



IEA, Inc.
13501 Katy Fwy, Suite 3425
Houston, Texas 77079
832-888-4989
Fax: 844-888-4989

June 9, 2026

Mr. Wael Tabara, P.E.
Assistant County Engineer
Brazoria County Engineering
451 N. Velasco, Suite 230
Angleton, Texas 77515

**Subject: Proposal for CEI Support Services
CR 179 Bridge Repair**

Dear Mr. Tabara:

IEA Inc. (IEA) is pleased to submit this proposal to provide CEI Support Services for CR 179 Bridge Repair.

SCOPE OF SERVICES can be found in Exhibit A.

SUMMARY OF FEE SCHEDULE can be found in Exhibit B.

FEE SCHEDULE – Construction Engineering and Inspection - IEA can be found in Exhibit B.

FEE SCHEDULE – Construction Materials Testing - B2Z can be found in Exhibit B.

The Scope and FEE for CEI Support Services includes Construction Phase Services fee included in the original contract.

We appreciate and look forward to the opportunity to work with you again. Should you have any questions or require additional information, please do not hesitate to contact me at (832) 494-3800.

Sincerely,

A handwritten signature in blue ink that reads "Dennis A. Johnson".

Dennis Johnson, P.E.
Senior Bridge Engineer

A handwritten signature in blue ink that reads "Wilson Wong".

Wilson Wong, P.E.
Houston Office Director

EXHIBIT A

CEI Support Services

BASIC SERVICES (Time and Materials)

The scope of services for the Brazoria CR 179 Bridge Repair - Construction Engineering & Inspection (CEI) Support Services will generally consist of periodic review of construction operations and to provide the County support for construction administration, construction observation, construction documentation, and periodic review of materials testing services performed by our subconsultant, related to the construction of the CR 179 Bridge Repair Project located in Brazoria County, Texas at the Gulf Coast Water Authority (GCWA) Canal.

IEA, Inc. shall assist the County throughout all aspects and phases of construction operations and shall, when requested by the County, fully support the County in its dealings with the Construction Contractor, suppliers, subcontractors, other consultants, government entities, utilities, property owners, and the public.

IEA's observation or monitoring portions of the work performed under construction contracts or other professional services contracts shall not relieve those contractor(s) from responsibility for performing work in accordance with applicable contract documents.

As a representative of the County, when necessary, IEA shall notify the County and the Construction Contractor of the Construction Contractor's failure to comply with the requirements of the construction contract documents. IEA is obligated to notify the County and Construction Contractor of compliance issues. IEA does not have the authority to direct the Construction Contractor's operations.

1. Construction Management & Support

- a. Provide construction management related engineering support to the County Engineer or his delegate.
- b. Review the plans and specifications in advance of the various work operations to be familiar with the project requirements.
- c. Attend and participate in a pre-construction conference.
- d. Attend and participate in meetings with the Construction Contractor.
- e. Attend and participate in meetings with the County.
- f. Attend and participate in other meetings as requested.
- g. Assist the County with preparation of materials for meetings.
- h. Periodically monitor Construction Contractor's operations for performance of work, adequacy of resources, investigation of issues, conflicts with utilities, and unforeseen jobsite conditions.
- i. Assist the County with identification and evaluation of potential solutions to resolve issues on the project.
- j. Assist the County with evaluation and resolution of claims received during the period of service; and
- k. The Contractor will coordinate issues with the County Engineer or his delegate

2. Construction Administration Support

- a. Provide pre-construction engineering services to include:
 - i. assistance for review of contractor pre-construction submittals for contract documents compliance; and
 - ii. assistance for review of proposed construction plan including project schedules, proposed construction methods and materials.
- b. Assist with preparation of technical information for change orders as required, including reviewing pricing and quantities in change orders and negotiation of change order request(s) as required to obtain change order pricing acceptable to the County.
- c. Review Construction Contractor's monthly progress payment/pay estimate prepared by others prior to submittal to County for payment.
- d. Review and provide recommendations to County on requests for substantial and final completion.
- e. Provide the County assistance during the closeout process.

3. Construction Oversight & Reporting

- a. Provide periodic onsite construction oversight during the construction process to observe general quality of the Work completed by the Construction Contractor.
- b. Provide periodic review of Construction Contractor progress and compliance with the project schedule.
- c. Provide periodic review of Construction Contractor traffic control plan (TCP) implementation and effectiveness of TCP.
- d. Provide periodic review of Construction Contractor QC activities.
- e. Provide field observation of work performed by the Construction Contractor.
- f. Provide daily progress reporting and maintain a project diary.
- g. Assist in review and/or processing of Construction Contractor submittals.
- h. Assist in interpreting plans and specifications and in responding to Construction Contractor's requests for information.
- i. Notify the County and the Construction Contractor when work is not compliant with contract documents.

4. Materials Testing Oversight

- a. Periodically review adequacy of materials testing frequency performed by Subconsultant, B2Z Engineering.
- b. Periodically review materials test results from tests performed by Subconsultant, B2Z Engineering.
- c. Recommend acceptance or rejection of materials.

EXHIBIT B - FEE SCHEDULE
(Specified Rates)

PRIME PROVIDER NAME: IEA, INC.
PROJECT NAME: CR 179 REPAIRS

SUMMARY OF FEE SCHEDULE			
	IEA, INC.	B2Z ENGINEERING	TOTAL
CONSTRUCTION ENGINEERING AND INSPECTION	\$23,651.00		\$23,651.00
MATERIALS TESTING		\$6,755.36	\$6,755.36
TOTAL	\$23,651.00	\$6,755.36	\$30,406.36

TASK DESCRIPTION	SENIOR PROJECT MANAGER	SENIOR ENGINEER	EIT	RESIDENT CONSTRUCTION MANAGER	CONSTR. INSPECTOR	DOCUMENT CONTROLS	TOTAL LABOR HRS. & COSTS
CONSTRUCTION ENGINEERING (FC 351) - T&M							
ATTEND PRE-BID/PRE-CONSTRUCTION MEETING	4						
ATTEND FIELD MEETINGS/CONDUCT SITE VISITS		4					
CALCULATE QUANTITIES AND ASSIST IN PREPARING CHANGE ORDERS		4	4				
REVIEW AND PROCESS SHOP DRAWINGS/SUBMITTALS		2	4				
RECEIVE, PROCESS, TRACK, AND RESPOND TO RFI'S		2	4				
I. CONSTRUCTION MANAGEMENT & SUPPORT				5		5	10
II. CONSTRUCTION ADMINISTRATION SUPPORT		4		5		5	14
III. CONSTRUCTION OVERSIGHT & REPORTING				5	80	5	90
IV. MATERIALS TESTING OVERSIGHT				5		5	10
HOURS SUB-TOTALS	4	16	12	20	80	20	124
CONTRACT RATE PER HOUR	240	210	123	\$ 200.00	\$ 116.00	\$ 105.00	
TOTAL LABOR COSTS	\$ 960.00	\$ 3,360.00	\$ 1,476.00	\$ 4,000.00	\$ 9,280.00	\$ 2,100.00	\$ 21,176.00
LABOR SUBTOTAL							\$ 21,176.00

DIRECT EXPENSES	QUANTITY	UNIT	RATE				TOTAL
CONSTRUCTION TRUCK (PROVIDE, OPERATE, AND MAINTAIN)(>2WK, up to 1 mo.)	1	MO	\$ 1,650.00				\$ 1,650.00
CONSTRUCTION TRUCK (PROVIDE, OPERATE, AND MAINTAIN)(<5 days)	5	DAY	\$ 165.00				\$ 825.00
SUBTOTAL DIRECT EXPENSES							\$ 2,475.00

SUMMARY CONSTRUCTION ENGINEERING	SENIOR PROJECT MANAGER	SENIOR ENGINEER	PROJECT MANAGER	RESIDENT CONSTRUCTION MANAGER	CONSTR. INSPECTOR	DOCUMENT CONTROLS	TOTAL LABOR HRS. & COSTS
CONSTRUCTION ENGINEERING - T&M							
TOTAL LABOR (HOURS & COST)	4	16	12	20	80	20	\$ 21,176.00
TOTAL DIRECT EXPENSES							\$ 2,475.00
TOTAL FEE						<i>Total</i>	\$ 23,651.00

Basis of Engineering & Inspection Level of Effort

1. Maximum Construction Engineering Duration - 4 weeks including close-out activities.
2. Fee is based on maximum of 4 weeks construction engineering effort and overall IEA fee cap of \$24k or less
3. Fee is based on activities and job functions as described in accompanying scope.

EXHIBIT B
ESTIMATED MAN-HOURS AND TEST BREAKDOWN

IEA
Brazoria County CR179 Bridge Repairs
Construction Materials Testing

Embankment

- Sampling and laboratory testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Misc.) to determine compliance of these materials with project plans and specifications.
- Field density testing of soils and base materials to ensure proposer compaction as required by project plans and specifications.

	Test	Guide Specs	Additional Assumptions	Unit	Qty.	Contract Rate	Total
Atterberg Limits of Soils	ASTM D-4318/Tex-106E	One Per Phase		Each	0	\$135.00	\$0.00
Moisture/Density	ASTM D698/Tex-114-E	One Per Phase		Each	1	\$225.00	\$225.00
Lime Series Determination	ASTM D6276/Tex-121 PART III	One Per Phase		Each	0	\$400.00	\$0.00
In-Place Density	ASTM D6938/Tex-115-E	Every 1,000 Square Yard	Assuming 3 FD per trip	Each	6	\$28.00	\$168.00
Reports			LD, PI, MD & FD	Each	3	\$25.00	\$75.00
Tech Time (Soils)			LD, PI, MD & FD	Hour	14	\$100.63	\$1,408.82
# of Trips (Tech)				Each	3	\$100.00	\$300.00
**Admin/Clerical				Hour	3	\$79.81	\$239.43
Item Subtotal							\$2,416.25

Flex Base Roadway

- Sampling and laboratory testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Misc.) to determine compliance of these materials with project plans and specifications.
- Field density testing of soils and base materials to ensure proposer compaction as required by project plans and specifications.

	Test	Guide Specs	Additional Assumptions	Unit	Qty.	Contract Rate	Total
Atterberg Limits of Soils	ASTM D-4318/Tex-106E	One Per Phase		Each	0	\$135.00	\$0.00
Moisture/Density	ASTM D1557/Tex-113-E	One Per Phase		Each	1	\$225.00	\$225.00
In-Place Density	ASTM D6938/Tex-115-E	Every 1,000 Square Yard	Assuming 3 FD per trip	Each	3	\$28.00	\$84.00
Reports			PI, MD & FD	Each	2	\$25.00	\$50.00
Tech Time (Soils)			PI, MD & FD	Hour	11	\$100.63	\$1,106.93
# of Trips (Tech)				Each	2	\$100.00	\$200.00
**Admin/Clerical				Hour	2	\$79.81	\$159.62
Item Subtotal							\$1,825.55

Utility Final Backfill Material 12" Lifts

- Sampling and laboratory testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Misc.) to determine compliance of these materials with project plans and specifications.
- Field density testing of soils and base materials to ensure proposer compaction as required by project plans and specifications.

	Test	Guide Spec	Additional Assumptions	Unit	Qty.	Contract Rate	Total
Atterberg Limits of Soils	ASTM D-4318/Tex-106E	One Per Phase		Each	0	\$135.00	\$0.00
Moisture/Density	ASTM D698/Tex-114-E	One Per Phase	1 Assume Material Changes	Each	0	\$225.00	\$0.00
In-Place Density	ASTM D6938/Tex-115-E		Assuming 3 FD per trip	Each	0	\$28.00	\$0.00
Test Reports			MD, PI & FD	Each	0	\$25.00	\$0.00
Tech Time (Soils)			MD, PI & FD	Hour	0	\$100.63	\$0.00
# of Trips (Tech)				Each	0	\$100.00	\$0.00
**Admin/Clerical				Hour	0	\$79.81	\$0.00
Item Subtotal							\$0.00

Asphalt Concrete Pavement

- Field compaction testing of asphalt to ensure proper compaction during lay down operations.
- Field sampling and laboratory testing of asphalt materials to determine their material properties and their compliance with project plans and specifications.

	Test	Guide Spec	Additional Assumptions	Unit	Qty.	Contract Rate	Total
Roadway							
Sieve Analysis				Each	1	\$95.00	\$95.00
Asphalt Content				Each	1	\$95.00	\$95.00
Pavement Thickness	ASTM D3549	Every 1500 SY	1 core per location	Each	0	\$65.00	\$0.00
Rolling Pattern	Tex-207-F Part IV			Each	1	\$45.00	\$45.00
Reports				Each	1	\$25.00	\$25.00
Tech Time (Asph)		Every 1500 SY		Hour	3	\$100.63	\$301.89
# of Trips (Tech)				Each	1	\$100.00	\$100.00
**Admin/Clerical				Hour	1	\$79.81	\$79.81
Item Subtotal							\$741.70

Hydraulic Cement Concrete

- Field sampling and testing of fresh concrete and laboratory testing of hardened concrete to determine compliance with project plans and specifications.
- Concrete batching as well as the asphalt testing at the plants to insure delivery of acceptable material to the job site (as required).

	Test	Guide Specs	Additional Assumptions	Unit	Qty.	Contract Rate	Total
Concrete							
Strength	ASTM C 39/C192	Every 1500 LF	1 Set=4 Cyl	Each	4	\$30.00	\$120.00
Reports				Each	2	\$25.00	\$50.00
Tech Time (Conc)				Hour	4	\$100.63	\$402.52
# of Trips (Tech)				Each	2	\$100.00	\$200.00
**Admin/Clerical				Hour	2	\$79.81	\$159.62
Item Subtotal							\$932.14

Summary

Sub-Total (CMT Items) =	\$5,915.64
Sr. Engineering Tech (4 hrs x 131.86/hr):	\$527.44
Project Engineering (2 hrs x 156.14/hr):	\$312.28

** Project Administrative Fee is assessed on a per invoice basis and involves engineering review, evaluation, management and administration

Constuction Materials Testing Total : \$6,755.36