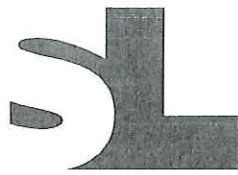


Agenda Item # 21.e.iv.
Date 5-8-2019



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: 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-25
Project Name: Dead Timber Flood Repair Project
Project Location: Dodge County, Nebraska
Telephone No.: (402) 720-1181

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 Replacement roadway for County Road 'B' beginning at approximately 300 ft east of HWY 275 in Dodge County Nebraska and proceeding east approximately 0.4 miles. Remove and replace storm damaged roadway embankment and pavement.

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	\$69,328.75	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

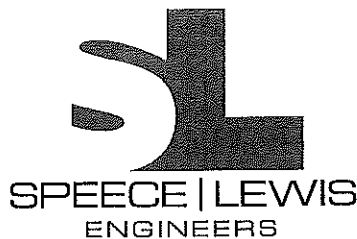
CLIENT
By _____
Authorized Representative

SPEECE LEWIS ENGINEERS, INC.
By [Signature]

Date _____, 2019

Date 4/29, 2019

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



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

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CLIENT
 By _____
 Authorized Representative

SPEECE LEWIS ENGINEERS, INC.
 By [Signature]

Date _____, 2019

Date 4/29, 2019

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

Staffing Plan (Lump Sum)

Preliminary Engineering

Project Name: County Road B - Dead Timber Road
 Consultant: SPEECE LEWIS ENGINEERS, INC.
 Consultant PM: Chris Lane
 LPA RC: Scott Huppert
 NDOT PC: TBD?
 Date: April 10, 2019

Project Number: ER-25
 Control Number: XXXX



Billing Rates Entered Directly, or
 Calculated, based on:
 Overhead: 158.55%
 Profit Rate: 13.00%
 FOCM (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

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

SRC BILLING RATE TABLE per employee

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

Project Name: County Road B - Dead Timber Road
 Consultant: SPEECE LEWIS ENGINEERS, INC.
 Consultant PM: Chris Lane
 NDOT PC: TBD?
 Date: April 10, 2019

Project Number: ER-25
 Control Number: XXXX



TASKS	PERSONNEL CLASSIFICATIONS												Total
	PR	RLS	ENV	PM	SENG	ENG	SDES	DES	ADM	SPC	SUR	UND	
Project Management	80												80
1 Project Management	60												60
2 Project Description / Purpose and Need													
3 Quality Assurance / Quality Contro	20												20
Meetings	12				12								24
1 Owner Meetings.	8				8								16
2 Plan-In-Hand Meeting													
3 LP/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													
Survey							32			50	60		142
1 Preliminary Field Survey										40	40		80
2 Digital Terrain Model							12				10		22
3 Base Map Preperation							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.													
Preliminary Roadway Design (PIH/30%)	1				48	83	110						242
1 Complete Form DR-76						2	2						4
2 Data Collection and Review						8	8						16
3 Roadway Horizontal Alignment					4	8	8						20
4 Roadway Vertical Alignment					2	8	8						18
5 Template Roadway Cross sections					4	16	24						44
6 Limits of Construction						2	6						8
7 Earthwork					1	4	4						9
8 Roadway Geometric Design						4	4						8
9 Roadway and Driveway Culverts						2	2						4
10 Construction and Removal					2	8	12						22
11 Utility Coordination/Verification					4								4
12 Construction Phasing/Detour Route/Temporary Roads													
13 Erosion Control					2	4	8						14
14 Quantities/Estimates					2	8	8						18
15 Typical Sections					1	1	4						6
16 2W/2A Sheets						2	4						6
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					8								8
Functional Plans (60%)	2				6	4	28						40
1 Functional plans					4		16						20
2 Quantity estimates	2				2	4	4						12
3 Sixty percent plan submittal							8						8
Draft PS&E Submittal (90%) plan review	6				4	2	16						28
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		
Final PS&E Submittal/Blue Line Corrections	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														
Utilities														
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														
Right-of-Way Design					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	
Right of Way Cost Estimate														
1 Right of Way Cost Estimate														
Environmental Coordination	17				14								31	
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														
5f Wetland Impact calculations					8								8	
5g Nebraska Department of Environmental Quality														
5h City/County Health Department Permits														
Public Involvement														
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														
Misc. Items														
1														
2														
3														
Total Days	15				13.5	12.88	25.25			6.25	8.5		81	
Total Hours	120				108	103	202			50	68		651.0	

Direct Expenses

Preliminary Engineering

Project Name: County Road B - Dead Timber Road
Consultant: SPEECE LEWIS ENGINEERS, INC.
Consultant PM: Chris Lane
LPA RC: Scott Huppert
NDOT PC: TBD?
Date: April 10, 2019

Project Number: ER-25
Control Number: xxxx



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

Project Cost & Breakdown**Preliminary Engineering**Project Name: County Road B - Dead Timber RoadProject Number: ER-25Consultant: SPEECE LEWIS ENGINEERS, INC.Control Number: xxxxConsultant PM: Chris LaneNDOT PC: TBD?Date: April 10, 2019

LABOR COSTS			
Classification	Hours	Weighted Rate	Amount
Principal	120.00	\$193.00	\$23,160.00
Registered Land Suveyor			
Environmental Scientist		\$74.70	
Project Manager		\$193.00	
Senior Engineer	108.00	\$119.00	\$12,852.00
Engineer	103.00	\$85.25	\$8,780.75
Senior Designer/Technician	202.00	\$77.50	\$15,655.00
Designer/Technician		\$77.00	
Administrative		\$62.00	
Survey Party Chief	50.00	\$75.00	\$3,750.00
Surveyor I	68.00	\$67.00	\$4,556.00
Undefined			
	651.00	Subtotal	\$68,753.75

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

TOTAL PROJECT COSTS	Amount
Labor Costs	\$68,753.75
Direct Expenses	\$575.00
	TOTAL COST
	\$69,328.75