





2019 MAY - 1 PM 12: 03

RECEIVED

906 South 26th Street | Lincoln, NE 68510 | Phone: 402.483.5466 | Fax: 402.483.1729 | www.speacelewis.com

| PROPOSAL - WORK AUTHORIZATION  |
|--|
| CLIENT: Dodge County, Nebraska Project No.: ER-9 Address: 435 N Park, Room 204 Project Name: Hooper South Project Fremont NE 68025   |
| Property Owner: Project Location: <u>Dodge County, Nebraska</u>  |
| Address:Client Contact; Scott Huppert 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 of sheet pile to retain fill at the abutments at structure no. C002713920. Replace crushed rock surfacing north and south of C002713920. Approximately 0.4 miles of crushed rock surfacing needs to be replaced. In addition, due to the flood event, scour at bridge C002713910 requires replacement of channel embankment and rip-rap in the channel adjacent to the bridge. |
| 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 <u>Dodge County, Nebraska</u> , 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 \$59,113.75 Lump Sum – See attached worksheet for hours and cost   |
| Construction Engineering   |
| Project Manager \$190.00<br>Engineer \$115.00  |
| EIT \$80.00  |
| Technician \$65.00<br>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 By   |
|  |
| Date, 20 <u>19</u> Date, 20 <u>19</u>  |
| 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 - V  | WORK AUTHORIZATION  |
|---|---|
| CLIENT: <u>Dodge County, Nebraska</u><br>Address: 435 N Park, Room 204  | Project No.: ER-9 Project Name: Hooper South Project  |
| Fremont NE 68025 Property Owner: Address:   | Project Location: <u>Dodge County, Nebraska</u>   |
| Client Contact: Scott Huppert dodgecoroads@hotmail.com  | Telephone No.: <u>(402) 720-1181</u>  |
| DES   | CRIPTION OF WORK  |
| This PROPOSAL-WORK AUTHORIZATION constitutes the named CLIENT to do the following work:   | express authority given to SPEECE LEWIS ENGINEERS, INC., by the above-  |
| The scope of services for this project involves engineering for the following:  | design services required to produce final construction plans and specifications   |
| and south of C002713920. Approximately 0.4 miles of crus  | butments at structure no. C002713920. Replace crushed rock surfacing north shed rock surfacing needs to be replaced. In addition, due to the flood event, nel embankment and rip-rap in the channel adjacent to the bridge. |
| The project will include the following: survey, right-of-way cost.  | survey, roadway design, right-of-way design plans, and opinion of probable  |
| Construction Engineering will also be included and comper   | nsation 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 a ENGINEERS, INC. and that by signing this document CL SPEECE LEWIS ENGINEERS, INC. for the above-describ | are <u>Dodge County, Nebraska</u> , herein called CLIENT and SPEECE LEWIS IENT agrees to pay for all work authorized. CLIENT further agrees to pay ed work, on the basis of compensation listed below:                      |
| Preliminary / Final Engineering   | \$59,113.75 Lump Sum – See attached worksheet for hours and cost  |
| Construction Engineering Project Manager Engineer EIT Technician Survey (2-man crew)  | \$190.00<br>\$115.00<br>\$80.00<br>\$65.00<br>\$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.  |
| ByAuthorized Representative   | By Cim Turner   |
| Date, 20 <u>19</u>  | Date April 26 , 2019  |
| Please sign and return one copy to: SPEECE LEWIS ENG  | •   |

| e.,      | Hing E                       |  | .ump Sum)                    |                                 | 4.39     |   | Preli  | minary En                               | mineering   |
|----------|------------------------------|--|------------------------------|---------------------------------|----------|---|--|---|---|
| OLG      | Dilly r                      | lali (L                                | ump sum                      | September 1                     |          | V40 30 8                                |  | :·· <del>*</del>                        | The supplies with the second  |
|          | Project                      | .Name:                                 | HOOPER SOUTH                 |                                 |          |   |  | oject Numbi                             |   |
|          | Cons                         | sultant:                               | SPEECE LEWIS E               | NGINEERS, II                    | NC.      |   | Co   | ontrol Numbe                            | er: xxxx  |
|          | Consulta                     | ant PM:                                | Chris Lane                   |                                 |          |   | · · · · · · · · · · · · · · · · · · ·  |   |   |
|          | L                            | PA RC:                                 | Scott Huppert                |                                 |          |   | **   |   | . 6) -  |
|          | ND                           | OT PC:                                 | TBD?                         |                                 |          |   |  |   | . SPEECE LEWIS  |
|          |                              | Date:                                  | April 17, 2019               |                                 | _        |   |  |   | ENGINÉERS   |
| an gag   | Towns and the second         | Подганароднува                         |                              |                                 |          |   |  | <b>-</b> -                              | O Entered Directly, or  |
| #        | Code                         | #0000000000000000000000000000000000000 | ication                      |                                 | #        | Code                                    | Classification   | 4                                       | Calculated, based on:   |
| 1        | PR                           | Principa                               |                              |                                 | 7        | SDES                                    | Senior Designer/Technician   | 4                                       | Overhead: 158.55%   |
| 2        | RLS                          |  | ered Land Suveyor            |                                 | 8        | DES                                     | Designer/Technician  | 4                                       | Profit Rate: 13.00%   |
| 3        | ENV                          | -                                      | mental Scientist             |                                 | 9        | ADM                                     | Administrative   | 4                                       | FCCM (if applicable):   |
| 4        | PM                           | <del></del>                            | Manager                      |                                 | 10       | SPC                                     | Survey Party Chief   | 4                                       | *Salary Escalation Factor; 3.0%   |
| 5        | SENG                         | -                                      | Engineer                     | !                               | 11       | SUR                                     | Surveyor I   | 4                                       | *Escalation Period: 2 yrs  *(default is 3% and 1 yr period)                         |
| 6        | ENG                          | Enginee                                | 31                           |                                 | 12       | UND                                     | Undefined  |   |   |
| epr      | DIE E ING                    | DATE T                                 | ABLE per employ              | unn.                            |          |   | Effective Multipl  | ier For New a                           | Start = 2.96<br>Template: T-WB-B1 Construction (rev 6-05-2017) SRC                  |
| SKU<br>T | BILLING                      | KAIL                                   | ABLE per employ              |                                 |          |   | Current Actual   | SRC Billing                             |   |
|          | Employee                     | e Name                                 |                              | Job Title &                     | . Certif | lications                               | Hourly Rate  | Rate                                    | y<br>% Assigned   |
| Princ    | 21 William ANE BOAN - T. Atv | APRIADELE                              | AND RESIDUAL ORDER OF STREET | SARAH GARAN SARAH CARANAN SARAH | Harring  | Shiftmaneous, equi                      | ERONOMICS CONTINUES TO A CONTINUE OF THE STATE OF THE STA | AND | Street, Stranger Care Control of the Street Care Care Care Care Care Care Care Care |
|          | Chris Lane                   | е                                      |                              | Vice Presider                   | nt       |   | \$65.00  | \$193.00                                | 50%   |
|          | Tim Farme                    | er                                     |                              | President                       |          | *************************************** | \$65.00  | \$193.00                                | 50%   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   | Weighted Average Rate:   | : \$193.00                              |   |
| Regi     | istered La                   | ind Suve                               | ∌yor                         |                                 |          |   |  |   |   |
|          |                              |  | <del></del>                  |                                 |          |   |  |   |   |
|          |                              |  | <del></del>                  |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          | -                            |  |                              |                                 | —        |   | Weighted Average Rate:   | :                                       |   |
| Env      | ronmenta                     | l Scient                               | list                         |                                 |          |   | <u> </u>   |   |   |
|          | Kara Rost                    |  |                              | Envionmenta                     | l Scier  | itist                                   | \$20.00  | \$60.00                                 | 30%   |
|          | Chris Hed                    |  |                              | Envionmenta                     |          |   | \$27.00  | \$81.00                                 | 70%   |
|          |                              |  |                              |                                 |          |   |  | -                                       |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  | ~                            |                                 |          |   |  |   |   |
|          |                              |  | <del></del>                  |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   | Weighted Average Rate:   | \$74.70                                 |   |
| Droi     | ect Manag                    | nor                                    |                              |                                 |          |   | rrognes racings  | 41.111                                  |   |
| 11107    | Chris Lane                   |  |                              | Project Mana                    | ager     |   | \$65.00  | \$193.00                                | 50%   |
|          | Tim Farme                    |  |                              | Project Mana                    | •        | -                                       | \$65.00  | \$193.00                                | 50%   |
|          | 1                            |  |                              |                                 | <u>u</u> |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
|          |                              |  |                              |                                 |          |   |  |   |   |
| 1        |                              |  |                              |                                 |          |   |  |   |   |

Weighted Average Rate:

\$193.00

| Employee Name              | Job Title & Certifications | Current Actual<br>Hourly Rate         | SRC Billing<br>Rate                     | % Assigned |
|----------------------------|----------------------------|---------------------------------------|---|------------|
| Senior Engineer            |                            | · · · · · · · · · · · · · · · · · · · |   |            |
| Mark Schultz               | Senior Engineer, PE        | \$40.00                               | \$119.00                                | 60%        |
| Greg Hulmacher             | Senior Engineer, PE        | \$40.00                               | \$119.00                                | 20%        |
|                            | Senior Engineer, PE        | \$40.00                               | \$119.00                                | 20%        |
| John Dolson                | Senior Engineer, PE        | \$40.00                               | \$119,00                                | 2078       |
|                            |                            |                                       | •                                       |            |
|                            |                            |                                       |   |            |
|                            |                            |                                       |   |            |
|                            |                            | Weighted Average Rate:                | \$119.00                                |            |
| ngineer                    |                            |                                       | *************************************** |            |
| Mat Welker                 | Engineer, EIT              | \$25.00                               | \$75.00                                 | 25%        |
| Jake McNealy               | Engineer, EIT              | \$27.00                               | \$81.00                                 | 25%        |
| Danil Karasev              | Engineer, EIT              | \$27.00                               | \$81.00                                 | 25%        |
| Craig Schmit               | Engineer, PE               | \$35.00                               | \$104.00                                | 25%        |
|                            |                            |                                       |   |            |
|                            |                            |                                       | -                                       | •          |
|                            |                            |                                       |   |            |
|                            |                            | Weighted Average Rate:                | \$85.25                                 |            |
| Senior Designer/Technician |                            |                                       |   |            |
| Chris Fielder              | Technician                 | \$26.00                               | \$78.00                                 | 25%        |
| Don Bosak                  | Technician                 | \$25.50                               | \$76.00                                 | 25%        |
| Monte Hobelman             | Technician                 | \$26.00                               | \$78.00                                 | 25%        |
| Doug Sindelar              | Technician                 | \$26.00                               | \$78.00                                 | 25%        |
| Dody Grazelli              | - Common                   |                                       |   | •          |
|                            |                            |                                       |   | •          |
|                            | - Address                  | Weighted Average Rate:                | \$77.50                                 |            |
| Designer/Technician        |                            |                                       |   |            |
|                            | Tochnician                 | \$26.00                               | \$78.00                                 | 50%        |
| Chris Fleider              | Technician                 |                                       |   |            |
| Don Bosak                  | Technician                 | \$25.50                               | \$76.00                                 | 50%        |
|                            |                            |                                       |   |            |
|                            |                            | <del></del>                           |   |            |
|                            |                            | Weighted Average Rate:                | \$77.00                                 |            |
| Administrative             |                            | ***                                   | ***                                     | 4000/      |
| Margie Haney               | Acounting                  | \$20.80                               | \$62.00                                 | 100%       |
|                            |                            |                                       |   |            |
|                            |                            |                                       |   |            |
|                            |                            | Weighted Average Rate:                | \$62.00                                 | <u> </u>   |
| Survey Party Chief         |                            | magnitus i recinga trates             | 7                                       |            |
| Don Bosak                  | Survey Party Chief         | \$25.50                               | \$76.00                                 | 50%        |
| Tom Bosak                  | Survey Party Chief         | \$24.75                               | \$74.00                                 | 50%        |
|                            |                            |                                       |   |            |
|                            |                            |                                       |   | <u> </u>   |
| 44-3-44-                   |                            | Weighted Average Rale:                | \$75.00                                 |            |

SRC BILLING RATE TABLE per employee

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

| Employee Name     | Job Title & Certifications | Current Actual<br>Hourly Rate | SRC Billing<br>Rate | % Assigned |
|-------------------|----------------------------|-------------------------------|---------------------|------------|
| Surveyor I        |                            |                               |                     |            |
| Chad Vandegriend  | Survey Technician          | \$24.25                       | \$72.00             | 50%        |
| Tyler Eberspacher | Survey Technician          | \$20.80                       | \$62.00             | 50%        |
|                   | ·                          |                               |                     |            |
|                   |                            |                               |                     | ····       |
|                   |                            |                               |                     |            |
|                   |                            |                               | <del></del>         |            |
|                   |                            | Weighted Average Rate:        | \$67.00             |            |
| Indefined         |                            |                               |                     |            |
|                   | ·                          |                               |                     | 25%        |
|                   |                            |                               |                     | 25%        |
|                   |                            |                               |                     | 25%        |
|                   |                            |                               |                     | 25%        |
|                   |                            |                               |                     |            |
|                   |                            |                               |                     |            |
|                   | 100                        | Weighted Average Rate:        |                     |            |

| Consultant's Estimate of Hours   |  | Preliminary Engineerin |
|--|--|------------------------|
| And a second sec |  |                        |

Project Name: HOOPER SOUTH
Consultant: SPEECE LEWIS ENGINEE

Project Number: Control Number: ER-9 XXXX

SPECEILEWS

Consultant PM: Chris Lane

NDOT PC: TBD?

Date: April 17, 2019

| Date: April 17, 2019  |                    |  |  |  |  |  |  |                  | 5  | EECE.        | EBB  | (c)                              |                     |
|---|--------------------|--|--|--|--|--|--|------------------|--|--------------|--|----------------------------------|---------------------|
|   |                    | 26   |  |  |  | ONNEL  |  |                  |  |              |  |                                  |                     |
| ASKS  | PR                 | RLS  | ENV  | PM   | SENG   | ENG  | SDES   | DES              | ADM  | SPC          | SUR  | UND                              | Total               |
| roject Management   | 50                 | 网络   | 9843E  | \$4.5°   | 1.0  | 9.5  | 199  | \$1500           | 1  | × (3)        |  | <b>100</b>                       | 50                  |
| 1 Project Management  | 40                 |  |  |  |  |  |  |                  |  |              |  |                                  | 40                  |
| 2 Project Description / Purpose and Need  |                    |  |  |  |  |  |  | <u> </u>         | <u> </u>   | <u></u>      | L  |                                  | 3 31 33             |
| 3 Quality Assurance / Quality Contro  | 10                 |  |  |  |  |  |  |                  |  | <u> </u>     |  |                                  | . 10                |
|   |                    |  |  |  |  |  |  |                  | <u> </u>   | <u> </u>     |  |                                  | 8/9/2/96            |
|   |                    | W 112030   | Show and   | Total 1 (4)                                      | -100 4 A DV                                      | - 30-4000  | 2000 A P. 100                                    | 100 miles        | 24.5405  | 201406       | States   | 4,580,507E                       | 11211               |
| leelings:   | 16                 | 接接   | North  | GHT.   | 16   | 50423  |  | 01676V           | \$1650   | 3450         | 27)3/5   | 453                              | 32                  |
| 1 Owner Meetings.   | 12                 | <u> </u>   |  |  | 12   |  |  | <u> </u>         | ļ <u> </u>                                       | <u> </u>     | <b></b>  |                                  | 24                  |
| 2 Plan-In-Hand Meeting  |                    |  |  | <u> </u>   |  |  | ļ  |                  |  | ├            |  |                                  | 192.75              |
| 3 LPA/NDOT Coordination Meetings  |                    |  |  |  |  |  |  |                  | <u> </u>   | ļ            |  |                                  | 1,000,000           |
| 4 Meetings with Utilities   | 4                  |  |  |  | 4  |  |  | <u> </u>         | ļ  | ļ            | <u> </u>   |                                  | 89                  |
| 5 Public Involvement Planning Meetings  |                    |  |  | ļ  |  |  |  |                  | <u> </u>   | <u> </u>     |  |                                  | (31,52)             |
| 6 Key Stakeholder Outreach  |                    |  |  |  |  |  |  |                  |  | <u> </u>     |  |                                  |                     |
| 7 City Council/County Board   |                    |  |  |  | <u> </u>   |  |  |                  | <u> </u>   |              |  |                                  | 1 6 1               |
| 8 Open Houses   |                    |  |  |  |  |  |  |                  | <u> </u>   |              |  |                                  |                     |
| 9 One-on-One, Small Group Meetings  |                    |  |  |  |  |  |  |                  | <u> </u>   | <u>L</u> .   |  |                                  |                     |
|   |                    |  |  |  |  |  |  |                  | <u> </u>   |              |  | <u> </u>                         | The same            |
|   |                    |  |  | L  |  | L  |  |                  | <u></u>  |              |  |                                  | WEST STATE          |
| uirvey./  | 7.74.54<br>7.74.54 |  | 強(領)   | 1623   | 2/30   | <b>\$5.85</b>                                    | 48   | 15 TAY           | 583  | 30           | 40   | 腦盤                               | 118                 |
| 1 Preliminary Field Survey  |                    |  |  |  |  |  |  |                  |  | 20           | 20   |                                  | 40                  |
| 2 Digital Terrain Model   |                    |  |  |  | <u> </u>   |  | 20   | 1                |  |              | 10   |                                  | 30                  |
| 3 Base Map Preparation  |                    |  |  |  |  |  | 20   |                  |  |              |  |                                  | 20                  |
| 4 Horizontal and Vertical Control   |                    |  |  | T  | I  | T  | 1  |                  | T  | 4            | 4  |                                  | В                   |
|   |                    | <b>—</b>   |  |  |  |  |  | <b>-</b>         | 1  | 2            | 2  |                                  | 4                   |
|   |                    |  |  | <u> </u>   | <del>                                     </del> |  | <del></del>                                      |                  |  | 4            | 4  |                                  | 8                   |
| 6 Existing Utilities  |                    | <del>                                     </del> | <del>                                     </del> | · · · · · ·                                      | $\vdash$   |  | 8  |                  | <b>—</b>   | <b></b>      |  |                                  | 8                   |
| 7 Note Reduction / Preliminary Plotling   |                    | _  |  | <u> </u>   | <del> </del>                                     |  | Ť  | <b></b>          | <b></b>  | 1            |  |                                  | 113 4 637           |
| 8 PIH Staking the Right of Way  |                    |  |  | <del>                                     </del> | <del> </del>                                     | $\vdash$   |  |                  | $\vdash$   | ╁            |  |                                  |                     |
| 9 Negotiations Staking the Right of Way.  |                    | }  | -  |  | ├─   |  |  |                  | ┼──  | <del> </del> | <b>-</b>   | _                                | A Maria             |
|   |                    | <u> </u>   | <del> </del>                                     | <del>                                     </del> | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | <del> </del> -   | ·  | +            |  |                                  | 363260              |
|   | 26425              | 3519757  | 1876   | SAFR   | 26   | 33   | 51   | N.C253A8         | i eveki.   | 800,73       | 7.2133<br>2.2133   | 66.033                           | 111                 |
| rellininary Roadway Design (PHI/30%)  | ¥ <b>1</b> 3,      | 2.35.000   | 0.56787  | 19873  | 2.20   | 33   | 2013   | 10(4)(14)        | 10000  | 3 78,850     | 11.100   | <u>a (10.05%)</u>                | AND SAN             |
| 1 Complete Form DR-76   |                    | ļ  | -  | <del> </del>                                     | <u> </u>   | ├  |  |                  | $\vdash$   | ╂            |  |                                  | 4.6                 |
| 2 Data Collection and Review  |                    | <b></b>  | <del> </del>                                     | ┢  | 1  | 2  | 2  | <del> </del>     | <del> </del>                                     | 1            | <del> </del> -   |                                  | 5                   |
| 3 Roadway Horizontal Alignment  |                    |  | <del>                                     </del> | <del> </del>                                     | 1  | 1  | 2  |                  | -  | -            |  |                                  | 4                   |
| 4 Rodaway Vertical Asyllinett   |                    |  |  | <del>                                     </del> | 1  | 4  | 6  |                  | 1  | ╅┈┈          |  |                                  | 11                  |
| 5 Template Roadway Cross sections   |                    |  | <del>                                     </del> |  | <del>                                     </del> | 2  | 6  |                  | -  | -            |  |                                  | - 8                 |
| 6 Limits of Construction  | <u> </u>           | <b></b>  |  | $\vdash$   | 1  | 4  | 4  | -                | <del>                                     </del> | 1            |  |                                  | 9                   |
| 7 Earthwork   |                    |  | <del> </del>                                     | <del> </del>                                     |  | 2  | 2  |                  | 1  | ┼            |  |                                  | - 4                 |
| 8 Roadway Geometric Design  |                    |  | -  |  | -  |  | 2  |                  | ┪  | ┼─           |  | -                                | 2                   |
| 9 Roadway and Driveway Culverts   | _                  |  | -  | -  | 1  | 1  | 1  | ├                | $\vdash$   | $\vdash$     |  |                                  | 3                   |
| 10 Construction and Removal   |                    |  | -  |  | _  | 1  | 1  | ├                | ┼  |              |  |                                  | 2                   |
| 11 Utility Coordination/Verification  |                    |  | ļ  |  | 2  | ļ  | ├  |                  | ऻ  | $\vdash$     |  | <b></b>                          | 4                   |
| 12 Construction Phasing/Detour Route/Temporary Roads  |                    |  | -  |  | -  | <u> </u>   |  | -                | ╄  | -            |  |                                  | 6                   |
| 13 Erosion Control  | L                  |  | <b></b>  | ļ  | <del> </del>                                     | 2  | 4  | 1                |  | ┼            |  | <b> </b>                         |                     |
| 14 Quantities/Estimates   | <u> </u>           | <u> </u>   |  | -  | <u> </u>   | 8  | 8  | ļ                | <del> </del>                                     | 1            | <u> </u>   |                                  | 16                  |
| 15 Typical Sections   | <u> </u>           |  |  | <u> </u>   | 1  | 1  | 2  | <del> </del>     | 1  | 1-           |  |                                  | 4                   |
| 16 2W/2A Sheets   |                    |  | L  |  | <u> </u>   | <b></b>  | 4  | _                | 1-   | <b> </b>     |  | <u> </u>                         | 4                   |
| 17 Guardrail  |                    | <u> </u>   |  |  | <u> </u>   |  |  | ļ                | <b> </b>   | ļ            |  | ļ                                | <b>新教教</b>          |
| 18 Floodplain Identification  |                    |  |  |  | 4  | $oxed{oxed}$                                     | <u> </u>   | <b> </b>         | <u> </u>   |              |  |                                  | 4                   |
| 19 Floodplain Permitting  | L                  |  |  |  | 4  | <u></u>  |  |                  |  |              |  |                                  | 4                   |
| 20 Plan-in Hand Meeting/Report  |                    |  |  |  | 6  | 6  | 8  | L                |  |              |  |                                  | 20                  |
| 21 Working Day Calculations   | 1                  |  | T  |  | 4  |  |  | [                |  |              |  |                                  | 2 5                 |
| 22 Pavement Determination   |                    |  |  | T  | 1  |  | T  | Ι'''''           | Г  |              |  | Ī                                | 素素療                 |
| ZZ Cavenigia Deligitariadum   |                    |  |  | <b>T</b>   |  | T  | 1  |                  |  | 1            |  |                                  | 製器                  |
| unctional Plans (60%)   | 42                 | 405%   | 2014年  | EM657  | 6  | 4.   | 28   | 4470             |  | 14.5         | 2 % 1 %<br>3 7 7 2 %   | 1. 12.15                         | 42                  |
|   | -1.7               | 4.500  | 25-11 and  | - V-1005-  | 4  |  | 16   | T                | 1  |              | 1  |                                  | 20                  |
| 1 Functional plans  | 4                  | 1  | <del>                                     </del> | <del> </del>                                     | 2  | 4  | 4  |                  | 1  | 1            | l  |                                  | 14                  |
| 2 Quantity estimates  | Ė                  | <b> </b>   |  | <del>                                     </del> | <del>                                     </del> |  | 8  | t                | 1  | l            |  | İ                                | . 8                 |
|   | L                  | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     |  |  | <u> </u>   | l                | 1  | 1            |  |                                  |                     |
|   |                    |  |  |  |  | 1  |  | 1                | 1  | -            |  | <b>!</b>                         |                     |
|   |                    | -  |  |  |  | 1  |  | 1                | 1  | ĺ            |  |                                  | 1分類など               |
| 3 Sixty percent plan submittal  | E 5490             | TEV-3511   | (S) (S)  |  | langi.   | 1721   | 1.72   | 12.574           | 1 S  |              | 2 K 5  | 1,24,28,                         | 200                 |
| 3 Sixty percent plan submittal  | 6                  |  |  | (C) a- 1   | 4  | 2  | 16   | 74 M             | 1 (5)<br>1 (5)                                   |              | e je s<br>Vije,  |                                  | 28                  |
| 3 Sixty percent plan submittal  Yaft PS&E Submittal (90%) plan review   | 6                  | Tiveti<br>(*13.8)                                | 103103<br>2013.20                                | 57.77  | 4  | <b>2</b>   | 16<br>8  | 14 V/4           | 3 K) (   |              | 2 15 N<br>2 25 N   |                                  | 28<br>10            |
| 3 Sixty percent plan submittal  (20%) plan review  Incorporate review comments  | 4                  | [ T2V (\$2)]<br>  \$2 (3) (4)                    |  | 57 - 1<br>17 - 1                                 | 4  |  | 8  | 7.0              |  |              | 2 K N  |                                  | 28<br>10<br>4       |
| 3 Sixty percent plan submittal  raft PS&E Submittal (90%) plan review  1 Incorporate review comments 2 Opinion of probable cost | 51.133             |  | (5) (3)<br>(4) (3)                               |  | 4  |  | 4  | 10.07<br>3.11    |  |              | 2 35 5<br>2 3<br>2 3<br>2 3<br>2 3<br>2 3<br>2 3<br>2 3<br>2 3<br>2 3<br>2 3 | 7 (2.48)<br>7 (2.48)<br>8 (2.48) | 28<br>10<br>4<br>14 |
| 3 Sixty percent plan submittal  Pratt PS&E Submittal (90%) plan review  1 Incorporate review comments                           | 4                  |  | (0) (3)<br>(4) (5)                               |  |  |  | 8  | 76. 774<br>78. 3 |  |              | 2 787 8  | 2                                | 28<br>10            |

| PR<br>2     | RLS           | ENV  | PM  |                         | , in K                                   | SDES<br>16  |   |  |              |                | STATE           | Total                                    |
|-------------|---------------|--|---|-------------------------|--|---|---|--|--------------|----------------|-----------------|--|
|             | 1             |  | , - m,                                      | 215-275                 | 232                                      |   |   |  |              |                |                 | ( 20 ±                                   |
|             |               |  | 1   |                         |  | 4   |   | ł  |              |                |                 | 1.4                                      |
| <b></b>     |               |  |   | 2                       |  |   |   |  |              |                |                 | 25                                       |
| <del></del> | ļ             | ļ  |   |                         |  | 2   | ļ                                       |  | <u> </u>     |                |                 | 4  |
|             | <del></del>   |  |   |                         |  | 4   | <del> </del> -                          |  |              |                |                 | 3.4                                      |
|             |               | <del>                                     </del> |   |                         |  | 2   |   |  |              |                |                 | 2  |
| 2           |               |  |   |                         |  |   |   |  |              |                |                 | / 2 ·                                    |
|             |               |  |   |                         |  |   |   |  | <u> </u>     |                |                 |  |
| <u> </u>    | <u> </u>      | ļ  |   |                         |  |   |   |  |              |                |                 |  |
| 355200      | QUOLE II      | JES 510  | 12-43-500                                   | 2000 (400<br>2000 (400) | ėsi ses                                  | News Arm  | a - 30960                               | V2758  | MANAGEY      | 35.6690        | 76,7865         | 2007/12/20<br>2007/2016/40               |
| 27/2/5/30   | 0.500         | 1,723,25   | Pen St                                      | 241036                  | 0/995                                    | 2000  | 1.2529                                  | 27,411,377                                       | 2438         | 750000         | tear Ve         | Medica.                                  |
|             |               |  |   |                         |  |   |   |  | -            |                |                 |  |
|             |               |  |   |                         |  |   |   |  |              |                |                 | A MAN                                    |
| <u> </u>    | ļ!            | <u> </u>   |   |                         |  |   |   | <u> </u>   | ļ            |                |                 |  |
| <del></del> | <del></del>   |  |   |                         |  |   | <u> </u>                                | -  | <u> </u>     | <del> </del> - |                 |  |
| <del></del> | <del> </del>  |  |   |                         |  |   |   | <del>                                     </del> | <del> </del> |                | _               | Marian<br>Likata                         |
| 3551923     | 700/1354      | 15000  | 20/15%                                      | 1 22                    | N14%                                     | #74.75 C  | 7778N                                   | Sanger.  | 3686         | False          | 1068            | 44                                       |
| area (No.)  | 1 (2.775)     |  |   | 2                       | 2  |   |   | 2 11 30 27 1                                     | 1            | 25.27          | ,.c',-          | 4  |
|             |               |  |   | 8                       | 4  |   |   |  |              |                |                 | > ∖12                                    |
|             |               |  |   | 8                       | 8  |   |   |  | Ļ            |                |                 | - 16                                     |
| <b> </b>    | ļ             |  |   |                         | <b> </b>                                 |   |   | <u> </u>   | 8            |                |                 | 8.5<br>3.4.1                             |
|             | <del> </del>  | <del> </del>                                     |   | 4                       | <b>—</b>                                 |   |   |  |              | -              |                 | <u> 8 円 年</u> 元<br>新円ルマ                  |
|             |               | -  |   | <b>-</b>                |  |   |   | $\vdash$   | -            | -              | _               | ジンコール<br>製金 京                            |
| 35633       | -7-03%        | 65.2   | 6535  | 10/3/8                  | er kejek                                 | VA(3));   | ( %)                                    | 605.13   | ELITE        | 5373           | 755A            | 100                                      |
|             |               |  |   |                         |  |   |   |  |              |                |                 | 129.00g                                  |
|             |               |  |   |                         |  |   |   |  |              |                |                 |  |
|             |               |  |   |                         |  |   |   |  |              | <u> </u>       |                 |  |
| TORK        | 多為            | 1200   | 간별뜋   | 24                      | 學等                                       | 24  | 7457                                    | 建裝   | 25/28/       | 安沙美            | in Ma           | 48                                       |
| ļ           | <u> </u>      | <u> </u>   |   |                         |  |   | ļ                                       |  | <u> </u>     | <u> </u>       |                 |  |
|             |               |  | _   |                         |  |   |   |  | <del> </del> | ļ              |                 | Anten ille<br>Singlific                  |
|             |               | <u> </u>   |   | 24                      |  | 24  |   |  |              | $\vdash$       |                 | 48                                       |
|             |               |  |   |                         |  |   |   |  |              |                |                 | 200 AV                                   |
|             |               |  |   |                         |  |   |   |  |              |                |                 |  |
|             | <u> </u>      |  |   |                         |  |   | ļ                                       | ļ <u> </u>                                       | _            |                |                 | 4378)<br>4278                            |
| <del></del> | ļ             | ļ  |   |                         |  |   |   |  |              | <u> </u>       |                 | io in<br>Notes                           |
|             | ļ <u>.</u>    | -  |   |                         |  |   |   |  |              |                |                 | Marian<br>Marian                         |
| ·           |               |  |   |                         |  |   | <b></b>                                 |  |              |                |                 | 13. 13.                                  |
| 247         | (E) 1.1       | es Weg   | 文설반   | 18                      | DOW.                                     | 780 Yes   | 76 - 10                                 |  | 13.113       | Sec.           | 编点的             | 35                                       |
| 8           |               |  |   |                         |  |   |   |  |              |                |                 | 8  |
| 2           |               |  |   |                         |  |   |   |  |              |                |                 | . 2                                      |
| <b></b>     |               | <u> </u>   | <u> </u>                                    | <u>;</u>                |  |   |   |  | ļ            |                |                 | e eller i S                              |
|             |               |  |   | 4                       |  |   |   |  |              |                |                 | 5<br>1 2                                 |
|             |               | -  |   |                         |  |   |   |  |              |                |                 | //: .2 ··                                |
| 1           |               | <del>                                     </del> |   |                         | · · · · · · · · · · · · · · · · · ·      |   |   |  |              |                |                 | 2000 T                                   |
| 1           |               |  |   | 2                       |  |   |   |  |              |                |                 | 3  |
|             |               |  |   |                         |  |   |   |  |              |                |                 | 0725                                     |
|             |               |  |   | 8                       |  |   |   |  |              |                |                 | 8.0                                      |
|             |               |  |   | 2                       |  | $\Box$  |   |  |              |                |                 | 2.0                                      |
| <b></b>     |               |  | <u> </u>                                    | 2                       |  | ļl  |   |  | <u> </u>     |                |                 | 2  |
| <b></b>     |               |  |   |                         |  |   |   |  | <u> </u>     |                |                 |  |
|             | ļ             | ├─   | <u> </u>                                    |                         |  | $\vdash$  | <u> </u>                                |  | <u> </u>     |                |                 |  |
| 1,445,751   | 80.1 V (2.1   | , 250cV  | gi ta se                                    | ~ // a                  | Respirate                                | 1   | 1.<br>1.3.5 (i)                         | . Ones   | N 11         | 75,41          |                 | 16                                       |
| 11, WE      | 37 194        | arthy A  | \$4 A                                       | -31 <b>4</b> ( )        | S. P. S. P.                              | 4   | 3, 500                                  |  | 34,          | WORL           |                 | 10                                       |
|             | <del> </del>  | -  |   |                         |  | $\vdash$  | <del></del>                             |  | <b></b>      |                | $\vdash \dashv$ | 600 m                                    |
|             | $\vdash$      | <b>—</b>   |   | 12                      |  | 4   |   |  |              |                |                 | 3. 1 · · · · · · · · · · · · · · · · · · |
|             | $\vdash$      |  | - <del></del>                               | , <u>,,,</u>            |  |   |   |  |              |                |                 | #*************************************   |
|             | $\vdash$      | <del>                                     </del> |   |                         |  |   |   |  | l            |                | $\dashv$        |  |
| Sec. Veres  | 5.77          | 2555   | 11. 20                                      | 大型人                     | 777.                                     | 1574  | 1,577                                   | 55%  | 7.7          | 1947-3<br>180  | 77.77.3         | 10.57.2                                  |
| 1 (-)       |               | 13.  | 19.4  |                         |  | ·   |   |  |              |                |                 | 175                                      |
|             |               |  |   |                         |  |   |   |  |              |                |                 | 1360                                     |
|             |               |  | I   |                         |  |   |   |  |              |                |                 | 200 DE                                   |
|             |               |  | *****                                       | _                       | _  |   |   |  |              |                |                 |  |
|             |               |  |   |                         | 6.625                                    | 23.38   |   |  |              | ÷5./           |                 | 68                                       |
|             | 7 8 2 1 2 2 1 | 177 8 8 2 1 1 2 2 1 1 1 1                        | 117 8 8 2 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 |                         | 22 2 2 4 24 24 24 24 24 24 24 24 24 24 2 | 22 14<br>2 2 2<br>8 4<br>8 8<br>8 8<br>9 2<br>1 4<br>2 2<br>1 1 4<br>2 2<br>2 1 1 2 | 2 2 2 3 4 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 | 2  | 2            | 2              | 2               | 2  |

## **Direct Expenses**

## **Preliminary Engineering**

Project Name: HOOPER SOUTH Project Number: ER-9
Consultant: SPEECE LEWIS ENGINEERS, INC. Control Number: xxxx

Consultant PM: Chris Lane

LPA RC: Scott Huppert
NDOT PC: TBD?

Date: April 17, 2019



| consultants:   |  |                    |                                       |
|--|--|--------------------|---------------------------------------|
|  |  | 0.86               | CONTRACTOR OF THE SANGER OF THE PARTY |
|  |  |                    |                                       |
|  |  | #445<br>244<br>446 |                                       |
|  |  | 7                  | 4.5                                   |
|  |  | Subtotal           | · · · · · · · · · · · · · · · · · · · |
| ting and Reproduction:                                   | Qty  | Unit Cost          | Amount                                |
| Full Size Prints   | 50   | \$5.00             | <b>\$25</b> 0.                        |
| 11x17 Copies/prints                                      | 100  | \$0.35             | \$35.                                 |
|  |  |                    |                                       |
|  |  |                    |                                       |
|  |  | Subtotal           | \$285.                                |
| age/Travel:  | Qty  | Unit Cost          | Amount                                |
| Mileage  | 500  | \$0.580            | \$290.                                |
| ivilicage  |  |                    |                                       |
|  |  |                    |                                       |
|  |  |                    | 776                                   |
|  |  | Subtotal           | \$290.                                |
| ging/Meals:  | Qty  | Unit Cost          | Amount                                |
| 25 Hotel nights (price includes taxes as allowed by FAR) |  | \$120.00           |                                       |
| 39 meals   |  | \$55.00            |                                       |
| 39 meais   |  | \$30.00            |                                       |
|  |  | <u> </u>           |                                       |
|  |  | Subtotal           |                                       |
| r Miscellaneous Costs:                                   | Qty  | Unit Cost          | Amount                                |
| <u></u>  |  |                    |                                       |
| Title Research   |  | \$200.00           | Towns (Land                           |
|  |  |                    |                                       |
|  |  | Subtotal           |                                       |
| AL DIRECT EXPENSES                                       | The Made Age of the Asset of th |                    | \$575.                                |

## Project Cost & Breakdown Project Name: HOOPER SOUTH Consultant: SPEECE LEWIS ENGINEERS, INC. Consultant PM: Chris Lane NDOT PC: TBD? Project Number: ER-9 Control Number: xxxx

| LABOR COSTS                |        |               |  |  |  |  |  |
|----------------------------|--------|---------------|--|--|--|--|--|
| Classification             | Hours  | Weighted Rate | Amount   |  |  |  |  |
| Principal                  | 96.00  | \$193.00      | \$18,528.00  |  |  |  |  |
| Registered Land Suveyor    |        |               | KI STATE OF THE PARTY OF THE PA |  |  |  |  |
| Environmental Scientist    |        | \$74.70       |  |  |  |  |  |
| Project Manager            |        | \$193.00      |  |  |  |  |  |
| Senior Engineer            | 130.00 | \$119.00      | \$15,470.00  |  |  |  |  |
| Engineer                   | 53.00  | \$85.25       | \$4,518,25   |  |  |  |  |
| Senior Designer/Technician | 187.00 | \$77.50       | \$14,492,50  |  |  |  |  |
| Designer/Technician        |        | \$77.00       |  |  |  |  |  |
| Administrative             |        | \$62.00       |  |  |  |  |  |
| Survey Party Chief         | 38.00  | \$75.00       | \$2,850.00   |  |  |  |  |
| Surveyor I                 | 40.00  | \$67.00       | \$2,680.00   |  |  |  |  |
| Undefined                  |        |               |  |  |  |  |  |
|                            | 544.00 | Subtotal      | \$58,538.75  |  |  |  |  |

| 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         | \$58,538.75 |
| Direct Expenses     | \$575.00    |
| TOTALCOST           | \$59,113.75 |

SPEECE | LEWIS

Date: April 17, 2019