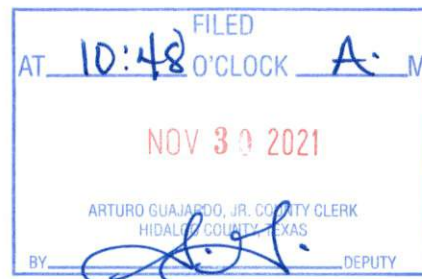




**EXHIBIT "E"**  
**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Agreement # C-21-0446-04-27**



**WORK AUTHORIZATION NO. 1**

**THIS WORK AUTHORIZATION** is made pursuant to the terms and conditions of the **Professional Engineering Services Agreement No. C-21-0446-04-27**, incorporated herein by reference, for the "On-Call Professional engineering Services for Traffic & Safety Studies" made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and KCI Technologies, Inc., hereinafter called "**Engineer**".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the Engineer to provide **Traffic and Safety Studies in support of the submission of thirteen (13) project locations within Precinct 3.**

The **Engineer** is to provide the scope of Services as required by the Agreement with Owner.

The scope of services to be provided by the **Engineer** is identified in **Attachment "A" – "EXHIBIT "C" – Project Specific Scope of Services to be provided by Engineer"** attached hereto and incorporated by reference.

**PART 2. ESTIMATED COST**

The estimated cost for services under this Work Authorization is **\$52,000**. (See **Attachment "B" – Cost Proposal**). This amount is based upon the costs outlined in the **Attachment "C" – "EXHIBIT "D" – Contract Rates"** attached hereto and incorporated by reference.

**PART 3. PAYMENT**

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the **Professional Engineering Services Agreement No. C-21-0446-04-27** between the **Owner** and the **Engineer**.

**PART 4. FUNDING**

This Work Authorization No. 1 shall be funded through funding source:

Account No. 1-1200-431-00-123-005-0-334

Requisition Number \_\_\_\_\_ (MUST BE INCLUDED AFTER CC APPROVAL)

**PART 5. PERIOD OF SERVICE**

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate **upon completion of the scopes of the Work Authorization, within the limits of Agreement No. C-21-0446-04-27, provided in this Work Authorization.** *If applicable*: Engineer shall conform to the approved "Work/Project Schedule", attached hereto and incorporated by reference herein as **Attachment "D"**.

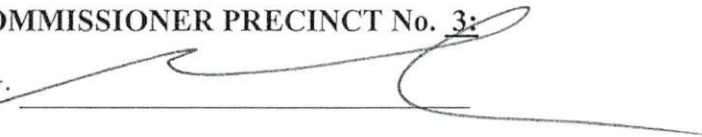
**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement No. C-21-0446-04-27.

**PART 7. ACKNOWLEDGEMENT AND CONFIRMATION**

Acknowledgement and confirmation by Hidalgo County Precinct No. 3 Commissioner Everardo "Ever" Villarreal, as to content and detail of this Work Authorization No. 1.


**HIDALGO COUNTY  
COMMISSIONER PRECINCT No. 3:**

BY: 

**PART 8. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted and approved by the Hidalgo County Commissioners Court on November 16, 2021, and effective as of the same date.

**THE ENGINEER:  
KCI Technologies, Inc.**

  
By: Oscar A. Garza

**THE OWNER:  
HIDALGO COUNTY**

  
By: Richard F. Cortez, County Judge

**ATTEST:**

  
By: Arturo Guajardo, County Clerk



APPROVED BY  
COMMISSIONERS COURT  
ON: 11/16/21

**LIST OF ATTACHMENTS:**

- Attachment "A" – EXHIBIT "C" – Project Specific Scope of Services to be provided by Engineer
- Attachment "B" – Cost Proposal
- Attachment "C" – EXHIBIT "D" – Contract Rates
- Attachment "D" – Approved Work/Project Schedule

**ATTACHMENT A**  
**SERVICES TO BE PROVIDED BY THE ENGINEER**

TRAFFIC & SAFETY STUDIES

1. Traffic data mining of Hidalgo County facilities
2. Identify thirteen (13) projects for consideration of applicable programs. Locations to be determined by Hidalgo County PCT 3. Possible project locations include:
  - a. Iowa Road at Mile 3
  - b. Iowa Road at Mile 4
  - c. Iowa Road at Mile 5
  - d. Western Road at Mile 5
  - e. Western Road at Mile 4
  - f. Breyfogle Road at Mile 3
  - g. Texan Road at Mile 5
  - h. Brushline Road at Mile 5
  - i. Mile 6 at FM 492
  - j. Minnesota Road at Mile 2
  - k. Abram Road at Mile 7
  - l. Trosper Road at Mile 3
  - m. Bentsen Palm Drive – Mile 3 to Mile 4
  - n. Bentsen Palm Drive – Mile 4 to Mile 5
  - o. Bentsen Palm Drive – Mile 5 to Mile 6
  - p. Bentsen Palm Drive – Mile 6 to Mile 7
  - q. Moorefield Road – Mile 3 to Mile 4
  - r. Moorefield Road – Mile 4 to Mile 5
  - s. Moorefield Road – Mile 5 to Mile 6
  - t. Moorefield Road – Mile 6 to Mile 7
3. Support the submission of the thirteen (13) projects for consideration of funding via applicable programs. Submission packages to include:
  - a. Existing and Proposed Safety Performance Measures
  - b. Preliminary Proposed Layout
  - c. Preliminary Construction Cost Estimate

**ATTACHMENT B  
COST PROPOSAL**

<b>COST PROPOSAL BREAKDOWN</b>	
Task Description	Project Engineer (\$125/hr)
Task 1 – (SEE ATTACHMENT A)	150
Task 2 (SEE ATTACHMENT A)	150
Task 3 (SEE ATTACHMENT A)	116
<b>Hours Total</b>	<b>416</b>
<b>Total Lump Sum Fee Based on Percent Complete</b>	<b>\$ 52,000.00</b>

**NOTE: Project costs will be incurred equally across all thirteen (13) projects submitted for consideration of applicable programs. I.E. Each Project will incur 150/13 Project Engineer hours for Task 1, 150/13 Project Engineer hours for Task 2, and 116/13 Project Engineer Hours for Task 3.**

Attachment "C"

<b>Exhibit D – Contract Rate Schedule</b>			
<b>SPECIFIED RATE AND LUMP SUM PAYMENT BASIS</b>			
<b>PRIME PROVIDER NAME: KCI Technologies, Inc.</b>			
<b>Direct Labor</b>			
<b>Labor/Staff Classification</b>	<b>Yrs Exp</b>	<b>Base Rate (\$/HR)</b>	<b>Loaded Rate (\$/HR)</b>
Project Manager	10 to 20	73.21	206.97
Deputy Project Manager	10 to 20	66.29	187.39
Senior Technical Advisor	10 to 20	69.26	195.78
Senior Engineer	15+	71.23	201.37
Senior Structural Engineer	15+	65.30	184.59
Structural Engineer	5 to 15	53.06	150.00
Project Engineer	10 to 15	44.22	125.00
Design Engineer	5 to 10	38.91	110.00
Engineer-In-Training	1 to 5	35.37	100.00
Senior Engineer Tech	15+	31.84	90.00
Engineer Tech	5 to 15	28.30	80.00
Junior Engineer Tech	1 to 5	26.22	74.12
Senior CADD Operator	15+	28.30	80.00
CADD Operator	5 to 15	26.53	75.00
Junior CADD Operator	1 to 5	26.53	75.00
Admin/Clerical		21.22	60.00
Support Manager	15+	70.75	200.00
Senior Engineer (Utilities)	10 to 15	70.75	200.00
Engineer (Utilities)	5 to 10	53.06	150.00
Utility Coordinator	5 to 10	44.22	125.00
Utility Coordinator Senior	10 to 15	53.06	150.00
SUE Field Manager		44.22	125.00
SUE Manager		53.06	150.00
<b>Office Overhead Rate: 156.99%</b>			
<b>Profit Rate: 10.00%</b>			

Contract rates include labor, overhead, and profit.

**ATTACHMENT D  
WORK SCHEDULE**

Task Description	Begin Date	End Date	Total Calendar Days	Nov 2021	Dec 2021	Cumulative Completion of WA at Task End Date
Task 1	11/16/2021	11/30/2021	14			36%
Task 2	12/1/2021	12/15/2021	14			72%
Task 3	12/16/2021	12/30/2021	14			100%
Project Closeout	12/31/2021	12/31/2021	1			

- Traffic & Safety Studies - Task 1 (SEE ATTACHMENT A)
- Traffic & Safety Studies - Task 2 (SEE ATTACHMENT A)
- Traffic & Safety Studies - Task 3 (SEE ATTACHMENT A)