



## WORK AUTHORIZATION

WORK AUTHORIZATION NO. 3

**PROJECT: RM 620 Safety Improvements - Wyoming Springs to Deepwood Drive**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated June 24, 2014 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Halff Associates, Inc. (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$25,880.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on June 30, 2018. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this \_\_\_\_ day of \_\_\_\_\_, 2016.

ENGINEER:

Halff Associates, Inc.

By:   
Signature

Eric J. Ratzman

Printed Name

Senior Project Manager

Title

COUNTY:

Williamson County, Texas

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

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

\_\_\_\_\_  
Title

OK  
m/ 9/26/2016

## **LIST OF ATTACHMENTS**

**Attachment A - Services to be Provided by County**

**Attachment B - Services to be Provided by Engineer**

**Attachment C - Work Schedule**

**Attachment D - Fee Schedule**

**WORK AUTHORIZATION #3**

**EXHIBIT A**

**SERVICES PROVIDED BY THE COUNTY**

**FOR**

**CONSTRUCTION PHASE SERVICES FOR THE  
RM 620 PHASE 2 PROJECT  
FROM WYOMING SPRINGS DR TO DEEP WOOD DR**

**IN WILLIAMSON COUNTY**

**Coordination Services by County**

- Provide construction observation and review contractor pay applications and progress reporting.
- Provide Engineer with Contractor submittals, Requests for Information (RFI's), shop drawings and correspondence.
- Review Engineer progress, submittals and plan changes.

## WORK AUTHORIZATION #3

### EXHIBIT B

#### SERVICES PROVIDED BY ENGINEER

#### FOR

#### CONSTRUCTION PHASE SERVICES FOR THE RM 620 PHASE 2 PROJECT FROM WYOMING SPRINGS DR TO DEEP WOOD DR IN WILLIAMSON COUNTY

The Scope of Services provided by Halff Associates, herein referred to as "Engineer", for Williamson County, herein referred to as "County", involves construction administration services associated with RM 620 Safety Improvements from Wyoming Springs to Deep Wood Drive.

Project management services for the County will be provided by the County's Program Manager (Prime Strategies, Inc.), or its General Engineering Consultant (GEC) (HNTB Corporation). Engineer will coordinate directly with the GEC regarding construction issues.

Construction administration services associated with the project is comprised of the following items:

##### **TASK 01      CONSTRUCTION PHASE SERVICES**

The Engineer will provide the following construction phase services:

##### **1.1 - RESPOND TO REQUESTS FOR INFORMATION (RFI's) (12 BUDGETED):**

Respond to Contractor RFIs and provide design clarifications, additional information, and additional data to the GEC as required.

##### **1.2 - REVIEW CONTRACTOR SUBMITTALS & SHOP DRAWINGS (20 BUDGETED):**

Review Contractor submittals and shop drawings received from GEC. Shop drawings will be reviewed for general conformance with the plans and specifications and will include providing stamped concurrence, exceptions or resubmittal notations to the Contractor.

##### **1.3 - PLAN REVISIONS FOR FIELD CHANGES (10 SHEETS BUDGETED):**

Engineer will provide minor revisions to plans in order to address differing site conditions, third party accommodation, or other owner directed changes. Revisions to plans will include revision clouds around any changes, will include descriptions and quantities of changes, CAD files, and will be sealed by a professional engineer.

##### **1.4 - ATTEND FIELD MEETINGS (3 BUDGETED) AND PROGRESS MEETINGS (6 BUDGETED):**

Engineer to attend meetings at project site and progress meetings.

##### **1.5 - WATER POLLUTION ABATEMENT PLAN:**

Engineer will visit the site twice during construction of permanent BMPs, and once after completion, and *provide certification to TCEQ as required by the permit.*

### **WORK AUTHORIZATION #3**

This scope is limited to the specific items and budget allotted for each item. If the requests from County exceed the budget estimated, a contract amendment will be prepared to complete the work requested. The following items are specifically excluded from this scope of services:

1. Preparing and submitting the notice of intent (NOI) or SW3P to TCEQ.
2. Providing construction inspection, construction staking or materials testing.
3. Providing "full size" plots/prints of construction plans.
4. Researching private drainage systems and incorporating same into the proposed design.
5. Reviewing, evaluating, and designing alternate designs.
6. Coordinating with FEMA. Preparing LOMR/CLOMR.
7. Confirming and resetting project control monumentation if disturbed by others (i.e. utility companies, mowing operations, etc.).
8. Providing right-of-way acquisition services (i.e. property valuations, damages assessments, condemnation services, negotiations, serving as right-of-way agent, etc.).
9. Design of improvements/modifications to private facilities (i.e. sprinkler systems, security systems, lighting, landscaping, parking facilities, perimeter fences, etc.)

**EXHIBIT C**

**SCHEDULE OF SERVICES PROVIDED BY ENGINEER**

**FOR**

**CONSTRUCTION PHASE SERVICES FOR THE  
RM 620 PHASE 2 PROJECT  
FROM WYOMING SPRINGS DR TO DEEP WOOD DR  
IN WILLIAMSON COUNTY**

The schedule for construction administration related to RM 620 Safety Improvements Project will adhere to the construction schedule established with the Contractor. Construction administration services will be provided in the duration that begins as follow:

|                                   |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| Construction Letting Date:        | September 2016                                                |
| Construction Notice to Proceed:   | November 2016                                                 |
| Construction Duration:            | 14 months to substantial plus one month final out = 15 months |
| Construction Services Completion: | March 2018                                                    |

ATTACHMENT D - FEE SCHEDULE

| TASK/DESCRIPTION                                       | PRINCIPAL | PROJECT MANAGER | SR PE    | PE       | ELT.    | ENV SCIENTIST PM | ENV SCIENTIST SR | ENV SCIENTIST JR | CADD / OM / V&T TECH | SURVEY MANAGER RPLS | SURVEY TECH | SURVEY SUE CREW | CLERICAL / ADMIN | TOTAL MAN. HOURS | LABOR CHARGES | PRINTING, PLOTTING | DELM, TRAVEL & MISC | SUB CONSULTANTS | TOTAL COST FOR TASK (INCL. MGMT) |          |
|--------------------------------------------------------|-----------|-----------------|----------|----------|---------|------------------|------------------|------------------|----------------------|---------------------|-------------|-----------------|------------------|------------------|---------------|--------------------|---------------------|-----------------|----------------------------------|----------|
| TASK 01 CONSTRUCTION PHASE SERVICES                    |           |                 |          |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| 1.1 Respond to RFIs                                    |           | 4               |          | 12       | 36      |                  |                  |                  |                      |                     |             |                 |                  | 52               | \$5,736       |                    |                     |                 |                                  | \$5,736  |
| 1.2 Review submittals                                  |           | 2               |          | 30       | 20      |                  |                  |                  |                      |                     |             |                 | 8                | 60               | \$6,408       |                    | \$00                |                 |                                  | \$6,408  |
| 1.3 Field Changes                                      |           | 2               |          | 24       | 40      |                  |                  |                  | 24                   |                     |             |                 | 8                | 96               | \$9,452       | \$4                |                     |                 |                                  | \$9,456  |
| 1.4 Attend meetings                                    |           | 2               | 18       | 6        |         |                  |                  |                  |                      |                     |             |                 | 2                | 20               | \$3,030       |                    | \$324               |                 |                                  | \$3,354  |
| 1.5 WPAP certification                                 |           |                 |          |          |         |                  |                  |                  |                      |                     |             |                 |                  | 6                | \$936         |                    |                     |                 |                                  | \$936    |
| SUBTOTAL HOURS/COSTS                                   |           | 10              | 18       | 72       | 96      |                  |                  |                  | 24                   |                     |             |                 | 18               | 236              | \$25,482      | \$4                | \$414               |                 |                                  | \$25,880 |
| FEE SUMMARY                                            |           |                 |          |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| TASK 01 CONSTRUCTION PHASE SERVICES                    |           | 10              | 18       | 72       | 96      |                  |                  |                  | 24                   |                     |             |                 | 18               | 236              | \$25,482      | \$4                | \$414               |                 |                                  | \$25,880 |
| TOTAL HOURS                                            |           | 10              | 18       | 72       | 96      |                  |                  |                  | 24                   |                     |             |                 | 18               | 236              |               |                    |                     |                 |                                  |          |
| CONTRACT RATES (\$)                                    | \$225.00  | \$182.00        | \$147.00 | \$120.00 | \$96.00 | \$154.00         | \$95.00          | \$70.00          | \$60.00              | \$150.00            | \$60.00     | \$125.00        | \$58.00          |                  |               |                    |                     |                 |                                  |          |
| BASE SALARIES & BENEFITS TOTAL                         |           | \$1,820         | \$2,046  | \$8,040  | \$9,408 |                  |                  |                  | \$1,820              |                     |             |                 | \$928            |                  |               | \$25,482           | \$4                 | \$414           |                                  | \$25,482 |
| TOTAL BY CATEGORY                                      |           |                 | 8%       | 10%      | 34%     | 37%              |                  |                  | 8%                   |                     |             |                 | 4%               | 100%             | \$25,482      | \$4                | \$414               |                 |                                  | \$25,880 |
| TOTAL FEE                                              |           |                 |          |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  | \$25,482      | \$4                | \$414               |                 |                                  | \$25,880 |
| DIRECT EXPENSE ITEMS                                   |           |                 |          |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| 11" x 17" Prints (EA)                                  | QTY       | PRICE           | TOTAL    |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| 8.5" x 11" Prints (EA)                                 | 20        | \$0.20          | \$4      |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| Color roll plots (SF)                                  |           | \$0.10          | \$0.10   |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
|                                                        |           | \$2.50          | \$2.50   |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
|                                                        |           | Subtotal        | \$4      |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| Deliveries (EA)                                        | 6         | \$15.00         | \$90     |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
| Mileage (Mi) *To be reimbursed at the current IRS rate | 600       | \$0.540         | \$324    |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |
|                                                        |           | Subtotal        | \$414    |          |         |                  |                  |                  |                      |                     |             |                 |                  |                  |               |                    |                     |                 |                                  |          |