

**CAMINO REAL REGIONAL MOBILITY AUTHORITY
BOARD RESOLUTION**

WHEREAS, the Camino Real Regional Mobility Authority (CRRMA) and El Paso County (County) have partnered to complete the design and construction of the Homestead Meadows Shared Use Path (Project); and

WHEREAS, the CRRMA engaged HNTB Corporation (HNTB) to provide certain design oversight and letting services for the Project through the execution of a work authorization; and

WHEREAS, the Project has advanced to the construction phase and the County and CRRMA would now like HNTB to provide various construction phase services through the successful completion of the Project, which requires an amendment to the referenced work authorization between the CRRMA and HNTB.

NOW, THEREFORE, BE IT RESOLVED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY:

THAT the Executive Director be authorized to execute **Amendment No. 2 to Work Authorization No. 6** with HNTB Corporation including any additional documents or materials as may be required, for the provision of various construction phase services for the Homestead Meadows Shared Use Path Project.

PASSED AND APPROVED THIS 10TH DAY OF JUNE 2026.

**CAMINO REAL REGIONAL
MOBILITY AUTHORITY**

ATTEST:

Joyce A. Wilson
Chair

Lina Ortega
Board Secretary

APPROVED AS TO CONTENT:

Raymond L. Telles
Executive Director

WORK AUTHORIZATION NO. 6

AMENDMENT NO. 2

This **Amendment No. 2** to **Work Authorization No. 6** (the “Amendment”) is made as of the last date noted below, under the terms and conditions established in the AGREEMENT FOR GENERAL CONSULTING CIVIL ENGINEERING SERVICES, dated as of August 22, 2022, (the “Agreement”), between the Camino Real Regional Mobility Authority (“Authority”) and HNTB Corporation (“GEC”). This Amendment is made for the purposes identified below, consistent with the services defined in the Agreement.

The Authority and the GEC previously executed **Work Authorization No. 6** for the GEC to provide certain design oversight and construction letting services for the Homestead Meadows Shared Use Path (“Project”). **Work Authorization No. 6** was supplemented by **Amendment No. 1**, to allow for an extension of services by the GEC. This **Amendment No. 2** seeks to further supplement **Work Authorization No. 6** for the GEC to provide various construction phase services to the Authority. The additional services contemplated by this Amendment are more fully enumerated herein.

Therefore, and in consideration of the mutual covenants and agreement between the parties, the Authority and GEC hereby agree to the following.

Section A. – Scope of Services

The GEC shall provide those additional construction phase services identified within **EXHIBIT A-1**, which is attached hereto and incorporated herein for all purposes.

Section B. – Schedule

EXHIBIT B-1 of **Work Authorization No. 6** shall be supplemented by **EXHIBIT B-2**, which is attached hereto and incorporated herein for all purposes. The GEC shall provide those additional services contemplated within this **Amendment No. 2** in accordance with the timelines identified within the supplemental schedule included in **EXHIBIT B-2**; provided, however, that schedule revisions may be made upon request of the GEC, subject to the written approval of the Authority’s Executive Director.

Section C. – Compensation

In return for the provision of the additional services requested herein, the Authority shall pay to the GEC an additional not to exceed amount of THREE HUNDRED FOURTEEN THOUSAND SEVEN HUNDRED NINE AND 33/100 DOLLARS (\$314,709.33), based on the Fee Estimate Summary, which is attached hereto for all purposes as **EXHIBIT C-1**. Accordingly, the total not to exceed amount from **Work Authorization No. 6** and all subsequent amendments shall be FOUR HUNDRED TWENTY-THREE THOUSAND ONE HUNDRED SIXTY-TWO AND 64/100 DOLLARS (\$423,162.64). Compensation shall be made in accordance with the Agreement. Invoices shall continue to be provided by the GEC in accordance with **EXHIBIT D** of **Work Authorization No. 6**.

Except to the extent expressly modified herein, all terms and conditions of the Agreement shall continue in full force and effect.

GEC:
HNTB Corporation

AUTHORITY:
Camino Real Regional Mobility Authority

Summer B. Lawton, PLA
Senior Vice President
Date: _____

Raymond L. Telles
Executive Director
Date: _____

EXHIBIT A-1 SERVICES TO BE PROVIDED BY THE GEC SCOPE OF WORK

INTRODUCTION

The Authority has requested the addition of construction oversight, materials testing, and project administration services. At the completion of this scope of services, the GEC shall provide construction records documenting the adherence by the construction contractor to the required plans, and specifications of the construction contract.

TASK 1 – CONSTRUCTION OVERSIGHT

GEC shall provide professional services associated with construction oversight including the construction engineering and testing in accordance with the Interlocal Agreement among the Authority and El Paso County. The GEC shall provide qualified technical and professional personnel to perform these services. The GEC shall not interfere with the Contractor's work effort or productivity. Construction oversight by the GEC shall not relieve the Contractor of sole responsibility for the means and methods of the construction of the Project. In performing this task, the GEC shall not direct, manage, or control the Contractor's work activities. Construction oversight efforts shall focus on coordination with the Contractor's construction process to provide monitoring and oversight of reasonable compliance with contract obligations, sound engineering practices and regulatory requirements. Each task will be performed only up to the allotted number of hours in the fee and assumptions in the scope. The GEC anticipates that the hours, number of RFIs, submittals, and tests are insufficient to complete the project per the plans and specifications. Any request to continue efforts beyond Tasks exceeding the allotted hours or assumptions will require an amendment or will be completed by the Authority. The following tasks are included:

Task 1.1 - Construction Management

- a) Conduct preconstruction meeting with contractor, Authority and El Paso County
- b) Confer to resolve issues with work procedures, complaints or construction problems (Assume 12 hours)
- c) Plan and coordinate project activities to meet deadlines (Assume 8 hours)
- d) Part-time Site Representative(s) to serve as the point of contact during the on-site observation and inspection (Major Activities)
- e) Provide administrative support within the defined scope of services, including preparation of routine daily documentation such as daily work reports on-site for Major Activities, coordination notes, and internal tracking of assigned tasks.
- f) Attend and participate in discussions regarding minor construction changes (up to 2 meetings assumed)
- g) Conduct and coordinate weekly construction / stakeholder coordination meetings. Generate and distribute meeting minutes (assume 16)

- h) Develop and review daily project status and quantity installed/placed reports (submitted monthly)
- i) Review and track submittals by maintaining an up-to-date submittal log (assume up to 3 Submittals)
- j) Review and track RFI's by maintaining an up-to-date RFI log (assume up to 3 RFIs)
- k) Generate an independent cost analysis for change order requests (assume up to 2 change order requests)
- l) Review and approve payment submittals for contractor's completed work and make payment recommendations based on quality and material used (assume 8 pay submittals)
- m) Review contractor's baseline schedule and make recommendations to accept or reject. Assist with schedule review of contractor's Monthly Schedule Update to identify problems (assume 9 baseline schedule reviews)
- n) Maintain a set of marked-up construction documents which show field changes

Task 1.1 Deliverables:

- 1. Construction and Stakeholder coordination summaries
- 2. Daily project progress reports (submitted monthly)
- 3. RFI and submittal log
- 4. Change order cost analysis
- 5. Marked Up Plans with field changes

Task 1.2 – Material Testing and Observation

The GEC shall perform sampling and testing of materials in accordance with the specifications and provisions and shall provide written follow-up communications on failing tests in accordance with the specifications. Testing shall be in accordance with ASTM and/or TxDOT procedures. The testing assumptions are listed below:

- a) Soil Testing and Observation - Quality Assurance - (Refer to Exhibit C-2 for number of tests)
 - Site Preparation
- b) Concrete Testing and Observation with test cylinder sizes in accordance with ASTM C31 and ACI 318 -_Quality Assurance - (Refer to Exhibit C-2 for number of tests)
 - Foundation
 - Paving
 - Curb
- c) Asphalt Testing and Observation - Quality Assurance - (Refer to Exhibit C-2 for number of tests)
 - Asphalt
- d) Structural, Engineering, and Technical Services - Quality Assurance – (Refer to Exhibit C-2 for number of tests)
 - Structural Inspection

Task 1.2 Deliverables:

- 1. Material Testing Summary Reports (electronic distribution as tests occur)

Task 1.3 – Project Closeout

The GEC shall help close out the project, which includes verifying that contractor's documentation and project-related issues have been resolved in accordance with the contract requirements. Verify that manufacturer warranty documents are complete. Submit final documentation including:

- a) Schedule with Authority, El Paso County and contractor the punch list walkthrough. Provide written punch list with required repair items
- b) Verify contractor's documentation and project related issues have been resolved in accordance with the contract requirements
- c) Review As-Built drawings based on contractor's markups. Provide in PDF format with markup tools (assume one submittal)
- d) Construction records closeout shall be provided on OneDrive, Dropbox, or USB thumb drive with PDFs, MS Word, or MS Excel format documents
- e) Final quantity tabulation shall be provided in MS Excel format

Task 1.3 Deliverables:

1. Walkthrough punch list
2. As-Built drawings
3. Construction records
4. Final estimate

TASK 2 – COORDINATION AND PROJECT MANAGEMENT

The GEC shall administer, manage, review and coordinate the project, including:

- a) Project Management/Administration/Invoicing
 - GEC shall prepare and deliver monthly invoices and progress reports for this assignment. Prepare invoices utilizing standard payment submission forms with supporting documentation. Supporting documentation requirements are determined by the Authority
 - GEC shall attend status meetings (assume 8-1 hr. meetings) with date, required attendees, time and location to be determined by the Authority
 - GEC shall establish and follow a Project Quality Plan (PQP)
- b) Document Controls
 - Develop and implement document control plan
 - Maintain project files for the duration of the project utilizing HNTB's SharePoint or similar system hosted by the Authority
 - Transfer program files to the Authority and/or the agency upon completion of the work or as directed by the Authority

Task 2 Deliverables:

1. 9 Monthly invoices (assume 8 months for Construction Oversight and 1 month for closeout)
2. Documentation files (Word, Excel and PDF) transferred electronically (OneDrive or similar) upon completion of the work

ASSUMPTIONS

a. Services Provided by Others

This work authorization assumes the following activities shall be provided by others or have already occurred:

- SWPPP documents by contractor
- All hazardous material mitigation
- Construction

Services beyond the assumptions defined in this scope or exceeding the authorized fee can be provided as additional services and will require an amendment to the work authorization.

b. Schedule

The Amendment assumes a 8-month project schedule. If the Contractor's schedule is delayed beyond reasonable expectations, the budget provided in EXHIBIT C-2 may not cover all GEC project expenses and a supplemental work authorization may be requested.

c. Funding Source

This work authorization assumes the Project is funded by federal and state funds.

d. Staff Labor and Overhead Rates

Hourly rates and overhead rates shown in EXHIBIT C-2 are estimates or averages used for the purpose of establishing the not to exceed budget for this work authorization. The actual rates used will be in accordance with Section 4, Compensation in the Agreement.

e. Invoices

Invoices shall be provided by the GEC in accordance with Exhibit D.

f. Testing

Testing will be billed in minimum increment of full hour. A minimum charge of 3 hours applies to field testing and observation, and sample pick up. Scheduling or cancelation of testing is required no less than the working day prior to the date or will be assessed a minimum 2-hour charge. Overtime rates will be applicable for services before 7 am and after 5 pm and for weekends.

[END OF EXHIBIT]

Exhibit B-2
Homestead Meadows SUP Schedule

ID	Task Name	Duration	Start	Finish	Month -4	Month -3	Month -2	Month -1	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9
1	WA#6 - Amendment 2 - Homestead Meadows SUP Construction Oversight	258 days	Thu 5/21/26	Mon 5/17/27													
2	Notice to Proceed	0 days	Mon 9/21/26	Mon 9/21/26													
3	Letting	0 days	Thu 5/21/26	Thu 5/21/26													
4	1. CONSTRUCTION SERVICES OVERSIGHT	171 days	Mon 9/21/26	Mon 5/17/27													
5	1.1 Construction Management	170 days	Mon 9/21/26	Fri 5/14/27													
6	a. Conduct preconstruction meeting with contractor, Authority and County	0 days	Mon 9/21/26	Mon 9/21/26													
7	b. Confer to resolve issues with work procedures, complaints or construction problems	160 days	Mon 9/21/26	Fri 4/30/27													
8	c. Plan and coordinate project activities to meet deadlines	160 days	Mon 9/21/26	Fri 4/30/27													
9	d. Full time Project Representative(s) to serve as the point of contact during the on-site observation and inspection	160 days	Mon 10/5/26	Fri 5/14/27													
10	e. Provide administrative responsibility and oversight for the project including full time inspection services and field observations	160 days	Mon 9/21/26	Fri 4/30/27													
11	f. Attend and participate in groundbreaking, professional and community meetings, and all discussions regarding any changes	80 days	Mon 9/21/26	Fri 1/8/27													
12	g. Conduct and coordinate weekly construction meetings and stakeholder coordination meetings. Generate and distribute meeting minutes	80 days	Mon 10/5/26	Fri 1/22/27													
13	h. Develop daily project status and quantity installed/placed reports	160 days	Mon 10/5/26	Fri 5/14/27													
14	i. Review and track all submittals by maintaining an up-to-date submittal log	90 days	Mon 9/21/26	Fri 1/22/27													
15	j. Review and track all RFI's by maintaining an up-to-date RFI log	90 days	Mon 9/21/26	Fri 1/22/27													
16	k. Generate an independent cost analysis for change order requests	60 days	Mon 10/5/26	Fri 12/25/26													
17	l. Review and approve all payment submittals for contractor's completed work and make payment recommendations based on quality and material used	160 days	Mon 10/5/26	Fri 5/14/27													
18	m. Assist with schedule review of contractor's status reports to identify problems	140 days	Mon 10/5/26	Fri 4/16/27													
19	n. Maintain a set of marked-up construction documents which show field changes	160 days	Mon 10/5/26	Fri 5/14/27													
20	1.2 Material Testing and Observation	120 days	Mon 9/21/26	Fri 3/5/27													
21	a. Soil Testing and Observation	120 days	Mon 9/21/26	Fri 3/5/27													
22	b. Concrete Testing and Observation	120 days	Mon 9/21/26	Fri 3/5/27													
23	c. Asphalt Testing and Observation	120 days	Mon 9/21/26	Fri 3/5/27													
24	d. Structural, Engineering, and Technical Services	120 days	Mon 9/21/26	Fri 3/5/27													
25	1.3 Project Closeout	171 days	Mon 9/21/26	Mon 5/17/27													
26	a. Punchlist walkthrough	1 day	Mon 9/21/26	Mon 9/21/26													
27	b. Verification of contract requirements	20 days	Mon 9/21/26	Fri 10/16/26													
28	c. Prepare as-built drawings	20 days	Mon 9/21/26	Fri 10/16/26													
29	d. Construction records closeout	20 days	Mon 9/21/26	Fri 10/16/26													
30	e. Final quantity takeoff	15 days	Mon 9/21/26	Fri 10/9/26													
31	f. Warranty walkthrough	1 day	Mon 5/17/27	Mon 5/17/27													
32	2. Program Management	160 days	Mon 9/21/26	Fri 4/30/27													
33	a. Project Management/Administration/Invoicing	160 days	Mon 9/21/26	Fri 4/30/27													
34	b. Document Controls	160 days	Mon 9/21/26	Fri 4/30/27													
35	Work Authorization Expiration	0 days	Mon 5/17/27	Mon 5/17/27													

Fee Estimate Summary

Homestead Meadows Shared Use Path
Construction Services
Work Authorization 6 - Amendment 2

		<u>Firm</u>		<u>Total</u>
Labor	HNTB		\$	276,815.03
Direct Expenses	HNTB		\$	18,505.00
Labor	CQC		\$	7,645.30
QA Testing Services	CQC		\$	9,164.00
Direct Expenses	CQC		\$	2,580.00
		Total Supplemental Fee	\$	314,709.33
		Original WA6 Fee per Exhibit C	\$	108,453.31
		Total Fee	\$	423,162.64

FAR Overhead 139.44%, Profit 12%, Multiplier 2.67

Homestead Meadows Shared Use Path Construction Services		HNTB Labor							Subtotal hours	Subtotal Fee
		Billing Classification	Senior Project Manager	Construction Manager	Quality Manager	Inspector I	Administrative Assistant I	Senior Project Analyst		
Billing Rate		\$397.60	\$268.19	\$109.77	\$125.62	\$79.66	\$131.42			
Task 1 CONSTRUCTION OVERSIGHT SERVICES										
Task 1.1 Construction Management										
a	Conduct preconstruction meeting with contractor, Authority and El Paso County	1	1		1	1		4	\$ 871.07	
b	Confer to resolve issues with work procedures, complaints or construction problems	1	12		16			29	\$ 5,625.80	
c	Review project activities to meet deadlines		8		8			16	\$ 3,150.48	
d	Oversight of Full-time Project Representative(s) to serve as the point of contact during the on-site observation and inspection (Major Activities)		12		334			346	\$ 45,175.36	
e	Provide administrative support within the defined scope of services, including preparation of routine daily documentation such as daily work reports, coordination notes, and internal tracking of assigned tasks.		32		334	9		375	\$ 51,256.10	
f	Attend and participate discussions regarding minor construction changes (up to 2 meetings assumed)	2	4		4			10	\$ 2,370.44	
g	Conduct and coordinate all required bi-weekly construction meetings and stakeholder coordination meetings as well as generating and distributing meeting minutes (assume 16)	2	32		32			66	\$ 13,397.12	
h	Review of daily project status and quantity installed/placed reports (submitted monthly)	2	16		16			34	\$ 7,096.16	
i	Review and track all submittals by maintaining an up-to-date submittal log (assume up to 3)		6		8			14	\$ 2,614.10	
j	Review and track all RFIs by maintaining an up-to-date RFI log (assume up to 3)		6		8			14	\$ 2,614.10	
k	Generate an independent cost analysis for change order requests (assume up to 2)		10		8			18	\$ 3,686.86	
l	Review and approve all payment submittals for contractor's completed work and payment recommendations based on quality and material used (assume 8)		24		8			32	\$ 7,441.52	
m	Review contractor's baseline schedule and make recommendation of accept or reject. Assist with schedule review of contractor's Monthly Schedule Update to identify problems (assume 9)		9		9			18	\$ 3,544.29	
n	Maintain a set of marked-up construction documents which show field changes		8		8			16	\$ 3,150.48	
Task 1.1 Deliverables										
1	Construction / stakeholder meeting summaries	2	12		24	4		42	\$ 7,347.00	
2	Daily project progress reports		12	0	160	16		188	\$ 24,592.04	
3	RFI and submittal logs		12		24			36	\$ 6,233.16	
4	Change order cost analysis		12	0	24			36	\$ 6,233.16	
5	Marked Up Plans with field changes		8		8			16	\$ 3,150.48	
Task 1.1 Hours		10	236	0	1034	30	0			
Task 1.1 Subtotal		\$ 3,976.00	\$ 63,292.84	\$ -	\$ 129,891.08	\$ 2,389.80	\$ -	1,310	\$ 199,549.72	
Task 1.2 Material Testing and Observation										
a	Soil Testing and Observation (Quality Assurance)		5		24			29	\$ 4,355.83	
b	Concrete Testing and Observation (Quality Assurance)		5		24			29	\$ 4,355.83	
c	Asphalt Testing and Observation (Quality Assurance)		5		24			29	\$ 4,355.83	
d	Structural, Engineering, and Technical Services (Quality Assurance)		5		24			29	\$ 4,355.83	
Task 1.2 Deliverables										
1	Material Testing Summary Reports					8		8	\$ 637.28	
Task 1.2 Hours		0	20	0	96	8	0			
Task 1.2 Subtotal		\$ -	\$ 5,363.80	\$ -	\$ 12,059.52	\$ 637.28	\$ -	124	\$ 18,060.80	
Task 1.3 Project Closeout										
a	Punch list walkthrough		9		12			21	\$ 3,921.15	
b	Verify contractor's documentation and project related issues have been resolved in accordance with the contact requirements	2	16		18	26		62	\$ 9,418.56	
c	Review as-built drawings		2		8			10	\$ 1,541.34	
d	Construction records closeout		5		18	26		49	\$ 5,673.27	
e	Final quantity takeoff		4		16			20	\$ 3,082.68	
Task 1.3 Deliverables										
1	Walkthrough punch list		2		2			4	\$ 787.62	
2	As-built drawings		1	0	2			3	\$ 519.43	
3	Construction records		6		42	32		80	\$ 9,434.30	
4	Final estimate		2		16	1		19	\$ 2,625.96	
Task 1.3 Hours		2	47	0	134	85	0			
Task 1.3 Subtotal		\$ 795.20	\$ 12,604.93	\$ -	\$ 16,833.08	\$ 6,771.10	\$ -	268	\$ 37,004.31	
Task 2 COORDINATION AND PROJECT MANAGEMENT										
a	Project Management/Administration/Invoicing	8	16	4		16	0	44	\$ 9,185.48	
b	Document Controls		16			24		40	\$ 6,202.88	
Task 2 Deliverables										
1	Monthly invoices	4	8		8	8	0	28	\$ 5,378.16	
2	Documentation files					18		18	\$ 1,433.88	
Task 2 Hours		12	40	4	8	66	0			
Task 2 Subtotal		\$ 4,771.20	\$ 10,727.60	\$ 439.08	\$ 1,004.96	\$ 5,257.56	\$ -	130	\$ 22,200.40	
Total Hours		24	343	4	1272	189	0			
Total Labor Cost		\$ 9,542.40	\$ 91,989.17	\$ 439.08	\$ 159,788.64	\$ 15,055.74	\$ -	1,832	\$ 276,815.03	
									HNTB EXPENSES \$ 18,505.00	
									HNTB SUPPLEMENTAL FEE \$ 295,320.03	

HNTB Other Direct Expenses					
Description	Unit cost		Quantity		Subtotals
Mileage @ (1/1/26 IRS rate)	\$ 0.73	per mile	0	miles	\$ -
Subtotal Travel					\$ -
Federal Express/UPS	\$ 150.00	Per Month		Each	\$ -
Postage/Freight	\$ 100.00	Per Month		Each	\$ -
Subtotal Communications/Shipping					\$ -
Newspaper Advertisement	\$ 1,500.00	each	0	each	\$ -
8½"X11" B/W Paper Copies	\$ 0.25	per copy	300	copies	\$ 75.00
8½"X11" Color Paper Copies	\$ 1.00	per copy	0	copies	\$ -
11"X17" B/W Paper Copies	\$ 0.30	per copy	0	copies	\$ -
11"X17" Color Paper Copies	\$ 1.25	per copy	0	copies	\$ -
Env. Field Supplies (lathes, stakes, flagging, spray paint, etc.)	\$ 60.00	Day	0	days	\$ -
Cellular Phone/Data Plan	\$ 100.00	Month	8	months	\$ 800.00
Laptop Computer/ Tablet and Data Plan	\$ 85.00	Month	8	months	\$ 680.00
Construction Truck 4X4 (Includes operation and maintenance costs; Insurance costs will not be reimbursed)	\$ 1,900.00	Month	8	months	\$ 15,200.00
Construction Truck 4x4 (Includes operation and maintenance costs; Insurance costs will not be reimbursed)	\$ 125.00	Day	10	days	\$ 1,250.00
PPE (Protective Equipment)	\$ 250.00	Each	2	each	\$ 500.00
Subtotal Reproduction					\$ 18,505.00
Total					\$18,505.00

PROJECT: CRRMA HOMESTEAD MEADOWS SHARED USE PATH					
CQC Testing and Engineering, L.L.C.					
CONSTRUCTION MATERIALS TESTING SERVICES					
Construction Materials Testing Services					
Services To Be Provided	Test Code	Unit	Rate	Quantity	Cost
Soils Tests					
Standard Test Method for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils	ASTM D2974	each	\$ 250.00		\$ -
Determining Slaking Time	Tex-102-E	each	\$ 80.00		\$ -
Determining Soil Moisture Content in Soils	ASTM D 2216/ Tex-103-E	each	\$ 14.00		\$ -
Atterberg Limits (Determining Liquid Limit, Plastic Limit, and Calculating Plasticity index of soils)	Tex-103-E, Tex-104-E, Tex-105-E	each	\$ 75.00	2	\$ 150.00
Calculating the Plasticity Index of Soils	Tex-106-E	each	\$ 55.00	2	\$ 110.00
Determining the Bar Linear Shrinkage of Soils	5	each	\$ 85.00	2	\$ 170.00
Determining the Specific Gravity of Soils	Tex-108-E	each	\$ 85.00		\$ -
Particle Size Analysis of Soils	6	each	\$ 85.00	2	\$ 170.00
Determining the Amount of Material in Soils Finer than the 75 micrometer (No. 200) Sieve		each	\$ 65.00		\$ -
Admixing Lime to Reduce Plasticity Index of Soils	Tex-112-E	each	\$ 250.00		\$ -
Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials	Tex-113-E	each	\$ 325.00	1	\$ 325.00
Laboratory Compaction Characteristics and Moisture-Density Relationship of Subgrade, Embankment Soils, and Backfill Material	Tex-114-E	each	\$ 300.00	2	\$ 600.00
Laboratory Soil Moisture Density Relationship Test	ASTM D 698/ D 1557	each	\$ 280.00		\$ -
Field Method for Determining In-Place Density of Soils and Base Materials, 3 tests min. per call out.	ASTM D 6938/ Tex-115-E	each	\$ 34.00	21	\$ 714.00
Ball Mill Method for Determining the Disintegration of Flexible Base Material	Tex-116-E	each	\$ 225.00	1	\$ 225.00
Triaxial Compression Test for Disturbed Soils and Base Materials	Tex-117-E	each	\$ 1,850.00	1	\$ 1,850.00
Triaxial Compression Test for Undisturbed Soils	Tex-118-E	each	\$ 1,600.00		\$ -
Soil-Cement Testing	Tex-120-E	each	\$ 350.00		\$ -
Soil-Lime Testing	Tex-121-E	each	\$ 350.00		\$ -
Determining the Drainage Factor of Soil Materials	Tex-123-E	each	\$ 400.00		\$ -
Determining Potential Vertical Rise	Tex-124-E	each	\$ 110.00		\$ -
Determining Modulus of Sub-grade Reaction (K Value)	Tex-125-E	each	\$ 200.00		\$ -
Molding, Testing, and Evaluating Bituminous Black Base Materials	Tex-126-E	each	\$ 2,200.00		\$ -
Lime Fly-Ash Compressive Strength Test Methods- Part 1	Tex-127-E	each	\$ 150.00		\$ -
Lime Fly-Ash Compressive Strength Test Methods- Part 2	Tex-127-E	each	\$ 150.00		\$ -
Determining Soil pH	Tex-128-E	each	\$ 45.00		\$ -
Measuring the Resistivity of Soil Materials	Tex-129-E	each	\$ 150.00		\$ -
Consolidated Undrained (CU) Triaxial Compression Test for Undisturbed Soils- Single Stage	Tex-131-E	set of 3	\$ 1,800.00		\$ -
Consolidated Undrained (CU) Triaxial Compression Test for Undisturbed Soils- Multiple Change	Tex-131-E	set of 3	\$ 1,700.00		\$ -
Texas Cone Penetration	Tex-132-E	each	\$ 25.00		\$ -
Freezing and Thawing Tests of Compacted Soil-Cement Mixture	Tex-135-E	each	\$ 420.00		\$ -
Manual Procedure for Description and Identification of Soils	Tex-141-E	each	\$ 110.00		\$ -
Laboratory Classification of Soils for Engineering Purposes	Tex-142-E	each	\$ 110.00		\$ -
Determining Sulfate Content in Soils - Colorimetric Method	Tex-145-E	each	\$ 110.00	1	\$ 110.00
Conductivity Test for Field Detection of Sulfates in Soil	Tex-146-E	each	\$ 75.00		\$ -
Determining Chloride and Sulfate Contents in Soils	Tex-620-J	each	\$ 95.00		\$ -
One-Dimensional Consolidation	ASTM D2435	each	\$ 600.00		\$ -
Soil Direct Shear (CD) Clay	ASTM D3080	each	\$ 580.00		\$ -
Swell tests (Free Swell)	ASTM D4546	each	\$ 185.00		\$ -
Swell tests (Pressure Swell)	ASTM D4646	each	\$ 250.00		\$ -
Asphalt Tests					
Sampling Bituminous Materials, Pre-Molded Joint Fillers, and Joint Sealers	Tex-500-C	each	\$ 110.00		\$ -
Asphalt Binder Water in Petroleum	Tex-501-C AASHTO T 55	each	\$ 150.00		\$ -
Penetration of Bituminous Materials	Tex-502-C AASHTO T49	each	\$ 140.00		\$ -
Ductility of Asphalt Materials	Tex-503-C AASHTO T51	each	\$ 145.00		\$ -
Flash and Fire Points by Cleveland Open Cup	Tex-504-C AASHTO T48	each	\$ 150.00		\$ -
Softening Point of Bitumen (Ring and Ball Apparatus)	Tex-505-C AASHTO T53	each	\$ 170.00		\$ -
Solubility of Bituminous Materials	Tex-507-C AASHTO T44	each	\$ 175.00		\$ -
Specific Gravity	Tex-508-C AASHTO T228	each	\$ 175.00		\$ -
Spot Test of Asphaltic Materials	Tex-509-C AASHTO T102	each	\$ 225.00		\$ -
Effect of Heat and Air on Asphalt Materials (Thin-Film Oven Test)	Tex-510-C AASHTO T179	each	\$ 225.00		\$ -
Flash Point with Tag Open-Cup Apparatus for Use with Material Having a Flash Point Less Than 93°C (200°F)	Tex-512-C AASHTO T79	each	\$ 150.00		\$ -
Saybolt Viscosity	Tex-513-C AASHTO T72	each	\$ 80.00		\$ -
Cutback Asphalts - Specific Gravity, API Gravity, or Density of Cutback Asphalts by Hydrometer Method; Emulsified Asphalts - Weight per Gallon of Emulsified Asphalt	Tex-514-C ASTM D3142 ASTM D244	each	\$ 150.00		\$ -
Distillation of Cutback Asphalt Products	Tex-515-C AASHTO T78	each	\$ 180.00		\$ -
Float Test for Bituminous Materials	Tex-519-C AASHTO T50	each	\$ 125.00		\$ -
Standard Test Method for Emulsified Asphalts	Tex-521-C AASHTO T59	each	\$ 125.00		\$ -
Viscosity of Asphalts by Vacuum Capillary Viscometer	Tex-528-C AASHTO T202	each	\$ 100.00		\$ -
Kinematic Viscosity of Asphalts (Bitumens)	Tex-529-C AASHTO T201	each	\$ 125.00		\$ -
Determining Polymer Additive Percentages in Polymer Modified Asphalt Cements	Tex-533-C	each	\$ 125.00		\$ -
Calculating Viscosity from Penetration	Tex-535-C	each	\$ 125.00		\$ -
Elastic Recovery of Tensile Deformation Using a Ductilometer	Tex-539-C	each	\$ 185.00		\$ -
Measurement of Polymer Separation on Heating in Modified Asphalt Systems	Tex-540-C	each	\$ 125.00		\$ -
Rolling Thin Film Oven Test for Asphalt Binders	Tex-541-C AASHTO T240	each	\$ 280.00		\$ -
Flexural Creep Stiffness Using the Bending Beam Rheometer	AASHTO T313	each	\$ 185.00		\$ -
Determining Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer	AASHTO T315	each	\$ 180.00		\$ -
Determining Breaking Index for Asphalt Emulsions	Tex-542-C	each	\$ 150.00		\$ -
Resilience Test for Sealants and Repair Materials	Tex-547-C	each	\$ 150.00		\$ -
Tensile Strain to Failure	Tex-548-C	each	\$ 200.00		\$ -
Cone Flow Test	Tex-549-C	each	\$ 225.00		\$ -
Flexibility Test for Sealants and Repair Materials	Tex-550-C	each	\$ 225.00		\$ -
Settlement of Sealants and Repair Materials	Tex-551-C	each	\$ 225.00		\$ -
Bituminous Tests					

Sieve Analysis for Fine and Coarse Aggregate	Tex-200-F	each	\$ 110.00		\$ -
Bulk Specific Gravity and Water Absorption of Aggregate	Tex-201-F	each	\$ 95.00		\$ -
Apparent Specific Gravity of Material Finer than No. 50 Sieve	Tex-202-F	each	\$ 90.00		\$ -
Sand Equivalent	Tex-203-F	each	\$ 185.00		\$ -
Design of Bituminous Mixtures	Tex-204-F	each	\$ 2,400.00		\$ -
Laboratory Method of Mixing Bituminous Mixtures	Tex-205-F	set of 3	\$ 250.00		\$ -
Compacting Specimens Using the Texas Gyro Compactor (TGC)	Tex-206-F	set of 3	\$ 150.00		\$ -
Determining Density of Compacted Bituminous Mixtures	Tex-207-F (Part I)	each	\$ 55.00	2	\$ 110.00
Determining In-Place Density of Compacted Bituminous Mixtures (Nuclear Method)	Tex-207-F (Part III)	each	\$ 45.00	12	\$ 540.00
Determining Longitudinal Joint Density Using a Density Testing Gauge	Tex-207-F (Part VII)	each	\$ 85.00		\$ -
Determining Mat Segregation Using a Density-Testing Gauge	Tex-207-F (Part V)	each	\$ 110.00		\$ -
Determining Density of Compacted Bituminous Mixtures (Vacuum Method)	Tex-207-F (Part VI)	each	\$ 75.00		\$ -
Determining Density of Permeable Friction Course (PFC) Mixtures	Tex-207-F (Part VIII)	each	\$ 75.00		\$ -
Test of Stabilometer Value of Bituminous Mixtures	Tex-208-F	set of 3	\$ 120.00		\$ -
Determining Asphalt Content of Bituminous by Extraction	Tex-210-F	each	\$ 185.00		\$ -
Recovery of Asphalt from Bituminous Mixtures by the Abson Process	Tex-211-F	each	\$ 300.00		\$ -
Determining Moisture Content of Bituminous Mixtures	Tex-212-F	each	\$ 85.00		\$ -
Determining Hydrocarbon-Volatile Content of Bituminous Mixtures	Tex-213-F	each	\$ 125.00		\$ -
Determining Deleterious Material and Decantation Test for Coarse Aggregates	Tex-217-F	each	\$ 95.00		\$ -
Determining Flakiness Index	Tex-224-F	each	\$ 95.00		\$ -
Indirect Tensile Strength Test	Tex-226-F	set of 3	\$ 85.00		\$ -
Theoretical Maximum Specific Gravity of Bituminous Mixtures	Tex-227-F	each	\$ 95.00	2	\$ 190.00
Determining Asphalt Content of Bituminous Mixtures by the Nuclear Method	Tex-228-F	each	\$ 80.00		\$ -
Combined HMAC Cold-Belt Sampling and Testing Procedure	Tex-229-F	each	\$ 95.00		\$ -
Determining Draindown Characteristics in Bituminous Mixtures	Tex-235-F	each	\$ 85.00		\$ -
Determining Asphalt Content from Asphalt Paving Mixtures by the Ignition Method	Tex-236-F	each	\$ 175.00	1	\$ 175.00
Asphalt Release Agents	Tex-239-F	each	\$ 125.00		\$ -
Superpave Gyro Compacting of Test Specimens of Bituminous Mixtures	Tex-241-F	set of 2	\$ 150.00	1	\$ 150.00
Hamburg Wheel-Tracking Test	Tex-242-F	each	\$ 650.00		\$ -
Tack Coat Adhesion	Tex-243-F	each	\$ 350.00		\$ -
Thermal Profile	Tex-244-F	each	\$ 300.00		\$ -
Cantabro Loss	Tex-245-F	each	\$ 225.00		\$ -
Permeability or Water Flow of Hot Mix Asphalt	Tex-246-F	each	\$ 120.00		\$ -
Overlay Test	Tex-248-F	set of 3	\$ 750.00		\$ -
Determining Flat and Elongated Particles	Tex-280-F	each	\$ 95.00		\$ -
Effect of Water on Bituminous Paving Mixtures	Tex-530-C	each	\$ 150.00		\$ -
Concrete & Aggregate Tests					
Compressive Strength of Cement Mortars	ASTM C109	set of 3	\$ 250.00		\$ -
Sieve Analysis of Fine and Coarse Aggregate	Tex-401-A	each	\$ 85.00		\$ -
Fineness Modulus of Fine Aggregate	Tex-402-A	each	\$ 80.00		\$ -
Saturated Surface-Dry Specific Gravity and Absorption of Aggregates	Tex-403-A	each	\$ 85.00		\$ -
Determining Unit Mass (Weight) of Aggregates	Tex-404-A	each	\$ 80.00		\$ -
Determining Percent Voids and Solids in Concrete	Tex-405-A	each	\$ 85.00		\$ -
Material Finer than 75 micrometer (No. 200) Sieve in Mineral Aggregates (Decantation Test for Concrete Aggregates)	Tex-406-A	each	\$ 95.00		\$ -
Organic Impurities in Fine Aggregate for Concrete	Tex-408-A	each	\$ 85.00		\$ -
Free Moisture and Water Absorption in Aggregate for Concrete	Tex-409-A	each	\$ 85.00		\$ -
Abrasion of Coarse Aggregate Using the Los Angeles Machine	Tex-410-A	each	\$ 225.00		\$ -
Soundness of Aggregate Using Sodium Sulfate or Magnesium Sulfate	Tex-411-A	each	\$ 295.00		\$ -
Determining Deleterious Material in Mineral Aggregate	Tex-413-A	each	\$ 125.00		\$ -
Air Content of Freshly Mixed Concrete by the Volumetric Method	Tex-414-A	each	\$ 25.00		\$ -
Slump of Hydraulic Cement Concrete	Tex-415-A	each	\$ 25.00	10	\$ 250.00
Air Content of Freshly Mixed Concrete by the Pressure Method	Tex-416-A	each	\$ 85.00		\$ -
Unit Weight, Yield, and Air Content (Gravimetric) of Concrete	Tex-417-A	each	\$ 75.00	1	\$ 75.00
Sampling and Compressive Strength of Cylindrical Concrete Specimens, 4 cylinders per set	Tex-418-A	set	\$ 325.00	10	\$ 3,250.00
Compressive Strength of Concrete Using Portions of Beams Broken in Flexure	Tex-419-A	each	\$ 85.00		\$ -
Splitting Tensile Strength of Cylindrical Concrete Specimens	Tex-421-A	each	\$ 75.00		\$ -
Measuring Temperature of Freshly Mixed Portland Cement Concrete	Tex-422-A	hour	\$ 75.00		\$ -
Determining Pavement Thickness by Direct Measurement	Tex-423-A	each	\$ 65.00		\$ -
Obtaining and Testing Drilled Cores of Concrete	Tex-424-A	each	\$ 350.00		\$ -
Absorption and Dry Bulk Specific Gravity of Lightweight Coarse Aggregate	Tex-433-A	each	\$ 125.00		\$ -
Measuring Texture Depth by the Sand Patch Method	Tex-436-A	each	\$ 150.00		\$ -
Test Flow of Grout Mixtures (Flow Cone Method)	Tex-437-A	each	\$ 125.00		\$ -
Accelerated Polish Test for Coarse Aggregate	Tex-438-A	each	\$ 1,350.00		\$ -
Determining Compressive Strength of Grouts	Tex-442-A	each	\$ 32.00		\$ -
Flexural Strength of Concrete Using Simple Beam Third-Point Loading	Tex-448-A	each	\$ 40.00		\$ -
Capping Cylindrical Concrete Specimens	Tex-450-A	each	\$ 30.00		\$ -
Determining Crushed Face Particle Count	Tex-460-A	each	\$ 95.00		\$ -
Degradation of Coarse Aggregate by Micro-Deval Abrasion	Tex-461-A	each	\$ 310.00		\$ -
Chemical Tests					
Sampling and Testing Lime	Tex-600-J	each	\$ 325.00		\$ -
Acid Insoluble Residue for Fine Aggregate	Tex-612-J	each	\$ 250.00		\$ -
Test Method for Volatile Content in Coatings (% Solids)	ASTM D2369	each	\$ 150.00		\$ -
Other Tests					
Other Requested Tests	N/A		At Cost + 12%		
				Total	\$ 9,164.00

Fee Schedule Conditions and Terms

- 1.) Proposed rates include labor, overhead, and profit. For applicable test rates do not include over time charges beyond normal working hours as defined under Item 3 below, if expedited completion is requested.
- 2.) For applicable tests, rate escalation of 4% shall be per approved prime contract.
- 3.) Normal working hours shall be from Monday through Friday from 8:00 am to 5:00 pm. Requested Services on Saturdays, Sundays, Holidays, Night time work and Outside of Normal Working Hours shall be billed at an overtime rate of 1.25%.
- 4.) Applicable technician time and vehicle charges shall be applied for each testing call out for observation and testing services. Technician stand by time shall be applied after one hour if testing is delayed.
- 5.) When soil compaction density tests are scheduled a minimum of three (3) soil compaction tests shall be applied to each test event.
- 6.) A minimum of 3 hours shall of applicable professional time shall be billed for requested testing cancellations plus applicable vehicle charge and over time charges.
- 7.) For work orders or task orders where administrative and professional time is not allowed, a minimum 8% percent administrative fee shall be applied to each issued invoice.

Homestead Meadows Shared Use Path Construction Services	Billing Classification	Administrative /Clerical 2	Lead Project Manager	Project Engineer	Project Engineer-In-Training	Project Geologist 2	Certified Welding Inspector - CWI and NDT	Laboratory Manager	Sr. Certified Technician 1	Technician-In-Training - Level 1	Field and Lab Technician Level 2	Certified Field Tech - Level 3, ACI Field Grade 1	Certified Field Tech - Level 4 TXAPA SB 102 Cert	Certified Field Tech - Level 6 HMA TXAPA Level 1-B Cert	Certified Field and Lab Tech - Level 6.1 HMA TXAPA Level 1-A Cert	Construction Inspector I	Subtotal Hours	Subtotal Fee	
	Billing Rate	\$68.42	\$152.29	\$105.94	\$90.49	\$92.70	\$130.22	\$94.90	\$83.87	\$39.73	\$44.14	\$68.42	\$77.25	\$83.87	\$88.28	\$105.94			
Task 2 CONSTRUCTION OVERSIGHT SERVICES																			
Task 2.2 Material Testing and Observation																			
a	Soil Testing and Observation												8				8	\$ 617.98	
b	Concrete Testing and Observation											12					12	\$ 821.03	
c	Asphalt Testing and Observation												6	6			12	\$ 966.70	
d	Professional Technical Support Services		2	6				2									10	\$ 1,130.02	
Task 2.2 Deliverables																			
1	Material Testing Summary Reports	9	5														14	\$ 1,377.21	
Task 2.2 Hours		9	7	6	0	0	0	2	0	0	0	12	14	6	0	0			
Task 2.2 Subtotal		\$ 615.77	\$ 1,066.02	\$ 635.64	\$ -	\$ -	\$ -	\$ 189.81	\$ -	\$ -	\$ -	\$ 821.03	\$ 1,081.47	\$ 503.21	\$ -	\$ -	56	\$ 4,912.94	
Task 3 COORDINATION AND PROJECT MANAGEMENT																			
a	Project Management/Administration/Invoicing		2	10													12	\$ 1,363.97	
b	Document Controls	4	2	2													8	\$ 790.13	
Task 3 Deliverables																			
1	Monthly invoices	4	2														6	\$ 578.25	
2	Documentation files																0	\$ -	
Task 3 Hours		8	6	12	0	0	0	0	0	0	0	0	0	0	0	0			
Task 3 Subtotal		\$ 547.35	\$ 913.73	\$ 1,271.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26	\$ 2,732.36	
Total Hours		17	13	18	0	0	0	2	0	0	0	12	14	6	0	0			
Total Labor Cost		\$ 1,163.13	\$ 1,979.74	\$ 1,906.91	\$ -	\$ -	\$ -	\$ 189.81	\$ -	\$ -	\$ -	\$ 821.03	\$ 1,081.47	\$ 503.21	\$ -	\$ -	82	\$ 7,645.30	
																		CQC MATERIALS TESTING EXPENSES	\$ 9,164.00
																		CQC SUPPLEMENTAL SUBSURFACE EXPLORATION EXPENSES (As Required)	\$ -
																		CQC ODE EXPENSES	\$ 2,580.00
																		TOTAL ESTIMATED FEE	\$ 19,389.30

PROJECT: CRRMA HOMESTEAD MEADOWS SHARED USE PATH				
OTHER DIRECT EXPENSES				
CQC Testing and Engineering, L.L.C.				
Other Direct Expenses	UNITS	RATE	QUANTITY	COST
Standard Postage (Current state rate)	letter	0.58		0
Certified Letter Return Receipt	each	7.37		0
Overnight express-letter size	each	23.00		0
Overnight express-oversized box	each	100.00		0
8½"X11" B/W Paper Copies	each	0.25		0
11"X17" B/W Paper Copies	each	2.00		0
8½"X11" Color Paper Copies	each	1.00		0
11"X17" Color Paper Copies	each	5.00		0
Backhoe Rental	day	1,200.00		0
Loader Rental	day	1,500.00		0
Report Binding and tabbing	each	80.00		0
Report Printing	each	150.00		0
Plots (B/W on 20# Bond)	5	2.00		0
Plots (Color on 24# Bond)	linear foot	9.00		0
USB Flash Drive - 128 GB	6	2.00		0
Concrete Cylinder Molds		3.25	40	130
Nuclear Density Gauge Equipment Charge	day	45.00		0
PPE (Protective Equipment)	Project	500.00		0
Soil Disposal Fee	each	250.00		0
Soil Sample Shelby Tubes	each	38.00		0
Ground Penetrating Radar, Equipment Use Only - Company Owned	day	550.00		0
Hot Mix Asphalt Testing Equipment Monthly Rental - Required equipment must meet or exceed applicable TxDOT specifications and includes (1 ea) ignition oven, (1 ea) scales, (1 ea) 8" shaker, (1 set) 8" sieves, (1 ea) splitter, (1 ea) hot ovens, (1 ea) vibrating table and bucket, (1 ea) vacuum pump, and (1 ea) Texas Gyrotory Press. All component parts, consumables, and required maintenance are considered subsidiary to this item. Does not include Power, Trailer Penetrations and Water Connections, if required.	month	950.00		0
HMAC Testing Equipment Mobilizations > 150 Miles	Mile	7.00		0
HMAC Testing Equipment Mobilizations > 150 Miles	Project	2,500.00		0
Monthly housing and food allowance - This rate shall be used when an Apartment, House, or RV Lot is rented. (Includes Apartment/House Rental or Rental of Lot at RV Park, Travel Trailer Expense, and Utilities, Taxes, & Meals). The only receipt necessary for the reimbursement of this rate is for the Apartment, House, or RV Lot Rental. ONLY full-time inspectors who are in the field inspecting the designated construction projects may use this rate. The inspector must be in the field a minimum of 3 weeks per calendar month to use this monthly per diem rate. Daily per diem rates cannot be used by the same inspector that uses the monthly per diem rate in the same calendar month. Use of this rate shall be substantiated by timesheets submitted for the full time field personnel inspecting the construction projects.	Month	3,500.00		0
Construction Truck (Includes operation, and maintenance costs; Insurance costs will not be reimbursed)	month	1,700.00		0
Construction Truck (Includes operation, and maintenance costs; Insurance costs will not be reimbursed)	day	125.00		0
Construction Truck (Includes operation, and maintenance costs; Insurance costs will not be reimbursed) 4 hours or less per trip or testing call-out	each	70.00	35	2450
Construction Truck 4X4 (Includes operation and maintenance costs; Insurance costs will not be reimbursed)	month	1,900.00		0
Construction Truck 4x4 (Includes operation and maintenance costs; Insurance costs will not be reimbursed)	day	125.00		0
PPE (Protective Equipment)	each	250.00		0
			Total	\$ 2,580.00