	\$336
Administrative Assistant/Production Specialist	4	\$63	\$252
Accounting Assistant	1	\$73	\$73
Office Manager/Clerical	2	\$52	\$104
Project Administrator	2	\$81	\$162
Computer Support	2	\$114	\$228
Total Hours	186	Subtotal:	\$17,652

REIMBURSABLES

Travel - rental car, mileage, bridge tolls	
Reproduction (copies, plots, etc.)	\$16
Miscellaneous	
GPS/Tablet fee	
Utility Locates	\$966
Subtotal:	\$982

GRAND TOTAL: \$18,634

Exhibit D3-5 (Supplemental No. 05)

Consultant Fee Determination

Project Name: City of Redmond - Evans Creek Relocation
Project Number: 20020995
Consultant: WSP

NEGOTIATED HOURLY RATES

Classification	Hours	Total Hourly Rate	Total
Sr Environmental Planner	39	\$196	\$7,644
Project Accountant	8	\$132	\$1,056
Technical Editor	4	\$171	\$684
Total Hours	51	Subtotal:	\$9,384
REIMBURSABLES			
Mileage			\$0
Reproduction (copies, plots, etc.)			\$0
Miscellaneous			\$0
		Subtotal:	\$0

GRAND TOTAL: \$9,384

Exhibit D4-5 (Supplemental No. 05)

Consultant Fee Determination

Project Name: City of Redmond - Evans Creek Relocation
Project Number: 20020995
Consultant: GeoEngineers

NEGOTIATED HOURLY RATES

Classification	Hours	Total Hourly Rate	Total
Principal		\$258	\$0
QC/QA	21	\$258	\$5,418
Associate		\$222	\$0
Senior Engineer 2	82	\$192	\$15,744
Senior Engineers 1		\$164	\$0
Project Engineer 2		\$156	\$0
Project Engineer 1		\$141	\$0
Engineer/Scientist 3	89	\$131	\$11,659
Engineer/Scientist 2		\$122	\$0
Engineer/Scientist 1		\$109	\$0
CAD Design Coordinator		\$142	\$0
CAD Designer	8	\$129	\$1,032
Lead Technician		\$111	\$0
Senior Technician		\$92	\$0
Administrator 3	14	\$141	\$1,974
Total Hours	214	Subtotal:	\$35,827
REIMBURSABLES			
Subcontracted Drilling			
Laboratory Testing			\$2,000
Vehicle Milage			
Field Equipment			
Subcontracted Utility Locate			\$500
Subsurface Explorations			\$15,000
		Subtotal:	\$17,500

GRAND TOTAL: \$53,327