



**SUPPLEMENTAL WORK AUTHORIZATION NO. 3  
TO  
WORK AUTHORIZATION NO. 1**

**WILLIAMSON COUNTY ROAD BOND PROJECT:**

**Bagdad Road at CR 278**

This Supplemental Work Authorization No. 3 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated February 12, 2016 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Lockwood, Andrews & Newnam, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective March 30, 2016 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

**AGREEMENT**

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the County that were set out in the original Attachment "A" of the Work Authorization are not amended.
- II. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached)
- III. The Work Authorization shall terminate on August 31, 2019. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).
- IV. The maximum amount payable for services under the Work Authorization is hereby increased from \$493,717.00 to \$514,704.00. The revised Work Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

**IN WITNESS WHEREOF**, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

**ENGINEER:**

By: Robert D. Austin  
Signature

Robert D. Austin, P.E.  
Printed Name

Sr. Associate, Team Leader  
Title

April 12, 2018  
Date

**COUNTY:**

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

**LIST OF ATTACHMENTS**

- Attachment B - Services to be Provided by Engineer
- Attachment C - Work Schedule
- Attachment D - Fee Schedule

*OK  
m 4/13/18*

**ATTACHMENT B**  
**SERVICES TO BE PROVIDED BY THE ENGINEER**  
**FOR BAGDAD ROAD AT CR 278**

**PROJECT DESCRIPTION**

**Existing Facility**

The existing Bagdad Road consists of one 11 foot lane in each direction with three foot shoulders within existing right of way varying between 70 to 80 feet. CR 278 consists of one 9 foot lane in each direction to the east of Bagdad Road and terminates at Bagdad Road.

**Proposed Facility**

The proposed project includes the reconstruction of an interim section of Bagdad Road for approximately 1000 feet to the north and 1000 feet to the south of CR 278 and the extension of CR 278 approximately 2500 to the west from Bagdad Road.

The interim section of Bagdad Road will consist of one lane in each direction, a northbound left turn lane into the extension of CR 278, and a southbound right turn lane into the extension of CR 278, as well as northbound and southbound acceleration lanes from the extension of CR 278. The roadway design will accommodate a future shared use path on the west side of the Bagdad Road and along the extension of CR 278 and proposed right of way will consist of a minimum of 150 feet.

**1. PROJECT MANAGEMENT**

- a. Coordinate with Design Workshop to save two trees by modifying a plan sheet, cross sections and earthwork.

**7. FINAL ENGINEERING**

- a. Modify 100% PS&E to accommodate Design Workshop's request to save two trees (Plan Sheet, Cross Sections, and Earthwork).

**8. BIDDING PHASE SERVICES**

- a. Prepare all applicable construction documents for bidding. Attend the pre-bid meeting. Respond to bidder's questions during the bid period. Prepare project addenda during bid period. Analyze contractor bids, prepare bid tabulation, and make recommendation for award to the apparent low bidder.

**10. Design Workshop, Inc. – Completion of 100% plans**

- a. Develop the final plans, specifications and estimates for construction of the project. Finalize 100% plans, address comments and provide coordination with the County.

1. Additional Coordination with the engineering team in the form of meetings or conference calls
2. Address comments provided on comment log as they pertain to provided plans, return comment log noting changes/comments
3. Design modifications based on comments
4. Provide additional information per HNTB request
5. Modify bid form and specifications as needed
6. Update detailing as required by comments

PRIME PROVIDER NAME: Lockwood, Andrews & Newnam, Inc.  
LAN CONTRACT NO.: 140-10987-100  
PROJECT NAME: Bagdad at CR 278

**TASK SUMMARY**

| TASK                                  | TOTAL               | LAN<br>(Prime)      | SWCA<br>(Env) | HVJ<br>(Geo) | DW<br>(Landscape Arch) | SAM<br>(TOPO-R/W) |
|---------------------------------------|---------------------|---------------------|---------------|--------------|------------------------|-------------------|
| TASK 1: PROJECT MANAGEMENT            | \$ 403.00           | \$ 403.00           | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 2: ROUTE AND DESIGN STUDIES      | \$ -                | \$ -                | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 3: TOPOGRAPHIC AND ROW SURVEYS   | \$ -                | \$ -                | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 4: PUBLIC INVOLVEMENT            | \$ -                | \$ -                | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 5: GEOTECHNICAL INVESTIGATIONS   | \$ -                | \$ -                | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 6: ENVIRONMENTAL INVESTIGATIONS  | \$ -                | \$ -                | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 7: FINAL ENGINEERING             | \$ 3,092.00         | \$ 3,092.00         | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 8: BIDDING PHASE SERVICES        | \$ 8,092.00         | \$ 8,092.00         | \$ -          | \$ -         | \$ -                   | \$ -              |
| TASK 10: DESIGN WORKSHOP - 100% PLANS | \$ 9,100.00         |                     |               |              | \$ 9,100.00            |                   |
| Direct Expenses                       | \$ 300.00           | \$ 0.00             | \$ 0.00       | \$ 0.00      | \$ 300.00              | \$ 0.00           |
| <b>TOTAL</b>                          | <b>\$ 20,987.00</b> | <b>\$ 11,587.00</b> | <b>\$ -</b>   | <b>\$ -</b>  | <b>\$ 9,400.00</b>     | <b>\$ -</b>       |

PRIME PROVIDER NAME: Lockwood, Andrews & Newnam, Inc.  
 LAN CONTRACT NO.: 140-10987-100  
 PROJECT NAME: Bagdad at CR 278

| TASK DESCRIPTION   | PROJECT MANAGER | SENIOR PLANNER | ENGINEER VI | ENGINEER V | ENGINEER IV | ENGINEER III | DESIGNER III | ENGINEER II | QA/QC     | ADMIN CLERICAL | TOTAL LABOR HRS. & COSTS |
|--|-----------------|----------------|-------------|------------|-------------|--------------|--------------|-------------|-----------|----------------|--------------------------|
| <b>TASK 1: PROJECT MANAGEMENT</b>  |                 |                |             |            |             |              |              |             |           |                |                          |
| a. Coordination for Design Workshop's tree saving modifications  | 1               |                | 1           |            |             |              |              |             |           |                | \$ 403.00                |
| <b>HOURS SUB-TOTALS</b>  |                 | 0              | 1           | 0          | 0           | 0            | 0            | 0           | 0         | 0              | 2                        |
| <b>CONTRACT RATE PER HOUR</b>  | \$ 230.00       | \$ 140.00      | \$ 173.00   | \$ 166.00  | \$ 129.00   | \$ 115.00    | \$ 104.00    | \$ 102.00   | \$ 253.00 | \$ 72.00       |                          |
| <b>TOTAL LABOR COSTS</b>   | \$230.00        | \$0.00         | \$173.00    | \$0.00     | \$0.00      | \$0.00       | \$0.00       | \$0.00      | \$0.00    | \$0.00         | \$403.00                 |
| <b>% DISTRIBUTION OF STAFFING</b>  | 50.0%           | 0.0%           | 50.0%       | 0.0%       | 0.0%        | 0.0%         | 0.0%         | 0.0%        | 0.0%      | 0.0%           |                          |
| <b>TASK DESCRIPTION</b>  |                 |                |             |            |             |              |              |             |           |                |                          |
| <b>TASK 7: FINAL ENGINEERING</b>   |                 |                |             |            |             |              |              |             |           |                |                          |
| a. Modification of 100% PS&E to accommodate Design Workshop's request to save two trees (Plan Sheet, Cross Sections, Earthwork). | 2               |                | 8           |            |             |              | 12           |             |           |                | \$ 3,092.00              |
| <b>HOURS SUB-TOTALS</b>  |                 | 0              | 8           | 0          | 0           | 0            | 12           | 0           | 0         | 0              | 22                       |
| <b>CONTRACT RATE PER HOUR</b>  | \$ 230.00       | \$ 140.00      | \$ 173.00   | \$ 166.00  | \$ 129.00   | \$ 115.00    | \$ 104.00    | \$ 102.00   | \$ 253.00 | \$ 72.00       |                          |
| <b>TOTAL LABOR COSTS</b>   | \$460.00        | \$0.00         | \$1,384.00  | \$0.00     | \$0.00      | \$0.00       | \$1,248.00   | \$0.00      | \$0.00    | \$0.00         | \$ 3,092.00              |
| <b>% DISTRIBUTION OF STAFFING</b>  | 9.1%            | 0.0%           | 96.4%       | 0.0%       | 0.0%        | 0.0%         | 54.5%        | 0.0%        | 0.0%      | 0.0%           |                          |
| <b>TASK 7: FINAL ENGINEERING</b>   |                 |                |             |            |             |              |              |             |           |                |                          |
|  |                 |                |             |            |             |              |              |             |           |                | \$ 3,092.00              |

PRIME PROVIDER NAME: Lockwood, Andrews & Newnam, Inc.  
 LAN CONTRACT NO.: 140-10987-100  
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| TASK DESCRIPTION                          | PROJECT MANAGER | SENIOR PLANNER | ENGINEER VI | ENGINEER V | ENGINEER IV | ENGINEER III | DESIGNER III | ENGINEER II | QA/QC     | ADMIN CLERICAL | TOTAL LABOR HRS. & COSTS | TOTAL       |
|---|-----------------|----------------|-------------|------------|-------------|--------------|--------------|-------------|-----------|----------------|--------------------------|-------------|
| <b>Task 8: Bidding Phase Services</b>     |                 |                |             |            |             |              |              |             |           |                |                          |             |
| Attend pre-bid meeting                    | 5               |                |             |            |             |              |              |             |           |                | \$ 1,150.00              |             |
| Respond to bidder's questions             |                 |                | 8           |            |             |              |              |             |           |                | \$ 1,384.00              |             |
| Prepare project addenda during bid period |                 |                | 12          |            |             | 8            |              |             |           |                | \$ 3,828.00              |             |
| Analyze contractor's bids                 |                 |                | 4           |            |             |              |              |             |           |                | \$ 692.00                |             |
| Prepare bid tabulation                    |                 |                | 4           |            |             |              |              |             |           |                | \$ 692.00                |             |
| Recommend award for apparent low bidder   |                 |                | 2           |            |             |              |              |             |           |                | \$ 346.00                |             |
| <b>HOURS SUB-TOTALS</b>                   | 5               | 0              | 30          | 0          | 0           | 8            | 8            | 0           | 0         | 0              | 51                       | \$          |
| <b>CONTRACT RATE PER HOUR</b>             | \$ 230.00       | \$ 140.00      | \$ 173.00   | \$ 166.00  | \$ 129.00   | \$ 115.00    | \$ 104.00    | \$ 102.00   | \$ 253.00 | \$ 72.00       |                          | \$          |
| <b>TOTAL LABOR COSTS</b>                  | \$1,150.00      | \$0.00         | \$5,190.00  | \$0.00     | \$0.00      | \$920.00     | \$832.00     | \$0.00      | \$0.00    | \$0.00         | \$                       | \$ 8,092.00 |
| <b>% DISTRIBUTION OF STAFFING</b>         | 22.7%           | 0.0%           | 136.4%      | 0.0%       | 0.0%        | 36.4%        | 36.4%        | 0.0%        | 0.00%     | 0.00%          |                          |             |
| <b>Task 8: Bidding Phase Services</b>     |                 |                |             |            |             |              |              |             |           |                |                          |             |
|   |                 |                |             |            |             |              |              |             |           |                | \$                       | \$ 8,092.00 |

| TASK   | TOTAL MH BY TASK   | TASK        |
|--|--------------------|-------------|
| TASK 1: PROJECT MANAGEMENT   | 2                  | \$403.00    |
| TASK 2: ROUTE AND DESIGN STUDIES   | 0                  | \$0.00      |
| TASK 3: TOPOGRAPHIC AND ROW SURVEYS  | 0                  | \$0.00      |
| TASK 4: PUBLIC INVOLVEMENT   | 0                  | \$0.00      |
| TASK 5: GEOTECHNICAL INVESTIGATIONS  | 0                  | \$0.00      |
| TASK 6: ENVIRONMENTAL INVESTIGATIONS   | 0                  | \$0.00      |
| TASK 7: FINAL ENGINEERING  | 22                 | \$3,092.00  |
| TASK 8: BIDDING PHASE SERVICES   | 51                 | \$ 8,092.00 |
| <b>SUBTOTAL LABOR EXPENSES</b>   | 75                 | \$11,587.00 |
| <b>OTHER DIRECT EXPENSES - DESIGN REPRODUCTION (11"x17") (3 FORMAL SUBM)</b> |                    |             |
| OVERNIGHT MAIL (LETTER)  | \$                 | \$0.00      |
| OVERNIGHT MAIL (BOX)   | \$                 | \$0.00      |
| TDLR Registration & Design Review  | \$                 | \$0.00      |
| TDLR Construction Review   | \$                 | \$0.00      |
| TCEQ C2P Permit Fee  | \$                 | \$0.00      |
| <b>SUBTOTAL DIRECT EXPENSES</b>  |                    | \$0.00      |
| <b>SUMMARY</b>   |                    |             |
| TOTAL COSTS FOR PRIME ONLY   | \$11,587.00        |             |
| NON-SALARY (OTHER DIRECT EXPENSES) FOR PRIME ONLY                            | \$0.00             |             |
| <b>GRAND TOTAL</b>   | <b>\$11,587.00</b> |             |

