

# LOT DEVELOPMENT

## Engineering & Surveying, Inc.

SURVEYING • ENGINEERING • CONSTRUCTION MANAGEMENT • PLANNING

November 28, 2022

**RE: WSDOT - SR 534 - Unnamed Tributary to Carpenter Creek Fish Passage**

**Bid Date: November 28, 2022, 11:00 AM**

Please consider the enclosed proposal for surveying services on the above mentioned project. We have attempted to capture all the items we believe will be necessary to complete this project. If you feel that we have excluded or included an item that doesn't match your needs for this project, please contact our office and we would be happy to make the desired corrections.

If you decide to use us, please let us know, we will need a service agreement signed before we can schedule the job.

If you have any questions or concerns, please contact our office at 360-383-0620.

Sincerely,

LOT DEVELOPMENT

RE: WSDOT - SR 534 - Unnamed Tributary to Carpenter Creek Fish Passage

This proposal is valid for 90 days

## Bid Tab Lump Sum Proposal Values

### Base Bid:

Bid Item #65 – Structural Surveying .....	\$ 4,325.00
Bid Item #66 – Roadway Surveying .....	\$12,100.00

**Bid Tab Lump Sum Proposal Value .....** **\$16,425.00**

## Bid Tab Scope Details

### Base Bid:

#### Bid Item #65 - Structure Surveying

- **Control** – LDES will occupy and verify the owner provided control to assure that it is within the specified project tolerances. LDES will establish secondary horizontal and vertical control as needed.
- **Box Culvert Staking** – LDES will stake offsets for all corners of the box culverts for excavation and will stake actual corners inside the pit for final grading and placement.
- **Wing Walls & Head Walls** – LDES will stake offsets for all corners of the wing walls and head walls after full excavation.
- **Approach Slabs** – LDES will stake offsets or actual points for grading and placement of preformed approach slabs.

#### Bid Item #116 - Roadway Surveying

- **Control** – LDES will occupy and verify the owner provided control to assure that it is within the specified project tolerances. LDES will establish secondary horizontal and vertical control as needed.
- **Site Preparation Staking** – LDES will stake silt fence and high visibility fencing at all angle points and at no more than 50' intervals.
- **Creek Bed Alignment Staking** – LDES will stake double offsets for the centerline of the creek bed alignments and grading at centerline at no more than 25' stations in tangents and at all PC's, PT's and d/2.
- **Large Woody Material Staking** – LDES will stake double offsets for the large woody material as outlined and called out in the plan set.
- **Roadway Shoulder Grading** – LDES will slope stake both sides of the roadway for shoulder grading.
- **Roadway Grading** – LDES will stake the roadway grading for subgrade and bluetops along roadway as outlined in the survey specifications.
- **Guardrail Staking** – LDES will stake the centerline of the guardrail as outlined in the survey specifications.

## **General Notes**

- 1) The Client shall provide all necessary traffic control and flaggers as needed.
- 2) Survey Requests need to be submitted no later than 2 working days prior to allow for scheduling and setup.
- 3) This estimate is for one-time staking for each item as listed above and any re-staking will be billed as per LDES's current rate schedule.
- 4) LDES requires at least 4 hours of staking work per site visit. Travel time will be billed for any site visits under 4 hours.
- 5) This proposal is based on receiving all survey control, alignments and complete AutoCAD drawings from the owner or engineer.
- 6) This proposal is based on no more than 6 site visits. Any additional site visits will be bill travel time.
- 7) This proposal is based on standard prevail wages with no overtime pay. Unless otherwise specifically stated, all additional costs of overtime pay for nights, weekends and holidays will be billed as extra.

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**RATE SCHEDULE**  
**Effective 01/01/2022**

<b>OFFICE</b>	<b>HOURLY RATE</b>
Principal Engineer	\$165.00
Senior PLS	\$155.00
Senior Engineer	\$155.00
Engineer IV	\$135.00
Project Manager	\$155.00
Construction Manager	\$150.00
Contract Administrator	\$130.00
Construction Inspector	\$110.00
Sr. Design/Survey CAD Tech	\$115.00
Jr. Design/Survey CAD Tech	\$105.00
Sr. Engineering/Survey Field/Office Tech	\$110.00
Jr. Engineering/Survey Field/Office Tech	\$100.00
General Office	\$ 80.00
Administration	\$ 90.00

<b>FIELD</b>	
1 Man Survey Crew	\$160.00
2 Man Survey Crew	\$210.00
3 Man Survey Crew	\$265.00
Scanning & Operator (1 man)	\$170.00
Scanning & Operator (2 man)	\$250.00
Drone W/Licensed Pilot & Flight Op Manager	\$250.00
Pipe Camera 1 Man/2 Man	\$150.00/\$200.00

**Prevailing Wage**

Prev 1 Man Survey Crew	\$200.00
Prev 2 Man Survey Crew	\$280.00
Prev 3 Man Survey Crew	\$355.00

Expert Witness/Boundary Disputes/Engineering/Survey 1.5 times usual hourly rate (4 hour minimum).  
All Overtime will be billed at 1 ½ times regular rate, weekends and Holidays billed at 2 times regular rates.

**MISCELLANEOUS REIMBURSABLE EXPENSES**

Mylar (Per sheet)	\$ 20.00
Wide Format Copies (Per Sheet)	\$ 3.00
Report processing & binding (Per Report)	\$ 45.00
Mileage	Standard Federal Rate

Reimbursable Expenses Are Invoiced at Cost Plus 10%

The unit rates are subject to periodic modification (typically annually). These rates modifications will be incorporated into long-term projects, unless otherwise addressed in the project contract.