

City of Fayetteville Staff Review Form

2021-0872

Legistar File ID

12/7/2021

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Matt Casey

11/1/2021

ENGINEERING (621)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Approval of Contract Amendment #1 in the amount of \$976,235.00 with Garver, LLC for design of the School/College Avenue Corridor Improvements, per RFQ 20-01, selection #3 and approval of a budget adjustment.

Budget Impact:

4602.860.7221-5860.02

Streets Projects 2019 Bonds

Account Number

Fund

46020.7221.1020

Hwy 71B Corridor, North to Township

Project Number

Project Title

Budgeted Item? Yes

Current Budget \$ 28,837,464.00

Funds Obligated \$ 12,906,584.80

Current Balance **\$ 15,930,879.20**

Does item have a cost? Yes

Item Cost \$ 976,235.00

Budget Adjustment Attached? Yes

Budget Adjustment \$ -

Remaining Budget **\$ 14,954,644.20**

Purchase Order Number: 2020-607

Previous Ordinance or Resolution # ^{V20210527} 180-20

Change Order Number: 1

Approval Date: 7/7/2020

Original Contract Number: 2020-53

Comments:



MEETING OF DECEMBER 7, 2021

TO: Mayor and City Council

THRU: Susan Norton, Chief of Staff
Chris Brown, Public Works Director

FROM: Matt Casey, Engineering Design Manager

DATE: November 1, 2021

SUBJECT: **Approval of Contract Amendment #1 in the amount of \$976,235.00 with Garver, LLC for design of the School/College Avenue Corridor Improvements, per RFQ 20-01, selection #3 and approval of a budget adjustment.**

RECOMMENDATION:

Staff recommends approval of Contract Amendment #1 in the amount of \$976,235.00 with Garver, LLC. to provide professional services for the design of the School/College Avenue Corridor Improvements Project and approval of a budget adjustment.

BACKGROUND:

The School Avenue and College Avenue Corridors serve as the major north-south route through the central part of the City and are major commercial and retail destination. Maintaining and improving the corridors will allow them to continue to serve mobility needs, and to continue to develop/redevelop as commercial corridors.

Improvements to these corridors will include striping, widening and/or narrowing of the roadway, utility relocation (including burial of overhead utilities), sidewalk/trail installation, accommodations for transit systems, elimination or reconfiguration of driveways, additional traffic signals, medians, plazas, art installations, lighting, wayfinding, protected intersections, parking, and other corridor improvements to be identified in the design process.

The starting point for corridor designs is the 71B Corridor Plan recently completed by RDG Planning. Goals and aspirations of the Plan will be implemented to the greatest extent possible through the limits of the project segments selected for design and construction, which include College Ave. between North Street and Township Street, and School Ave. between Martin Luther King Jr. Blvd. and Cato Springs Road.

On July 7, 2020, the City Council approved a contract with Garver, LLC for the programming phase of this project. The programming phase included meetings with stakeholders and city staff to review the plan goals and make decisions about how and where to include project elements identified in the 71B Plan.

DISCUSSION:

On August 10, 2021, the findings of the programming phase were presented to the Transportation Committee with recommendations for more detailed designs. The committee recommended approval of the presentation and requested that Engineering staff and Garver develop a scope of work for the design. Staff has worked with Garver to develop a scope that will include detailed design for College Avenue between North Street and Township Street and School Avenue between 15th Street and MLK Jr. Boulevard. Garver has provided a fee in the amount of \$976,235.00 for this additional work. The contract will be paid based on hourly rates for work completed, up to the total contract amount.

BUDGET/STAFF IMPACT:

The design for this project will be paid for with the funds from the 2019 Transportation Bond Fund under the 71B Corridor Project. The original contract with Garver for this project was \$224,350.00. With this contract amendment, the new total for the project design is \$1,200,585.00. The original allocation in Phase 1 of the Transportation Bond Program was \$500,000.

Attachments:

Garver, LLC - Engineering Agreement
Budget Adjustment



**AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES
CITY OF FAYETTEVILLE
Fayetteville, Arkansas
Project No. 20T21050**

CONTRACT AMENDMENT NO. 1

This Contract Amendment No. 1, effective on the date last written below, shall amend the original contract between the **City of Fayetteville** (Owner) and **GARVER, LLC** (GARVER), dated July 7, 2020 referred to in the following paragraphs as the original contract.

This Contract Amendment No. 1 adds professional design services for the:

Improvements to School Avenue from MLK Jr. Boulevard to 15th Street and College Avenue from North Street to Township Street.

In General, Amendment No. 1 adds surveying, environmental services, design of the improvements as documented in the 2021 Programming Document, and bidding to the previous agreement that only contained the Programming Phase. More specifically, the original contract is hereby modified as follows:

APPENDIX A – SCOPE OF SERVICES

All items contained in the attached Amendment No. 1 Appendix A shall be added to the project Scope of Services.

APPENDIX B – PROJECT FEE SPREADSHEETS

The attached hourly rates, summary sheet, and fee spreadsheets shall be added to Appendix B as included in the original agreement. The Amendment No. 1 shall increase the maximum-not-to-exceed amount a sum of \$976,235 from \$224,350 to \$1,200,585.



This Agreement may be executed in two (2) or more counterparts each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, Owner and GARVER have executed this Amendment effective as of the date last written below.

CITY OF FAYETTEVILLE

GARVER, LLC

By: _____
Signature

By: Ronald S. Petrie
Signature

Name: _____
Printed Name

Name: Ronald S. Petrie
Printed Name

Title: _____

Title: Sr. Project Manager

Date: _____

Date: 11/9/2021

Attest: _____

Attest: D. Jeffrey Webb

AMENDMENT NO. 1

APPENDIX A – SCOPE OF SERVICES

1. General

Generally, the scope of services for Amendment No. 1 includes surveying, environmental, design, preparation of property acquisition documents, and bidding services for improvements to School Avenue between MLK, Jr. Boulevard and 15th Street and College Avenue between North Street and Township Street. Improvements will consist primarily of enhancements to pedestrian & bicycle infrastructure, landscaping, signalization, drainage improvements as necessary, watershed BMPs, utility relocations, and access control improvements for 1.82 miles of the School/College Avenue corridor and the portion of Poplar Street from College Avenue to Green Acres Road. Improvements to the corridor will be consistent with the items identified in the 2021 School & College Avenues Programming document.

A maximum of three (3) separate project plans will be developed for the improvements as described above. One (1) set of the project plans being prepared will utilize state/federal funds.

2. Surveys

2.1. Design Surveys

Garver will utilize the previously performed LIDAR survey for designing the project. The LIDAR survey included sufficient topography for modeling the existing ground, buildings & other structures, streets, trees, visible utilities, and parking lots.

Garver will conduct additional field surveys along the project site as appropriate for locating underground utilities marked by their owners and/or representatives and any other pertinent drainage infrastructure that may be present at and/or along the project site. For the portion of the project between North Street and Township Street, Garver will utilize a survey provided by the City for the field location of utilities. Garver will establish control points for use during construction.

2.2. Property Surveys

Garver will locate existing monumentation representing right of way and/or easements based on record data which will be provided by an abstractor under a subconsultant agreement with Garver for the portion of the project between North Street and Green Acres Road. For the remaining portion of the project, Garver will utilize City data and as-built plans to establish the existing right-of-way.

3. Geotechnical Services

Geotechnical is not anticipated for the completion of the project and not included in this scope of services.

4. Coordination

Garver will furnish plans to all known utility owners potentially affected by the project at preliminary & final stages of development. Garver will conduct individual coordination meetings as necessary among all known affected utility owners to enable them to coordinate efforts for any necessary utility relocations including the possibility of placing overhead utilities underground. Garver will include the surveyed locations of the observable and marked utilities in the construction plans. Garver will also include proposed and/or relocated utility information in the construction plans as provided by the utility companies.

Garver will furnish both preliminary and final plans to the following agencies depending on the specific project regulatory requirements: ARDOT, ADEQ, COE, USFWS, and Department of Arkansas Heritage for their review and comment

In addition to the coordination meetings with the City and other regulatory agencies, the following public meetings will be prepared for and attended:

- Two (2) public involvement meetings
- Two (2) Transportation Committee meetings
- One (1) Active Transportation Committee meeting
- One (1) Arts Council meeting
- Individual Stakeholder meetings as necessary

5. Environmental Services

5.1. Environmental Services

Garver will prepare a small site construction Stormwater Pollution Prevention Plan (SWPPP) in accordance with DEQ standards for each of the three projects defined in this scope of services. Construction site notices of coverage for the three projects will be obtained. Preparation of the SWPPP includes reviews, addressing comments, and refinement of the SWPPP design sheets produced by the engineer to meet DEQ standard requirements for site plans.

A Short-Term Activity Authorization (STAA) is required by DEQ for any project that might cause a violation of Arkansas water quality standards. Garver will complete the STAA request, which includes crossing location(s), point of contact, acreage of disturbance, schedule, and work to be performed. Garver will coordinate the issuance of a STAA with DEQ for one stream crossing. Garver will pay the required fee, which is \$150 per stream crossing and seek reimbursement from the Client.

Garver will perform wetland delineations for the portion of the project between North Street and Green Acres Road and also the area for the Nationwide Permit. Garver will work with the US Army Corps of Engineers to obtain a Section 404 Nationwide permit(s) for projects defined in this scope of services that require such permitting. An Individual permit and mitigation planning are not anticipated.

5.2. Environmental Services (Federal/State Funded Project Only)

Preliminary environmental data associated with the proposed project area will be collected to assess impacts to the social, economic, and natural environments. Data related to the following impact areas should be included:

1. Air Quality
2. Cultural Resources
3. Economic
4. Endangered Species
5. Environmental Justice/Title VI
6. Fish and Wildlife
7. Floodplains
8. Forest Service Property
9. Hazardous Materials/Landfills
10. Land Use
11. Migratory Birds
12. Navigation/Coast Guard
13. Noise Levels
14. Prime Farmland
15. Protected Waters

16. Public Recreation Lands
17. Public Water Supply/WHPA
18. Relocates
19. Section 4(f)/6(f)
20. Social
21. Underground Storage Tanks
22. Visual
23. Streams
24. Water Quality
25. Wetlands
26. Wildlife Refuges

Preliminary environmental data collection is part of the initial scope of work's justification of costs and fees.

5.2.1. Environmental Constraints Map

1. All environmental data collected will be transferred to appropriately scaled aerial photographs and/or overlaid on the design plans to produce a map that indicates all known environmentally sensitive areas and other constraints prior to submittal of 30% plans. The approved map will be the basis for avoidance and minimization of environmental impacts during the design process and notations on the plans for restraining conditions on the Contractor, in accordance with Section 107.10 of the Standard Specifications for Highway Construction. Contract Special Provisions will be developed as necessary to provide protection for environmentally sensitive areas or features and to provide guidance to the Contractor.
2. Constraints Mapping shall include an on-site survey level of site reconnaissance to verify desktop-collected data. A Constraints Memo shall be developed that summarizes the results of mapping and data collection, and shall include avoidance recommendations.

5.2.2. Special Studies and Agency Coordination

1. Conduct a wetland delineation including GPS mapping of potentially jurisdictional aquatic features within the study area.
2. Conduct a Phase I Cultural Resources Survey including archaeological and historic resources. If any additional analyses or data collection are needed beyond a Phase I Cultural Resources survey, this service will be added through a supplemental agreement.
3. A Request for Technical Assistance (RTA) regarding buildings and structures 45 years or older that need to be included in the Constraints Mapping will be submitted to the Arkansas Department of Parks, Heritage, and Tourism (ADPHT) with the results of the Phase I Cultural Resources Survey. Any buildings or structures listed in the National Register of Historic Places (NRHP) or determined eligible for listing through SHPO review of the RTA will be displayed on the constraints maps.
4. Agency coordination shall include the US Army Corps of Engineers (USACE), US Fish and Wildlife Service (USFWS), Arkansas Division of Environmental Quality (DEQ), ADPHT, Arkansas Department of Health (ADH), and City of Conway staff.
5. Prepare and submit Tribal consultation letters to ARDOT and FHWA for consultation with the appropriate Tribes.
6. Hazardous materials database review.

5.2.3. Location and/or Design Alternatives

1. Review conceptual design of all location and/or design alternatives, which will include but not be limited to major drainage structures and construction techniques. Development of the alternatives shall include early and continuous coordination with the design team,

Client, and appropriate resource agencies, if necessary. Electronic copies of the design shall be furnished to the Client in Bentley MicroStation “DGN” format. One alternative will be described in the Categorical Exclusion.

2. The Consultant shall work to avoid and/or minimize environmental impacts, as appropriate. If impacts cannot be avoided, then the impacts shall be minimized. Mitigation for impacts should occur as a last option.
3. Reasonable and feasible alternatives shall be submitted for review by the Client and a determination will be made as it pertains to impacts consistent with a Categorical Exclusion.

5.2.4. Environmental Public Involvement

1. Coordinate with the Client and ARDOT on timing of the virtual meeting or in-person meeting.
2. Prepare public involvement virtual displays and website creation for review by the Client and ARDOT.
3. All coordination necessary for a virtual public meeting including:
 - a. Publishing the virtual public meeting website and meeting materials.
 - b. Publish and pay for public notices and including newspaper display adds.
 - c. Provide Spanish translation for the virtual public meeting website and outreach materials.
4. Prepare a synopsis of the public meeting; review and respond to public comments as needed; and submit Title VI report.

5.2.5. Environmental Document

1. Prepare a Tier 3 Categorical Exclusion (CE) that will meet ARDOT and Federal Highway Administration (FHWA) standards in accordance with the National Environmental Policy Act (NEPA).
2. Submit draft environmental documents in electronic format, submitting the document in Word and pdf forms for review by the Client and ARDOT.
3. Perform alterations necessary to respond to comments made in the Client and ARDOT reviews.
4. Submit final drafts to the Client, then ARDOT for FHWA review/approval.
5. An electronic copy of the approved environmental document in pdf form will be provided to the Client.

5.2.6. Construction Plan Review, Special Provisions, and Permitting

1. Coordinate and obtain appropriate federal and state permits and clearances (Section 106, Section 404, Section 401, STAA, Section 7, etc.) necessary for environmental clearance and to construct the proposed project in compliance design procedures.
2. Prepare special provisions related to environmental commitments and protection.
3. If an Individual Section 404 permit and mitigation planning is required, these services can be performed under a supplemental agreement.
4. Prepare and complete coordination with DEQ regarding approval of a construction stormwater pollution prevention plan.

(NOTE: Close coordination should be maintained with the Environmental Division to ensure that all aspects of the environmental process meet the Department approval. This includes approval of deliverables and dates of delivery for each task).

6. Landscape Architecture and Lighting

Garver will subcontract with RDG Planning & Design for Landscape Architecture and Lighting design. The specific scope for these services is included in the attached scope of services provided by RDG Planning & Design. These items shall be made a part of these Appendix A Scope of Services.

7. Conceptual Design

The conceptual design phase submittal will include three separate construction plan sets. Plan sets will include typical sections, street plan & profiles, sidewalk/trail layouts, adjacent parking lot adjustments, drainage improvements, pavement markings, signal pole layouts, overhead utility relocation route alternative exhibit and an opinion of probable construction cost. A drainage study will be performed for the College Avenue portion of the project to determine improvements to meet current City standards. A drainage report will be prepared that summarizes the calculations and needed improvements. This conceptual submittal will be for the purpose of coordinating the proposed improvements with the City and the utility companies and developing an order of magnitude cost estimate for the project. Garver will incorporate comments from the Owner in the Preliminary Design. Garver will proceed with Preliminary Design after the Conceptual Design is approved by the Owner in writing.

8. Preliminary Design

Upon receiving written approval from City on Conceptual Design, Garver will begin Preliminary Design. In addition to the specific items listed in the Conceptual Design, the Preliminary Design phase submittal will include the layout for any necessary retaining walls.

In addition, an opinion of probable construction cost will be submitted with the Preliminary Phase submittal. The preliminary design phase will represent approximately 60 percent of final construction contract plans. This submittal will not include technical specifications or “front end” contract documents. Garver will incorporate comments from the Owner on the Preliminary Design in the Final Design. Garver will proceed with Final Design after the Preliminary Design is approved by the Owner in writing.

8.1. School Avenue

Signal modifications and wheelchair ramp improvements at the existing School Avenue intersection at MLK, Jr. Intersection will include pedestrian signals for the west and south approaches and wheelchair ramp updates on all corners. At the Razorback Greenway, modifications to the existing HAWK signal include replacing one mast arm pole to accommodate lane shifts. Standard details and a plan sheet showing the solar powered RRFB near 11th Street will be provided.

8.2. College Avenue North of Green Acres Road

A new traffic signal and wheelchair ramp improvements will be designed at the College Avenue at Poplar Street intersection. Pedestrian crossings with RRFB will be designed along College Avenue at the relocated Green Acres Road intersection.

8.3. College Avenue South of Green Acres Road

Signalization and wheelchair ramp improvements as needed at the existing College Avenue signalized intersections at Evelyn Hills entrance (Memorial) and Sycamore Street. Pedestrian crossing with RRFB will be designed along College Avenue at the southern VA Hospital entrance.

9. Final Design

Once Garver receives written approval from Owner on Preliminary Design, Garver will begin Final Design. During the final design phase of the project, Garver will conduct final designs to prepare construction plans and specifications, for three construction contracts, including final construction details and quantities, special provisions, and opinion of probable construction cost. Garver will also make any needed plan changes as a result of the final field inspection and/or special easement acquisition considerations, and prepare the construction documents as required to advertise for bids.

Garver will also prepare, submit, and coordinate approval of three separate Stormwater Pollution Prevention Plans (SWPPP) with ADEQ.

10. Property Acquisition Documents

Property acquisition document preparation is currently excluded from the scope of services and may be added at a later date once the level of effort has been determined based on the design.

11. Bidding Services

During the bidding phase of the project, Garver will perform the following for a maximum of three (3) separate projects to be bid under this agreement:

- A. Prepare and submit Advertisement for Bids for publication as directed by the Owner. Owner will pay advertising costs outside of this contract.
- B. Support the contract documents by preparing addenda as appropriate.
- C. Participate in three (3) pre-bid meetings if necessary.
- D. Attend the bid openings.
- E. Prepare bid tabulations.
- F. Evaluate bids and recommend award.
- G. Prepare construction contracts.

12. Construction Phase Services

Construction Phase services are currently excluded from the scope of services but may be added at a future date by amendment.

13. Project Deliverables

The following will be submitted to the Owner, or others as indicated, by Garver:

- A. Digital copy of the Environmental NEPA Document.
- B. Public Involvement Exhibits.
- C. Digital copy of the Conceptual Designs with opinion of probable construction cost.
- D. Digital copy of the College Avenue Drainage Report
- E. Digital copy of the Preliminary Designs with opinion of probable construction cost.
- F. Digital copy of the Preliminary Plans to each potentially affected utility company.
- G. Digital copy of the Final Design with opinion of probable construction cost.
- H. Three hard copies of the revised Final Design with opinion of probable construction cost.
- I. Digital copy of the revised Final Plans to each potentially affected utility company.
- J. Three hard copies of the Final Plans and Specifications to the Contractor.
- K. Digital copies of the right-of-way and/or easement acquisition documents.
- L. Electronic files as requested.

14. Extra Work

The following items are not included under this agreement but will be considered as extra work:

- A. Redesign for the Owner's convenience or due to changed conditions after previous alternate direction and/or approval.
- B. Submittals or deliverables in addition to those listed herein.
- C. Geotechnical Services including pavement design.
- D. ARDOT Survey/Drawings.
- E. Design of any utilities relocation other than for minor water and sewer adjustments.
- F. Design of a new Sublett Creek Crossing of College Avenue.
- G. Construction phase services.
- H. Environmental Handling and Documentation beyond what is specified in the scope of services.
- I. Development of a HEC-RAS and HEC-HMS models for Sublett Creek. Coordination with FEMA and preparation/submittal of a CLOMR and/or LOMR.

Extra Work will be as directed by the Owner in writing for an addition fee as agreed upon by the Owner and Garver.

15. Schedule

Garver shall begin work under this Agreement within ten (10) days of a Notice to Proceed and shall complete the work in accordance with the schedule below:

Phase Description	Calendar Days
Surveys – Utilities and Property	75 days from Notice to Proceed
NEPA Documentation (Project portion with State/Federal Funds only)	150 days from Notice to Proceed
Conceptual Design	120 days from Notice to Proceed
Preliminary Design	90 days from approval of Conceptual Design
Final Design	60 days from approval of Preliminary Design
Property Acquisition Documents	60 days from approval of Final Design



Exhibit B
City of Fayetteville
School/College Avenue Corridor Improvements
Garver Hourly Rate Schedule: July 2021 - June 2022

Classification	Rates
Engineers / Architects	
E-1.....	\$ 114.00
E-2.....	\$ 132.00
E-3.....	\$ 160.00
E-4.....	\$ 187.00
E-5.....	\$ 228.00
E-6.....	\$ 280.00
E-7.....	\$ 373.00
Planners / Environmental Specialist	
P-1.....	\$ 137.00
P-2.....	\$ 172.00
P-3.....	\$ 209.00
P-4.....	\$ 239.00
P-5.....	\$ 273.00
P-6.....	\$ 316.00
P-7.....	\$ 390.00
Designers	
D-1.....	\$ 106.00
D-2.....	\$ 124.00
D-3.....	\$ 148.00
D-4.....	\$ 172.00
Technicians	
T-1.....	\$ 83.00
T-2.....	\$ 105.00
T-3.....	\$ 128.00
Surveyors	
S-1.....	\$ 51.00
S-2.....	\$ 68.00
S-3.....	\$ 91.00
S-4.....	\$ 130.00
S-5.....	\$ 172.00
S-6.....	\$ 196.00
2-Man Crew (Survey).....	\$ 208.00
3-Man Crew (Survey).....	\$ 259.00
2-Man Crew (GPS Survey).....	\$ 228.00
3-Man Crew (GPS Survey).....	\$ 279.00
Construction Observation	
C-1.....	\$ 100.00
C-2.....	\$ 129.00
C-3.....	\$ 158.00
C-4.....	\$ 194.00
C-5.....	\$ 232.00
Management/Administration	
M-1.....	\$ 381.00
X-1.....	\$ 65.00
X-2.....	\$ 89.00
X-3.....	\$ 123.00
X-4.....	\$ 157.00
X-5.....	\$ 193.00
X-6.....	\$ 238.00
X-7.....	\$ 287.00
X-8.....	\$ 359.00
X-9.....	\$ 433.00

Exhibit B

City of Fayetteville School/College Avenue Corridor Improvements

TOTAL FEE SUMMARY

Title I Service	Original Estimated Fees	Amendment No.1 Estimated Fees	Total Estimated Fees
Programming	\$ 224,350.00	\$ (19,200.00)	\$ 205,150.00
School Avenue (MLK Jr. Blvd. to 15th Street)	\$ -	\$ 306,660.00	\$ 306,660.00
College Avenue (North St. to Green Acres Rd.)	\$ -	\$ 457,965.00	\$ 457,965.00
College Avenue (Green Acres Rd. to Township St.)	\$ -	\$ 230,810.00	\$ 230,810.00
Subtotal for Title I Service	\$ 224,350.00	\$ 976,235.00	\$ 1,200,585.00

Exhibit B

City of Fayetteville School/College Avenue Corridor Improvements

FEE SUMMARY - SCHOOL AVENUE (MLK JR. BLVD. TO 15TH ST.)

Title I Service	Amendment No. 1 Estimated Fees	
Utility Locates (ARKUPS)	\$	7,520.00
Property Title (WACO)	\$	-
Surveying	\$	25,800.00
Environmental	\$	2,850.00
Design Meetings	\$	26,670.00
	Garver	\$ 13,300.00
	RDG	\$ 13,370.00
Conceptual Design	\$	57,720.00
	Civil Engineering (Garver)	\$ 32,970.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 24,750.00
Signalization Design	\$	44,330.00
Preliminary Design	\$	78,610.00
	Civil Engineering (Garver)	\$ 48,230.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 30,380.00
Final Design	\$	55,170.00
	Civil Engineering (Garver)	\$ 43,210.00
	Landscape Architecture (RDG)	\$ 11,960.00
Property Acquisition - (EXCLUDED)	\$	-
Bidding	\$	7,990.00
	Garver	\$ 3,250.00
	RDG	\$ 4,740.00
Subtotal for School Avenue (MLK Jr. Blvd. to 15th Street)	\$	306,660.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

SURVEYS - SCHOOL AVENUE (MLK JR. BLVD. TO 15TH STREET)

WORK TASK DESCRIPTION	E-3	S-5	S-4	S-3	2-Man Crew (Survey)	2-Man Crew (GPS Survey)	T-2
	\$160.00	\$172.00	\$130.00	\$91.00	\$208.00	\$228.00	\$105.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination		2					
Quality Control Review		2					
Submittals to Client		1	1				
Subtotal - Project Management	0	5	1	0	0	0	0
2. Topographic Survey							
Establish Horizontal and Vertical Control Points		2	2		2	8	
Utility Locates		2	2	4	8	40	
Topographic Surveys		1	1		2	8	
Data Processing/Preparation		2	32				
Subtotal - Topographic Survey	0	7	37	4	12	56	0
3. Property Survey							
Survey Layout Map							
Property Surveys							
Establish Existing Right of way		4	8	12			
Data Processing/Preparation							
Subtotal - Property Survey	0	4	8	12	0	0	0

Hours	0	16	46	16	12	56	0
Salary Costs	\$0.00	\$2,752.00	\$5,980.00	\$1,456.00	\$2,496.00	\$12,768.00	\$0.00

SUBTOTAL - SALARIES: \$25,452.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$40.00
Survey Supplies	\$25.00
Travel Costs	\$283.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$348.00

TOTAL FEE: \$25,800.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

ENVIRONMENTAL - SCHOOL AVENUE (MLK JR. BLVD. TO 15TH ST.)

WORK TASK DESCRIPTION	E-6	E-5	P-4	P-3	P-2	P-1	T-1	X-3	X-2
	\$280.00 hr	\$228.00 hr	\$239.00 hr	\$209.00 hr	\$172.00 hr	\$137.00 hr	\$83.00 hr	\$123.00 hr	\$89.00 hr
1. Project Management									
Administration and Coordination					1				
Quality Control Review			1		1				
Submittals to Client					1				
Subtotal - Project Management	0	0	1	0	3	0	0	0	0
2. Environmental									
SWPPP					2	10	2		
Subtotal - Environmental	0	0	0	0	2	10	2	0	0
Hours	0	0	1	0	5	10	2	0	0
Salary Costs	\$0.00	\$0.00	\$239.00	\$0.00	\$860.00	\$1,370.00	\$166.00	\$0.00	\$0.00

SUBTOTAL - SALARIES: \$2,635.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$5.00
Postage/Freight/Courier	\$5.00
Permitting Fees (SWPPP)	\$200.00
Travel Costs	\$5.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$215.00

TOTAL FEE: \$2,850.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

CONCEPTUAL DESIGN - SCHOOL AVENUE (MLK JR. BLVD. TO 15TH ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination	6		8				
Quality Control Review	5		4				
Subtotal - Project Management	11	0	12	0	0	0	0
2. Civil Engineering							
Conceptual Plans							
Base Plan Setup			4				3
Typical Sections			2			8	3
Sidewalk/Parking Lot Layout Review	2		5			2	
Street Improvements - Plan & Profiles	3		12			40	50
Driveways			2			2	1
School Avenue Drainage Modifications			3			12	4
Conceptual Pavement Markings	2		4			5	2
Utility Relocation Route Alternatives	1		6				2
Utility Companies Coordination			6				
Coordination with ARDOT			4				
Coordination with City	2		4				
Quantities			2			5	
Opinion of Probable Construction Cost			2			4	
Subtotal - Civil Engineering	10	0	56	0	0	78	65

Hours	21	0	68	0	0	78	65
Salary Costs	\$5,880.00	\$0.00	\$12,716.00	\$0.00	\$0.00	\$8,892.00	\$5,395.00

SUBTOTAL - SALARIES: \$32,883.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$70.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$17.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$87.00

TOTAL FEE: \$32,970.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

SIGNALIZATION DESIGN - SCHOOL AVE (MLK JR. BLVD. TO 15TH ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination			1				
Quality Control Review	1		1				
Submittals to Client			1				
Subtotal - Project Management	1	0	3	0	0	0	0
2. Preliminary (1 Signal Mod, 1 HAWK Mod, 1 RRFB)							
Site Visit						4	
Traffic Signal Notes						1	
Street Name Signs					2	2	
Signal Layout (Reference File) (Includes HAWK)			2		20	6	
60 Scale Sheets			2		10	10	
40 Scale Sheets			2		4	10	
Wiring Diagrams			2		8	6	
Charts Sheets			2		4	10	
Wheelchair Ramp Layout and Details	2		4		12	8	
RRFB Standard Details and Plan Sheet			1			1	
Summary of Quantities	2		2		4	12	
Conduit Capacity Calculations			2			2	
Plan Check	10		10		8		
Plan Submittal and Corrections	1		2		12	12	
Subtotal - Preliminary (1 Signal Mod, 1 HAWK Mod, 1 RRFB)	15	0	31	0	84	84	0
3. Final (1 Signal Mod, 1 HAWK Mod, 1 RRFB)							
Signal Plan Updates			2		6	12	
RRFBs Update						1	
Quantity Updates	4		4		4		
Special Provisions			2		2		
Construction Cost Estimate	4		4				
Plan Check	4		4				
Plan Submittal and Corrections	4		4		4	8	
Subtotal - Final (1 Signal Mod, 1 HAWK Mod, 1 RRFB)	16	0	20	0	16	21	0

Hours 32 0 54 0 100 105 0

Salary Costs \$8,960.00 \$0.00 \$10,098.00 \$0.00 \$13,200.00 \$11,970.00 \$0.00

SUBTOTAL - SALARIES: \$44,228.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly \$17.00
 Postage/Freight/Courier \$0.00
 Travel Costs \$85.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$102.00

TOTAL FEE: \$44,330.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

PRELIMINARY DESIGN - SCHOOL AVENUE (MLK JR. BLVD. TO 15TH ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination	8		8				
Quality Control Review	6		6				
Subtotal - Project Management	14	0	14	0	0	0	0
2. Civil Engineering							
Preliminary Plans							
Typical Sections			1			3	1
Sidewalk/Parking Lot Layout & Grading	3		15			40	25
Street Plan & Profile Sheets	2		20			50	30
Driveways			4			6	8
Parking Lot Drainage Improvements	1		5			10	5
Drainage Modifications			4			10	5
Pavement Marking/Street Signage Plans	1		4			8	3
Address City/ARDOT Review Comments	1		6			10	6
Coordination with Utility Companies	1		6				
Coordination with City	2		4				
Coordination with ARDOT	1		4				
Quantities			3			6	
Opinion of Probable Construction Cost	1		1			3	
Subtotal - Civil Engineering	13	0	77	0	0	146	83
Hours	27	0	91	0	0	146	83
Salary Costs	\$7,560.00	\$0.00	\$17,017.00	\$0.00	\$0.00	\$16,644.00	\$6,889.00

SUBTOTAL - SALARIES: \$48,110.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$100.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$120.00

TOTAL FEE: \$48,230.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

FINAL DESIGN - SCHOOL AVENUE (MLK JR. BLVD. TO 15TH ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$292.00 hr	\$238.00 hr	\$195.00 hr	\$167.00 hr	\$138.00 hr	\$119.00 hr	\$87.00 hr
1. Project Management							
Administration and Coordination	6		6				
Quality Control Review	4		6				
Subtotal - Project Management	10	0	12	0	0	0	0
2. Civil Engineering							
Final Plans							
Typical Sections			1			2	1
Sidewalks/Parking Lot Layout & Grading	1		3			20	10
Street Plan & Profile Sheets	1		10			20	20
Driveways	1		3			5	5
Parking Lot Drainage Improvements	1		3			6	2
Drainage Modifications			3			5	4
Pavement Markings & Signage Plans	1		2			5	4
Water & Sewer Adjustments			2			6	4
Typical Details			1			3	4
Special Details	1		2			5	5
Erosion Control Plans			2			8	6
Address City/ARDOT Review Comments	1		4			8	6
Coordination with Utility Companies	1		8				
Coordination and Meetings with City	3		6				
Coordination with ARDOT	1		5				
Specifications/Contract Documents	1		10			8	
Quantities			6			8	
Opinion of Probable Construction Cost			2			4	
Subtotal - Civil Engineering	13	0	73	0	0	113	71

Hours	23	0	85	0	0	113	71
Salary Costs	\$6,716.00	\$0.00	\$16,575.00	\$0.00	\$0.00	\$13,447.00	\$6,177.00

SUBTOTAL - SALARIES: \$42,915.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$75.00
ADH Review Fees	\$200.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$295.00

TOTAL FEE: \$43,210.00

Exhibit B

City of Fayetteville School/College Avenue Corridor Improvements

FEE SUMMARY - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

Title I Service	Amendment No. 1 Estimated Fees	
<i>Utility Locates (ARKUPS)</i>	\$	2,000.00
<i>Property Title (WACO)</i>	\$	15,750.00
Surveying	\$	85,550.00
Environmental	\$	38,350.00
Design Meetings	\$	33,060.00
	Garver	\$ 18,800.00
	RDG	\$ 14,260.00
Conceptual Design	\$	68,020.00
	Civil Engineering (Garver)	\$ 41,600.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 26,420.00
Signalization Design	\$	44,330.00
Preliminary Design	\$	90,660.00
	Civil Engineering (Garver)	\$ 58,200.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 32,460.00
Final Design	\$	70,900.00
	Civil Engineering (Garver)	\$ 58,150.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 12,750.00
Property Acquisition - (EXCLUDED)	\$	-
Bidding	\$	9,345.00
	Garver	\$ 4,340.00
	RDG	\$ 5,005.00
Subtotal for College Avenue (North St. to Green Acres Rd.)	\$	457,965.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

SURVEYS - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-3	S-5	S-4	S-3	2-Man Crew (Survey)	2-Man Crew (GPS Survey)	T-2
	\$160.00 hr	\$172.00 hr	\$130.00 hr	\$91.00 hr	\$208.00 hr	\$228.00 hr	\$105.00 hr
1. Project Management							
Administration and Coordination		2					
Quality Control Review		2					
Submittals to Client		1	1				
Subtotal - Project Management	0	5	1	0	0	0	0
2. Topographic Survey							
Establish Horizontal and Vertical Control Points		2	2		2	8	
Utility Locates (New Utilities not in McClelland Survey)		2	2	4	4	16	
Topographic Surveys		1	1		2	8	
Data Processing/Preparation		2	20				20
Subtotal - Topographic Survey	0	7	25	4	8	32	20
3. Property Survey							
Survey Layout Map		4					
Property Surveys		10	10		20	120	
Establish Existing Right of way		4	8		12		
Data Processing/Preparation		60	140				
Subtotal - Property Survey	0	78	158	0	32	120	0

Hours	0	90	184	4	40	152	20
Salary Costs	\$0.00	\$15,480.00	\$23,920.00	\$364.00	\$8,320.00	\$34,656.00	\$2,100.00

SUBTOTAL - SALARIES: \$84,840.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$40.00
Survey Supplies	\$25.00
Travel Costs	\$645.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$710.00

TOTAL FEE: \$85,550.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

ENVIRONMENTAL - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-6	E-5	P-4	P-3	P-2	P-1	T-1	X-3	X-2
	\$280.00 hr	\$228.00 hr	\$239.00 hr	\$209.00 hr	\$172.00 hr	\$137.00 hr	\$83.00 hr	\$123.00 hr	\$89.00 hr
1. Project Management									
Administration and Coordination					1				
Quality Control Review			1		1				
Submittals to Client					1				
Subtotal - Project Management	0	0	1	0	3	0	0	0	0
2. Environmental									
Environmental Data Collection					2	6			
Constraints mapping					32	6			
Wetland delineation and report					2	10			
Noise study (NA)									
Agency and Tribal Coordination/letters					2	8			
Design Alternatives Coordination					2	2	2		
4(f) De minimis evaluation & coordination (NA)									
Tier 3 CE Environmental Document									
Draft CE preparation and submittal			1		6	16			
Revisions to CE draft					1	8			
Final CE preparation and submittal			1		2	8			
Construction Plan Review and Special Provisions					2	2	2		
SWPPP					2	10	2		
Subtotal - Environmental	0	0	2	0	53	76	6	0	0
3. Public Involvement									
Virtual public meeting preparation, websites (incl. Spanish), flyers, radio & newspaper ads			1		6	2		20	55
Coordination with Client and ARDOT			1		1	1		2	
PI synopsis			1		1	8		2	4
Subtotal - Public Involvement	0	0	3	0	8	11	0	24	59
Hours	0	0	6	0	64	87	6	24	59
Salary Costs	\$0.00	\$0.00	\$1,434.00	\$0.00	\$11,008.00	\$11,919.00	\$498.00	\$2,952.00	\$5,251.00

SUBTOTAL - SALARIES: \$33,062.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$60.00
Postage/Freight/Courier	\$18.00
Legal Advertisements - Public Meeting Newspaper Ad	\$1,000.00
Permitting Fees (SWPPP)	\$200.00
Travel Costs	\$10.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$1,288.00

SUBTOTAL: \$34,350.00

SUBCONSULTANTS FEE: \$4,000.00 Flat Earth - Cultural & Historic Resources

TOTAL FEE: \$38,350.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

DESIGN MEETINGS - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-6	E-4	E-3	E-1	T-1	P-1	P-2
	\$280.00	\$187.00	\$160.00	\$114.00	\$83.00	\$137.00	\$172.00
	hr	hr	hr	hr	hr	hr	hr
1. Public Involvement							
Kick-Off Meeting	1	2				2	
Progress Meetings	3	4				4	
Stakeholder Meetings (N College 24 property owner contacts)	1	2				42	
Review Meetings	2	2				2	
Transportation Committee Meetings (2 each)	2	2		3	2	2	
Arts Council Meetings (1 each)	1	1				1	
Public Involvement Meetings (2 each)	3	6		6	3	15	
Active Transportation Committee Meeting (1 each)	1					1	
Subtotal - Public Involvement	14	19	0	9	5	69	0

Hours	14	19	0	9	5	69	0
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Salary Costs	\$3,920.00	\$3,553.00	\$0.00	\$1,026.00	\$415.00	\$9,453.00	\$0.00
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SUBTOTAL - SALARIES: \$18,367.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$400.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$33.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$433.00

SUBTOTAL: \$18,800.00

SUBCONSULTANTS FEE: (RDG Planning & Design) \$0.00

TOTAL FEE: \$18,800.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

CONCEPTUAL DESIGN - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination	8		8				
Quality Control Review	6		4				
Subtotal - Project Management	14	0	12	0	0	0	0
2. Civil Engineering							
Conceptual Plans							
Base Plan Setup			4				3
Typical Sections	1		2			6	3
Sidewalk/Parking Lot Layout Review	2		6			3	
Street Improvements - Plan & Profiles	3		16			40	60
Driveways	1		3			3	2
College Avenue Drainage Modifications	1		4			12	4
Conceptual Pavement Markings	1		4			6	3
Utility Relocation Route Alternatives	2		8				3
Utility Companies Coordination	1		8				
Coordination with ARDOT	4		12				
Coordination with City	2		4				
Quantities			3			8	
Opinion of Probable Construction Cost	1		2			4	
Subtotal - Civil Engineering	19	0	76	0	0	82	78

Hours	33	0	88	0	0	82	78
Salary Costs	\$9,240.00	\$0.00	\$16,456.00	\$0.00	\$0.00	\$9,348.00	\$6,474.00

SUBTOTAL - SALARIES: \$41,518.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$62.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$82.00

TOTAL FEE: \$41,600.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

PRELIMINARY DESIGN - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination	8		8				
Quality Control Review	6		8				
Subtotal - Project Management	14	0	16	0	0	0	0
2. Civil Engineering							
Preliminary Plans							
Typical Sections			2			3	2
Sidewalk/Parking Lot Layout & Grading	2		15			40	30
Street Plan & Profile Sheets	2		20			50	40
Driveways	1		4			8	8
Parking Lot Drainage Improvements			6			10	6
College Ave. Drainage Modifications	1		4			10	5
Pavement Marking/Street Signage Plans	2		4			8	4
Address City/ARDOT Review Comments	2		8			16	8
Coordination with Utility Companies	1		8				
Coordination with City	2		4				
Coordination with ARDOT	3		12				
Quantities			3			8	
Opinion of Probable Construction Cost	1		2			3	
Subtotal - Civil Engineering	17	0	92	0	0	156	103
3. Structural Engineering							
Retaining Wall Layout			2			16	8
Subtotal - Structural Engineering	0	0	2	0	0	16	8
Hours	31	0	110	0	0	172	111
Salary Costs	\$8,680.00	\$0.00	\$20,570.00	\$0.00	\$0.00	\$19,608.00	\$9,213.00

SUBTOTAL - SALARIES: \$58,071.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$100.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$29.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$129.00

TOTAL FEE: \$58,200.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

SIGNALIZATION DESIGN - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination			1				
Quality Control Review	1		1				
Submittals to Client			1				
Subtotal - Project Management	1	0	3	0	0	0	0
2. Preliminary (2 Signal Mod, 1 RRFB)							
Site Visit						4	
Traffic Signal Notes						1	
Street Name Signs					2	2	
Signal Layout (Reference File)			2		20	6	
60 Scale Sheets			2		10	10	
40 Scale Sheets			2		4	10	
Wiring Diagrams			2		8	6	
Charts Sheets			2		4	10	
Wheelchair Ramp Layout and Details	2		4		12	8	
RRFBs			1			1	
Summary of Quantities	2		2		4	12	
Conduit Capacity Calculations			2			2	
Plan Check	10		10		8		
Plan Submittal and Corrections	1		2		12	12	
Subtotal - Preliminary (2 Signal Mod, 1 RRFB)	15	0	31	0	84	84	0
3. Final (2 Signal Mod, 1 RRFB)							
Signal Plan Updates			2		6	12	
RRFBs Update						1	
Quantity Updates	4		4		4		
Special Provisions			2		2		
Construction Cost Estimate	4		4				
Plan Check	4		4				
Plan Submittal and Corrections	4		4		4	8	
Subtotal - Final (2 Signal Mod, 1 RRFB)	16	0	20	0	16	21	0

Hours	32	0	54	0	100	105	0
Salary Costs	\$8,960.00	\$0.00	\$10,098.00	\$0.00	\$13,200.00	\$11,970.00	\$0.00

SUBTOTAL - SALARIES: \$44,228.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$17.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$85.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$102.00

TOTAL FEE: \$44,330.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

FINAL DESIGN - COLLEGE AVENUE (NORTH ST. TO GREEN ACRES RD.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$292.00 hr	\$238.00 hr	\$195.00 hr	\$167.00 hr	\$138.00 hr	\$119.00 hr	\$87.00 hr
1. Project Management							
Administration and Coordination	8		8				
Quality Control Review	4		8				
Subtotal - Project Management	12	0	16	0	0	0	0
2. Civil Engineering							
Final Plans							
Typical Sections			2			3	1
Sidewalks/Parking Lot Layout & Grading	2		3			20	10
Street Plan & Profile Sheets	2		10			20	20
Driveways	1		3			6	6
Parking Lot Drainage Improvements	1		3			8	3
Drainage Modifications	1		3			5	4
Pavement Markings & Signage Plans	2		2			6	4
Water & Sewer Adjustments			3			8	4
Typical Details			1			3	4
Special Details	1		3			6	6
Erosion Control Plans			3			8	8
Address City/ARDOT Review Comments	3		4			14	8
Coordination with Utility Companies	2		8				
Coordination and Meetings with City	3		8				
Coordination with ARDOT	3		15				
Specifications/Contract Documents	1		10			6	
Quantities			8			8	
Opinion of Probable Construction Cost	1		3			4	
Subtotal - Civil Engineering	23	0	92	0	0	125	78
3. Structural Engineering							
Retaining Wall Layout/Elevations			10			16	12
Subtotal - Structural Engineering	0	0	10	0	0	16	12

Hours	35	0	118	0	0	141	90
Salary Costs	\$10,220.00	\$0.00	\$23,010.00	\$0.00	\$0.00	\$16,779.00	\$7,830.00

SUBTOTAL - SALARIES: \$57,839.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$75.00
ADH Review Fees	\$200.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$36.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$311.00

TOTAL FEE: \$58,150.00

Exhibit B

City of Fayetteville School/College Avenue Corridor Improvements

FEE SUMMARY - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

Title I Service	Amendment No. 1 Estimated Fees	
Utility Locates (ARKUPS)	\$	2,000.00
Property Title (WACO)	\$	-
Surveying	\$	21,510.00
Environmental	\$	6,250.00
Design Meetings	\$	22,180.00
	Garver	\$ 15,500.00
	RDG	\$ 6,680.00
Conceptual Design	\$	45,640.00
	Civil Engineering (Garver)	\$ 33,260.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 12,380.00
Signalization Design	\$	22,990.00
Preliminary Design	\$	59,380.00
	Civil Engineering (Garver)	\$ 44,150.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 15,230.00
Final Design	\$	45,275.00
	Civil Engineering (Garver)	\$ 39,300.00
	Landscape Architecture, Lighting, Planning (RDG)	\$ 5,975.00
Property Acquisition - (EXCLUDED)	\$	-
Bidding	\$	5,585.00
	Garver	\$ 3,250.00
	RDG	\$ 2,335.00
Subtotal for College Avenue (Green Acres Rd. to Township St.)	\$	230,810.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

SURVEYS - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

WORK TASK DESCRIPTION	E-3	S-5	S-4	S-3	2-Man Crew (Survey)	2-Man Crew (GPS Survey)	T-2
	\$160.00	\$172.00	\$130.00	\$91.00	\$208.00	\$228.00	\$105.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination		3					
Quality Control Review		2					
Submittals to Client		1	1				
Subtotal - Project Management	0	6	1	0	0	0	0
2. Topographic Survey							
Establish Horizontal and Vertical Control Points		2	2		2	8	
Utility Locates (New Utilities not in McClelland Survey)		2	2	4	4	16	
Topographic Surveys		1	1		2	8	
Data Processing/Preparation		2	20				20
Subtotal - Topographic Survey	0	7	25	4	8	32	20
3. Property Survey							
Survey Layout Map							
Property Surveys							
Establish Existing Right of way		4	8		12		
Data Processing/Preparation							
Subtotal - Property Survey	0	4	8	0	12	0	0

Hours	0	17	34	4	20	32	20
Salary Costs	\$0.00	\$2,924.00	\$4,420.00	\$364.00	\$4,160.00	\$7,296.00	\$2,100.00

SUBTOTAL - SALARIES: \$21,264.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$40.00
Survey Supplies	\$25.00
Travel Costs	\$181.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$246.00

TOTAL FEE: \$21,510.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

ENVIRONMENTAL - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

WORK TASK DESCRIPTION	E-6	E-5	P-4	P-3	P-2	P-1	T-1	X-3	X-2
	\$280.00 hr	\$228.00 hr	\$239.00 hr	\$209.00 hr	\$172.00 hr	\$137.00 hr	\$83.00 hr	\$123.00 hr	\$89.00 hr
1. Project Management									
Administration and Coordination					1				
Quality Control Review			1		1				
Submittals to Client					1				
Subtotal - Project Management	0	0	1	0	3	0	0	0	0
2. Environmental									
Wetland delineation and report					1	6			
Environmental Permit Applications (404 NWP, STAA, SWPPP)			2		4	20	2		
Subtotal - Environmental	0	0	2	0	5	26	2	0	0
Hours	0	0	3	0	8	26	2	0	0
Salary Costs	\$0.00	\$0.00	\$717.00	\$0.00	\$1,376.00	\$3,562.00	\$166.00	\$0.00	\$0.00

SUBTOTAL - SALARIES: \$5,821.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$40.00
Postage/Freight/Courier	\$19.00
Legal Advertisements - Public Meeting Newspaper Ad	\$0.00
Permitting Fees (NWP, SWPPP, STAA)	\$350.00
Travel Costs	\$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$429.00

TOTAL FEE: \$6,250.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

CONCEPTUAL DESIGN - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination	6		8				
Quality Control Review	5		4				
Subtotal - Project Management	11	0	12	0	0	0	0
2. Civil Engineering							
Conceptual Plans							
Base Plan Setup			4				2
Typical Sections			2			6	2
Sidewalk/Parking Lot Layout Review	2		5			3	
Street Improvements - Plan & Profiles	2		12			40	50
Driveways	1		3			3	1
College Avenue Drainage Modifications	1		3			12	4
Conceptual Pavement Markings	1		4			5	3
Utility Relocation Route Alternatives	1		6				3
Utility Companies Coordination	1		6				
Coordination with City	2		4				
Quantities			3			6	
Opinion of Probable Construction Cost	1		2			4	
Subtotal - Civil Engineering	12	0	54	0	0	79	65
Hours	23	0	66	0	0	79	65
Salary Costs	\$6,440.00	\$0.00	\$12,342.00	\$0.00	\$0.00	\$9,006.00	\$5,395.00

SUBTOTAL - SALARIES: \$33,183.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$60.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$17.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$77.00

TOTAL FEE: \$33,260.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

SIGNALIZATION DESIGN - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination			1				
Quality Control Review	1		1				
Submittals to Client			1				
Subtotal - Project Management	1	0	3	0	0	0	0
2. Preliminary (1 New Signals, 1 RRFB)							
Site Visit						2	
Traffic Signal Notes						1	
Street Name Signs					1	1	
Signal Layout (Reference File)			1		10	3	
60 Scale Sheets			1		5	5	
40 Scale Sheets			1		2	5	
Wiring Diagrams			1		4	3	
Charts Sheets			1		2	5	
Wheelchair Ramp Layout and Details	1		2		6	4	
RRFBs			1			1	
Summary of Quantities	1		1		2	6	
Conduit Capacity Calculations			1			1	
Plan Check	5		5		4		
Plan Submittal and Corrections	1		1		6	6	
Subtotal - Preliminary (1 New Signals, 1 RRFB)	8	0	16	0	42	43	0
3. Final (1 New Signals, 1 RRFB)							
Signal Plan Updates			1		3	6	
RRFBs Update						1	
Quantity Updates	2		2		2		
Special Provisions			1		1		
Construction Cost Estimate	2		2				
Plan Check	2		2				
Plan Submittal and Corrections	2		2		2	4	
Subtotal - Final (1 New Signals, 1 RRFB)	8	0	10	0	8	11	0

Hours	17	0	29	0	50	54	0
Salary Costs	\$4,760.00	\$0.00	\$5,423.00	\$0.00	\$6,600.00	\$6,156.00	\$0.00

SUBTOTAL - SALARIES: \$22,939.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$9.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$42.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$51.00

TOTAL FEE: \$22,990.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

PRELIMINARY DESIGN - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$280.00	\$228.00	\$187.00	\$160.00	\$132.00	\$114.00	\$83.00
	hr	hr	hr	hr	hr	hr	hr
1. Project Management							
Administration and Coordination	8		8				
Quality Control Review	4		6				
Subtotal - Project Management	12	0	14	0	0	0	0
2. Civil Engineering							
Preliminary Plans							
Typical Sections			1			2	1
Sidewalk/Parking Lot Layout & Grading	3		10			40	25
Street Plan & Profile Sheets	2		20			40	30
Driveways	1		4			6	8
Parking Lot Drainage Improvements	1		5			10	5
College Ave. Drainage Modifications	1		4			10	5
Pavement Marking/Street Signage Plans	1		4			8	3
Address City/ARDOT Review Comments	1		6			10	6
Coordination with Utility Companies			6				
Coordination with City	2		4				
Coordination with ARDOT							
Quantities			2			6	
Opinion of Probable Construction Cost			1			2	
Subtotal - Civil Engineering	12	0	67	0	0	134	83
Hours	24	0	81	0	0	134	83
Salary Costs	\$6,720.00	\$0.00	\$15,147.00	\$0.00	\$0.00	\$15,276.00	\$6,889.00

SUBTOTAL - SALARIES: \$44,032.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$100.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$18.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$118.00

TOTAL FEE: \$44,150.00

Exhibit B

**City of Fayetteville
School/College Avenue Corridor Improvements**

FINAL DESIGN - COLLEGE AVENUE (GREEN ACRES RD. TO TOWNSHIP ST.)

WORK TASK DESCRIPTION	E-6	E-5	E-4	E-3	E-2	E-1	T-1
	\$292.00 hr	\$238.00 hr	\$195.00 hr	\$167.00 hr	\$138.00 hr	\$119.00 hr	\$87.00 hr
1. Project Management							
Administration and Coordination	6		6				
Quality Control Review	4		6				
Subtotal - Project Management	10	0	12	0	0	0	0
2. Civil Engineering							
Final Plans							
Typical Sections			1			2	
Sidewalks/Parking Lot Layout & Grading	1		2			20	10
Street Plan & Profile Sheets	1		10			20	20
Driveways			2			5	5
Parking Lot Drainage Improvements			2			6	3
Drainage Modifications	1		3			5	4
Pavement Markings & Signage Plans	1		2			5	4
Water & Sewer Adjustments			2			6	4
Typical Details						2	4
Special Details			2			5	5
Erosion Control Plans			2			8	6
Address City/ARDOT Review Comments			4			8	6
Coordination with Utility Companies	1		8				
Coordination and Meetings with City	2		6				
Coordination with ARDOT							
Specifications/Contract Documents			10			4	
Quantities			6			8	
Opinion of Probable Construction Cost	1		2			4	
Subtotal - Civil Engineering	8	0	64	0	0	108	71

Hours	18	0	76	0	0	108	71
Salary Costs	\$5,256.00	\$0.00	\$14,820.00	\$0.00	\$0.00	\$12,852.00	\$6,177.00

SUBTOTAL - SALARIES: \$39,105.00

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$75.00
ADH Review Fees	\$100.00
Postage/Freight/Courier	\$0.00
Travel Costs	\$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$195.00

TOTAL FEE: \$39,300.00

Scope of Services
College Avenue and South School Avenue Streetscape
Fayetteville, Arkansas
October 26th, 2021
3004.140.01

This scope of services has been developed to assist the City of Fayetteville and Garver Engineering with the College Avenue and South School Streetscape project as outlined below and the attached time task analysis. This scope includes creating separate construction documentation packages based on federal funding.

RDG will provide landscape architecture, planning, and lighting design services as required.

TASK 1. General Project Meetings

1. Kick-Off

- a. Once notice to proceed has been received, RDG will attend a kick-off meeting with the design team and City staff.

2. Progress Meetings

- a. RDG will attend progress meetings as deemed necessary by Garver. These meetings will be done virtually.

3. Stakeholder Meetings

- a. RDG will attend up to 10 stakeholder meetings via videoconferencing. This includes meetings with transit providers.

4. Review Meetings

- a. RDG will attend review meetings to receive the City's review comments from the submittals. These meetings will be in person. RDG has included 3 review meetings in the scope.

5. Transportation and Arts Council committee meetings

- a. RDG will attend up to two Transportation Committee meetings and one Arts Council Committee meeting via videoconferencing

TASK 2. Conceptual Design – 30% drawings

During this project phase, the RDG team will:

1. Attend kickoff meeting in Fayetteville.
2. Prepare various design alternatives for the recommended improvements resulting from the programming phase and prepare a 30% complete plan set that illustrates the basis of the improvements to be made.
3. Assist the engineer with a 30% OPC.
4. Develop the conceptual landscape plan, and assess the need for green infrastructure along College Avenue and South School.
5. Prepare a 30% preliminary layout plan for all back of curb items including sidewalks, landscape areas, and site amenities.
6. Select streetscape amenities to be included along the street. This includes but is not limited to bus shelters, benches, trash receptacles, planters and gateway features.
7. Review street lighting alternatives.
8. Conduct a 30% complete QA/QC of the plan set and OPC.
9. Conduct a 30% complete review meeting and project walk-through with City staff to review the street layout and landscape plan.
10. Revise the 30% conceptual plans based on comments from the review meeting and project walk-through to be used for the stakeholder group meeting.
11. Attend public open house meeting

TASK 3. Preliminary Design Phase- 60% drawings

During this project phase, the RDG team will:

Objective: Review feedback from the plan-in-hand walk-through, City comments, and group stakeholder meeting comments to prepare a 60% complete plan set that illustrates the basis of the improvements to be made.

1. Revise designs based on 30% complete comments received.
2. Assist Garver with the advancement of the street and sidewalk design into preliminary design.
3. Develop the landscape plan based on the selected alternative from the conceptual design. Develop green infrastructure plan if approved from the Concept phase.
4. Prepare a 60% preliminary layout plan for all back of curb items including sidewalks, landscape areas, and site amenities.
5. Select streetscape amenities to be included along the street. This includes but is not limited to bus shelters, benches, trash receptacles, planters and gateway features.
6. Create site details that are critical to understanding and price implications for both landscape and hardscape items.
7. Assist Garver with the selection of street lights and locations.
8. Assist Garver with the development of a grading plan.
9. Prepare an outline of technical specifications.
10. Provide to Garver an OPC of items documented by RDG to be included in a 60% complete engineer's OPC.
11. Conduct a 60% complete QA/QC of plans prepared by RDG.
12. Conduct a 60% complete review meeting with City staff to review the preliminary design documents.
13. Revise the 60% conceptual plans based on comments from the review meeting to be used for the public open house.
14. Attend 60% public open house meeting in Fayetteville.

TASK 4. Final Design – 90% and 100% Drawings

During this project phase the RDG team will:

Objective: During the 90% and 100% complete design process we will incorporate any final comments and details into the project plans and prepare for final production.

1. Revise designs based on 60% complete comments received.
2. Finalize the design for the landscape architectural improvements.
3. Review constructability of improvements and design temporary measures to allow for the construction of the improvements at all project areas while keeping businesses and residences accessible.

4. Prepare a 90% complete OPC.
5. Conduct an internal 90% complete QA/QC review of the plan set and OPC.
6. Attend a 90% complete review meeting with City staff to review the 90% complete plan set and OPC. Objective: The objective during this task is to finalize and sign and seal the plan by a Professional Engineer and specification documents in preparation for bidding and negotiation.
7. Deliverables: Deliverables for this task include three (3) sets of final plans on 11"x17" paper and electronically in pdf format. The drawing CAD files will be provided in *.dwg format.
8. Receive 90% complete comments and revise plans and specifications.
9. Create construction document set and sign and seal by engineers and landscape architect registered in the State of Arkansas.
10. Submit final drawing files in AutoCAD 2017 format (.dwg) to Garver for use by the City.

TASK 5. Bidding Phase

Objective: Solicit bidders and assist in obtaining construction bids according to state statutes.

After written authorization to proceed with the Bidding phase, the RDG team will:

1. Provide clarifications throughout the bidding period on the back of curb items documents by the RDG team.
2. Attend a pre-bid meeting in Fayetteville if needed.

Fee for Services

TASK 1 - Project Meetings –

\$32,690

<i>Landscape Architecture</i>	\$26,530
<i>Lighting Design</i>	\$ 3,300
<i>Planning</i>	\$ 2,860
<i>Estimated reimbursable</i>	

TASK 2 – Conceptual Design- 30%

\$61,930

<i>Landscape Architecture</i>	\$40,690
<i>Lighting Design</i>	\$15,000
<i>Planning</i>	\$ 6,240

TASK 3 – Preliminary Design – 60%

\$76,390

<i>Landscape Architecture</i>	\$61,630
<i>Lighting Design</i>	\$13,200
<i>Planning</i>	\$ 1,560

TASK 4 – Final Design – 90% and 100%

\$29,063

<i>Landscape Architecture</i>	\$25,313
<i>Lighting Design</i>	\$ 3,750

TASK 5 – Bidding

\$10,460

<i>Landscape Architecture</i>	\$9,260
<i>Lighting Design</i>	\$1,200

Estimated Reimbursables

\$ 8,162

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School Avenue Fee -

\$85,200

College Avenue south of Green Acres Road -

\$90,895

College Avenue north of Green Acres Road -

\$42,600

Total fee

\$218,695

Project Schedule – As defined by Garver Engineering

Scope Exclusions

Excluded from this scope of services are the following:

1. Permitting
2. LEED documentation services
3. Rezoning and/or zoning waivers deemed necessary by the planning department
4. Public utility extensions
5. Construction testing
6. Irrigation design (Performance specification will be provided)
7. Stormwater detention design
8. Arboriculture