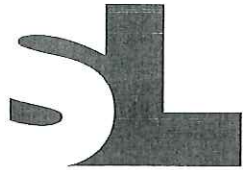


Armeda Item # 21e.1
Date 5-8-2019



SPEECE | LEWIS
ENGINEERS

COPY

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-7
Project Name: Winslow East
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 of roadway for the pavement east of Winslow. The project starts approximately at the intersection of HWY 275 and County Road 'J' and proceeds east approximately 1.5 miles. The project will include the following: survey, right-of-way survey, final roadway design, right-of-way design plans and opinion of probable cost. This project will acquire a construction contractor through negotiations to expedite the construction of this roadway and will not go through the typical NDOT letting process.

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	\$90,643.00	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	

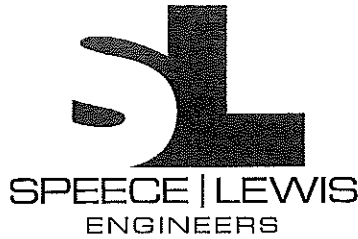
Mileage will be billed at the current Federal mileage rate of \$.58 per mile. Testing by Terracon, meals and hotels will be billed at cost.

Payment due upon receipt of invoice by CLIENT

CLIENT
By _____
Authorized Representative
Date _____, 2019

SPEECE LEWIS ENGINEERS, INC.
By
Date April 26, 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

PROPOSAL - WORK AUTHORIZATION

CLIENT: <u>Dodge County, Nebraska</u>	Project No.: <u>ER-7</u>
Address: <u>435 N Park, Room 204</u>	Project Name: <u>Winslow 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 replacement of roadway for the pavement east of Winslow. The project starts approximately at the intersection of HWY 275 and County Road 'J' and proceeds east approximately 1.5 miles. The project will include the following: survey, right-of-way survey, final roadway design, right-of-way design plans and opinion of probable cost. This project will acquire a construction contractor through negotiations to expedite the construction of this roadway and will not go through the typical NDOT letting process.

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	\$90,643.00	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><i>Tim J...</i></u>
Authorized Representative	
Date _____, 2019	Date <u>April 26</u> , 2019

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

Staffing Plan (Lump Sum)

Preliminary Engineering

Project Name: WINSLOW EAST
 Consultant: SPEECE LEWIS ENGINEERS, INC.
 Consultant PM: Chris Lane
 LPA RC: Scott Huppert
 NDOT PC: TBD?
 Date: April 10, 2019

Project Number: ER-7
 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
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

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
Staffing Plan (Lump Sum)		Preliminary Engineering		
Surveyor I				
Chad Vandegriend	Survey Technician	\$24.25	\$72.00	50%
Tyler Eberspacher	Survey Technician	\$20.80	\$62.00	50%
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Weighted Average Rate:			\$67.00	
Undefined				
_____	_____	_____	_____	25%
_____	_____	_____	_____	25%
_____	_____	_____	_____	25%
_____	_____	_____	_____	25%
_____	_____	_____	_____	_____
Weighted Average Rate:				

Consultant's Estimate of Hours

Preliminary Engineering

Project Name: Winslow East
 Consultant: Speece Lewis Engineers
 Consultant PM: Chris Lane
 NDOT PC: TBD
 Date: April 10, 2019

Project Number: ER-7
 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 Control	20												20
Meetings	18				18								36
1 Owner Meetings	12				12								24
2 Plan-In-Hand Meeting													
3 LPANDOT Coordination Meetings													
4 Meetings with Utilities	6				6								12
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							44			62	74		180
1 Preliminary Field Survey									48	48			96
2 Digital Terrain Model							16				12		28
3 Base Map Preparation							16						16
4 Horizontal and Vertical Control									8	8			16
5 Section / Property Corners									2	2			4
6 Existing Utilities									4	4			8
7 Note Reduction / Preliminary Plotting							12						12
8 PIH Staking the Right of Way													
9 Negotiations Staking the Right of Way													
Preliminary Roadway Design (PIH/30%)	4				160	144	108						416
1 Complete Form DR-76					6	4							10
2 Data Collection and Review					12	12							24
3 Roadway Horizontal Alignment					8	12	4						24
4 Roadway Vertical Alignment					8	16	4						28
5 Template Roadway Cross sections	2				24	24	32						80
6 Limits of Construction					4	4	4						12
7 Earthwork					4	4	4						12
8 Roadway Geometric Design					16	8	8						32
9 Roadway and Driveway Culverts					4	2	2						8
10 Construction and Removal					12	24	24						60
11 Utility Coordination/Verification					8								8
12 Construction Phasing/Detour Route/Temporary Roads					8	8							16
13 Erosion Control					12	12							24
14 Quantities/Estimates					2	2	6						10
15 Typical Sections					2	2	4						8
16 2W/2A Sheets													
17 Guardrail													
18 Floodplain Identification					6		2						8
19 Floodplain Permitting					6		2						8
20 Plan-In Hand Meeting/Report					6	6	12						24
21 Working Day Calculations	2				4								6
22 Pavement Determination					8	4							12
Functional Plans (60%)													
1 Functional plans													
2 Quantity estimates													
3 Sixty percent plan submittal													
Draft PS&E Submittal (90%) plan review													
1 Incorporate review comments													
2 Opinion of probable cost													
3 Draft PS&E package submittal													

TASKS	PERSONNEL CLASSIFICATIONS												Total
	PR	RLS	ENV	PM	SENG	ENG	SDES	DES	ADM	SPC	SUR	UND	
Final PS&E Submittal/Blue Line Corrections	16				8	24	50						98
1 Final PS&E Submittal					2	8	16						26
2 Address comments or questions					2	8	8						18
3 Electronic CADD files						4	8						12
4 Temporary erosion control					2	2	2						6
5 Printing							8						8
6 SWPPP					2	2	8						12
7 QA/QC	16												16
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					11	24	20				10		65
1 Existing Right-of-Way Base						12	12						24
2 Proposed Right-of-Way					2	8	4						14
3 Right-of-Way Plan Sheets					1	4	4						9
4 Title Research										10			10
5 Permit to occupy right of way					8								8
Right of Way Cost Estimate													
1 Right of Way Cost Estimate													
Environmental Coordination													
1 Review of NEPA documents and commitments													
2 NEPA exhibits													
3 Preliminary Waterway Permit Data Sheet													
4 Wetlands Impacts													
5 Permits													
5a Floodplain Permit													
5b Army Corps of Engineers 404 permit													
5c NPDES, SWPPP & NOI													
5d Activity Checklists													
5e NEPA Coordination													
5f Wetland Impact calculations													
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	14.75				24.63	24	27.75			7.75	10.5		109
Total Hours	118				197	192	222			62	84		875.0

Direct Expenses

Preliminary Engineering

Project Name: WINSLOW EAST
Consultant: SPEECE LEWIS ENGINEERS, INC.
Consultant PM: Chris Lane
LPA RC: Scott Huppert
NDOT PC: TBD?
Date: April 10, 2019

Project Number: ER-7
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: WINSLOW EAST

Project Number: ER-7

Consultant: SPEECE LEWIS ENGINEERS, INC.

Control Number: xxxx

Consultant PM: Chris Lane

NDOT PC: TBD?

Date: April 10, 2019



LABOR COSTS			
Classification	Hours	Weighted Rate	Amount
Principal	118.00	\$193.00	\$22,774.00
Registered Land Surveyor			
Environmental Scientist		\$74.70	
Project Manager		\$193.00	
Senior Engineer	197.00	\$119.00	\$23,443.00
Engineer	192.00	\$85.25	\$16,368.00
Senior Designer/Technician	222.00	\$77.50	\$17,205.00
Designer/Technician		\$77.00	
Administrative		\$62.00	
Survey Party Chief	62.00	\$75.00	\$4,650.00
Surveyor I	84.00	\$67.00	\$5,628.00
Undefined			
	875.00	Subtotal	\$90,068.00

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	\$90,068.00
Direct Expenses	\$575.00
	TOTAL COST
	\$90,643.00