



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

WILLIAMSON COUNTY ROAD BOND PROJECT:

Ronald Reagan Blvd. at IH 35 Final Design

This Supplemental Work Authorization No. 1 to Work Authorization No. 3 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated October 10, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Binkley & Barfield, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 3 dated effective June 14, 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:

- 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 December 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 this Work Authorization is increased from \$724,504 to \$807,245.

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: BDR
Signature

Brian Rice
Printed Name

Vice President
Title

9/11/17
Date

COUNTY:

By: [Signature]
Signature

DAR A GATTI
Printed Name

County Judge
Title

09-22-2017
Date

OK
M 9/12/2017

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment B - Services to be provided by Engineer

The general tasks below, not in the original scope of work, are proposed to be added to this WA:

- **Prior Modifications:**

- There were several iterations of the frontage road configurations to meet TxDOT construction phasing requirements. BBI has agreed to accept several iterations as part of design refinement. However, there were multiple iterations, the most significant being that TxDOT wanted to maintain 2 lanes on the frontage roads for possible I-35 closures and reconsidered the original TCP later to only keep one open lane on the frontage roads.
 - Following development of construction phasing plans that provided 1-lane frontage roads, TxDOT requested that 2-lanes of traffic be maintained on the NB and SB frontage roads at all times, 2-way traffic on the existing bridge and 1-way traffic on the new EB bridge during construction. WB and SB traffic from CR 311 was to be routed north to Bud Stockton Loop and back to the Ronald Reagan interchange.
 - After the 60% submittal review, TxDOT changed their construction traffic control and construction phasing requirements to allow 1-lane of traffic on the frontage roads during mainlane closures, 2-way traffic on the existing bridge and 1-way traffic on the new EB bridge during construction. This did not change the WB and SB detour from CR 311 to Bud Stockton.
 - Following the 90% submittal, TxDOT reconsidered the original TCP design to allow continuous access to the gas station with 1 lane of traffic on the frontage roads and allowing 2-way traffic on the new EB bridge with a 2-way detour between the new EB and WB Ronald Reagan alignments during construction. This created revisions to the TCP, construction phasing, detour lane design, and added significant effort to provide submittal modifications.
- Modify the pavement section to include Portland cement concrete pavement (PCCP) in the interchange, 500' before each bridge, between the bridges, extending past the second bridge 200'. This change from AC pavement to PCC pavement after 60% design created significant impact to the quantities, typical sections, construction phasing, quantities, and affected the construction schedule and construction cost estimate.
- The Engineer prepared an alternative analysis for the temporary incorporation of an interim auxiliary lane underneath the existing Ronald Reagan bridge prior to the construction of this project.

- **New Tasks:**

- The Engineer shall prepare a Design Exception Request for the inside shoulders at the proposed Ronald Reagan Bridge. The mainline inside shoulders will be less than required for a short distance due to existing and proposed bridge center columns. Per TxDOT, the design will keep the existing 8' inside shoulder as is.
- Updated TxDOT schematic checklist. The latest design checklist from TxDOT was received in May 2017 with over 12 pages of items needing to be on the schematic drawings, compared to the previous checklist, submitted in May 2016, with only 4 pages. BBI needs additional time to include the additional items shown on the new TxDOT schematic checklist.
- Pre-Letting Plan for delayed construction start (September 2019 letting schedule). BBI will develop a pre-letting plan, including incorporation into the PS&E documents and construction schedule. This will require update to general notes, standards, bid items, etc.

WA 3 Exclusions:

- Scope of work does not include construction phase services for previous proposal scope of work items.
- Additional design work required due to rejection of design exception.

Total Fee to be added:

| | |
|----------------------|---------------|
| Project Management: | \$20,729 |
| QA/QC: | \$ 6,286 |
| Schematic & PS&E: | \$49,437 |
| Drainage Design: | \$ 5,850 |
| <u>Reimbursable:</u> | <u>\$ 439</u> |
| Total: | \$82,741 |

Attachment C – Work Schedule

| <u>Milestone</u> | <u>Task Description</u> | <u>Begin Date</u> | <u>End Date</u> |
|-------------------------|---------------------------------------|--|------------------------|
| Task 1 | Project Management | 9/27/17 | 9/30/19 |
| Task 2 | Schematic and Environmental Revisions | 9/27/17 | 2/12/18 |
| Task 3 | PS&E Design Phase Services | 12/8/17 | 5/10/18 |
| Task 4 | Letting Phase | On TxDOT Letting Schedule for September 2019 | |

PRIME PROVIDER NAME: Binkley & Barfield, Inc.
 PROJECT NAME: IH-35 @ Ronald Reagan Blvd
 Work Authorization #3 - Final Design Ronald Reagan Blvd
 5/7/2017

| Final Design Ronald Reagan Blvd | | GRAND TOTAL | DBI | LJA | Alliance | ConMcLain | Inland | Reba-Kuttner | CD&P | TASK TOTAL |
|--|----------|-------------|----------|----------|----------|-----------|--------|--------------|------|------------|
| TASK NO/DESCRIPTION | | | | | | | | | | |
| I. PROJECT MANAGEMENT | | | | | | | | | | |
| | SUBTOTAL | | \$18,601 | \$11,128 | | | | | | \$30,729 |
| II. LONG AND PROJECT SPECIFIC QA/QC PLAN | | | | | | | | | | |
| | SUBTOTAL | | \$6,262 | | | | | | | \$6,262 |
| III. PRELIMINARY AND ROADWAY DESIGN REVISIONS (100%) | | | | | | | | | | |
| | SUBTOTAL | | \$49,437 | | | | | | | \$49,437 |
| IV. ADDITIONAL TOPOGRAPHIC AND ROW SURVEYS REVIEW | | | | | | | | | | |
| | SUBTOTAL | | \$0 | | | | | | | \$0 |
| V. I&R AND TRAFFIC OPERATIONS UPDATES | | | | | | | | | | |
| | SUBTOTAL | | \$0 | | | | | | | \$0 |
| VI. DRAINAGE DESIGN | | | | | | | | | | |
| | SUBTOTAL | | \$0 | \$5,850 | | | | | | \$5,850 |
| VII. PUBLIC INVOLVEMENT | | | | | | | | | | |
| | SUBTOTAL | | \$0 | | | | | | | \$0 |
| VIII. GEOTECHNICAL INVESTIGATIONS AND REPORT | | | | | | | | | | |
| | SUBTOTAL | | \$0 | | | | | | | \$0 |
| IX. ENVIRONMENTAL STUDIES AND REPORT | | | | | | | | | | |
| | SUBTOTAL | | \$0 | | | | | | | \$0 |
| X. BID PHASE SERVICES | | | | | | | | | | |
| | SUBTOTAL | | \$0 | | | | | | | \$0 |
| TOTAL LABOR FOR DESIGN SERVICES | | \$83,302 | \$75,324 | \$6,078 | \$ | \$ | \$ | \$ | \$ | \$82,392 |
| PROJECT EXPENSE ESTIMATE | | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| TOTAL PROJECT COST | | \$82,741 | \$75,324 | \$7,417 | \$ | \$ | \$ | \$ | \$ | \$82,741 |

Attachment D - WA 83
RATE SCHEDULE
Bintley & Barfield - Prime
Schematic Development, Preliminary Design, Final Design and Construction Documents

PRIME PROVIDER NAME: Birtley & Barfield, Inc.
PROJECT NAME: 14-35 @ Ronald Reagan Blvd
Work Authorization #3 - Final Design Ronald Reagan Blvd
0772017

[illegible]

| TABLE DESCRIPTION | | | | | | | | | | |
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| PRINCIPAL | % PROJECT MANAGER | UNION ENGINEER | PROJECT ENGINEER | CUSTOM ENGINEER | EST | PRODUCTION MANAGER | % CAD/CAM MANAGER | CAD/CAM OPERATOR | CLIENT | TOTAL LABOR HRS & COSTS |
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| NAME DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | Sr. IT | PRODUCTION MANAGER | Sr. CAD MANAGER | CAD OPERATOR | CLERICAL | TOTAL LABOR HRS & COSTS |
|---|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|-----------------|--------------|----------|-------------------------|
| 1. ADDITIONAL INFORMATION AND BIDDING SERVICES REQUIRED | | | | | | | | | | | |
| 2. LABOR SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. CONTRACT RATE PER HOUR | 121.00 | 121.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 |
| 4. TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5. DISTRIBUTION OF STAFFING | | | | | | | | | | | |
| 6. SUB-TOTAL | | | | | | | | | | | |
| 7. TOTAL | | | | | | | | | | | |

| NAME DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | Sr. IT | PRODUCTION MANAGER | Sr. CAD MANAGER | CAD OPERATOR | CLERICAL | TOTAL LABOR HRS & COSTS |
|---|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|-----------------|--------------|----------|-------------------------|
| 1. ADDITIONAL INFORMATION AND BIDDING SERVICES REQUIRED | | | | | | | | | | | |
| 2. LABOR SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. CONTRACT RATE PER HOUR | 121.00 | 121.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 |
| 4. TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5. DISTRIBUTION OF STAFFING | | | | | | | | | | | |
| 6. SUB-TOTAL | | | | | | | | | | | |
| 7. TOTAL | | | | | | | | | | | |

| NAME DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | Sr. IT | PRODUCTION MANAGER | Sr. CAD MANAGER | CAD OPERATOR | CLERICAL | TOTAL LABOR HRS & COSTS |
|---|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|-----------------|--------------|----------|-------------------------|
| 1. ADDITIONAL INFORMATION AND BIDDING SERVICES REQUIRED | | | | | | | | | | | |
| 2. LABOR SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. CONTRACT RATE PER HOUR | 121.00 | 121.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 | 118.00 |
| 4. TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5. DISTRIBUTION OF STAFFING | | | | | | | | | | | |
| 6. SUB-TOTAL | | | | | | | | | | | |
| 7. TOTAL | | | | | | | | | | | |

| TASK DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | EST | PRODUCTION MANAGER | Sr. CAD OPERATOR | CAD OPERATOR | CLERICAL | TOTAL LABORER PREL. & COSTS |
|---|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|------------------|--------------|----------|-----------------------------|
| NO. PHASE INVOLVEMENT | | | | | | | | | | | 0 |
| ALSO SEE COUNTY PUBLIC INVOLVEMENT FILE #170417 | | | | | | | | | | | 0 |
| 1. PUBLIC OUTREACH | | | | | | | | | | | 0 |
| 2. PUBLIC MEETING AND REPORT (2 Meetings) | | | | | | | | | | | 0 |
| PHASE SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTRACT RATE PER HOUR | 271.88 | 187.25 | 118.25 | 111.25 | 111.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 |
| TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. DISTRIBUTION OF STAFFING | | | | | | | | | | | 0.00 |
| GRAND TOTAL | | | | | | | | | | | 0.00 |

| TASK DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | EST | PRODUCTION MANAGER | Sr. CAD OPERATOR | CAD OPERATOR | CLERICAL | TOTAL LABORER PREL. & COSTS |
|--|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|------------------|--------------|----------|-----------------------------|
| NO. ENVIRONMENTAL INVESTIGATION AND REPORT | | | | | | | | | | | 0 |
| ALSO SEE COUNTY INVOLVEMENT FILE #170417 | | | | | | | | | | | 0 |
| 1. ENVIRONMENTAL INVESTIGATION AND REPORT | | | | | | | | | | | 0 |
| PHASE SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTRACT RATE PER HOUR | 271.88 | 187.25 | 118.25 | 111.25 | 111.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 |
| TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. DISTRIBUTION OF STAFFING | | | | | | | | | | | 0.00 |
| GRAND TOTAL | | | | | | | | | | | 0.00 |

| TASK DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | EST | PRODUCTION MANAGER | Sr. CAD OPERATOR | CAD OPERATOR | CLERICAL | TOTAL LABORER PREL. & COSTS |
|--|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|------------------|--------------|----------|-----------------------------|
| NO. ENVIRONMENTAL STUDIES AND REPORT | | | | | | | | | | | 0 |
| ALSO SEE COUNTY INVOLVEMENT FILE #170417 | | | | | | | | | | | 0 |
| 1. ENVIRONMENTAL STUDIES AND REPORT | | | | | | | | | | | 0 |
| PHASE SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTRACT RATE PER HOUR | 271.88 | 187.25 | 118.25 | 111.25 | 111.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 |
| TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. DISTRIBUTION OF STAFFING | | | | | | | | | | | 0.00 |
| GRAND TOTAL | | | | | | | | | | | 0.00 |

| TASK DESCRIPTION | PRINCIPAL | Sr. PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | DESIGN ENGINEER | EST | PRODUCTION MANAGER | Sr. CAD OPERATOR | CAD OPERATOR | CLERICAL | TOTAL LABORER PREL. & COSTS |
|--|-----------|---------------------|-----------------|------------------|-----------------|--------|--------------------|------------------|--------------|----------|-----------------------------|
| NO. PHASE SERVICES | | | | | | | | | | | 0 |
| 1. ATTEND AND COORDINATE A PM AND CONFERENCE | | | | | | | | | | | 0 |
| 2. ASSIST THE COUNTY IN CONTRACT BID DRYING | | | | | | | | | | | 0 |
| 3. LABORER BID AND REFORMING PROJECT JAWED | | | | | | | | | | | 0 |
| PHASE SUB-TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTRACT RATE PER HOUR | 271.88 | 187.25 | 118.25 | 111.25 | 111.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 | 118.25 |
| TOTAL LABOR COSTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. DISTRIBUTION OF STAFFING | | | | | | | | | | | 0.00 |
| GRAND TOTAL | | | | | | | | | | | 0.00 |

| LABOR NUMBERS BY TASK | | | | | | | | | | TOTAL HOURS | TOTAL COST BY HOUR |
|---|--|--|--|--|--|--|--|--|--|-------------|--------------------|
| A. PROJECT MANAGEMENT | | | | | | | | | | 98 | \$19,407.00 |
| B. O.A. DC AND PROJECT LIFE CYCLE CHARGE PLUM | | | | | | | | | | 13 | \$4,784.00 |
| C. SCHEMATIC AND DESIGN DOCUMENTS | | | | | | | | | | 288 | \$48,437.00 |
| D. TOPOGRAPHIC AND BROW SURVEYS | | | | | | | | | | 8 | \$4.00 |
| E. MAINTAINING OPERATIONS | | | | | | | | | | 8 | \$4.00 |
| F. DRAINAGE | | | | | | | | | | 8 | \$4.00 |
| G. EROSION CONTROL | | | | | | | | | | 8 | \$4.00 |
| H. GEOTECHNICAL | | | | | | | | | | 8 | \$4.00 |
| I. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| J. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| K. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| L. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| M. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| N. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| O. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| P. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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| R. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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| T. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| U. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| V. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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| X. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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| AC. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| AD. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| AE. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| AF. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| AG. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
| AH. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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| CH. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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| CU. IMPROVED OFFICE | | | | | | | | | | 8 | \$4.00 |
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