SUPPLEMENTAL WORK AUTHORIZATION NO. 2 TO WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD BOND PROJECT:

REAGAN EXTENSION

This Supplemental Work Authorization No. 2 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated May 29, 2018 ("Contract") 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").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective May 29, 2018 (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 Engineer were revised in accordance with Attachment B (Services to Be Provided by the Engineer), Attachment C (Schedule), and Attachment D (Fee Schedule).
- 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". Additional work includes:
- III. The Work Authorization shall terminate on March 31, 2022. The Services to the 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".
- IV. The maximum amount payable for services under the Work Authorization is hereby increased from \$1,425,078.69 to \$1,543,611.24. The revised Work Schedule is attached hereto as Attachment "D".

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.

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:

Signature

Steven J. Miller, P.E.

Printed Name

COUNTY

Signatur

Bill Gravell Jr.

Printed Name

Senior Vice President

Title

County Judge

Title

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by the Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

4/15/2021

ATTACHMENT B SERVICES TO BE PROVIDED BY THE ENGINEER PRELIMINARY ENGINEERING FOR REAGAN EXTENSION

PROJECT DESCRIPTION

Existing Facility

The proposed grade crossing over IH35 and Ronald Reagan Blvd is considered to be an existing facility. Between IH35 and SH95, existing county roads exist, but no east-west-through facility exists. State Farm to Market roads exist within the study area that may be partially utilized for the Reagan extension, such FM 302, FM 972 and FM 1105. A railroad crossing exists at SH95. Existing natural drainage features in the study area are Willis Creek, Opossum Creek, and Long Branch,

Proposed Facility

The proposed ultimate corridor would include a full directional interchange at IH35, two-lane mainlanes in each direction and three-lane frontage roads in each direction. The anticipated right of way (ROW) width is 350 feet, but could be less at locations where constraints exist in order to minimize impacts to the natural, cultural and human environment, and more at interchanges with other facilities. A grade separation will be proposed at SH 95 and the railroad crossing.

Design Criteria

The design criteria will be in accordance to the Williamson County Design Criteria Manual, and the TxDOT Roadway Design Manual.

PROJECT MANAGEMENT

a. Shall designate one Licensed Professional Engineer (Texas) to be responsible for the project management, and all communications with the County and its representatives.

b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS:

Submit additional monthly progress status reports to the GEC as a result of
extending the original termination date of February 29, 2020 to September 30,
2021. Progress reports will include: tasks completed, tasks/objectives that are
planned for the upcoming periods, lists or descriptions of items or decisions
needed from the County and its representatives. Subconsultant progress will be
incorporated into the monthly progress report. A copy of the monthly progress
report will be uploaded to ProjectWise.

Page 1 of 5 Attachment B Reagan Extension

• Prepare additional correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

c. PROJECT COORDINATION & ADMINISTRATION:

- Prepare and maintain additional routine project record keeping including records of meetings.
- Correspondence and coordination will be handled through & with the concurrence of the GEC.
- Manage additional Project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.

d. PROGRESS/COORDINATION MEETINGS:

• Conduct additional internal coordination meetings as required to advance the development of the project.

e. PROJECT SCHEDULE:

• Perform additional project schedule updates indicating tasks, subtasks, critical dates, milestones, and deliverables.

f. DELIVERABLES:

- Additional Monthly Invoices and Progress Reports
- Additional Meeting Minutes, Sign-In Sheets, and Agendas
- Additional Project Schedule Updates

2. ROUTE AND DESIGN STUDIES

a. DATA COLLECTION:

- Update the Design Summary Form to include full direct connector ramps at IH35.
- b. STAKEHOLDER COORDINATION (Meetings with Affected Property Owner (MAPO) meetings assumed):

- Prepare overall exhibits, and maps of the project limits for MAPOs.
- Attend additional meetings with affected local agencies, County's consultants, and affected property owners.

c. CONSTRAINTS MAP

• Develop additional preliminary alignments in response to stakeholder concerns and corridor constraints.

d. DELIVERABLES:

- Maps, and Exhibits for all Stakeholder Coordination Meetings.
- Updated Design Summary Form (electronic pdf and electronic copies)
- f. TRAFFIC ANALYSIS Remove below scope from original scope

Evaluate up to 18 new intersections formed by the preferred alignment with existing County Roads.

Evaluate appropriate traffic control at the new intersections based on traffic volume data obtained from existing traffic counts and traffic future projections. Evaluate appropriate lane geometry at the new intersections.

Use Synchro software to develop AM and PM peak-period traffic operations model for preferred alignment of Ronald Reagan Blvd. from IH-35 to SH 95.

Evaluate traffic operations conditions for the preferred alignment for the years 2025, 2045, & one (1) future horizon year.

Summarize Measures of Effectiveness (MOEs) at the study intersections using the traffic model.

Evaluate up to two (2) different grade separated interchange configurations at the future intersection at SH 95.

Use HCS software to analyze any ramp merge/diverge/weave segments for up to four (4) future direct-connect ramps between Ronald Reagan Blvd. extension and SH 95.

DELIVERABLES

Draft technical memorandum

Address one (1) set of review comments from County

Final copy of memorandum

Submit traffic models

3. PUBLIC INVOLVEMENT - Remove below from original scope

- a. The County will provide general public outreach and engagement throughout the project. PUBLIC MEETING/OPEN HOUSE (2 public meetings assumed):
 - Provide staff support only for public meetings conducted by others.
 - Prepare exhibits for Public Meetings.

4. RIGHT OF WAY (ROW) MAPPING

• (no change in scope)

5. SURVEYING

a. RIGHT OF ENTRY:

• Prepare additional right of entry (ROE) letters per the County's standard for property owners adjacent to multiple alternative alignment corridors.

6. SCHEMATIC DEVELOPMENT

a. SCHEMATIC:

- Prepare preliminary schematic submittals for two additional options for the IH35 Interchange and corridor east of the interstate per Williamson County submittal requirements and selected design criteria including proposed cross sections, typical sections, roadway centerline, proposed drainage structures, direction of flow and number of travel lanes, intersecting streets, property boundaries and information, ROW, preliminary pavement section, preliminary driveway locations, horizontal alignment data, profile data, identification of known utilities.
- Prepare schematic for full directional interchange at IH35 including fully directional direct connector ramps assuming existing exit and entrance ramps along IH35 will be relocated by others in the future.

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b. DELIVERABLES:

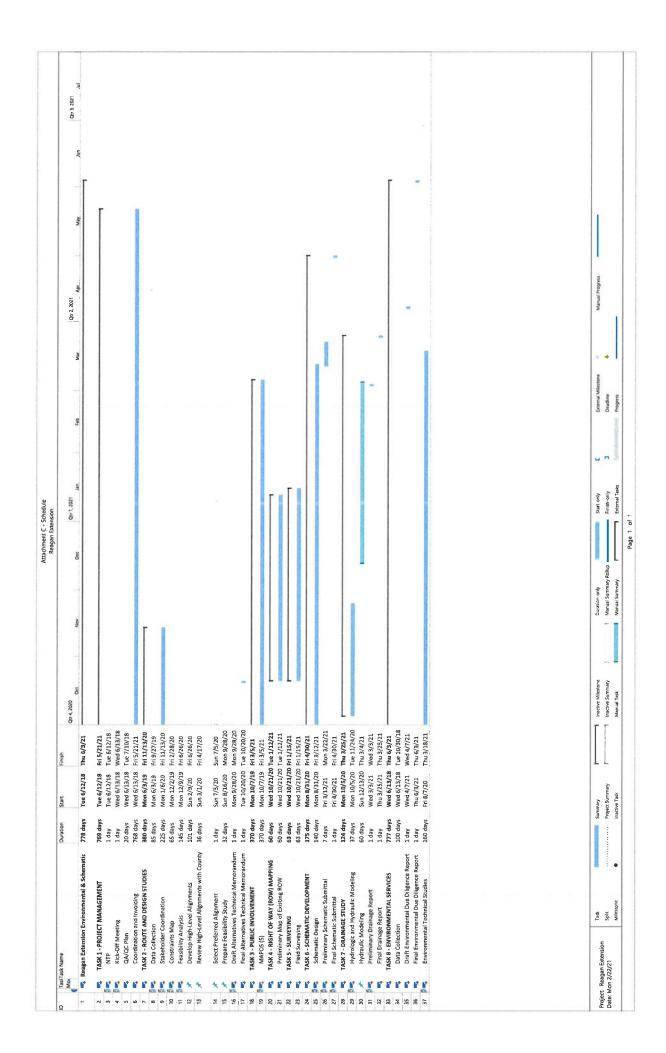
- Additional Option 2 Schematic at IH35Additional Option 3 Schematic at IH35
- Schematic for fully directional interchange at IH35 with direct connector ramps.

7. DRAINAGE STUDY

• (no change in scope)

8. ENVIRONMENTAL SERVICES

- a. PHASE I ENVIRONMENTAL SITE ASSESSMENT (2)
 - Perform one (1) Environmental Site Assessment
- b. DELIVERABLES:
 - Draft & Final Phase I Environmental Site Assessment



SUMMARY

REAGAN EXTENSION

| | | Halff | RPS | | | | | Γ |
|-----------------|----------------------------|---------------|-----------------|----------------|----------------|----------------|----------------|-------------|
| Task | Description | Associates, | Infrastructure, | CD&P | Cox McLain | Kimley-Horn | TOTALS | (0 |
| Task 1 | PROJECT MANAGEMENT | \$ 30,019.10 | \$ 5,193.50 | \$ (3,215.00) | | \$ (4,532.48) | ₩ | 27,465.12 |
| Task 2 | ROUTE AND DESIGN STUDIES | \$ 30,142.48 | \$ 22,959.00 | \$ (4,920.00) | \$ (27,235.00) | \$ (43,552.60) | \$ (22,60 | (22,606.12) |
| Task 3 | PUBLIC INVOLVEMENT | | | \$ (13,000.00) | (8,920.00) | | \$ (21,920.00) | (00:00 |
| Task 4 | RIGHT OF WAY (ROW) MAPPING | \$ 12,024.00 | | | | | \$ 12,02 | 12,024.00 |
| Task 5 | SURVEYING | | | | | | ₩ | , |
| Task 6 | SCHEMATIC DEVELOPMENT | \$ 118,836.55 | | | | | \$ 118,836.55 | 36.55 |
| Task 7 | DRAINAGE STUDY | | | | | | \$ | , |
| Task 8 | ENVIRONMENTAL SERVICES | \$ 5,300.28 | | | | | \$ 5,30 | 5,300.28 |
| Direct Expenses | | | | | | \$ (567.28) | ↔ | (567.28) |
| | | | | | | | | Г |
| SUB TOTALS | | \$ 196,322.41 | \$ 28,152.50 | \$ (21,135.00) | (36,155.00) | (48,652.36) | \$ 118,532.55 | 32.55 |
| TOTAL WORK | | | | | | | \$ 118,532.55 | 32.55 |
| | | | | | | | | |
| | | | | | | | \$ 118,532.55 | 32.55 |

HALFF ASSOCIATES, INC.

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| | PRINCIPAL- | PROJECT | DEPUTY | QUALITY | | PROJECT | DESIGN | ENGINEER IN CJ | CADD | See | ENA | EN | ENA | ENA | RPLS TASK | SURVEY | CLERICAL | TOTAL | TOTAL LABOR |
| | IN-CHARGE | MANAGER | MANAGER | MANAGER | ENGINEER | ENGINEER | ENGINEER TR | TRABILING OPE | OPERATOR OPERATOR | NTOR OPERATOR | OR SCIENTIST | TST SCIENTIST IN | ST SCIENTIST | SCIENTIST | LEADER | TECH | / ADMIN | MAN- HOURS | FOR TASK |
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| PROJECT MANAGEMENT | | | | | | | | | | | | | | | | | | | |
| A MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS | | ¥ | 18 | | | | | + | | + | + | + | | | | | 6 | <u>ج</u> | \$5,804 |
| C COORDINATION / PROCRESS MEETINGS | | | | | | | | | 1 | + | + | + | 1 | 1 | | | + | | |
| KICKOFF MEETING (1) | | | | | 1 | 1 | | + | | + | + | + | 1 | 1 | | | + | ; | |
| COORDINATION/PROGRESS MEETINGS (20) | 6 | 80 | 18 | | | | | | | - | + | + | | | | | | 8 | \$7,209 |
| INTERNAL COORDINATION MEETINGS (20) | | 80 | 18 | | | | | | | | - | - | | | | | | 5g | \$6,129 |
| SUBCONSULTANT MANAGEMENT | | 2 | 12 | | | | | | | | | | | | | | 9 | 50 | \$3,698 |
| PROJECT SCHEDULE | | - | 80 | T | 0 | t | 80 | + | 00 | + | + | | 00 | 1 | | | + | 43 | \$7,178 |
| distribution to water | ŀ | ۶ | ļ | Γ | Ę | T | | H | | L | H | L | ŀ | L | | | á | \$ | 630 040 |
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| ROLLE AND DESIGN STUDIES | | | | Ī | Ī | t | t | ł | ŀ | ŀ | ŀ | ŀ | L | | | | ŀ | _ | |
| | | | | | | | | | | | Н | | | | | | | • | |
| DESIGN SUMMARY FORM (INTERCHANGE AT H35) | | - | 2 | | 1 | 9 | 1 | 1 | + | + | + | + | 1 | 1 | | | + | 6 | \$1,759 |
| B STAKEHOLDER COORDINATION | | 70 | 6 | | T | t | t | + | | + | + | + | - | 1 | | | + | • | 430 304 |
| CCORDINALION MEET INGS | | š | 8 | | Ī | | | + | - | | + | + | | | | | + | • | *05,024 |
| SUBTOTAL HOURS/COSTS | | 98 | 32 | | | 9 | | | | | | | | | | | | 123 | \$30,142 |
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| PUBLIC INVOLVEMENT | | | | | | | | | | | | | | | | | | | |
| A PUBLIC MESTNICHOPEN HOUSE | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | | | | | | | | | | | _ | _ | | | | | | | |
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|) MAPPING | | | | | T | 1 | | + | + | 1 | + | + | - | - | | - | + | | |
| A TASK MANAGEMENT / PROGRESS REPORTS | | | | | T | | t | + | + | + | + | + | - | - | | 1 | + | | |
| C PREPARE ABSTRACT BASE MAP | | | | | | T | | t | <u> </u> | - | H | - | | L | | | - | | |
| D DEFONDED AND ANALYZE EVICTUAL DOWN MANIMENTATION I OBSORIETY STORY | | | | | | | | | | | | | | | | | | | |
| E PARCEL DESCRIPTIONS & PLAYS (ESTIMATED 10 PARCELS) | | | | | | | T | - | <u> </u> | <u> </u> | H | - | | | | L | - | | |
| F PREPARE INITIAL DELIVERABLES | | 12 | 8 | | 8 | | | 56 | | | | | | | | | 32 | * | \$12,024 |
| G RESPOND AND REVISE BASED ON COMMENTS | | | | | | | | + | 1 | | + | + | | - | | | - | | |
| I PREPARE FINAL DELIVERABLES | | | | | | | | | | | H | \parallel | | | | | - | | |
| SUBTOTAL HOURS/COSTS | | 12 | 60 | | 80 | | | 18 | | | | | | | | | 32 | 98 | \$12.024 |
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HALFF ASSOCIATES, INC.

REAGAN EXTENSION

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| TASK 5 SURVEYING | | | | | | l | H | - | ŀ | ŀ | ŀ | L | | | L | | |
| A RIGHT OF ENTRY - ALTERNATIVE ALIGNMENTS B RIGHT OF ENTRY - SURVETING FOR DIABANGE STRUCTURESICHANNELS | | | | | | | | | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | | | | | | | | | | | | | | | | L | |
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| TASK 6 SCHEMATIC DEVELOPMENT | | | | | | | ŀ | | ŀ | ŀ | L | L | | | L | | |
| SCHEMATIC AT INDS OPTION 2 | 19 | | 31 5 | | 77 | 31 | 48 | 24 | | | | | | | | 259 | \$43,640 |
| SCHEMATIC AT INSS OPTION 3 | 19 | 250 | 31 5 | 24 | | 31 | 48 | 24 | | | | | | | | 259 | \$43,640 |
| COMEPTIAL INTERCHANGE LAYOUT AT 11 35 (ASSUME EXISTING EXIT AND ENTRANCE RAMPS ALONG INSS WILL BE RELOCATED BY OTHERS IN THE FUTURE.) | | 5 | 10 5 | 15 | 63 | 31 | 48 | 31 | | | | | | | | 208 | \$31,556 |
| | | | | | | | | | \parallel | \parallel | \parallel | | | | | | |
| SUBTOTAL HOURS/COSTS | 8 | 22 | 15 | 8 | 217 | 83 | 141 | 5 | | | - % | | | | | 726 | \$118,837 |
| the second secon | | | | | | | | | Ц | | | | | | | | |
| TASK 7 DRAINAGE STUDY | | | | | | | | | | | | | | | | | |
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| SUBTOTAL MOURS/COSTS | | | | | | | | | | | | | | | | | |
| | | | | | | | | | L | | L | | | L | L | | |
| TASK 8 ENVIRONMENTAL SERVICES | | | | | | | H | | H | ŀ | L | L | | L | L | _ | |
| B ENVRONMENTAL TECHNICAL STUDIES PERFORM TWO PHASE I ENVRONMENTAL SITE ASSESSMENTS | 2 | | | | | | | | 2 | .8 | 12 | 12 | | | 2 | 8 | \$5,300 |
| SUBTOTAL HOURS/COSTS | 2 | | | | | Ī | _ | _ | - 2 | - | 12 | 12 | _ | | 2 | 33 | \$5,300 |
| | | | | | | | | | | | | | | | | | |

4 OF 10

ATTACHMENT "D" FEE SCHEDULE

HALFF ASSOCIATES, INC.

REAGAN EXTENSION

| FEE SUMMARY | | | | | | | | 6 | | | | L | _ | - | | L | F | | |
|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|--------------|--------------|---------------|---------------|-------------------|------------|-------------|----------|----------|------------|----------------|------------------------|
| | 3 | 23 | 74 | | 10 | | 80 | | 80 | | | | 80 | | | | 15 | | \$30,019.10 |
| | | 85 | 32 | | | 9 | | | | - | - | - | | | | | | 12 | \$30,142.48 |
| TASK 3 PUBLIC INVOLVEMENT | | | | | | | | | | | | | | | | | | | |
| TASK 4 RIGHT OF WAY (ROW) MAPPING | | 12 | 8 | | 89 | | | 26 | _ | - | - | - | | | | | 32 | 8 | \$12,024.00 |
| TASK 5 SURVEYING | | | | | | | | | - | | - | - | | | | | - | | |
| TASK 6 SCHEMATIC DEVELOPMENT | | 43 | 72 | 15 | 63 | 217 | 93 | 144 | 79 | - | - | - | - | - | | L | H | 726 | \$118,836.55 |
| TASK 7 DRAINAGE STUDY | | | | | | | | | | | | | | | | | _ | Г | |
| TASK 8 ENVIRONMENTAL SERVICES | | 2 | | | | | | | | 2 | | 3 12 | 2 12 | | | | 2 | 8 | \$5,300.28 |
| TOTAL HOURS | 3 | 165 | 186 | 15 | 81 | 223 | 101 | 170 | 87 | 2 | | 3 12 | 2 20 | | | | 49 | 1117 | |
| CONTRACT RATES (\$) | \$359.94 | \$257.10 | \$226.25 | \$213.91 | \$210.82 | \$174.83 | \$149.12 | \$113.12 \$8 | \$87.41 \$14 | \$146.03 \$11 | \$116.21 \$20 | \$203.62 \$171.74 | \$1. | 13 \$100.78 | \$210.82 | \$123.41 | 41 \$78.16 | 91 | |
| TOTAL LABOR COSTS | \$1,080 | \$42,422 | \$42,083 | \$3,209 | \$17,076 | \$38,987 | \$15,081 | \$19,230 \$7 | \$7,605 | \$292 | 35 | \$511 \$2,061 | 61 \$2,777 | | | | \$3,830 | 30 | \$196,322.41 |
| | | | | | | | | - | - | - | - | - | | _ | | | - | | |
| TOTAL BY CATEGORY | 1% | 22% | 21% | 2% | %6 | 20% | 8% | 10% | 4% | %0 | _ | 1% | ** | | | | 5% | 100% | \$196,322.41 |
| | | | | | | | | | | | _ | H | | Ц | | | H | | |
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| TOTAL PEE | | | | | | | | | | - | | \vdash | _ | _ | | | | TOTAL FEE * | TOTAL FEE \$196,322.41 |

CD&P

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| ASK/DESCRIPTION | PRINCIPAL | MANAGER | SPECIALIST | SPECIALIST | WEB DEVELOPER | | CLERICAL | MAN- | FOR TASK |
| | | | SR | | S. | | | HOURS | |
| | | | | | | | | | |
| ASK 1 PROJECT MANAGEMENT | | | | | | | | | |
| A MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS | | 8- | | 9- | | | | -14 | (\$1,640) |
| B PROJECT COORDINATION & ADMINISTRATION | | -3 | | 6. | | | | φ | (\$690) |
| E PROGRESSICOORDINATION MEETINGS | -3 | -3 | | | | | | φ | (\$882) |
| | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | 67 | 44 | | ą | | | | 86. | (\$3.245) |
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| ASK 2 ROUTE AND DESIGN STUDIES | | | | | | | I | | |
| " | 9- | -12 | | -12 | | -18 | Ī | 8 | (\$4,920) |
| | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | ф | -12 | | -12 | | -18 | | 8 | (\$4.920) |
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| SK3 PUBLIC INVOLVEMENT | | | | | | | | | |
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| SUBTOTAL HOURS/COSTS | -28 | -28 | | 25 | | 987 | | -116 | (\$13.000) |
| | | | | | | | | | |
| EE SUMMARY | | | | | | | | | |
| | 6- | -14 | | 6- | | | | -26 | (\$3,215.00) |
| | 9- | -12 | | -12 | | -18 | | ₹ | (\$4,920.00) |
| ASK 3 PUBLIC INVOLVEMENT | -28 | -28 | | -24 | | -36 | | -116 | (\$13,000.00) |
| OTAL HOURS | -37 | -54 | | 45 | | \$5 | | -190 | |
| ONTRACT RATES (\$) | \$165.00 | \$130.00 | \$115.00 | \$100.00 | \$90.00 | \$65.00 | \$50.00 | | |
| ITAL LABOR COSTS | (\$6,105) | (\$7,020) | | (\$4,500) | | (\$3,510) | | | (\$21,135.00) |
| | | | | | | | | | |
| NTAL BY CATEGORY | 29% | 33% | | 21% | | 17% | | 100% | (\$21,135.00) |
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| | PROJECT | ENVIRONMENTAL | ENVIRONMENTAL | ENVIRONMENTAL ENVIRONMENTAL ENVIRONMENTAL | ENVIRONMENTAL | | Sis | FIELD | FIELD | TOTAL | TOTAL LABOR |
| IDESCRIPTION | MANAGER | PLANNER | SCIENTIST | SCIENTIST | SCENTIST | BIO/ARCH | TECHVADMIN | TECH | ТЕСН | MAN- | FOR TASK |
| | | | | | | | | 5 | | mound | |
| PROJECT MANAGEMENT | | | | | | | | | | | |
| B PROJECT COORDINATION & ADMINISTRATION F PROPERTY OF THE PROP | | | | | | | | | | | |
| ATTEND KICKOFF MEETING | | | | | | | | | | | |
| ATTEND PROGRESS MEETINGS BY PHONE | | | | | | | | | | | |
| INTERNAL COORDINATION MEETINGS | | | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | | | | | | | | | | | |
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| ROUTE AND DESIGN STUDIES | | | | | Ī | | | | I | | |
| A DATA COLLECTION | | | | | | | | | | | |
| WATER QUALITY AND WETLANDS/WATERS OF OF THE US, FLOODPLAINS | ۲- | | -2 | 9 | | -14 | -14 | φ | | 94 | (\$3,470) |
| ECOLOGICAL RESOURCES - WILDLIFE HABITAT, TAE SPECIES | 1- | ١- | -5 | 4 | | -14 | -14 | -16 | | -52 | (\$3,720) |
| CULTURAL RESOURCES - HISTORIC, ARCHAEOLOGICAL SITES, CEMETERIES | 7 | 7 | £- | | .3 | -14 | -14 | | | 96 | (\$2,825) |
| PREPARE EVAL MATRIX CRITERIA, POPULATE MATRIX, REVIEW EVALUATION MATRIX | φ | 4 | 4 | -5 | 89 | 4 | -12 | -2 | | 4 | (\$3,920) |
| B STAKEHOLDER COORDINATION | | | | | | | | | | | |
| STAKEMOLDER COORDINATION MEETINGS (ATTEND 5 MEETINGS ASSUMED) | -12 | | -12 | | | | | | | -24 | (\$3,120) |
| C CONSINAIS MAP (3 (1 HREE) OK 4 (FOUR) PRELIMINARY ALKONMENTS ASSUMED) | , | 1 | | , | 1 | 1 | | | | | |
| DEVELOP CONSTRAINT MAP (DRAFT AND FINAL) | , | ZL- | P | 01- | 91- | -16 | -32 | -20 | | -121 | (\$10,180) |
| SUBTOTAL HOURS/COSTS | -28 | 61- | é | -52 | -27 | 62 | # | 4 | | 32 | (\$27 235) |
| | | | | Ī | Ī | | | | Ī | Ī | |
| PUBLIC INVOLVEMENT | | | | | | | | | Γ | | |
| B PUBLIC MEETINGS / OPEN HOUSE | | | | | | | | | | | |
| PREPARE EXHIBITS | 4 | | æ | | | -16 | | | | -78 | (\$2,680) |
| ATTEND PUBLIC MEETINGS (2 TOTAL) | -12 | | -24 | | | -24 | | | | Ş | (\$6,240) |
| | | | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | -16 | | -32 | | | 8 | | | | a | (68 020) |
| | | 1 | | ١ | 1 | | | | | 90 | (30,320) |

COX MCCLAIN ENVIRONMENTAL CONSULTING, INC.

| | | RONALD | RONALD REAGAN EXTENSION | NSION | | | | | | | |
|--|----------|---------------|-------------------------|---------------|---|------------------------|------------|-----------|---------|---------------|---------------|
| | PROJECT | ENVIRONMENTAL | ENVIRONMENTAL | ENVIRONMENTAL | ENVIRONMENTAL ENVIRONMENTAL ENVIRONMENTAL | | 88 | FIELD | FIELD | TOTAL | TOTAL LABOR |
| ASKIDESCRIPTION | MANAGER | PLANNER | SCIENTIST | SCIENTIST | SCIENTIST | BIO/ARCH | TECH/ADMIN | TECH | TECH | MAN- | FOR TASK |
| | | SS | SR | 2 | = | III | | es | | HOURS | |
| TASK & ENVISONMENTAL SEBUCES | | | | | | | | | | | |
| ı | | I | I | I | I | | | | | | |
| ENVINORMENT AL DOES ULICOENCE REPORT | | | | | | | | | | | |
| PARTONON AND GLOWIN THAN DEPORT TO MILEO DEPORT | | | | | | | | | | | |
| CHARACAL TOTAL SCHOOL AT CALINAGE | | | | | | | | | | | |
| CENTINA AND DEGENERAL AND CHONES | | | | | | | | | | | |
| ECOLOGICA STATE SAME BROLOGICAL EVALUATION FORM (WCORPORATE SWCA | | | | | | | | | | | |
| HISTORIC RESOURCES RESEARCH DESIGN | | | | | | | | | | | |
| HISTORIC RESOURCES SURVEY REPORT (DRAFT AND FINAL) | | | | | | | | | | | |
| ARCHEOLOGICAL ANTIQUITIES PERMIT APPLICATION | | | | | | | | | | | |
| ARCHEOLOGICAL FIELD SURVEY (PED SURVEY AND SHOVEL TESTS) | | | | | | | | | | | |
| ARCHEOLOGICAL SURVEY REPORT | | | | | | | | | | | |
| COMMINISTRATIONS I AND USE COMMINISTRATIONS - VINCINION OF THE PROPERTY AND USE OF THE PROPERTY OF THE PROPERT | | | | | | | | | | | |
| COMMUNITY - SOCIOEV, RELOCATIONS, LAND USE, COMMUNITY IMPACTS ELC | | | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | | | | | | | | | | | |
| | | | 850 | | | | | | | | |
| FEE SUMMARY | | | | | | | | | | | |
| TASK 1 PROJECT MANAGEMENT | | | | | | | | | | | |
| | -28 | -19 | -34 | -22 | -27 | -62 | -86 | 46 | | -321 | (\$27,235.00) |
| | -16 | | -32 | | | -40 | | | | 89 | (\$8,920.00) |
| TASK 8 ENVIRONMENTAL SERVICES | | | | | | Company of the Company | | | | | |
| TOTAL HOURS | 44 | -19 | -63 | -22 | -27 | -102 | -86 | 46 | | 409 | |
| CONTRACT RATES (\$) | \$150.00 | \$130.00 | \$110.00 | \$95.00 | \$85.00 | \$75.00 | \$65.00 | \$55.00 | \$45.00 | | |
| TOTAL LABOR COSTS | (26,600) | (\$2,470) | (\$6,930) | (\$2,090) | (\$2,295) | (\$7,650) | (\$5,590) | (\$2,530) | | | (\$36,155.00) |
| | | | | | | | | | | | |
| TOTAL BY CATEGORY | 18% | %2 | %6L | %9 | %9 | 21% | 15% | %2 | | 100% | (\$36.155.00) |
| | | | | | | | | | | | |
| | | | | | | | | | TOT | TOTAL LABOR = | (\$36,155.00) |
| | | | | | | | | | | l | |
| | | | | | | | | | 1 | TOTAL FEE = | (\$36,155.00) |
| | | | | 1 | | | | | | l | l |

KIMLEY-HORN AND ASSOCIATES, INC.

| ASK / DESCRIPTION ASK / DESCRIPTION ASK PROJECT WANGEMENT ARCHITY PROJECT COORDINATION & ADMINSTRATION MONTHLY PROGRESS REPORTS MONTHLY INVOICES B PROJECT COORDINATION & ADMINSTRATION | SENGINEER | PROJECT MANAGER | PROJECT ENGINEER, | 描 | PROJECT CONTROLLER | NIJMCOV | TOTAL MANH- HOURS -3 -7 -7 | TOTAL LABOR FOR TASK (\$531) (\$947) |
|---|-----------|-----------------|--|------|-----------------------|---------|---|---|
| PROJECT MANAGEMENT A PROJECT COORDINATION & ADMINISTRATION MONTHLY PROCESS REPORTS MONTHLY WROCESS PROJECT COORDINATION & ADMINISTRATION | ENGINEER | | | 齿 | CONTROLLER | Ијист | MAN. HOURS | (\$331) (\$947) (\$708) |
| A PRO | | Q Q 4 4 Q 4 | Çi Çi | | 4 | | लं निक्क | (\$531) (\$947) (\$708) |
| A PROJECT MANAGEMENT A PROJECT COORDINATION & ADMINISTRATION MONTHLY PROGRESS REPORTS MONTHLY WROCKES B PROJECT COORDINATION & ADMINISTRATION | | 0 0 4 4 0 4 | Çi Çi | | 7 | | ማጉ ቀቀ ቀዋ | (\$531) (\$947) (\$708) |
| A PROJECT COORDINATION & ADMINISTRATION MONTHLY PROGRESS REPORTS MONTHLY INVOICES B PROJECT COORDINATION & ADMINISTRATION | | ù ù 4 4 4 4 | 4 4 | | 4 | | 44 44 | (\$531) (\$947) (\$708) |
| MONTHLY PROGRESS REPORTS MONTHLY INVOICES B PROJECT COORDINATION & ADMINISTRATION | | ù ù 4 4 14 4 | 4 4 | | 4 | | 44 44 | (\$531) (\$947) (\$708) |
| MONTHLY INVOICES B PROJECT COORDINATION & ADMINISTRATION | | 4 4 4 4 | 2, 2, | | 4 | | r 44 44 | (\$947) |
| B PROJECT COORDINATION & ADMINISTRATION | | 4 4 4 4 | 2-2-7-2-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | | | | 77 79 | (\$708) |
| | | 4 4 0 4 | 5. 5. | | | | 77 74 | (\$708) |
| CORRESPONDENCE AND COORDINATION | | 4 4 | 2. | | | | 4 44 | |
| MANAGE PROJECT | | ú 4 | 야 야 | | | | 7 4 | (\$708) |
| D PROGRESS/COORDINATION MEETINGS | | ch 4 | 2- 2- | | | | 4 4 | |
| PREPARE FOR AND ATTEND KICK-OFF MEETING | | 4 | -2 | | | | φ | (\$642) |
| PREPARE FOR AND ATTEND UP TO 2 COORDINATION MEETINGS | | | | | | | | (966\$) |
| | | | | | | | | |
| SUBTOTAL HOURS/COSTS | | -20 | 4 | | 4 | | -28 | (\$4,532) |
| | | | | | | | | |
| TASK 2 ROUTE AND DESIGN STUDIES | ľ | | | | | | | |
| A DATA COLLECTION | | | | | | | | |
| OBTAIN AND REVIEW TRAFFIC COUNTS (FROM HALFF) | | -2 | | 4 | | | φ | (\$856) |
| OBTAIN TRAIN CROSSING INFO | | -1 | ٩ | | | | φ | (\$753) |
| F TRAFFIC ANALYSIS | | | | | X - X | | | |
| DEATHY STUDY INTERSECTIONS ALONG "PREFERRED ALTERNATIVE" | -5 | 4 | | 2 | | | 9 | (\$1,344) |
| DEVELOP SYNCHRO MODEL FOR AM & PM PEAKS | | φ | -20 | 240 | | | 99 | (\$8,662) |
| DETERMINE APPROPRIATE TRAFFIC CONTROL MODE AT CRITICAL INTERSECTIONS | -2 | -5 | -2 | | | | ආ | (\$1,573) |
| ANALYZE OPERATING CONDITIONS & SUMMARIZE RESULTS FOR 2025, 2045, FUTURE | | -15 | -25 | -40 | | | 8 | (\$10,975) |
| DETERMINE APPROPRIATE LANE GEOMETRY AT CRITICAL STUDY INTERSECTIONS | -2 | 4 | | | | | φ | (\$1,108) |
| EVALUATE 2 GRADE SEPARATE INTERCHANGE CONFIGURATIONS | -2 | 9. | -5 | 10 | | | -22 | (\$3,185) |
| HCS ANALYSIS -2 | | 9 | -15 | -20 | | | ₹ 1 | (\$6,012) |
| TECH MEMO | | φ | -16 | -40 | | -5 | 89 | (\$9,115) |
| | | | | | | | | |
| Sue Total Municipal Marian Sue | 97 | 4 | 287 | -156 | | ć, | -343 | (\$43.553) |

KIMLEY-HORN AND ASSOCIATES, INC.

| æ | RONALD REAGAN EXTENSION | N EXTENSION | | | | | | | |
|---------------------------------|-------------------------|-------------|------------|------------|------------|----------|---------|---------------|---------------------------|
| FEE SUMMARY | | | | | | | | | |
| TASK 1 PROJECT MANAGEMENT | | | -20 | 4 | | 4 | | -58 | (\$4,532.48) |
| TASK 2 ROUTE AND DESIGN STUDIES | φ | 82- | -54 | -87 | -156 | | -5 | -313 | (\$43,552.60) |
| TOTAL HOURS | g | ф | -74 | -91 | -156 | 4 | -2 | -341 | |
| CONTRACT RATES (\$) | \$215,00 | \$200.00 | \$177.00 | \$144.00 | \$118.00 | \$104.12 | \$84,30 | | |
| TOTAL LABOR COSTS | (\$1,290) | (\$1,600) | (\$13,098) | (\$13,104) | (\$18,408) | (\$416) | (\$169) | | (\$48,085.08) |
| | | | | | | | | | |
| TOTAL BY CATEGORY | 3% | 3% | 27% | 27% | 38% | 1% | %0 | 100% | (\$48,065.08) |
| | | | | | | | | | |
| | | | | | | | TOT/ | TOTAL LABOR = | (\$48,085.08) |
| | | | | | | | TC | TOTAL ODE = | (\$567.28) |
| | | | | | | | | | |
| | | | | | | | ΣT | TAL FEE = | TOTAL FEE = (\$48,652.36) |

| | 3 | 5 | PRICE | TOTAL |
|----------------------------------|-----|--------|---------|-------|
| MILEAGE | 400 | mile | \$0.545 | -218 |
| STANDARD POSTAGE | 2 | letter | \$0.49 | 96:0- |
| OVERNIGHT MAIL - LETTER SIZE | 2 | each | \$25.40 | -50.8 |
| OVERNIGHT MAIL - OVERSIZED BOX | 2 | each | \$35.00 | -70 |
| COURIER SERVICES | 2 | each | \$35.00 | -70 |
| PHOTOCOPIES B/W (8 1/2" X 11") | 100 | each | \$0.10 | -10 |
| PHOTOCOPIES B/W (11" X 17") | 20 | each | \$0.20 | -10 |
| PHOTOCOPIES COLOR (8 1/2" X 11") | 100 | each | \$0.75 | -75 |
| PHOTOCOPIES COLOR (11" X 17") | 20 | each | \$1.25 | -62.5 |

10 OF 10

ATTACHMENT "D" FEE SCHEDULE

RPS INFRASTRUCTURE, INC. RONALD REAGAN EXTENSION

| . ABK.DESCRIPTION | PRINCIPAL. IN-CHARGE | PROJECT MANAGER SR | MANAGER | GUALITY | ENGINEER | PROJECT | DESIGN | ENGINEER- IN-TRAINING | SEMOR CADO OPERATOR | CADD | GIS OPERATOR | ENV PLANNER | PLANNER TRA | RANSPORTATION 3 | 10 VISUAL SPECIALIST | CLERICAL N | TOTAL TO MAN-HOURS | TOTAL LABOR FOR TABK |
|--|-------------------------|--------------------------|----------|----------|----------|----------|-----------|--------------------------|------------------------|---------|-----------------|-------------|-------------|-----------------|-------------------------|---------------|--------------------|-------------------------|
| TASK 1 PROJECT MANAGEMENT | | T | T | T | 1 | t | T | t | T | T | 1 | † | † | 1 | t | T | - | |
| | | | | | | | - | | | | T | l | t | - | t | Γ | | |
| A INTERNAL PROJECT DEVELOPMENT COORDINATION | | 2 | | | | | | | | | | | | | | | 2 | \$1,234 |
| B. SUBMIT WRITTEN MONTLY PROGRESS REPORTS | | | 7 | | | | | | | | | | | - | | 4 | 80 | \$1,193 |
| C PREPARE AND SUBMIT MONTHLY INVOICES | | | 4 | | | | 13 | | | | | | | | | 3 | 7 | \$1,100 |
| D ATTEND COORDINATION MEETINGS WITH COUNTY & PROJECT TEAM | | 2 | | | | 3. | | | | | | | | | | | 80 | \$1,666 |
| | | | | | | | | | | | | | | | | | | |
| | | 1 | 1 | 1 | | | | | | | | | | | | | | |
| SUBTOTAL HOURS/COSTS | | 9 | 66 | | | | | | | | | | | | | _ | _ | |
| | | | 1 | t | t | † | \dagger | t | T | I | t | t | t | t | t | + | + | \$5,194 |
| ASK 2 ROUTE AND DESIGN STUDIES | | Ī | I | t | f | t | | t | T | T | T | t | t | | t | T | _ | |
| A DATA COLLECTION | | | T | - | - | | t | | | | T | t | t | | t | T | _ | |
| INVESTIGATE AND OBTAIN EXISTING AVAILABLE CORRIDOR DATA | | 2 | | | | 7 | | 4 | | | | | | | | T | _ | 51 584 |
| FIELD RECONNAISSANCE | | | | | | * | | 4 | | | | | | | l | | | \$1,090 |
| ANALYZE EXISTING CONDITIONS | | 2 | | | | 4 | | 4 | | | | | | | | | - 9 | \$1.584 |
| FEASIBILITY ANALYSIS | | | | - | | | | | | | | | | | l | | _ | |
| ALTERNATIVE ANALYSIS (4 ADDITIONAL PRELIMINARY ALICHMENTS) | | 4 | | | 9 | | | | 12 | | | | | - | | I | - | \$3.610 |
| ROWIEASEMENT IDENTIFICATION | | | | | | 4 | | | 4 | | | | | | l | Ι | : « | \$4.111 |
| PROPERTY OWNER MAP EXHIBITS | | 4 | | | | 12 | | | | | 09 | | | | | Ι | 92 | \$8,502 |
| UPDATE DRAFT AND FINAL FEASIBLE ALTERNATIVE TECHNICAL MEMORANDUM | | | 4 | | | 9 | | | | | | | | | | 9 | 16 | \$2,242 |
| QUALLITY ASSURANCE GUALLITY CONTROL | | * | 1 | * | | | | 1 | | 1 | 1 | + | | | 1 | I | 6 | \$2,237 |
| BUBTOTAL HOURS/COSTS | - | 9 | , | , | ۰ | 28 | | 12 | 16 | | s | | | | T | , | ╀ | |
| | | | | | - | 1 | 1 | | | t | | t | t | | t | t | 80 | 922,328 |
| FEE SUMMARY | | | | | t | t | | | | | T | t | | | t | ł | t | I |
| FASK 1 PROJECT MANAGEMENT | | 10 | 80 | - | | 3 | | | | | | | | - | | 7 | _ | \$5 193.50 |
| TASK 2 ROUTE AND DESIGN STUDIES | 1 | 16 | * | 4 | 9 | 34 | | 12 | 16 | | 09 | | | | | 9 | 159 | \$22,959.00 |
| TOTAL HOURS | - | 26 | 12 | + | 9 | 37 | | 12 | 16 | | 9 | | 2 | | | - | ┝ | |
| CONTRACT RATES (\$) | \$303.38 | \$246.82 | \$205.68 | \$236.53 | \$169.69 | \$143.98 | \$102.84 | \$128.55 | \$133.69 | \$92.56 | \$113.12 | \$246.82 | \$185.11 | \$154.26 | \$133.69 | <u>_</u> | H | l |
| TOTAL LABOR COSTS | \$303 | \$6,417 | \$2,468 | \$946 | \$1,018 | \$5,327 | | \$1,543 | \$2,139 | | 56,787 | | | | | \$1,203 | 147 | \$28,152.50 |
| | | | | | | | | | | | | + | | | | | | |
| OTAL BY CATEGORY | 1% | 73% | %6 | 3% | 4% | 19% | 1 | 2% | %8 | | 24% | | | | | 4% 1 | 100% \$: | \$28,152.50 |
| | 1 | t | t | 1 | 1 | 1 | 1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | TOTAL LABOR = | | \$28,152.50 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 10101 | | 428 152 ED |