



Fee Proposal Amendment #3

TASK FORM

WORK ORDER NUMBER: 1203900	PROJECT NAME: Bowers Field Airport & Industrial Park
CLIENT: Kittitas County	ATB Overlay
ADDRESS: 411 N. Ruby, Suite 1	
CITY: Ellensburg	STATE: WA ZIP CODE: 98926
PHONE: 509-962-7523	FAX:
CLIENT CONTACT: Kirk Holmes, Director of Public Works	E-MAIL: kirk.holmes@co.kittitas.wa.us
LEGAL OWNER: Kittitas County	LEGAL DESCRIPTION: Bowers Field Airport
DESCRIPTION OF WORK: <p>Working in conjunction with County Public Works Staff, USKH has developed design documents for Bowers Field Airport and the overall Bowers Field Airport Industrial Park, consisting of water, gravity sewer, pressurized sewer, lift station, drainage, roads, curb and gutter, sidewalks, pathways, and other associated infrastructure. Due to funding limitations, only portions of the utility infrastructure were constructed. Until additional funding is secured, the County desires to place hard surfacing on portions of certain roadways to protect the road and utilities, while providing a level of service to the existing Industrial Park tenants. The roadway is proposed to be 24' wide and will include 2' gravel shoulders on both sides. Costs for asphalt treated base course (ATB) and hot-mix asphalt (HMA) will be evaluated during design in order to establish the appropriate surfacing to match available funds for the project. The roadways that will be treated include Elmview Road between Airport Road and Piper Road; Cessna Road between Bower Road and Elmview Road; Piper Road between Bower Road and Elmview Road; and approximately 1,600 linear feet on Bowers Road.</p> <p>Please refer to the attached Exhibit "A" Scope of Work.</p>	
COST OF WORK:	
LUMP SUM \$24,050.00	TIME and MATERIALS (with estimated maximum) (Not to exceed, without approval)
PROJECT COMPLETION DATE: Summer/Fall 2011	
I/We (herein "Client") have read the foregoing work order including the terms and conditions. Said order is in all respects correct and reflects the understanding of the parties and I/We agree to be bound thereby. By signing below, each Client agrees and acknowledges that he is jointly and severally bound to the terms of this Agreement.	
DATE: 9/14, 2011	DATE: September 20, 2011
COMPANY: Kittitas County	COMPANY: Kittitas County
SIGNATURE: K-Hol	BY: [Signature]
NAME & TITLE: Kirk Holmes, Director of Public Works	TITLE: Board Chair
DATE: August 15, 2011	USKH STANDARD BILLING RATES
USKH Inc.	ATTACHED: YES _____ NO <u>x</u>
SIGNATURE: [Signature]	OTHER ATTACHMENTS: YES <u>x</u> NO _____
NAME & TITLE: Jeffrey Logan, P.E., Principal	NOTES: This project will abide by all contractual agreements approved under the USKH Term Contract for Professional Services, approved by the airport on January 14, 2010.

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|--|--|---|---|
| <input type="checkbox"/> 2515 A Street | <input type="checkbox"/> Anchorage, Alaska 99503 | <input type="checkbox"/> Phone (907) 276-4245 | <input type="checkbox"/> Fax (907) 258-4653 |
| <input type="checkbox"/> 544 4th Avenue, Suite 102 | <input type="checkbox"/> Fairbanks, Alaska 99701 | <input type="checkbox"/> Phone (907) 452-2128 | <input type="checkbox"/> Fax (907) 452-4225 |
| <input type="checkbox"/> 3031 Clinton Drive, Suite 200 | <input type="checkbox"/> Juneau, Alaska 99801 | <input type="checkbox"/> Phone (907) 790-2901 | <input type="checkbox"/> Fax (907) 790-3901 |
| <input type="checkbox"/> 351 W. Parks Highway, Suite 200 | <input type="checkbox"/> Wasilla, Alaska 99654 | <input type="checkbox"/> Phone (907) 376-7815 | <input type="checkbox"/> Fax (907) 376-7819 |
| <input checked="" type="checkbox"/> 621 W. Mallon, Suite 309 | <input type="checkbox"/> Spokane, Washington 99201 | <input type="checkbox"/> Phone (509) 328-5139 | <input type="checkbox"/> Fax (509) 328-0423 |
| <input type="checkbox"/> 2376 Main Street, Suite 2 | <input type="checkbox"/> Ferndale, Washington 98248 | <input type="checkbox"/> Phone (360) 312-1815 | <input type="checkbox"/> Fax (360) 312-0124 |
| <input type="checkbox"/> 5 North Colville Street | <input type="checkbox"/> Walla Walla, Washington 99362 | <input type="checkbox"/> Phone (509) 522-4843 | <input type="checkbox"/> Fax (509) 522-1902 |



FEE PROPOSAL AMENDMENT #3

EXHIBIT "A" - SCOPE OF WORK

Engineering and Support Services for Overlay Improvements
Bowers Field Airport & Industrial Area
Public Works Department, Kittitas County
Ellensburg, Washington

Specific Description of Services

The work will include the following tasks:

Task 1 – Preliminary Design, Cost Analysis, and Scheduling

Task 2 – Final Planning and Design

Task 3 – Direct Expenses

Task 4 – Other Services (not included in contract)

- Supplemental Geotechnical Analysis of Roadway Section
- Survey as-built of Existing Utilities
- Pre-bid and Bid Opening Attendance

TASK 1: PRELIMINARY DESIGN, COST ANALYSIS, AND SCHEDULING

- 1.1. USKH will coordinate final project scope elements, approach, and schedules with the County.
- 1.2. It is anticipated that this project will receive contract approval by the County in mid-August. USKH will commence work following this approval and will coordinate with the County during the pre-design meeting to develop an overall project schedule and approach. The schedule will incorporate planning, designing, bidding, construction, and critical milestones.
- 1.3. Preliminary cost analysis for roadway surfacing is to be evaluated in Task 1. USKH will perform costs analysis for each option and will coordinate with the county which option will fit the project needs and available funding. Overall area of surfacing will be established and the desired depth of surfacing will be coordinated with county personnel.
- 1.4. Surfacing options will include:
 - 1.4.1. Asphalt Treated Base (ATB)
 - 1.4.2. Hot-Mix Asphalt (HMA)
- 1.5. One trip is anticipated for travel time required from Consultants office to Ellensburg for performance of above tasks.



TASK 2: FINAL PLANNING AND DESIGN

Final planning and design (90% submittal and 100% submittal) will include plans of the overall roadway improvements for Elmview, Cessna, Piper, and Bowers based on the preferred roadway section established in Task 1. Documents will include plans, specifications, and estimates of probable construction cost. USKH will provide professional engineering services to design the project in accordance with County design criteria and local and national codes. A licensed professional engineer in the state of Washington will stamp drawings and design reports. Plans will be prepared using AutoCAD and Civil 3D software. The project plans and all related documents will be completed in English Units.

- 2.1. The county will provide asbuilt survey information of existing utilities in the project limits prior to USKH commencing final design. Survey information to be provided in the same horizontal and vertical control utilized in Phase 1.
- 2.2. Roadway plans, profiles, sections, and details will be prepared, based on the proposed cross section decided upon by the County. Drawings will include detail views at intersections and transitional areas with corresponding alignments and profiles. Detailed spot elevations for grade control will be included in any pavement transition areas.
 - 2.2.1. The roadway section will be 24' wide with 2' wide gravel shoulders, and will utilize road section type and depth established in Task 1.
 - 2.2.2. The roadway plans and specifications developed as part of the Bowers Field Airport & Industrial Park Utility and Infrastructure Improvement Project will be used as the basis for this project. Road profiles will be redesigned to minimize grading impacts to the project.
 - 2.2.3. It is understood that the proposed surfacing will be an interim roadway until the funds become available and the final full pavement widths of the industrial park can be realized.
- 2.3. Utility plans (water and sewer) will be prepared as needed. These plans will be limited to adjustments of existing utility structures to match the new surface elevation if required.
- 2.4. Final plans will incorporate designated access points, staging areas, temporary street closures, and erosion control.
- 2.5. Prepare a construction schedule with critical milestones identified (commencement, substantial completion, physical completion, closeout, etc).
- 2.6. USKH will prepare a preliminary estimate of overall construction costs. These costs will be evaluated to determine an appropriate phasing for construction if required.
- 2.7. USKH will coordinate a meeting with the County to review, discuss, and respond to comments received on a 90% design submittal. Based on this coordination meeting, USKH will revise and implement the revisions into a final 100% design submittal for the project. USKH will provide written responses to the review comments explaining the action taken on each comment and the rationale for the action. The county will be given additional time to comment on final design submittal prior to advertising for bid. USKH will address comments as needed to prepare final bid documentation.



- 2.8. USKH will obtain the County's and other regulatory approvals of the elements in the design, which require such approvals and/or permits. Electronic copies of all computer generated drawings and specifications will be provided to the County upon request.
- 2.9. Provide the County with three (3) complete sets of Final Design Documents to include: design plans, technical specifications and contract documents; and a construction cost estimate based on the final plan bid quantities. Additional copies of the plans and specifications will be provided to the county upon request.
- 2.10. Assist the County in preparing a Bid Advertisement, Instructions to Bidders, Bid Schedules, Agreement, and Bond Forms, Pre-bidding meetings, Bid opening, Bid tabulations, Recommendation to Award letter, Notice of Intent to Award letter, and other Contract Documents required during the duration of the bidding process. As directed, USKH will not be attending pre-bid meetings and the bid opening; county personnel will be handling all construction administration. These services can be included upon request, refer to Task 4.
- 2.11. One trip is anticipated for travel time required from Consultant's office to Ellensburg for performance of the above tasks, which will be for the design review of the 90% submittal.

TASK 3- DIRECT EXPENSES

This task will include direct expenses required to complete the project such as reproduction of plans and specifications, online bidding fees, shipping, mileage, etc.

TASK 4- OTHER SERVICES (Not Included in Contract)

Other services associated with this project may be requested and included to assist the County; these services and associated costs are not included in the fee proposal provided at this time.

- 4.1. Complete additional Geotechnical Evaluation of the proposed roadway section.
 - 4.1.1. The current plan is to have an interim surface that would ultimately be removed once the full roadway is constructed. Therefore, it is understood the roadway section will not be at full final design strength. Geotechnical evaluation of the proposed roadway section can be provided upon request.
 - 4.1.2. If an ATB section is chosen for design in Task 1, this additional geotechnical evaluation would determine the impact of the surfacing on the final design roadway section.
 - 4.1.3. Using the revised roadway design section, an alternative roadway design would be considered that would preserve the investment of the ATB by incorporating the interim ATB section into the final roadway design, instead of the planned removal of ATB for future paving.
 - 4.1.4. Provide plan and profiles for installing the interim ATB at the correct horizontal location and vertical elevation for future paving.

- 4.1.5. Additional roadway grading would be required to assure that the ATB surface is at the correct vertical elevation and horizontal location. Project cost impacts would need to be analyzed to verify the financial viability of this strategy.
- 4.1.6. The ATB elevation would be set so that it would allow the final asphalt lift on the final roadway design, and it would extend over the entire roadway to cover any ATB seam.
- 4.1.7. For accurate quantity takeoffs for this strategy, additional asbuilt survey information of the gravel installed in Phase 1 would need to be provided by the county or third party surveying firm.
- 4.2. USKH understands due to project time restraints on the county personnel may make asbuilding the existing utilities within the project limits a challenge. In addition, for accurate final grading quantities, surveying the existing gravel road surface within the project limits is recommended. Upon request, USKH can provide these services or can coordinate with a third party surveying firm to provide these services.
- 4.3. To limit the trip costs to the county, USKH has removed pre-bid and bid opening attendance from our scope of work. These additional services and the meeting attendance can be included upon the county's request.