

**FIRM:** K FRIESE + ASSOCIATES, LLC (“Engineer”)  
**ADDRESS:** 1120 S. Capital of Texas Hwy, CityView 2, Suite 100, Austin, TX 78746  
**PROJECT:** Greenlawn Boulevard Widening – SH 45 to IH 35

III.

Article 4, Compensation and Exhibit D, Fee Schedule shall be amended by increasing by \$222,010.00 the lump sum amount payable under the Contract for a total of \$1,198,405.00, as shown by the attached Addendum to Exhibit D.

**IN WITNESS WHEREOF**, the City and the Engineer have executed this Supplemental Contract in duplicate.

**K FRIESE + ASSOCIATES, LLC**

By: Thomas M. Owens, P.E.  
Thomas M. Owens, PE, Vice President

Digitally signed by Thomas M. Owens, P.E.  
DN: C=US, E=towens@kfriese.com, O="K Friese &  
Associates, Inc.", CN="Thomas M. Owens, P.E."  
Date: 2023.09.12 15:53:54-05'00'

12 SEP 23  
**Date**

**CITY OF ROUND ROCK**

**APPROVED AS TO FORM:**

**By:** \_\_\_\_\_  
**Craig Morgan, Mayor**

\_\_\_\_\_  
**Stephanie L. Sandre, City Attorney**

\_\_\_\_\_  
**Date**

ADDENDUM TO EXHIBIT A  
City Services

The City of Round Rock (City) will provide the following information and other assistance to K Friese & Associates (Engineer) that the City deems appropriate and necessary. No, specific items or services are expected.

## ADDENDUM TO EXHIBIT B Engineering Services

### **UNDERSTANDING**

K Friese + Associates, Inc. (KFA) will add additional design elements to develop Plans, Specifications, and Estimate (PS&E) suitable for bidding for the expansion of Greenlawn Boulevard from IH 35 to Louis Henna Blvd (SH 45). Expansion of the original PS&E scope to include a detention evaluation, prepare Conditional and post-construction Letters of Map Revision (CLOMR and LOMR), and provide accommodations for two (2) 4-in conduit and pull boxes for future fiber optic lines.

In addition, K Friese & Associates, Inc. (KFA) will extend the contract time through the end of design and include meetings throughout the remaining schedule.

KFA's understanding of the meeting needs consists of the following assumptions to complete the design.

- Monthly for the remaining time of the contract (estimated 8 meetings (6) months).

In addition to the drainage design, the City has asked KFA to include design of approximately 5,070 LF of two (2) four (4) inch conduits for future fiber.

### **SCOPE OF SERVICES**

#### TASK 1 – PROJECT MANAGEMENT

1. Project Management/Administration – This task includes routine communication with the City; managing sub-consultants, developers, workload, budgets, and schedules; invoicing; implementing and monitoring of QA/QC efforts; and other activities associated with managing the project. An additional 6 months has been added to the original project duration.
2. Project Meetings and Status Reports – KFA will attend regular status meetings with the City to review progress and upcoming work. We have budgeted for two (2) additional meetings for review and discussion of detention design and alternatives at Whittlesey Landscape Supplies. Time includes preparation of agendas and meeting minutes.

#### TASK 2 – FINAL DESIGN

1. Detention Analysis – KFA will analyze and provide detention alternatives. It is assumed the detention requirement is to reduce post-development flow rates to existing pre-development peak rates for the 2-, 10-, 25-, and 100-year storm events in accordance with the City of Round Rock's drainage specifications. The existing pre-development condition will be the present-day condition prior to Greenlawn Blvd widening and assuming the adjacent Whittlesey Landscaping Supplies developments are undeveloped, open space.
  - a. Detention analysis shall be summarized in a Technical Memorandum prior to development of plan sheets. The Technical Memorandum will provide a

ADDENDUM TO EXHIBIT B  
Engineering Services

brief narrative and table summaries of storage requirements, pre- and post-development flow rates, detention location alternatives, and descriptions and summaries of the HEC-HMS and HEC-RAS models used for the analysis. Detention location alternatives will be limited to open areas along the Greenlawn Blvd ROW and the Whittlesey Landscaping Supplies developments.

2. Additional Drainage Construction Plans – KFA will produce the following sheets (11" x 17" Full-Size) as appropriate for additional scope items. QA/QC is included in each sheet task. The project assumes milestones phases remaining for 90%, 100%, and Final (bid) stages.
  - a. DETENTION PLAN GRADING SHEET (1 Sheet)
  - b. DETENTION PLAN CROSS SECTION SHEETS (2 Sheets)
  - c. DETENTION PLAN DETAIL SHEETS (3 Sheets)
3. Conditional Letter of Map Revision (CLOMR) Application – Prepare and process a CLOMR through the Federal Emergency Management Agency (FEMA) for Gilleland Creek and Gilleland Creek Tributary 3 as needed. It is assumed the basis of the work will be a combination of the current FEMA effective model adopted for the design of the proposed Greenlawn Blvd bridge, hydraulic models used for the Whittlesey Landscaping LOMR, and hydraulic models developed for the proposed District development. The CLOMR will document the effects of the proposed Greenlawn Blvd bridge, proposed detention, and The District development on the floodplain and floodway. It is assumed the limits of the CLOMR will not exceed just upstream of I-35 at the current floodplain limits to Piccadilly Drive. The CLOMR application will be submitted to FEMA through FEMA's Mapping Information Platform. The completed CLOMR application and submittal scope includes the following.
  - a. FEMA Pre-application meeting
  - b. Hydraulic and Hydrologic modeling – included corrected effective, existing conditions, and proposed conditions. Hydrologic models completed in HEC-HMS
  - c. Project narrative
  - d. Floodway models – An assessment of WSEL rises, mitigation or property owner coordination.
  - e. MT-2 Application Forms 1 through 3.
  - f. Annotated FIRMs
  - g. Certified Topographic Work Map meeting the mapping requirements of MT-2 Form 2.
  - h. Floodway Data Tables
  - i. Floodway Notice
  - j. Floodplain Administrator submittal and comment resolution (Assumes 1 meeting)
  - k. FEMA submittal, comment resolution, and application fee (Assumes 3 meetings).
  - l. Property Owner Notification after technical comment resolution

ADDENDUM TO EXHIBIT B  
Engineering Services

4. Letter of Map Revision (LOMR) Application and Submittal— Prepare and process a LOMR through the Federal Emergency Management Agency (FEMA) for Gilleland Creek and Gilleland Creek Tributary 3 as needed. This CLOMR application and all associated forms will be revised and/or updated to reflect the as-built conditions. KFA will use the Contractor's final redline as-built drawings to document as-built conditions. The City or The District engineers or developers shall provide record drawings of any completed construction documented in the original CLOMR application related to The District. One comment resolution meeting and resubmittal is assumed. The LOMR applications will be submitted to FEMA through FEMA's Mapping Information Platform. It is assumed the accepted as-built condition will be in substantial compliance with the proposed plans and coordinated CLOMR application. The completed LOMR application includes the following items, updated to reflect as-built plan records.
  - a. FEMA Pre-application meeting
  - b. Hydraulic and Hydrologic modeling
  - c. Project narrative
  - d. Floodway models
  - e. MT-2 Application Forms 1 through 3.
  - f. Annotated FIRMs
  - g. Certified Topographic Work Map
  - h. Floodway Data Tables
  - i. Floodway Notice
  - j. Floodplain Administrator submittal and comment resolution (Assumes 1 meeting)
  - k. FEMA submittal, comment resolution, and application fee (Assumes 1 meetings).
  - l. Property Owner Notification
5. Additional design of approximately 5,070 LF of two (2) four (4) inch conduits for future fiber.
  - a. General Plans
    1. Quantity/Summary Sheets (1 Sheet)
      1. Roadway Quantities Summary
  - b. Roadway Plans & Geometry
    1. Typical Sections (5 Sheets) — Proposed typical sections
    2. Roadway Plan and Profile Sheets (5 Sheets)
  - c. Opinion of Probable Construction Cost — KFA will prepare and submit an engineer's opinion of probable construction cost in PDF format at the 90%, 100% and Final submittals to the City

**APPLICATION DELIVERABLES**

- PDF review copy of CLOMR/LOMR applications for review and signature, prior to submittal to FEMA.

ADDENDUM TO EXHIBIT B  
Engineering Services

- PDF and copy of all models and Spatially referenced Geographic Information System (FIS) data OR Computer Aided Design (CAD) data of final approved FEMA permits.
- 90% and 100% Plan Sets with Opinion of Probable Cost

**EXCLUSIONS**

- No additional survey is included in scope. TNRIS LiDAR will be used to represent any additional cross sections required for CLOMR/LOMR applications if no survey information is available.

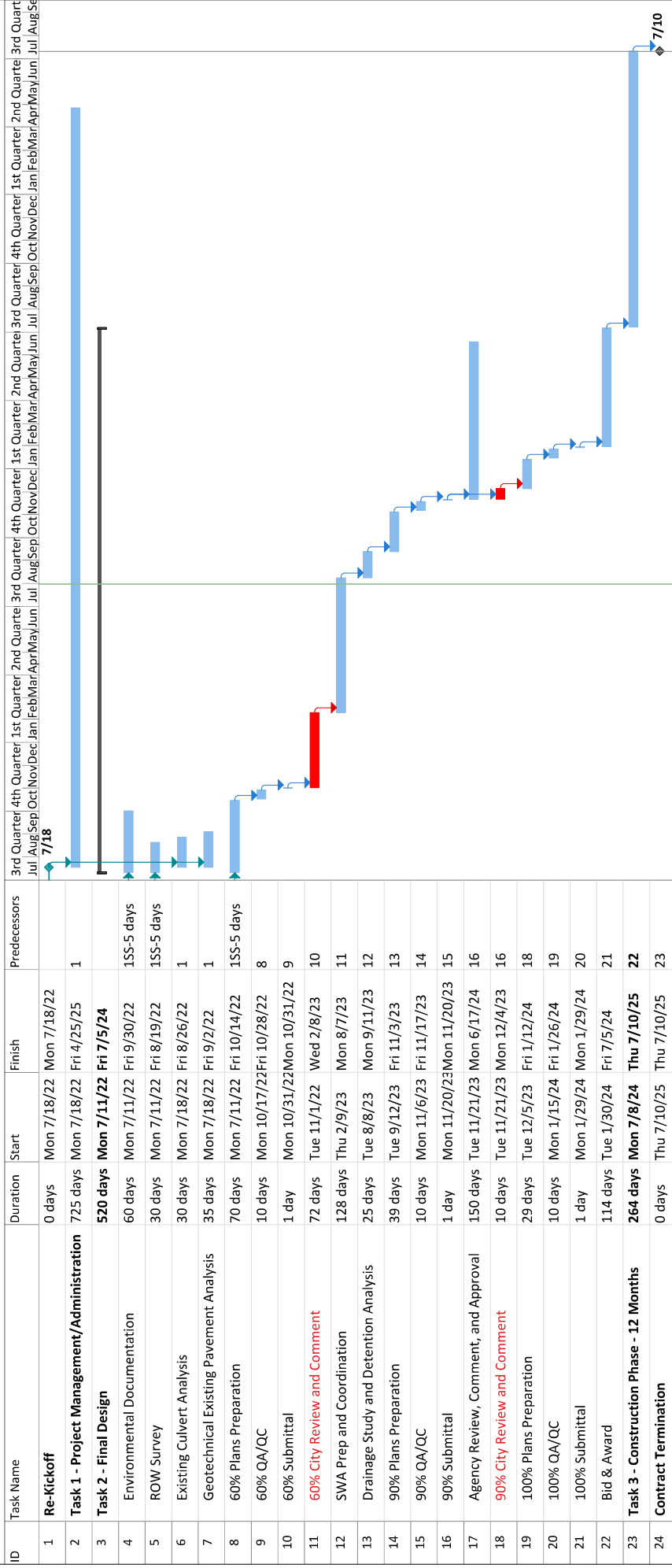


ADDENDUM TO EXHIBIT C  
Work Schedule

Attached Behind This Page



Greenlawn Blvd Widening  
IH 35 to Louis Henna Blvd (SH 45)  
Exhibit C  
Work Schedule



Date: Mon 7/31/23  
SWA #2

Task

Split

Milestone

Summary

Project Summary

External Tasks

External Milestone

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

Deadline

Progress

Manual Progress

ADDENDUM TO EXHIBIT D  
Fee Schedule

Attached Behind This Page



Greenlawn Blvd Widening  
IH 35 to Louis Henna Blvd (SH 45)  
EXHIBIT D  
FEE SCHEDULE



		Billing Rate \$ 250.00 \$ 250.00 \$ 250.00 \$ 215.00 \$ 185.00 \$ 105.00 \$ 105.00 \$ 105.00 \$ 90.00											
Task		Principal Hours	Sr Project Manager Hours	Senior Engineer Hours	Project Engineer Hours	EIT Hours	Sr. CADD Technician Hours	Project Administrator Hours	Total Labor Hours	Total Labor Cost	Sub-Consultant Cost	Expenses Cost	Total Cost
<b>Task 1 - Project Management</b>													
1	Project Management/Administration		20		14			8	42	\$8,310	\$0	\$0	\$8,310
2	Project Meetings & Status Reports (2 Meetings)		10	12	16				38	\$8,040	\$0	\$500	\$8,540
	<b>Subtotal Task 1</b>	0	30	12	30	0	0	8	80	\$16,350	\$0	\$500	\$16,850
<b>Task 2 - Final Design</b>													
1	Detention Analysis		2	12	20	16			50	\$8,460	\$0	\$0	\$8,460
a.	Technical Memorandum and Table Summaries		1	4	12	4			21	\$3,750	\$0	\$0	\$3,750
2	Construction Plans		2	2	8	20	4		36	\$4,930	\$0	\$0	\$4,930
a.	Detention Grading Plan Sheet		4	4	12	20	4		44	\$6,600	\$0	\$0	\$6,600
b.	Detention Plan Cross Section Sheets		4	4	12	16	8		44	\$6,600	\$0	\$0	\$6,600
c.	Detention Plan Detail Sheets		4	4	12	16	8		44	\$6,600	\$0	\$0	\$6,600
3	LOMR Application								0	\$0	\$0	\$0	\$0
a.	FEMA Pre-application meeting		4	8	6				18	\$3,830	\$0	\$0	\$3,830
b.	Hydraulic and Hydrologic modeling		10	32	28				70	\$14,560	\$0	\$0	\$14,560
c.	Project Narrative		4	16	8				28	\$5,920	\$0	\$0	\$5,920
d.	Floodway models		6	20	20				46	\$9,500	\$0	\$0	\$9,500
e.	MT-2 Applications		4	8					12	\$2,720	\$0	\$0	\$2,720
f.	Annotated FIRMs and Floodplain / Floodway mapping		2	16	8	20			46	\$7,520	\$0	\$0	\$7,520
g.	Certified Topographic Workmap		2	16	8	20			46	\$7,520	\$0	\$0	\$7,520
h.	Floodway Data Tables		2	4	4				10	\$2,100	\$0	\$0	\$2,100
i.	Floodway Notice		1	4	2				7	\$1,480	\$0	\$0	\$1,480
j.	FPA submittal, meeting, and comment resolution		12	16	16	20			64	\$11,500	\$0	\$0	\$11,500
k.	FEMA submittal, comment resolutions, and application fee		16	36	18	20			90	\$17,170	\$0	\$6,500	\$23,670
l.	Property Owner Notification		1	4	2				7	\$1,480	\$0	\$0	\$1,480
4	LOMR Application								0	\$0	\$0	\$0	\$0
a.	FEMA Pre-application meeting		2	4	3				9	\$1,915	\$0	\$0	\$1,915
b.	Hydraulic and Hydrologic modeling		5	16	14				35	\$7,280	\$0	\$0	\$7,280
c.	Project Narrative		2	8	4				14	\$2,960	\$0	\$0	\$2,960
d.	Floodway models		3	10	10				23	\$4,750	\$0	\$0	\$4,750
e.	MT-2 Applications		2	4					6	\$1,360	\$0	\$0	\$1,360
f.	Annotated FIRMs and Floodplain / Floodway mapping		1	8	4	10			23	\$3,760	\$0	\$0	\$3,760
g.	Certified Topographic Workmap		1	8	4	10			23	\$3,760	\$0	\$0	\$3,760
h.	Floodway Data Tables		1	2	2				5	\$1,050	\$0	\$0	\$1,050
i.	Floodway Notice		0.5	2	1				3.5	\$740	\$0	\$0	\$740
j.	FPA submittal, meeting, and comment resolution		6	8	8	10			32	\$5,750	\$0	\$0	\$5,750
k.	FEMA submittal, comment resolutions, and application fee		8	18	9	10			45	\$8,585	\$0	\$8,000	\$16,585
l.	Property Owner Notification		0.5	2	1				3.5	\$740	\$0	\$0	\$740
5	Additional Conduit Design								0	\$0	\$0	\$0	\$0
a.	General Plan Sheets		4	12		4			36	\$5,680	\$0	\$0	\$5,680
b.	Roadway and Geometry Plan Sheets		6	12	24	12			114	\$15,080	\$0	\$0	\$16,080
c.	Opinion of Probable Construction Costs		2	6	12				20	\$4,010	\$0	\$0	\$4,010
	<b>Subtotal Task 2</b>	0	125	330	292	168	160	0	1075	\$190,660	\$0	\$14,500	\$205,160
<b>Task 3 - Construction Phase</b>													
		0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
	<b>Subtotal Task 3</b>	0	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0
	<b>Project Totals</b>	0	155	342	322	168	160	8	1155	\$207,010.00	\$0.00	\$15,000.00	\$222,010.00