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# 15,100

May 25, 2018

Judge John Horn  
 Hunt County Courthouse  
 2507 Lee Street  
 Greenville, Texas 75401

FILED FOR RECORD  
 at 9:22 o'clock a.m.  
 MAY 29 2018  
 JENNIFER LINDENZWEIG  
 County Clerk, Hunt County, TX  
 By *J. Lindenzweig*

**Re: Hunt County Bond Program – Amendment #2 to Work Authorization #1**

Judge,

This letter contains a summary of the task authorizations for execution related to commissioner's court approval on May 22, 2018 of Amendment No. 2 to Work Authorization No. 1.

| Task Authorizations                         | Authorized Amount     |
|---|-----------------------|
| 2.1 – FM 1570 N (IH-30 to SH 66)            | \$294,360.00          |
| 2.2 – FM 1570 S (IH-30 to SH 34)            | \$235,160.00          |
| 2.7 – FM 36 (FM 1903 to Joshua St.)         | \$190,520.00          |
| 2.8 – FM 1903 (IH-30 to FM 36)              | \$209,900.00          |
| 2.9 – SH 24 & SH 11 TAMU/Commerce           | \$72,000.00           |
| <b>Total Amendment No. 2 Authorization:</b> | <b>\$1,001,940.00</b> |

Thank you for the opportunity to provide these services for Hunt County

Sincerely,

Freese and Nichols, Inc.

Chris Bosco, P.E.  
 Program Manager, Principal

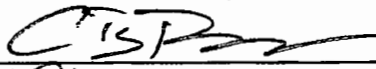




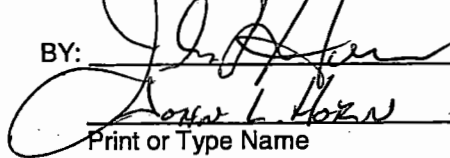
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|--|--|---------------------|
| <b>Client:</b> Hunt County<br>Hunt County Courthouse<br>2507 Lee Street<br>Greenville, Texas 75401   | <b>FNI Project No.:</b> TBD<br><br><b>Phase/Task/Dept. No.:</b> 2.2 FM 1570 (S)<br><br><b>Date:</b> May 24, 2018 |                     |
| <b>This authorization is in accordance with the terms and conditions outlined in the Master Agreement executed on April 11, 2017</b>   |  |                     |
| <b>Project Description:</b> 2.2 FM 1570 S (IH 30 to SH 34)   |  |                     |
| <b>Description of Services:</b> See attached Scope of Services.<br><br>Task 2.2.1 ROW Survey / Mapping – Perform boundary survey tasks and develop right-of-way control maps in accordance with TxDOT standards to establish the existing roadway rights-of-way.<br><br>Task 2.2.2 Conceptual Design Study – Develop conceptual designs to evaluate alternative roadway and bridge typical sections, intersection configurations, and alignment alternatives in collaboration with TxDOT, the IH 30 consultant and Hunt County stakeholders. |  |                     |
| <b>Compensation shall be as follows:</b><br><br>In accordance with terms establish in Master Agreement for Professional Services associated with the Hunt County Transportation Bond Program executed on April 11, 2017. FNI Contract filed under HUC17265.  |  |                     |
| Task 2.2.1   | <b>ROW Survey and Mapping</b>  | <b>\$97,460.00</b>  |
| Task 2.2.2   | <b>Conceptual Design Study</b>   | <b>\$137,700.00</b> |
|  | <b>Amended Authorization Amount</b>  | <b>\$235,160.00</b> |
| <b>Schedule shall be as follows:</b><br>In accordance with the Program Schedule  |  |                     |

*The above described services shall proceed upon return of this Task Authorization. Services will be billed as they are done. All other provisions, terms, and conditions of the agreement for services which are not expressly amended shall remain in full force and effect.*

**FREESE AND NICHOLS, INC.:**

BY:   
Chris B. Bosco  
 Print or Type Name  
  
 TITLE: Principal  
  
 DATE: 5/25/18

**HUNT COUNTY:**

BY:   
County Judge  
 Print or Type Name  
  
 TITLE: County Judge  
  
 DATE: 5/29/18



**SCHEDULE A  
TASK AUTHORIZATION  
WA #1 Amendment #2**

|   |   |                     |
|---|---|---------------------|
| <b>Client:</b> Hunt County<br>Hunt County Courthouse<br>2507 Lee Street<br>Greenville, Texas 75401  | <b>FNI Project No.:</b> TBD<br><hr/> <b>Phase/Task/Dept.</b> 2.7 FM 36<br><hr/> <b>Date:</b> May 24, 2018 |                     |
| <p><b>This authorization is in accordance with the terms and conditions outlined in the Master Agreement executed on April 11, 2017</b></p>   |   |                     |
| <p><b>Project Description:</b> 2.7 FM 36 (FM 1903 to Joshua St.)</p>  |   |                     |
| <p><b>Description of Services:</b> See attached Scope of Services.</p> <p>Task 2.7.1 ROW Survey / Mapping – Perform boundary survey tasks and develop right-of-way control maps in accordance with TxDOT standards to establish the existing roadway rights-of-way.</p> <p>Task 2.7.2 Conceptual Design Study – Develop conceptual designs to evaluate alternative roadway and bridge typical sections, intersection configurations, and alignment alternatives in collaboration with TxDOT, the IH 30 consultant and Hunt County stakeholders.</p> |   |                     |
| <p><b>Compensation shall be as follows:</b></p> <p>In accordance with terms establish in Master Agreement for Professional Services associated with the Hunt County Transportation Bond Program executed on April 11, 2017. FNI Contract filed under HUC17265.</p>  |   |                     |
| Task 2.7.1  | ROW Survey and Mapping  | \$87,120.00         |
| Task 2.7.2  | Conceptual Design Study   | \$103,400.00        |
| <b>Total Authorization Amount</b>   |   | <b>\$190,520.00</b> |
| <p><b>Schedule shall be as follows:</b><br/>                 In accordance with the Program Schedule</p>  |   |                     |

*The above described services shall proceed upon return of this Task Authorization. Services will be billed as they are done. All other provisions, terms, and conditions of the agreement for services which are not expressly amended shall remain in full force and effect.*

**FREESE AND NICHOLS, INC.:**

BY: 

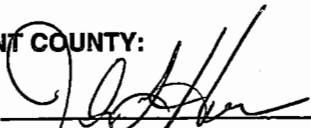
Chris B. Basco

Print or Type Name

TITLE: Principal

DATE: 5/25/18

**HUNT COUNTY:**

BY: 

County Judge  
 Print or Type Name

TITLE: County Judge

DATE: 5/29/18



**SCHEDULE A  
TASK AUTHORIZATION  
WA #1 Amendment #2**

|  |                                     |                     |
|--|-------------------------------------|---------------------|
| <b>Client:</b> Hunt County<br>Hunt County Courthouse<br>2507 Lee Street<br>Greenville, Texas 75401   | <b>FNI Project No.:</b> TBD         |                     |
|  | <b>Phase/Task/Dept.</b> 2.8 FM 1903 |                     |
|  | <b>Date:</b> May 24, 2018           |                     |
| <b>This authorization is in accordance with the terms and conditions outlined in the Master Agreement executed on April 11, 2017</b>   |                                     |                     |
| <b>Project Description:</b> 2.8 FM 1903 (FM 1903 to Joshua St.)  |                                     |                     |
| <b>Description of Services:</b> See attached Scope of Services.<br><br>Task 2.8.1 ROW Survey / Mapping – Perform boundary survey tasks and develop right-of-way control maps in accordance with TxDOT standards to establish the existing roadway rights-of-way.<br><br>Task 2.8.2 Conceptual Design Study – Develop conceptual designs to evaluate alternative roadway and bridge typical sections, intersection configurations, and alignment alternatives in collaboration with TxDOT, the IH 30 consultant and Hunt County stakeholders. |                                     |                     |
| <b>Compensation shall be as follows:</b><br><br>In accordance with terms establish in Master Agreement for Professional Services associated with the Hunt County Transportation Bond Program executed on April 11, 2017. FNI Contract filed under HUC17265.  |                                     |                     |
| Task 2.8.1   | ROW Survey and Mapping              | \$95,700.00         |
| Task 2.8.2   | Conceptual Design Study             | \$114,200.00        |
| <b>Total Authorization Amount</b>  |                                     | <b>\$209,900.00</b> |
| <b>Schedule shall be as follows:</b><br>In accordance with the Program Schedule  |                                     |                     |

*The above described services shall proceed upon return of this Task Authorization. Services will be billed as they are done. All other provisions, terms, and conditions of the agreement for services which are not expressly amended shall remain in full force and effect.*

**FREESE AND NICHOLS, INC.:**

BY: \_\_\_\_\_

*Chris B Bosco*  
 Chris B Bosco

Print or Type Name

TITLE: Principal

DATE: 5/25/18

**HUNT COUNTY:**

BY: \_\_\_\_\_

*John L. Horn*  
 John L. Horn

Print or Type Name

TITLE: County Judge

DATE: 5/29/18



**SCHEDULE A  
TASK AUTHORIZATION  
WA #1 Amendment #2**

|   |  |                    |
|---|--|--------------------|
| <b>Client:</b> Hunt County<br>Hunt County Courthouse<br>2507 Lee Street<br>Greenville, Texas 75401  | <b>FNI Project No.:</b> TBD                  |                    |
|   | <b>Phase/Task/Dept. No.:</b> 2.9 SH 24/SH 11 |                    |
|   | <b>Date:</b> May 24, 2018                    |                    |
| This authorization is in accordance with the terms and conditions outlined in the Master Agreement executed on April 11, 2017   |  |                    |
| <b>Project Description:</b> 2.9 SH 24 & SH 11 Commerce  |  |                    |
| <b>Description of Services:</b> See attached Scope of Services.<br><br>Task 2.9.1 - Corridor Traffic Data Collection. Subcontract with a traffic data collection consultant to collect 24-hour and peak-hour vehicular traffic and pedestrian counts during a typical week day during spring session of TAMU Commerce.<br><br>Task 2.9.2 – Existing Conditions Assessment. Prepare and Existing Conditions Traffic Report for the study area to be used as baseline for subsequent operational analysis of proposed concepts presented in the Reimagine Commerce Study. |  |                    |
| <b>Compensation shall be as follows:</b><br><br>In accordance with terms establish in Master Agreement for Professional Services associated with the Hunt County Transportation Bond Program executed on April 11, 2017. FNI Contract filed under HUC17265.   |  |                    |
| Task 2.9.1  | Corridor Traffic Data Collection             | \$20,600.00        |
| Task 2.9.2  | Existing Conditions Assessment               | \$51,400.00        |
|   | <b>Total Authorization Amount</b>            | <b>\$72,000.00</b> |
| <b>Schedule shall be as follows:</b><br>In accordance with the Program Schedule   |  |                    |

*The above described services shall proceed upon return of this Task Authorization. Services will be billed as they are done. All other provisions, terms, and conditions of the agreement for services which are not expressly amended shall remain in full force and effect.*

**FREESE AND NICHOLS, INC.:**

BY: 

Chris B Bosco  
Print or Type Name

TITLE: Principal

DATE: 5/25/18

**HUNT COUNTY:**

BY: 

John L. Hoizen  
Print or Type Name

TITLE: County Judge

DATE: 5/29/18

## SCOPE OF SERVICES

### Hunt County – Transportation Bond Program Management Services

#### Amendment #2 to Work Authorization #1

The amendment to the scope of services set forth herein represent additions to the scope of services to be performed by the ENGINEER (Freese and Nichols, Inc.).

#### OBJECTIVES

Perform initial planning and conceptual design in collaboration with TxDOT, the IH 30 design consultant, and Hunt County stakeholders to evaluate alternatives for the ultimate roadway section, footprint, and alignments as necessary to identify right-of-way requirements at the IH 30 interchanges and along the project corridors described in the table below:

|                       |                                    |
|-----------------------|------------------------------------|
| Bond Program Item 2.1 | FM 1570 (from IH 30 to SH 66)      |
| Bond Program Item 2.2 | FM 1570 (from IH 30 to SH 34)      |
| Bond Program Item 2.7 | FM 36 (from FM 1903 to Joshua St.) |
| Bond Program Item 2.8 | FM 1903 (from IH 30 to FM 36)      |

Obtain existing traffic data and perform operational and safety analysis associated with existing traffic conditions. This will serve as a baseline for developing future year traffic forecasts and performing operational analysis related to the "Reimagine Commerce" concepts previously developed by The Toole Design Group.

|                  |                              |
|------------------|------------------------------|
| Program Item 2.9 | SH 24 and SH 11- Commerce TX |
|------------------|------------------------------|

#### ADDED TASKS AS PART OF THIS AMENDMENT

| Project Corridor                           | Task Nos.                     | Task Description                          |
|--|-------------------------------|---|
| FM 1570 N., FM 1570 S.,<br>FM 1903, FM 36  | 2.1.1, 2.2.1,<br>2.7.1, 2.8.1 | Right-of-Way Boundary Surveys and Mapping |
| FM 1570 No., FM 1570 So.<br>FM 1903, FM 36 | 2.1.2, 2.2.2,<br>2.7.2, 2.8.2 | Roadway Conceptual Design and Analysis    |
| SH 24, SH 11                               | 2.9.1                         | Corridor Traffic Data Collection          |
| SH 24, SH 11                               | 2.9.2                         | Existing Conditions Assessment            |

## SCOPE OF SERVICES

### **Right-of-Way Boundary Surveys and Mapping (Task Nos. 2.1.1, 2.2.1, 2.7.1, 2.8.1)**

Perform boundary survey tasks and develop right-of-way control maps in accordance with TxDOT standards to establish the existing roadway rights-of-way along the limits of following roadways:

- Bond Program Item 2.1 - FM 1570 (from IH 30 to SH 66)
- Bond Program Item 2.2 - FM 1570 (from IH 30 to SH 34)
- Bond Program Item 2.7 - FM 36 (from FM 1903 to Joshua St.)
- Bond Program Item 2.8 - FM 1903 (from IH 30 to FM 36)

### **Roadway Conceptual Design and Analysis (Task Nos. 2.1.2, 2.2.2, 2.7.2, 2.8.2)**

- a. From the boundary surveys performed along each roadway corridor described above, establish the existing baseline horizontal geometry for each roadway corridor.
- b. Collaborate with TxDOT, Hunt County stakeholders, and the IH 30 consultant to identify and evaluate alternative alignments associated with each IH 30 interchange location.
- c. Develop conceptual designs and evaluate alternative roadway and bridge typical sections, intersection configurations, and alignment alternatives in collaboration with TxDOT, the IH 30 consultant and Hunt County stakeholders.
- d. Perform preliminary analysis of various design alternatives. Include in the analysis preliminary right-of-way and construction cost estimates, construction sequencing, and maintenance considerations associated with each design alternative.
- e. Deliverables will include a Feasibility/Alternatives Conceptual Design Report and Roll Plots depicting the roadway alignment alternatives. Roll plots will feature aerial imagery background and depict the proposed right-of-way associated with each design alternative.

### **SH 24 & SH 11 Corridor Traffic Data Collection (Task No. 2.9.1)**

Subcontract with a traffic counting firm at key locations described below to collect 24-hour and peak-hour vehicular traffic and pedestrian counts during a typical week day during the spring session of TAMU/C. Obtain this traffic data at the following locations:

- Along SH 24 and frontage roads adjacent to the TAMU/C campus to include the intersections at Culver Street, Morris Drive, Smith Drive, the HAWK pedestrian crossing, University Drive, and Live Oak Street.
- Along SH 24 north of Live Oak Street including the intersections at SH 224, SH 11 and SH 50.
- Along SH 11 (Culver Street) between SH 24 and Maple Street including the HAWK pedestrian crossing and intersections at Monroe Street, Washington Street, Magnum Street, FM 3218, and Maple Street.



**SH 24 & SH 11 Existing Conditions Assessment (Task No. 2.9.2)**

- a. *Obtain field measurements and aerial imagery to create base drawings for the representation of the existing conditions and operations assessment.*
- b. *Obtain from TxDOT the most recent three years of available crash history data for the study area described above.*
- c. *Gather parking accumulation data along the SH 24 frontage roads adjacent to the TAMU/C campus.*
- d. *Perform travel time computations along the SH 24 and SH 11 corridors to serve as a baseline for traffic model development and comparison of travel times associated with the existing signalized intersections and roadway conditions to proposed roundabouts and traffic calming applications envisioned in the Reimagine Commerce Study.*
- e. *Compute the level of service, intersection delay, and volume to capacity ratios for the existing intersections and roadway conditions. Identify geometric and operational issues that that may be causal factors for excessive travel delays and crashes.*
- f. *Prepare an Existing Conditions Report for the study area to be used as baseline for subsequent operational analysis of proposed concepts presented in the Reimagine Commerce Study. Provide a draft report to TxDOT, Hunt County, TAMU/C and to the City of Commerce for review and comment.*

**ADDITIONAL SERVICES NOT INCLUDED IN THIS AMENDMENT**

- a. *Topographic and underground utility surveys (SUE)*
- b. *Geotechnical investigations*
- c. *Geometric Schematic and Environmental Services*
- d. *Hydraulic and Structures Design*
- e. *Final Roadway Design*
- f. *Right-of-way parcel descriptions and Final Right-of-Way Map*
- g. *Traffic operations analysis for the proposed conditions described in the Reimagine Commerce Study.*