



City of Homer

www.cityofhomer-ak.gov

Public Works

3575 Heath Street
Homer, AK 99603

publicworks@cityofhomer-ak.gov

(p) 907- 235-3170

(f) 907-235-3145

Memorandum 22-106

TO: City Council

THROUGH: Rob Dumouchel, City Manager

FROM: Janette Keiser, PE, Director of Public Works

DATE: June 1, 2022

SUBJECT: Task Orders for Engineering Services for Pavement Restoration Projects

I. Issue: The purpose of this Memorandum is to recommend award of Task Orders for engineering services for Pavement Restoration projects.

II. Background:

Ordinance 22-26 appropriated \$500,000 to the Pavement Restoration Program. We’ve reassessed the City’s paved roads, identified the most pressing needs, and developed a schedule of improvements. (See attached spreadsheet.) Most of the projects require design or other preparatory work, which is extensive enough that it is unlikely we can design and construct the projects in the same year. Our implementation strategy is to do the preparatory work for a road project in Year 1 and construct the improvements in Year 2.

We have issued Term Contracts, pursuant to Resolution 22-038, to a number of engineering firms capable of performing the design work for the subject projects. As you may recall, work for a particular project is authorized by issuing Task Orders for that project. We requested proposals for the necessary design work from multiple engineering firms. The engineering firms were directed to use local surveying firms, even if the firms had their own in-house survey teams, which a number of the Anchorage-based firms do. The estimated level of effort includes the projected survey costs.

Firm assigned	Project	Estimated cost
• Kinney Engineering	Bay Avenue/B. Street/E. Street	\$69,925
• HDL Engineering	Grind & Pave Specifications	\$8,680
• Nelson Engineering	Ohlson Lane/Bunnell Ave	\$55,518
• HDL Engineering	Island View Court	\$69,320

III. Recommendations

That the City Council award Task Orders to the engineering firms listed above.

PRICE PER TASK SUMMARY

FIRM: Kinney Engineering, LLC	PROJECT TITLE: Bay Ave / B St / E St Rehab	DATE: 5/30/22
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GROUP	TASK	TASK NAME	LABOR (or FP)	EXPENSES	TOTAL COST	FIRM'S TOTAL PRICE	*SUB-CONTRACTS	PRICE PLUS SUBS
A	1	Survey	\$ 1,930.00	\$ 105.00	\$ 2,035.00	\$ 2,035.00	\$8,190	\$ 10,225.00
A	2	35% Plans, Memos and Cost Estimate	\$ 25,905.00	\$ 105.00	\$ 26,010.00	\$ 26,010.00	\$ -	\$ 26,010.00
A	3	100% Plans, Cost Estimate and Technical Specifications	\$ 33,585.00	\$ 105.00	\$ 33,690.00	\$ 33,690.00	\$ -	\$ 33,690.00

*Subcontractors for negotiated professional or technical services, products, etc. (Commodity items available to the general public at market prices, equipment use, and unit priced items are generally included in estimate as expenses.)
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ESTIMATED TOTALS			LABOR (or FP)	EXPENSES	TOTAL COST	FIRM'S TOTAL PRICE	*SUB-CONTRACTS	PRICE PLUS SUBS
FOR FIRM:			\$ 61,420.00	\$ 315.00	\$ 61,735.00	\$ 61,735.00	\$ 8,190.00	\$ 69,925.00

COST ESTIMATE PER TASK

FIRM: Kinney Engineering, LLC		PROJECT TITLE: Bay Ave / B St / E St Rehab			
TASK NO: 1	TASK DESCRIPTION: Survey				DATE: 30-May-22
GROUP: A	METHOD OF PAYMENT: <input type="checkbox"/> FF <input type="checkbox"/> T& <input checked="" type="checkbox"/> CPFF <input type="checkbox"/>		PREPARED BY: Leon Galbraith / Randy Kinney		

SUB-TASK NO.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION													
		Princ. Eng. (Kinney)	Senior Professional Engineer 1 (Galbraith)	Engineering Intern EI /EIT-Senior	CADD Technician - Jr										
1.1	Survey	2	4		8										
TOTAL LABOR HOURS		2	4	0	8	0	0	0	0	0	0	0	0	0	0
* LABOR RATES (\$/HR)		\$245.00	\$170.00	\$115.00	\$95.00										
LABOR COSTS (\$)		\$490.00	\$680.00	\$0.00	\$760.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

EXPENSES					TOTAL PRICE	COMMENTS:
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE		
	Printing and Publishing Costs	1	\$100.00	\$100.00	KE Time to review and cleanup sub's survey CAD files. 	
	Round Trip Airfare (1 for PM, 1 for Geotech, 1 for Sr Env Analyst, 1 for Env Analyst)	0	\$400.00	\$0.00		
	Rental Car (1 days for Geotech, 1day for P.I., 1 day for Wetlands)	0	\$100.00	\$0.00		
	Parking at ANC	0	\$25.00	\$0.00		
	Test Pit / Backhoe per hour	0	\$200.00	\$0.00		
	Soil Testing	0	\$2,000.00	\$0.00		
				\$0.00		
TOTAL EXPENSES:				\$100	FIRM'S TOTAL COST OF LABOR (or Fixed Price):	\$1,930
					IF CPFF, TOTAL INDIRECT COST @	0.00%
					FIRM'S TOTAL EXPENSES + 5% Markup:	\$105
SUB-CONTRACTORS: Firm Initials and Price Per Task					FIRM'S TOTAL COST (no Subcontracts or Fee)	\$2,035
FIRM:	Surveys					
AMOUNT:	\$7,800				TOTAL SUBCONTRACTOR PRICES +5% Markup:	\$8,190

COST ESTIMATE PER TASK

FIRM: Kinney Engineering, LLC				PROJECT TITLE: Bay Ave / B St / E St Rehab										
TASK NO: 2	TASK DESCRIPTION: 35% Plans, Memos and Cost Estimate									DATE: 30-May-22				
GROUP: A	METHOD OF PAYMENT: FF <input type="checkbox"/> FP <input type="checkbox"/> T&V <input type="checkbox"/> CPFF <input type="checkbox"/>				PREPARED BY: Leon Galbraith/ Randy Kinney									
SUB-TASK NO.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION												
		Princ. Eng. (Kinney)	Senior Professional Engineer 1 (Galbraith)	Engineering Intern EI/EIT-Senior	CADD Technician - Jr									
2.0	35% Plans, Memos and Cost Estimate	4.00												
2.1	Drawings 18 sheets total													
	Cover Sheet, 1 sheet		1	1	4									
	Key Map, 1 sheet	Not in 35% Submittal												
	Legend / Abbreviations, 1 sheet	Not in 35% Submittal												
	Notes, 1 sheet	Not in 35% Submittal												
	Estimate of Quantities, 1 sheet	Not in 35% Submittal												
	Pay Item Summary Tables, 2 sheets	Not in 35% Submittal												
	Typical Sections, 1 sheet		4	8	12									
	Roadway Plan & Profile, 5 sheets		16	40	64									
	Sign Summary, 1 sheet	Not in 35% Submittal												
	Intersection / Approach Typ Plans 1 sheet	Not in 35% Submittal												
	Review Std. Dwgs, Determine Applicability	Not in 35% Submittal												
	Additional Road / Drainage Details 2 sheets	Not in 35% Submittal												
	Lift Station Access Lid Detail 1 sheet		4	12	12									
2.2	Memorandum													
	Drainage condition review & design recommendations		2	8	4									
	Pavement section design recommendation		2	6	2									
2.3	Specifications	Not in 35% Submittal												
2.4	Cost Estimates		4	12										
TOTAL LABOR HOURS		4	33	87	98	0	0	0	0	0	0	0	0	
* LABOR RATES (\$/HR)		\$245.00	\$170.00	\$115.00	\$95.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
LABOR COSTS (\$)		\$980.00	\$5,610.00	\$10,005.00	\$9,310.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EXPENSES														
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE	COMMENTS: 1. Project Length = 2,200'. All Plan views will be 1"=40' on 11 x 17 sheet size to keep plan views at approximately 450' per sheet. 2. Drainage improvements include ditches and cross culverts 3. No ADEC permitting included.									
	Misc Costs	1	\$100.00	\$100.00										
				\$0.00										
				\$0.00										
				\$0.00										
				\$0.00										
				\$0.00	FIRM'S TOTAL COST OF LABOR (or Fixed Price): \$25,905 IF CPFF, TOTAL INDIRECT COST @ 0.00%: \$0									
				\$0.00										
TOTAL EXPENSES:				\$100	FIRM'S TOTAL EXPENSES + 5% Markup: \$105									
SUB-CONTRACTORS: Firm Initials and Price Per Task											FIRM'S TOTAL COST (no Subcontracts or Fee)			\$26,010
FIRM:														
AMOUNT:					TOTAL SUBCONTRACTOR PRICES +5% Markup:									\$0

COST ESTIMATE PER TASK

FIRM: Kinney Engineering, LLC				PROJECT TITLE: Bay Ave / B St / E St Rehab									
TASK NO: 3		TASK DESCRIPTION: 100% Plans, Cost Estimate and Technical Specifications								DATE: 5/30/22			
GROUP: A		METHOD OF PAYMENT: FP <input type="checkbox"/> FPPF <input type="checkbox"/> T&E <input checked="" type="checkbox"/> CPFF <input type="checkbox"/>				PREPARED BY: Leon Galbraith, Randy Kinney							
SUB-TASK NO.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION											
		Princ. Eng. (Kinney)	Senior Professional Engineer 1 (Galbraith)	Engineering Intern EI/EIT-Senior	CADD Technician - Jr	0	0	0	0	0	0		
3.0	100% Plans, Cost Estimate and Technical Specifications	4											
3.1	Design team review meeting & address 35% comments	1	4	4									
3.1	Drawings 18 sheets total												
	Cover Sheet, 1 sheet		1	1	1								
	Key Map, 1 sheet		1	2	4								
	Legend / Abbreviations, 1 sheet		1	2	4								
	Notes, 1 sheet		2	2	4								
	Estimate of Quantities, 1 sheet		2	4	4								
	Pay Item Summary Tables, 2 sheets		2	4	4								
	Typical Sections, 1 sheet		2	4	4								
	Roadway Plan & Profile, 5 sheets		8	16	24								
	Sign Summary, 1 sheet		2	4	4								
	Intersection / Approach Typ Plans 1 sheet		4	12	16								
	Review Std. Dwgs, Determine Applicability		4	6									
	Additional Road / Drainage Details 2 sheets		2	8	12								
	Lift Station Access Lid Detail 1 sheet		2	4	4								
3.3	DOT ROW Approach Permit(s)		2	4	4								
3.4	QA / QC Review & address comments	8	4	8	8								
3.5	Technical Specifications		12										
3.6	Cost Estimates		4	12									
TOTAL LABOR HOURS		13	59	97	97	0	0	0	0	0	0	0	0
* LABOR RATES (\$/HR)		\$245.00	\$170.00	\$115.00	\$95.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LABOR COSTS (\$)		\$3,185.00	\$10,030.00	\$11,155.00	\$9,215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES													
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE	COMMENTS:								
	Misc Costs	1	\$100.00	\$100.00									
				\$0.00									
				\$0.00									
				\$0.00									
				\$0.00									
				\$0.00									
TOTAL EXPENSES:				\$100	FIRM'S TOTAL COST OF LABOR (or Fixed Price): \$33,585								
					IF CPFF, TOTAL INDIRECT COST @ 0.00% \$0								
					FIRM'S TOTAL EXPENSES + 5% Markup: \$105								
SUB-CONTRACTORS: Firm Initials and Price Per Task					FIRM'S TOTAL COST (no Subcontracts or Fee) \$33,690								
FIRM:													
AMOUNT:					TOTAL SUBCONTRACTOR PRICES +5% Markup: \$0								

May 31, 2022

Janette Keiser, PE
Director of Public Works
City of Homer
3575 Heath Street
Homer, AK 99603

Subject: Design Fee Proposal
Pavement Restoration – Grind and Pave Specification

As requested, HDL Engineering Consultants, LLC (HDL) has prepared a fee proposal to develop a standard specification for grind and pave applications of pavement restoration projects.

Scope of Services

Standard Specification Development

HDL's engineering design staff will research existing Department of Transportation and Public Facilities (DOT&PF) and other agency specification for grinding and paving asphalt and review existing COH asphalt removal and replacement specifications. Upon identifying potential specifications, our team will begin developing a specification that coordinates the necessary items and is consistent with existing COH specification format and style. Additionally, we will review existing construction costs to develop a range of potential costs to complete grind and pave by specific types of units. After preparing the first draft of the specification, we will submit the draft documents for review by COH personnel. Submittals will be digital in PDF and Word documentation. A meeting will be held virtually with COH personnel to discuss any substantive comments.

Basic Assumptions

The following basic assumptions were used to prepare this estimate:

- This task doesn't include design documentation.
- No site visits are required.
- COH will provide current specifications and bidding information for HDL to format new specs similarly.

Civil
Engineering

Geotechnical
Engineering

Transportation
Engineering

Aviation
Engineering

W/WW
Engineering

Environmental
Services

Surveying &
Mapping

Construction
Administration

Material
Testing

Schedule

Upon Notice to Proceed, HDL will begin researching grind and pave specifications for COH specification development. Our team will develop and submit the draft grind and pave specifications within 30 business days of receiving NTP.

Fee

HDL will provide the aforementioned basic services on a time and expenses basis at our contract hourly rates for an estimated fee of \$8,680. See the attached fee estimate.

We appreciate the opportunity to provide this proposal and look forward to assisting the COH on this project. If you have any questions, please contact me at 564-2136.

Sincerely,

HDL Engineering Consultants, LLC



Nick M. Oliveira, PE, PTOE

Principal Civil Engineer/Project Manager

e: noliveira@HDLalaska.com | o: 907.564.2120 | d: 907.382.7656

Attach: Fee Estimate Spreadsheet (1 Page)

Project: Pavement Restoration - Grind and Pave Specification Design

PERSONNEL DESCRIPTION	Principal Eng	Civil Engr	Eng Ast	Drafter	Expenses	Subconsultant
E-Codes	E30	E21	E15	E14		
TASK DESCRIPTION						
Project Management/Coordination	2					
Research Agency Specifications		2	4			
Compile and Develop COH Spec		8				
Develop Standard Details		4	8	8		
Develop Cost Estimating System		4	8			
Compile into Memorandum Format		2	2			
QA/QC Review	4					
Specification Review Meeting	2	2				
Final Documentation		4	4	2		
*ADD ALTERNATE						
Total Hours	8	26	26	10		
Basic Hours	8	26	26	10		
ADD ALTERNATE						
BILLING RATE	\$180.00	\$135.00	\$105.00	\$100.00	1.10	1.10
Basic Services	\$1,440.00	\$3,510.00	\$2,730.00	\$1,000.00		
* Add Alternate						
	Basic		*Add Alternate			
LABOR	\$8,680					
SUBCONSULTANT						
Expenses						
TOTAL COST	\$8,680					



CONSULTING ENGINEERS
155 BIDARKA STREET
(907) 283-3583

STRUCTURAL CIVIL
KENAI, ALASKA 99611

June 6th 2022
Janette Keiser, PE, Public Works Director
3575 Heath Street
Homer, Alaska 99603

RE: Task Order 22-01 Ohlson Ln and W. Bunnell Ave Repaving- Fee Proposal.

Dear Ms. Keiser,

I have prepared the attached fee proposal for the Ohlson Ln and W. Bunnell Ave. repaving project for your review. Our fee includes estimates for a field survey and a geotechnical investigation. It is assumed that there will be some removal and replacement of the pavement subbase. The roads to be designed include:

- > Ohlson from Sterling Highway to W. Bunnell Ave. at the south end., 950 ft +/-
- > W. Bunnell Ave. from Ohlson Ln to Main St. 450' +/-

Road Section

The road improvement project will consist of excavating and importing gravel and pavement as required to provide a typical structural section that conforms to the City of Homer's standard. It is the City's intent that a concrete curb and asphalt sidewalk be placed on at least one side of the roadway to allow for safe pedestrian access. We will work with you to determine the amount and placement of sidewalk that is desired based on the project budget. We will also design ADA ramps from the street to the sidewalks.

Storm Drainage

Drainage along W. Bunnell will be directed to an existing storm drain on the North side of the road. We will investigate potential storm water improvements such as adding curb inlets on the south side of Bunnell that would tie into the existing storm drain.

Surface runoff on Ohlson will be directed to ditches or curbs along both sides of the street. Runoff from Ohlson Road ditches will be directed to existing storm drain system along W. Bunnell. The south end of Ohlson Dr does not have a clear route for stormwater. We will evaluate options to gather and convey stormwater from this section of road.

Water/Sewer Improvements

We will provide details for adjustments of water valve boxes and sewer manholes as required for the new road grades. Additional work related to modifying water/sewer services, or water/sewer mains will be addressed in a task order modification if required.

Permitting Efforts

We will coordinate with ADOT regarding the approach to the Sterling Highway, and the connection at Main St. An approach permit will be required at both locations. I have assumed that no other permitting efforts will be required for either wetlands or drainage.

Construction Phase Services

I would be glad to provide a separate proposal if you would like to have us provide construction phase inspection services.

Submittals and Deliverables

Preliminary Plans will be submitted on 11x17 sheets and will include the proposed grades/vertical alignment and typical details. The plans will consist of base maps on 11x17 plan and profile sheets at 1"=100' scale. The horizontal and vertical alignment for the proposed improvements will be indicated. We will include a cost estimate for the preliminary design. The plans will be approximately 35% complete.

The Final Plans will be bid ready and will be submitted on both 11x17 and 22x34 formats. 22x34 format will be at 1"=50' horizontal scale. We will include a cost estimate with the final design package.

As-built drawings will be submitted on either 22x34 or 24x36 Mylar and/or pdf format, whichever the City prefers.

Fee

I propose a time and expenses fee with a not to exceed total of \$55,518.00 for design. This includes an estimate of \$5000 for Survey. A spreadsheet depicting how my fee was determined is attached for your use.

Billing

We will bill you monthly based on the percent complete.

Schedule

An exact schedule has not been set however; I understand that the City would like to bid the work this winter, for construction next spring.

Here is a proposed schedule:

Notice to Proceed	June 15 th 2022
Survey & Test Holes	July 2022
35% Submittal	October 2022
95% Submittal	November 2022
100% Design complete/submittal	December 2022
Bid Advertised	January 2023
Bids Open	February 2023
Construction NTP	March 2023
Paving Complete	July 2023

Sincerely,



Matthew Dura, PE

City of Homer							
Ohlson and W Bunnell Repaving							
Nelson Engineering, PC							
Task	Principal	PE	EIT	Cadd	Clerical	Expense	Description
Rate/hr	\$165	\$147	\$115	\$105	\$70		
Phase 1 - Conceptual Design						\$20,487	
Review Existing Information		2	2				
Obtain Asbuilts (Water/Sewer/Storm)			2				
Site Visit		4	4				
Meet with City	1	2					
Geotechnical Investigation	1	4	12			\$9,480	Discovery Drilling
Site Survey	1					\$5,000	Estimate
Phase 2 - Preliminary Design						\$16,598	
Title sheet/Control/Index			2				
Plan & Profile (3 shts)	0.5	8	24				
Details	0.5	8	16				
Coordinate Utility Conflicts		2	8				
Storm Sewer/Drainage		8	16				
Driveways		2	8				
Culverts		2	8				
Preliminary Specifications	0.5	2	8				
Preliminary Cost Estimate	0.5	2	8				
Phase 3 - Final Design						\$18,433	
Meet w/City-Review	2	2					
Finalize Plan & Profile	0.5	2	16				
Details	0.5	8	24				
Storm Sewer/Drainage		8	16				
Quantity Calcs		2	8				
Final Specifications	0.5	8	8				
Final Cost Estimate	0.5	4	8				
ADOT/Approach Permits		16	8				
Printing						\$275	
Phase 4 Construction Phase						\$0	
Construction Administration							
						\$14,755	Subtotal Expenses
						\$1,476	Markup on Expenses
	9	96	206	0	0	\$16,231	Total Expenses
Fee	\$1,485	\$14,112	\$23,690	\$0	\$0	\$39,287	Total Fee
Total:						\$55,518	Total Fee+Expen.



Map title goes here.



Legend

- Mileposts
- City Limits
- Highways
- Major Roads
- Roads**
- Town Medium Volume
- Town Low/Seasonal; Other
- Proposed
- Parcels



Notes

Enter map notes here.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. Do not use for navigation.

DATE PRINTED: 6/6/2022



P.O. Box 111165
Anchorage, Alaska 99511
(907) 344-6431
Fax (866) 901-3499

June 6, 2022

Quote #22-251

Matthew Dura P.E., S.E.
Nelson Engineering P.C.
155 Bidarka Street
Kenai, AK 99611

Discovery Drilling Inc. is pleased to submit this cost estimate for Geotechnical Drilling Services in Homer, Alaska. We plan to field a Geoprobe 7822DT or truck-mounted CME-75 operated by a two-man crew to complete this work.

Discovery Drilling understands the scope of work to be as follows:

- Mobilize/demobilize drill, equipment, & crew to site.
- Drill, sample, and backfill (8) soil borings to approximately 6' each, collecting split spoon samples at standard geotechnical intervals. Assume hollow stem auger work.
- Asphalt will need to be cut and patched for (6) of the holes.
- It is understood that the locations of the borings are on low speed/traffic roads and Discovery setting up signs/cones will be an appropriate amount of traffic control.

Discovery Drilling assumes the following regarding this work:

- Utilities will be located and marked as necessary by others.
- No wage requirements apply to this work.
- Any required Right of Way permits will be acquired by others.

Mobilization/Demobilization of drill, equipment, & crew to site – LS:	\$4,200
Geotechnical Drilling Services – estimate 1 day @ \$5,100/day:	\$5,100
Asphalt cut & patch materials – estimate 6 @ \$30/ea:	\$180
Estimated Project Total:	\$9,480.00

We look forward to working with you on this project; please call with any questions you may have.

Sincerely,

DJ Wardwell
General Manager
Discovery Drilling Inc.

June 6, 2022

Janette Keiser, PE
Director of Public Works
City of Homer
3575 Heath Street
Homer, AK 99603

Subject: Design Fee Proposal
Pavement Restoration – Island View Court

As requested, HDL Engineering Consultants, LLC (HDL) has prepared a fee proposal to provide design services for the Island View Court Pavement Restoration project that includes a large culvert replacement within the corridor. The project will include survey and design.

Scope of Services

Topographic Survey & Coordination

HDL's engineering design staff will perform a site visit to evaluate and inventory site features within the Island View Court corridor. The evaluations and inventory will include signs, drainage facilities, above ground utilities, and other features that may affect the design. After performing the evaluations and inventory, our team will coordinate the survey effort with Geovera, LLC to collect topographic, Right-of-Way (ROW), and utility features necessary to provide a complete design for the project. For more information regarding the survey, see Geovera's fee proposal.

Task 2 – Design.

HDL will prepare design documents for the proposed pavement and drainage improvements on Island View Court. The design improvements will consist of improving the roadway asphalt throughout Island View Court along with driveway culverts and a 36-inch cross culvert that is structurally deficient. Improvements may also include signage improvements. HDL will also review potential Traffic Control alternatives with the COH to determine how to provide acceptable access to the residents during construction of the large culvert crossing.

HDL will develop and submit the 35% and Final (100% complete) PS&E documents for review and use by COH personnel. Submittals will include digital half-size plan sets; specifications (in COH Format); and engineer's estimate using COH standard bid items. At each milestone deliverable (35% and Final PS&E), a meeting will be held virtually with COH personnel to discuss any substantive comments.

Civil
Engineering

Geotechnical
Engineering

Transportation
Engineering

Aviation
Engineering

W/WW
Engineering

Environmental
Services

Surveying &
Mapping

Construction
Administration

Material
Testing

Basic Assumptions

The following basic assumptions were used to prepare this estimate:

- HDL will perform one site visit to inventory and evaluate the corridor features.
- The project design will use COH specifications format and COH standard bid items. Specifications will be prepared for Final (100% complete) documents.
- Storm Water Pollution Prevention Plan will be developed with the 100% complete design.
- COH will pay any utility company fees related to utility locate requests.
- Survey and mapping will be performed in summer conditions.
- Drainage improvements are not included in this fee proposal.
- We anticipate the structural section work will consist of reclamation or a combination of structural section improvements with repaving. Geotechnical investigations and engineering is not included in this contract.
- Electrical engineering, environmental, and public involvement is not included in this fee, but can be added by amendment.
- ROW acquisitions are not anticipated. Easement or permit acquisition documents are not included, but can be added by amendment.
- Coordination with utilities and utility relocation services are not included, but can be added by amendment.
- Bidding assistance and construction assistance are not included in this task, but can be added by amendment.

Schedule

Upon Notice to Proceed, HDL will begin coordinating the survey and evaluating/inventorying features in the corridor. We anticipate survey to occur fall/summer 2022. Our team will begin the design after receiving the survey basemap and complete the 35% PS&E submittal package within 40 business days.

*Pavement Restoration – Island View Court
June 6, 2022*

Fee

HDL will provide the aforementioned basic services on a time and expenses basis at our contract hourly rates for an estimated fee of \$69,320. See the attached fee estimate.

We appreciate the opportunity to provide this proposal and look forward to assisting the COH on this project. If you have any questions, please contact me at 564-2136.

Sincerely,

HDL Engineering Consultants, LLC



Nick M. Oliveira, PE, PTOE

Principal Civil Engineer/Project Manager

e: noliveira@HDLalaska.com | o: 907.564.2120 | d: 907.382.7656

Attach: Fee Estimate Spreadsheet (1 Page)
 Geovera, LLC Fee Estimate (1 Page)

Project: Pavement Restoration - Island View Court Design

PERSONNEL DESCRIPTION	Principal Eng	Civil Engr	Eng Ast	Drafter	Enviro Ana	Expenses	Subconsultant
E-Codes	E30	E21	E15	E14	E20		
TASK DESCRIPTION							
Project Management/Coordination	4						
Inventory Review and Compile		8	8			\$300	
Survey Coordination	2	4		2			
Compute Political Boundaries/ACAD							\$1,200
Topographic/Planimetric Survey							\$2,400
Post-Process/ACAD Drawing/SCS							\$2,400
Utility As-Built Review		2	4	4			
SWPPP Plan Development		4			20		
1 Cover			1	1			
1 Legend, Index, Notes			1	1			
1 Survey Control Sheet		2		2			
7 Layout Plans (1"=20')		40	80	80			
1 Typical Sections/Details		4	8	8			
Drainage Improvements		20	40	40			
2 Summary Tables		6	12	12			
1 Sign Summary		4	8	8			
Traffic Control	4	4		4			
35% QA/QC Review	8						
35% Estimate		8	16				
35% Design Review Meeting		2	2				
Site Visit	4	4				\$300	
Final QA/QC Review	6						
Final Plan Technical Specifications		16					
Final Estimate		4	8				
*ADD ALTERNATE							
Total Hours	28	132	188	162	20	\$600	\$6,000
Basic Hours	28	132	188	162	20	\$600	\$6,000
ADD ALTERNATE							
BILLING RATE	\$180.00	\$135.00	\$105.00	\$100.00	\$130.00	1.10	1.10
Basic Services	\$5,040.00	\$17,820.00	\$19,740.00	\$16,200.00	\$2,600.00	\$660.00	\$6,600.00
* Add Alternate							
	Basic		*Add Alternate				
LABOR	\$62,060						
SUBCONSULTANT	\$6,600						
Expenses	\$660						
TOTAL COST	\$69,320						

Geovera, LLC

PO Box 3235 • Homer, Alaska 99603 • (907) 399-4345 • scsmith@gci.net

Island View Court Pavement Restoration Project Surveying Proposal

June 3, 2022

HDL Engineering Consultants, LLC
Nick Oliveira, P.E.
3335 Arctic Blvd., Suite 100
Anchorage, Alaska 99503

Nick,

This letter is to outline the Geovera, LLC scope and costs for the Island View Court Pavement Restoration Project design survey.

This proposal includes topographic/planimetric surveying of approximately 1000 feet of Island View Court from Towne Heights Lane to the Island View Court cul-de-sac deliverable in AutoCad Civil3D. Design survey to include the following:

- Topographic/Planimetric survey to cover the entire right-of-way corridor to ten to fifteen feet past the right-of-way limits
- Roadway, driveways, utilities, culvert inverts/drainage structures, signing
- Topographic/Planimetric survey of main drainage / culvert detail
- Survey control sheet on HDL or Geovera title block

The costs break down as follows:

Compute political boundaries / AutoCad drawing
8 Hours @\$150.00 - \$1,200.00

Topographic/Planimetric survey
16 Hours @\$150.00- \$2,400.00

Post-Process field data / AutoCad drawing / Survey Control Sheet
16 Hours @\$150.00 - \$2,400.00

Total cost for the items described in this proposal is \$6,000.00

Please let me know if you have any questions or require clarification of any of the items in this proposal.

Stephen C. Smith, P.L.S.

Road	Condition	Conceptual Cost of Restoration	Strategy	Engineer assigned to project	Estimated Design cost
Bay View Avenue	asphalt cracking & other wear	\$220,000	2022 - grind & pave	HDL	\$ 8,680
Bay Avenue/ B Street/E Street	asphalt cracking, raveling & other wear, lift station access, located near the middle of an intersection, needs replacement	\$460,000	2022 - Design 2023 - construct	Kinney	\$ 69,925
Ohlson Lane/Bunnell Ave	drainage & storm drain issues; pavement deterioration	\$560,000	2022 - design, incorporate pedestrian means 2023 - construct	Nelson	\$ 55,518
Island View Court	failing culvert, asphalt cracking	\$280,000	2022 - purchase culvert so we have it on hand in the case of emergency & design 2023 - construct	HDL	\$ 69,320
Heath Street	possible storm drain issues; subgrade and ADA ramp issues; pavement deteriorating;	\$520,000	2023 - design 2024 - construct	TBD	
Bayview Court & Calhoun Court	asphalt cracking & other wear, drainage issues, road ends need to be addressed	\$200,000	2022 - Conduct public outreach to discuss cul de sac configuration 2023 - design 2024 - construct	TBD	
Elderberry Drive/ Elderberry Court	asphalt cracking & other wear	\$270,000	2024 - grind & pave	TBD	

1 **CITY OF HOMER**
2 **HOMER, ALASKA**

3 City Manager/
4 Public Works Director

5 **ORDINANCE 22-26**

6
7 AN ORDINANCE OF THE CITY COUNCIL OF HOMER, ALASKA
8 AMENDING THE FY22 CAPITAL BUDGET BY APPROPRIATING
9 \$500,000 FROM THE HOMER ACCELERATED ROADS AND TRAILS
10 (HART) ROAD FUND TO ESTABLISH A PAVEMENT RESTORATION
11 PROGRAM.

12
13 WHEREAS, \$177,895 was budgeted in the FY 22/23 Capital Budget for grinding and
14 paving East Bayview Ave, which had been assessed, using the PACER condition evaluation
15 methodology we introduced in 2020, as being in dire need of pavement restoration; and

16
17 WHEREAS, The Road Financial Plan calls for the investment of two – \$175,000 grind and
18 pave projects every other year; and

19
20 WHEREAS, We have learned this is not enough because due to the substantial increases
21 in the cost of oil, which is a necessary component of asphalt, the cost of asphalt has sky-
22 rocketed; and

23
24 WHEREAS, We're finding more of our paved roads need restoration than previously
25 thought and some of them don't need just a face lift, but a complete reconstruction.

26
27 WHEREAS, We have commissioned one of our Term Contract engineers to help us
28 evaluate our pavements and identify the most cost effective options for restoration so we can
29 update the Road Financial Plan in a sensible way; and

30
31 WHEREAS, We know we need to work on a couple of high traffic roads and the \$177,895
32 that is currently in the budget will not cover the costs; and

33
34 WHEREAS, We'd like to create a Pavement Restoration Program, which we can access
35 for high priority projects.

36
37 NOW, THEREFORE, THE CITY OF HOMER ORDAINS:

38
39 Section 1. The FY 22 Capital Budget is hereby amended by appropriating \$500,000 from
40 the HART Road Fund to create the Pavement Restoration Program as follows:

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42

<u>Fund</u>	<u>Description</u>	<u>Amount</u>
160	Pavement Restoration Fund	\$500,000

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Section 2. This is a budget amendment ordinance only, is not permanent in nature, and shall not be codified.

ENACTED BY THE CITY COUNCIL OF HOMER, ALASKA, this 24th day of May, 2022.

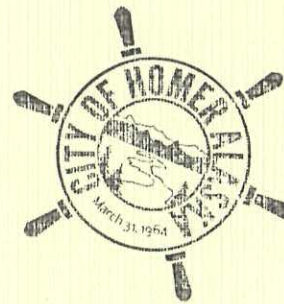
CITY OF HOMER



KEN CASTNER, MAYOR

ATTEST:

Renee Krause
RENEE KRAUSE, MMC, ACTING CITY CLERK



YES: 6
NO: 0
ABSTAIN: 0
ABSENT: 0

First Reading: 5/9/22
Public Reading: 5/23/22
Second Reading: 5/23/22
Effective Date: 5/24/22