

WORK AUTHORIZATION NO. 6

PROJECT: Engineering Design Services for the Larkspur Park Blvd. Project

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated May 31, 2022 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and K.C. Engineering, 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 \$367,675.00.

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 March 31, 2026. 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. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this ____ day of _____, 20__.

ENGINEER:

K.C. Engineering, Inc.

By: 

(Signature)

Greg Haley, P.E.

Printed Name

President

Title

COUNTY:

Williamson County, Texas

By: _____

Signature

Steven Snell

Printed Name

County Judge

Title

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

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

Williamson County Road & Bridge Division personnel will provide:

- Project direction, review and oversight.
- Topographic and R.O.W. Surveys.
- Geotechnical Investigations; data and reports.
- ROW Documents, Drainage Reports, and Subdivision Plans.
- Conducting pre-bid meeting, responding to contractor questions during bidding, tabulating and evaluating bids after bid opening, and providing recommendation of award of contract.
- Construction oversight, administration and management.

Attachment B – Services to be Provided by Engineer

Services to be Provided by Engineer

Project Locations

1. Name of Roadway: Larkspur Park Blvd.

Task 1: Project Management

Attend Progress Review Meetings with County Road and Bridge Department at 50%, 90%, and Final. Prepare monthly progress reports and invoices. Maintain project schedule and perform QC/QA.

Task 2: Topographic Surveys and R.O.W. Surveys

To be provided by the County

Task 3: Preliminary Engineering

Conduct Site Visit and Field Reconnaissance to document existing conditions. Data collection including available as-builts. Develop conceptual geometric layout on scroll plot (1" = 20' H, 1" = 2' V) showing roadway horizontal and vertical geometry and proposed typical sections. Prepare preliminary cross sections (50' interval and driveways). Develop preliminary drainage analysis including delineation of drainage areas, calculation of peak stormwater runoff rates for 10-yr, 25-yr, 50-yr, and 100-yr for roadway culverts, 5-yr for storm sewer system, and 10-yr for sideroads and driveways.

Task 4: Geotechnical Investigations

To be provided by the County

Task 5: Environmental Studies

N/A

Task 6: Utility Coordination

To be provided by the County

Task 7: FEMA Coordination

N/A

Task 8: Final Engineering

Prepare final detailed design and PS&E for proposed improvements. Calculate ditch capacity and size driveway and cross culvert pipes and size storm sewer system.

Plan Sheets:

- Title Sheet
- Index of Sheets
- Estimate of Quantities Summary
- Project Layout

- Typical Sections
- Horizontal Alignment Data
- Roadway Drainage Area Map
- Ditch Drainage Area Map
- Storm Sewer Drainage Areas
- Ditch Drainage Areas
- Storm Sewer Plan and Profile
- Cross Section at Culvert Sites
- H & H Summaries
- Miscellaneous Drainage Details
- Existing Conditions and Removal Plan
- Erosion Control Plan
- Sequence of Construction
- Traffic Control Plan
- Driveway Details
- Driveway Summary
- Intersection Layouts
- Roadway Plan and Profile
- Miscellaneous Roadway Details
- Signs & Pavement Markings
- Small Sign Summary
- SW3P
- Cross Sections (50' Interval and Driveways)
- Standards

Specifications

Cost Estimate

General Notes

Task 9: Bidding Phase Services

Prepare Bid Tabs for processing by Purchasing Department

Task 10: Construction Phase Services

Review shop drawings and respond to contractor RFIs. Prepare electronic as-built final drawings for the County based on construction red-lines provided by the County.

Deliverables:

50% Submittal:

- PDFs of 11" x 17" Plan Sheets
- Specifications
- Estimate of Construction Cost
- General Notes
- Engineer's Internal QA/QC marked up set

90% Submittal

- PDFs of 11" x 17" Plan Sheets
- Specifications
- Estimate of Construction Cost
- General Notes

100% Submittal

- PDFs of 11" x 17" Plan Sheets
- Specifications
- Estimate of Construction Cost
- General Notes
- Electronic copy of submittal documents in PDF format

ATTACHMENT C
WORK SCHEDULE
WORK AUTHORIZATION NO. 6

Task No.	Task Name	Duration	Time	Start	Finish
1	WA #6 - Notice to Proceed	0	Days	5/14/2025	5/14/2025
2	Survey (by others)	0	Days	5/14/2025	5/14/2025
3	Design	60	Days	5/14/2025	7/13/2025
4	50% PS&E	5	Days	7/13/2025	7/18/2025
5	QA/QC	2	Days	7/18/2025	7/20/2025
6	Submit 50% PS&E	0	Days	7/20/2025	7/20/2025
7	County Review	5	Days	7/20/2025	7/25/2025
8	90% PS&E	45	Days	7/25/2025	9/8/2025
9	QA/QC	2	Days	9/8/2025	9/10/2025
10	Submit 90% PS&E	0	Days	9/10/2025	9/10/2025
11	County Review	5	Days	9/10/2025	9/15/2025
12	Final PS&E	5	Days	9/15/2025	9/20/2025
13	Address 90% comments	2	Days	9/20/2025	9/22/2025
14	Final Quantities	1	Days	9/22/2025	9/23/2025
15	Final Estimate	2	Days	9/23/2025	9/25/2025
16	Assemble Final PS&E	2	Days	9/25/2025	9/27/2025
17	Submit Final PS&E	0	Days	9/27/2025	9/27/2025
18	County Review	5	Days	9/27/2025	10/2/2025
19	Submit Signed and Sealed PS&E	0	Days	10/2/2025	10/2/2025
20	Bid Advertisement	35	Days	10/2/2025	11/6/2025
21	Letting	1	Days	11/6/2025	11/7/2025
22	Award and Bonds	30	Days	11/7/2025	12/7/2025
23	Construction	60	Days	12/7/2025	2/5/2026
24	Complete Project	2	Days	2/5/2026	2/7/2026

**ATTACHMENT D - FEE SCHEDULE
WORK AUTHORIZATION NO. 6
LARKSPUR PARK BLVD**

K.C. ENGINEERING, INC.											
TASK NO.	TASK DESCRIPTION	PRINCIPAL ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	ENGINEER-IN-TRAINING	ENGINEERING ASSISTANT	CAD TECHNICIAN	CLERICAL	TOTAL
	Labor Rates	250.00	215.00	200.00	195.00	165.00	125.00	110.00	95.00	80.00	
1	PS&E Development										
1.1	Roadway Design										
1.1.1	Establish Horizontal Alignment	1			8	24					\$ 5,770.00
1.1.2	Establish Vertical Alignment	1			6	16					\$ 4,060.00
1.1.3	Site Visits				2	2					\$ 720.00
1.1.4	Alignment & Superelevation Table				2	4	2				\$ 1,300.00
1.1.5	Roadway Cross Sections	1			8	24	20				\$ 8,270.00
1.1.6	Earthwork Calculations	1			6	8	12				\$ 4,240.00
1.1.7	Roadway Plan Profile Sheets	1			16	80	40				\$ 21,570.00
1.1.8	Driveway Profiles / Details / Summaries				2	8	12				\$ 3,210.00
1.1.9	Side Road Profiles / Details / Summaries				2	12	16				\$ 4,370.00
1.1.10	Miscellaneous Roadway Details				2	8	4				\$ 2,210.00
1.1.11	Alignment Data				2	6	2				\$ 1,630.00
1.1.12	Sequence of Construction	1			24	32	24				\$ 13,210.00
1.1.13	Intersection Layouts	1			12	32	12				\$ 9,370.00
1.1.14	Project Layout	1			2	12	16				\$ 4,620.00
1.1.15	Title Sheet	1			1	2	6				\$ 1,525.00
1.1.16	Survey Data				2	8					\$ 1,710.00
1.1.17	Roadway Typical Sections	1			4	12	12				\$ 4,510.00
1.1.18	Index of Sheets				1	2	2				\$ 775.00
1.1.19	Summary of Roadway Quantities	1			4	16	8				\$ 4,670.00
1.1.20	Construction Estimate	1			4	12	4				\$ 3,510.00
1.1.21	Assemble Applicable Standards				1	2	2				\$ 775.00
	Task 2.1 Total	12	0	0	111	322	194	0	0	0	\$ 102,025.00
1.2	Hydrology & Hydraulics										
1.2.1	Drainage Area Mapping (Roadway & Driveway)	1			8	40	24				\$ 11,410.00
1.2.2	Roadway Hydrology	1			8	60	24				\$ 14,710.00
1.2.3	Roadway Hydraulics	1			8	40	12				\$ 9,910.00
1.2.4	Roadway Culvert Sizing	1			8	16	6				\$ 5,200.00
1.2.5	Roadway H&H Summary Sheet & Tables	1			1	8	6				\$ 2,515.00
1.2.6	Driveway Hydrology	1			4	16	12				\$ 5,170.00
1.2.7	Driveway Hydraulics	1			2	8	10				\$ 3,210.00
1.2.8	Driveway Culvert Sizing	1			2	12	8				\$ 3,620.00
1.2.9	Driveway H&H Summary Sheet & Tables	1			2	6	8				\$ 2,630.00
1.2.10	Storm Sewer Hydrology	1			8	40	20				\$ 10,910.00
1.2.11	Storm Sewer Hydraulics	1			8	32	24				\$ 10,090.00
1.2.12	Storm Sewer Inlet Sizing	1			8	36	24				\$ 10,750.00
1.2.13	Storm Sewer Trunk Line Sizing	1			8	24	16				\$ 7,770.00
1.2.14	Storm Sewer Plan & Profile	1			8	40	24				\$ 11,410.00
1.2.15	Storm Sewer H&H Summary Sheet & Tables	1			4	8	16				\$ 4,350.00
1.2.16	Culvert Layouts & Culvert Details	1			4	24	16				\$ 6,990.00
1.2.17	Miscellaneous Drainage Details				4	16	24				\$ 6,420.00
1.2.18	Summary of Drainage Quantities				2	8	14				\$ 3,460.00
1.2.19	Assemble Applicable Standards				1	4	2				\$ 1,105.00
	Task 2.2 Total	16	0	0	98	438	290	0	0	0	\$ 131,630.00
1.3	Signing & Pavement Marking										
1.3.1	Sign Layouts	1			4	12	8				\$ 4,010.00
1.3.2	Pavement Marking Layouts	1			8	24	8				\$ 6,770.00
1.3.3	Pavement Marking Details	1			1	6	4				\$ 1,935.00
1.3.4	Summary of Pavement Markings	1			1	4	4				\$ 1,605.00
1.3.5	Small Sign Summary	1			1	6	4				\$ 1,935.00
1.3.6	Assemble Applicable Standards				1	2	2				\$ 775.00
	Task 2.3 Total	5	0	0	16	54	30	0	0	0	\$ 17,030.00
1.4	Traffic Control Plans / SW3P										
1.4.1	Traffic Control Layouts	1			24	48	12				\$ 14,350.00
1.4.2	Traffic Control Typical Sections	1			4	8	12				\$ 3,850.00

**ATTACHMENT D - FEE SCHEDULE
WORK AUTHORIZATION NO. 6
LARKSPUR PARK BLVD**

K.C. ENGINEERING, INC.											
TASK NO.	TASK DESCRIPTION	PRINCIPAL ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	ENGINEER-IN-TRAINING	ENGINEERING ASSISTANT	CAD TECHNICIAN	CLERICAL	TOTAL
	Labor Rates	250.00	215.00	200.00	195.00	165.00	125.00	110.00	95.00	80.00	
1.4.3	Intersection Design	1			2	16	6				\$ 4,030.00
1.4.4	Driveway Design	1			4	24	16				\$ 6,990.00
1.4.5	Storm Water Pollution Prevention Plan (SW3P)	1			2	6	2				\$ 1,880.00
1.4.7	Erosion Control Plan	1			2	40	32				\$ 11,240.00
1.4.8	Miscellaneous TCP and Erosion Details	1			1	4	2				\$ 1,355.00
1.4.9	Assemble Applicable Standards				1	1	2				\$ 610.00
	Task 2.4 Total	7	0	0	40	147	84	0	0	0	\$ 44,305.00
1.5	PS&E Documents										
1.5.1	Summary of Quantities	1			2	16	12				\$ 4,780.00
1.5.2	Basis of Estimate	1			2	8	2				\$ 2,210.00
1.5.3	Construction Cost Estimate	1			4	16	8				\$ 4,670.00
1.5.4	Construction Duration Estimate	1			4	6	2				\$ 2,270.00
1.5.5	General Notes & Specifications	1			4	8	2				\$ 2,600.00
1.5.6	Supporting Contract Documentation	1			4	8	2				\$ 2,600.00
	Task 2.5 Total	6	0	0	20	62	28	0	0	0	\$ 19,130.00
1.6	Project Management										
1.6.1	Project Administration	40			10					14	\$ 13,070.00
1.6.2	Maintain Project Records	10			40					6	\$ 10,780.00
1.6.3	Periodic Progress Meetings (County)	2			24						\$ 5,180.00
1.6.4	Periodic Progress Meetings (Subconsultants)										\$ -
1.6.5	QA/QC	8			16	24	8			4	\$ 10,400.00
1.6.6	Invoice Preparation	6								12	\$ 2,460.00
1.6.7	Progress Reports	6								12	\$ 2,460.00
1.6.8	Plans Preparation for Submittal	8			12	16	8			8	\$ 8,620.00
	Task 2.6 Total	80	0	0	102	40	16	0	0	56	\$ 52,970.00
	Task 1 - PS&E Total	126	0	0	387	1063	642	0	0	56	\$ 367,090.00
2	Project Bidding										
2.1	Project Bidding										
2.1.1	Prepare Addenda										\$ -
2.1.2	Contractor Questions (RFI)				1						\$ 195.00
2.1.3	Attend Pre-Bid Conference				1						\$ 195.00
2.1.4	Tabulate Bids				1						\$ 195.00
2.1.5	Prepare Recommendation Letter										\$ -
	Task 2 Project Bidding Total	0	0	0	3	0	0	0	0	0	\$ 585.00
3	Construction Support										
3.1	Construction Support (If Required)										
3.1.1	Preconstruction Meeting										\$ -
3.1.2	Review Shop Drawings										\$ -
3.1.3	General Construction Support										\$ -
3.1.4	Prepare Change Orders as Necessary										\$ -
	Task 3 Construction Support Total	0	0	0	0	0	0	0	0	0	\$ -
	Total Tasks 1, 2, & 3	126	0	0	390	1063	642	0	0	56	\$ 367,675.00