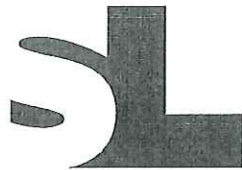


Appendix Item # 21e.ii  
Date 5-8-2019



COPY

SPEECE | LEWIS  
ENGINEERS

2019 MAY -1 PM 12:03

RECEIVED

906 South 26th Street | Lincoln, NE 68510 | Phone: 402.483.5466 | Fax: 402.483.1722 | www.speecelewis.com

## PROPOSAL - WORK AUTHORIZATION

CLIENT: <u>Dodge County, Nebraska</u>	Project No.: <u>ER-4</u>
Address: <u>435 N Park, Room 204</u>	Project Name: <u>Scribner East</u>
<u>Fremont NE 68025</u>	
Property Owner: _____	Project Location: <u>Dodge County, Nebraska</u>
Address: _____	
Client Contact: <u>Scott Huppert</u>	Telephone No.: <u>(402) 720-1181</u>
<u>dodgecoroads@hotmail.com</u>	

### DESCRIPTION OF WORK

This PROPOSAL-WORK AUTHORIZATION constitutes the express authority given to SPEECE LEWIS ENGINEERS, INC., by the above-named CLIENT to do the following work:

The scope of services for this project involves engineering design services required to produce final construction plans and specifications for the following:

Project description: Design Repair of County Road 'F' beginning approximately 300 feet east of the east end of the Elkhorn River bridge then proceeding approximately 0.5 miles east to the vicinity of the tributary bridge. The project also extends north approximately 0.50 miles. The north leg starts at the intersection of County Road 'F' and Lone Tree Road and proceeds north. The project includes design of county roads and ditches and drainage structures.

The project will include the following: survey, right-of-way survey, roadway design, right-of-way design plans, and opinion of probable cost.

Construction Engineering will also be included and compensation will be at the hourly rates shown below.

Work tentatively scheduled to begin as soon as possible.

### COMPENSATION

It is specifically agreed that the parties to this contract are Dodge County, Nebraska, herein called CLIENT and SPEECE LEWIS ENGINEERS, INC. and that by signing this document CLIENT agrees to pay for all work authorized. CLIENT further agrees to pay SPEECE LEWIS ENGINEERS, INC. for the above-described work, on the basis of compensation listed below:

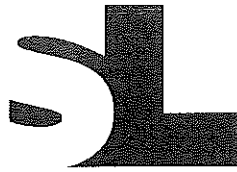
Preliminary / Final Engineering	\$68,013.50	Lump Sum – See attached worksheet for hours and cost
<u>Construction Engineering</u>		
Project Manager	\$190.00	
Engineer	\$115.00	
EIT	\$80.00	
Technician	\$65.00	
Survey (2-man crew)	\$135.00	

Mileage will be billed at the current Federal mileage rate of \$.58 per mile. Testing by Terracon, meals and hotels will be billed at cost.

Payment due upon receipt of invoice by CLIENT

CLIENT	SPEECE LEWIS ENGINEERS, INC.
By _____	By <u>Tim Jansen</u>
Authorized Representative	
Date _____, 2019	Date <u>April 26</u> , 2019

Please sign and return one copy to: SPEECE LEWIS ENGINEERS, INC.



SPEECE | LEWIS  
ENGINEERS

906 South 26th Street | Lincoln, NE 68510 | Phone: 402.483.5466 | Fax: 402.483.1722 | www.speecelewis.com

**PROPOSAL - WORK AUTHORIZATION**

CLIENT: Dodge County, Nebraska  
Address: 435 N Park, Room 204  
Fremont NE 68025  
Property Owner: \_\_\_\_\_  
Address: \_\_\_\_\_  
Client Contact: Scott Huppert  
dodgecoroads@hotmail.com

Project No.: ER-4  
Project Name: Scribner East  
Project Location: Dodge County, Nebraska  
Telephone No.: (402) 720-1181

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Mileage will be billed at the current Federal mileage rate of \$.58 per mile. Testing by Terracon, meals and hotels will be billed at cost.

Payment due upon receipt of invoice by CLIENT

CLIENT  
By \_\_\_\_\_  
Authorized Representative

SPEECE LEWIS ENGINEERS, INC.  
By Tim Garner

Date \_\_\_\_\_, 2019

Date April 26, 2019

Please sign and return one copy to: SPEECE LEWIS ENGINEERS, INC.

**Staffing Plan (Lump Sum)**

**Preliminary Engineering**

Project Name: SCRIBNER EAST  
 Consultant: SPEECE LEWIS ENGINEERS, INC.  
 Consultant PM: Chris Lane  
 LPA RC: Scott Huppert  
 NDOT PC: TBD?  
 Date: April 17, 2019

Project Number: ER-4  
 Control Number: XXXX



Billing Rates  Entered Directly, or  
 Calculated, based on:  
 Overhead: 158.55%  
 Profit Rate: 13.00%  
 FCCM (if applicable):  
 \*Salary Escalation Factor: 3.0%  
 \*Escalation Period: 2 yrs  
 \*(default is 3% and 1 yr period)

#	Code	Classification	#	Code	Classification
1	PR	Principal	7	SDES	Senior Designer/Technician
2	RLS	Registered Land Surveyor	8	DES	Designer/Technician
3	ENV	Environmental Scientist	9	ADM	Administrative
4	PM	Project Manager	10	SPC	Survey Party Chief
5	SENG	Senior Engineer	11	SUR	Surveyor I
6	ENG	Engineer	12	UND	Undefined

Effective Multiplier For New Staff = 2.96

**SRC BILLING RATE TABLE per employee**

Template: T-WB-B1 Construction (rev 6-05-2017) SRC

Employee Name	Job Title & Certifications	Current Actual Hourly Rate	SRC Billing Rate	% Assigned
<b>Principal</b>				
Chris Lane	Vice President	\$65.00	\$193.00	50%
Tim Farmer	President	\$65.00	\$193.00	50%
Weighted Average Rate:			\$193.00	
<b>Registered Land Surveyor</b>				
Weighted Average Rate:				
<b>Environmental Scientist</b>				
Kara Rosburg	Environmental Scientist	\$20.00	\$60.00	30%
Chris Hedgecock	Environmental Scientist	\$27.00	\$81.00	70%
Weighted Average Rate:			\$74.70	
<b>Project Manager</b>				
Chris Lane	Project Manager	\$65.00	\$193.00	50%
Tim Farmer	Project Manager	\$65.00	\$193.00	50%
Weighted Average Rate:			\$193.00	





Consultant's Estimate of Hours

Preliminary Engineering

Project Name: Winslow East  
 Consultant: Speece Lewis Engineers  
 Consultant PM: Chris Lane  
 NDOT PC: TBD  
 Date: April 17, 2019

Project Number: ER-4  
 Control Number: XXXX



TASKS	PERSONNEL CLASSIFICATIONS												Total
	PR	RLS	ENV	PM	SENG	ENG	SDES	DES	ADM	SPC	SUR	UND	
<b>Project Management</b>	<b>80</b>												<b>80</b>
1 Project Management	60												60
2 Project Description / Purpose and Need													
3 Quality Assurance / Quality Control	20												20
<b>Meetings</b>	<b>12</b>				<b>12</b>								<b>24</b>
1 Owner Meetings	8				8								16
2 Plan-In-Hand Meeting													
3 LPA/NDOT Coordination Meetings													
4 Meetings with Utilities	4				4								8
5 Public Involvement Planning Meetings													
6 Key Stakeholder Outreach													
7 City Council/County Board													
8 Open Houses													
9 One-on-One, Small Group Meetings													
<b>Survey</b>							<b>32</b>		<b>50</b>	<b>58</b>			<b>140</b>
1 Preliminary Field Survey									40	40			80
2 Digital Terrain Model							12				8		20
3 Base Map Preparation							12						12
4 Horizontal and Vertical Control										4	4		8
5 Section / Property Corners										2	2		4
6 Existing Utilities										4	4		8
7 Note Reduction / Preliminary Plotting							8						8
8 PIH Staking the Right of Way													
9 Negotiations Staking the Right of Way													
<b>Preliminary Roadway Design (PIH/30%)</b>	<b>1</b>				<b>37</b>	<b>70</b>	<b>114</b>						<b>222</b>
1 Complete Form DR-76					2	2	2						6
2 Data Collection and Review						8	8						16
3 Roadway Horizontal Alignment					2	4	4						10
4 Roadway Vertical Alignment					2	4	8						14
5 Template Roadway Cross sections					4	16	32						52
6 Limits of Construction						2	4						6
7 Earthwork					2	4	6						12
8 Roadway Geometric Design						2	2						4
9 Roadway and Driveway Culverts							2						2
10 Construction and Removal					2	4	12						18
11 Utility Coordination/Verification					4		4						8
12 Construction Phasing/Detour Route/Temporary Roads						8	8						16
13 Erosion Control						8	8						16
14 Quantities/Estimates						8	8						16
15 Typical Sections					1	2	2						5
16 2W/2A Sheets							4						4
17 Guardrail													
18 Floodplain Identification					4								4
19 Floodplain Permitting					4								4
20 Plan-In Hand Meeting/Report					6	6	8						20
21 Working Day Calculations	1				4								5
22 Pavement Determination													
<b>Functional Plans (60%)</b>	<b>4</b>				<b>6</b>	<b>4</b>	<b>28</b>						<b>42</b>
1 Functional plans					4		16						20
2 Quantity estimates	4				2	4	4						14
3 Sixty percent plan submittal							8						8
<b>Draft PS&amp;E Submittal (90%) plan review</b>	<b>6</b>				<b>4</b>	<b>2</b>	<b>16</b>						<b>28</b>
1 Incorporate review comments						2	8						10
2 Opinion of probable cost	4												4
3 Draft PS&E package submittal	2				4		8						14

TASKS	PERSONNEL CLASSIFICATIONS											Total	
	PR	RLS	ENV	PM	SENG	ENG	SDES	DES	ADM	SPC	SUR		UND
<b>Final PS&amp;E Submittal/Blue Line Corrections</b>	2				2		16						20
1 Final PS&E Submittal							4						4
2 Address comments or questions					2								2
3 Electronic CADD files							4						4
4 Temporary erosion control							2						2
5 Printing							4						4
6 SWPPP							2						2
7 QA/QC	2												2
8 Letting Task													
<b>Utilities</b>													
1 Existing Right-of-Way Base													
2 Proposed Right-of-Way													
3 Right-of-Way Plan Sheets													
4 Title Research													
5 Permit to occupy right of way													
<b>Right-of-Way Design</b>					22	14				8			44
1 Existing Right-of-Way Base					2	2							4
2 Proposed Right-of-Way					8	4							12
3 Right-of-Way Plan Sheets					8	8							16
4 Title Research									8				8
5 Permit to occupy right of way					4								4
<b>Right of Way Cost Estimate</b>													
1 Right of Way Cost Estimate													
<b>Environmental Coordination</b>	17				18								35
1 Review of NEPA documents and commitments	8												8
2 NEPA exhibits	2												2
3 Preliminary Waterway Permit Data Sheet													
4 Wetlands Impacts	1				4								5
5 Permits	2												2
5a Floodplain Permit	2												2
5b Army Corps of Engineers 404 permit	1												1
5c NPDES, SWPPP & NOI	1				2								3
5d Activity Checklists													
5e NEPA Coordination					8								8
5f Wetland Impact calculations					2								2
5g Nebraska Department of Environmental Quality					2								2
5h City/County Health Department Permits													
<b>Public Involvement</b>													
1 Public Involvement Planning Meetings													
2 Public Involvement Plan													
3 Database Development/ Maintenance													
4 Key Stakeholder Outreach													
5 City Council/County Board meetings													
6 Open Houses													
7 One-on-One, Small Group Meetings													
8 Newsletters/Informational Materials													
9 Final Public Involvement Report/Documentation													
<b>Misc. Items</b>													
1													
2													
3													
<b>Total Days</b>	15.25				12.63	11.25	25.75			7.25	7.25		79
<b>Total Hours</b>	122				101	90	206			58	58		635.0

# Direct Expenses

# Preliminary Engineering

**Project Name:** SCRIBNER EAST  
**Consultant:** SPEECE LEWIS ENGINEERS, INC.  
**Consultant PM:** Chris Lane  
**LPA RC:** Scott Huppert  
**NDOT PC:** TBD?  
**Date:** April 17, 2019

**Project Number:** ER-4  
**Control Number:** xxxx



Subconsultants:			Amount	
<b>Subtotal</b>				
Printing and Reproduction:		Qty	Unit Cost	Amount
Full Size Prints		50	\$5.00	\$250.00
11x17 Copies/prints		100	\$0.35	\$35.00
<b>Subtotal</b>			<b>\$285.00</b>	
Mileage/Travel:		Qty	Unit Cost	Amount
Mileage		500	\$0.580	\$290.00
<b>Subtotal</b>			<b>\$290.00</b>	
Lodging/Meals:		Qty	Unit Cost	Amount
25 Hotel nights (price includes taxes as allowed by FAR)			\$120.00	
39 meals			\$55.00	
<b>Subtotal</b>				
Other Miscellaneous Costs:		Qty	Unit Cost	Amount
Title Research			\$200.00	
<b>Subtotal</b>				
<b>TOTAL DIRECT EXPENSES</b>			<b>\$575.00</b>	



**Project Cost & Breakdown****Preliminary Engineering**

Project Name: SCRIBNER EAST  
 Consultant: SPEECE LEWIS ENGINEERS, INC.  
 Consultant PM: Chris Lane  
 NDOT PC: TBD?  
 Date: April 17, 2019

Project Number: ER-4  
 Control Number: XXXX



<b>LABOR COSTS</b>			
<b>Classification</b>	<b>Hours</b>	<b>Weighted Rate</b>	<b>Amount</b>
Principal	122.00	\$193.00	\$23,546.00
Registered Land Surveyor			
Environmental Scientist		\$74.70	
Project Manager		\$193.00	
Senior Engineer	101.00	\$119.00	\$12,019.00
Engineer	90.00	\$85.25	\$7,672.50
Senior Designer/Technician	206.00	\$77.50	\$15,965.00
Designer/Technician		\$77.00	
Administrative		\$62.00	
Survey Party Chief	58.00	\$75.00	\$4,350.00
Surveyor I	58.00	\$67.00	\$3,886.00
Undefined			
	<b>635.00</b>	<b>Subtotal</b>	<b>\$67,438.50</b>

<b>DIRECT EXPENSES</b>	<b>Amount</b>
Subconsultants:	
Printing And Reproduction:	\$285.00
Mileage/Travel:	\$290.00
Lodging/Meals:	
Other Miscellaneous Costs:	
	<b>Subtotal</b>
	<b>\$575.00</b>

<b>TOTAL PROJECT COSTS</b>	<b>Amount</b>
Labor Costs	\$67,438.50
Direct Expenses	\$575.00
	<b>TOTAL COST</b>
	<b>\$68,013.50</b>