

**RESOLUTION 24-184**

**TO APPROVE ADDENDUM NO. 1 TO PHASE 2 TASK ORDER WITH NEEL-SCHAFFER FOR THE TRAFFIC SIGNAL AT THE CLEBURNE ROAD/BEECHCROFT ROAD INTERSECTION**

**WHEREAS**, the City of Spring Hill contracted with Neel-Schaffer in March 2024 for improvements to the Cleburne Road/Beechcroft road intersection, to include a proposed traffic signal, further known as Phase 2 of the project; and

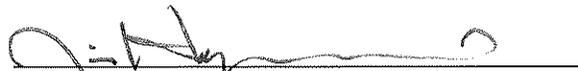
**WHEREAS**, Neel-Schaffer has submitted Addendum No. 1 for Phase 2 to add services for roadway widening improvements along a portion of Beechcroft Road, to include survey, design, bid phase assistance and ROW phase assistance; and

**WHEREAS**, the Addendum No. 1 cost is in a not-to-exceed amount of \$89,900.00 and will be expensed from the Capital Projects Fund utilizing City funds and developer contributions.

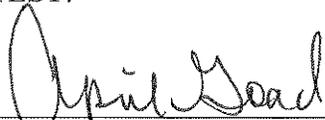
**NOW THEREFORE, BE IT RESOLVED**, that the City of Spring Hill, Board of Mayor and Aldermen:

1. Approves Addendum No. 1 to Phase 2 task order with Neel-Schaffer for the traffic signal at the Cleburne Road/Beechcroft Road intersection in the amount of \$89,900.00, as detailed in Exhibit A attached hereto.
2. Authorizes the Mayor to sign Addendum No. 1 to Phase 2 task order.

**Passed and Adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 5<sup>th</sup> day of August, 2024.**

  
\_\_\_\_\_  
Jim Hagaman, Mayor

ATTEST:

  
\_\_\_\_\_  
April Goad, City Recorder

LEGAL FORM APPROVED:

  
\_\_\_\_\_  
Patrick Carter, City Attorney

June 27, 2024



Ms. Missy Stahl, CMFO  
CIP Manager  
City of Spring Hill  
8060 Station Hill Drive  
Spring Hill, TN 37174

**RE: ON-CALL TRAFFIC ENGINEERING SERVICES  
BEEHCROFT ROAD & CLEBURNE ROAD IMPROVEMENTS – PHASE 2  
ADDENDUM 1 – BEEHCROFT ROAD WIDENING**

Dear Missy:

As requested by your office, please accept this correspondence as documentation of the referenced scope proposal for additional engineering services. The City of Spring Hill desires to include roadway widening improvements along a portion of Beechcroft Road as part of Neel-Schaffer's (NSI) existing task order for upgrades at the intersection of Beechcroft Road and Cleburne Road. The proposed widening of Beechcroft Road involves the addition of a new westbound left-turn lane at the driveway access to the planned DRG development project and related roadway modifications generally between Dr. Roberston Road and Cleburne Road. By consolidating the preliminary engineering of both improvements into a single effort, the City of Spring Hill aims to procure implementation as part of one construction project.

This scope of services serves to expand the services provided by NSI under Phase 2 of the Beechcroft Road and Cleburne Road task order. As part of Phase 1, NSI assisted the City of Spring Hill with a comprehensive traffic impact analysis to investigate and determine preferred improvements to maintain desirable operating conditions at the intersection of Beechcroft Road and Cleburne Road. Phase 2, as outlined in this task order, acts as an extension of the original effort to conduct design of the planned improvements. A traffic study prepared by others identified the need to provide a westbound left-turn lane on Beechcroft Road as part of the approval requirement for the DRG development, located in the southwest corner of the intersection of Beechcroft Road at Cleburne Road.

This addendum agreement includes the following items:

1. Exhibit A – Scope of Services
2. Exhibit B – Schedule of Fee Estimate

Terms and conditions for the addendum services remain as stated in the original agreement. NSI will provide these services on an hourly not-to-exceed fee terms basis. Based on the described scope of services, we estimate a professional fee, to be additive to the existing Phase 2 task order, as follows:

- Survey Phase – \$20,800.00
- Design Phase - \$56,600.00
- Bid Phase Assistance - \$4,500.00

P: 615.217.0500 | F: 615.383.9984

201 East Main Street, Suite 325  
Murfreesboro, TN 37130

[www.neel-schaffer.com](http://www.neel-schaffer.com)

engineers | planners | surveyors | environmental scientists | landscape architects



- ROW Phase Assistance (Legal Descriptions/Staking) - \$8,000.00 (contingency budget)

The fee for the identified additional professional survey and design services is estimated to be \$81,900.00. Fees for ROW description instruments and ROW staking, if required, by the survey subconsultant will be itemized separately as a contingency per the following terms: \$1,000.00 per tract for ROW legal description and exhibit; and ROW staking billed on hourly basis following the labor classification rate schedule attached. Total addendum fee is estimated as \$89,900.00. The city of Spring Hill will be billed monthly for services provided. Additional services, if identified during the course of work, will be negotiated and provided only with written notice from the City of Spring Hill.

If the provisions of this Letter Agreement are acceptable, please have the originals executed and return a copy to us. We appreciate the opportunity to continue to serve the city with these services. Please let us know if you should have any questions or need more information concerning the scope proposal.

Sincerely,  
**NEEL-SCHAFFER, INC.**

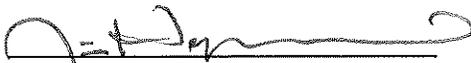


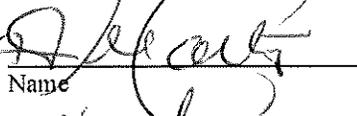
Gregory D. Judy, P.E., PTOE  
Engineer Manager - Vice President

Attachments

**ACCEPTED:**

**City of Spring Hill, TN**

By:   
Name: \_\_\_\_\_  
Mayor  
Title

As To Form:   
Name: \_\_\_\_\_  
City Attorney  
Title

*PATRICK M. CARTER*

Date: August 5, 2024



**EXHIBIT A**  
**Scope of Services**  
**On-Call Traffic Engineering Services**  
**Work Order 1 – Phase 2 – Addendum 1**

**Beechcroft Road at Cleburne Road**  
**Additional Beechcroft Road Widening Design Services**

The following scope of work outlines the additional professional services to develop Preliminary/Right-Of-Way Plans and Construction Plans for improvements along Beechcroft Road to tie to the proposed improvements as identified in the original scope of services for the Beechcroft Road at Cleburne Road intersection. The proposed improvements to Beechcroft Road will be based on an assumed design speed of 40 mph and a posted speed of 35 mph. As directed by the City of Spring Hill, proposed improvements will also generally follow the initial design approach presented by the development team responsible for the DRB project site. In general, the design will be developed in accordance with City of Spring Hill Standards; Tennessee Department of Transportation (TDOT) Design Guidelines and Standard Specifications; AASHTO Green Book; and latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). NSI services included in this Addendum are presented as follows:

**General Project Management**

- Project management is a continuous task that will be performed for the duration of this contract. Monitoring, coordination, scheduling, and reporting requirements of this task will be used to facilitate periodic review to ascertain city concurrence with the requirements of this task.
  - Project milestones to occur for Preliminary/ROW Plans and Final Construction Plans. One (1) electronic copy of plans will be submitted to the City in .pdf format at the completion of these milestones.
  - Provide monthly status reports to the city's Project Manager (PM).
  - Attend meetings at milestones and miscellaneous meetings with city officials
    - Scope estimates two (2) milestone plan review meetings with city officials and two (2) miscellaneous meetings.
  - Coordination with subconsultants.
  - Coordination with TDOT.

**Design Phase Services**

- Limited coordination assistance with TDOT Region 3 Traffic Office. As Beechcroft Road is a designated state route, NSI will provide communication assistance with TDOT. TDOT coordination includes initial submittal of draft construction plans for TDOT reference. Task is limited to coordination with TDOT to facility review, comment and concurrence with proposed widening of Beechcroft Rd. to accommodate the proposed left turn lane. Task is not responsible for acquiring permits for driveway access on behalf of the site developer.
- Conduct and prepare topographic field survey. This task will be completed by a TDOT pre-qualified subconsultant partner. Survey will follow TDOT Survey Manual guidelines and locate identifiable above and below grade utilities. The additional survey will expand upon the data collected under the original scope of services. Refer to the attached limits of survey and original scope of work by Energy Land and Infrastructure, Inc. (ELI) for details.

The addendum survey scope anticipates need for limited ROW acquisition, which was not assumed under the original scope. ROW legal description and exhibit drawing will be

provided by the project's field survey consultant in support of the city's ROW acquisition needs. The design plans will also include property map and property acquisition table information following typical procedures to supplement the ROW information made available for the City's use during ROW acquisition. The City of Spring Hill will be responsible for ROW negotiation and acquisition.

- Utility Coordination services include limited assistance to provide communication and design interpretation to utility owner stakeholders within the project limits. NSI will be available to provide digital version of ROW plan set for utility owners use. NSI and city officials will be available for up to one utility field review meeting. NSI design staff will provide up to eight hours of design review and coordination assistance with utility owners. Task excludes utility design and preparation of utility relocation plans. Design modifications or iterative design to roadway plans resulting from utility relocations or utility designs will be considered additional services.
- Prepare Preliminary/ROW Plans and Construction Plans based on field survey results and guidance from city officials. The Preliminary/ROW Plan set will consist of the following elements: Title Sheet, Typical Sections, Property Map and ROW Acquisition Table, Present Layout Sheet(s), Proposed Layout Sheet(s) and Proposed Profile Sheet(s), Side Road Profiles, Driveway Profiles, Drainage Map, Erosion Prevention and Sediment Control Layouts and Roadway Cross Sections. In addition, the Construction Plans will also contain Traffic Control Plans, Estimated Quantities Sheet, Index and TDOT Standard Drawings Sheet, General Notes Sheets, Tabulated Quantities, and Signing and Pavement Marking Plans.
- Submit Preliminary/ROW Plans and Construction Plans to City for review and comment. NSI will also submit draft plans to TDOT, Region 3 office for their reference. The scope excludes review meetings with TDOT and does not require a formal response to be received from TDOT representatives.
- Based on comments from city review, make requested revisions to draft plans.
- Prepare a Preliminary Engineers' Opinion of Probable Construction Cost
- Submit final, sealed Construction Plans to the City of Spring Hill (digital PDF only)

#### Services excluded from Design Phase

- Geotechnical services
- Environmental studies
- SWPPP application and coordination
- Lighting design
- Public Involvement
- Permit/Application fees
- Traffic Data Collection
- Traffic studies
- Drainage/Storm Water design services
- Design modifications during construction
- Utility Design/Relocation services

#### Bid Phase Services

NSI will assist the city of Spring Hill with preparation of the proposal contract manual for letting of the project by the city of Spring Hill. NSI will create bid form and assemble electronic copy of project plans. The scope does not anticipate holding a pre-bid conference for the project. NSI will request city officials provide input including standard contract language requirements and example

bid document to be used in creating the project proposal contract. Based on the nature of the project, the contract manual will not require special provisions or custom project specifications and will reference TDOT specifications and bid items.

- Prepare bid form
- Prepare and assemble draft and final contract proposal manual (bid book). Scope allows for one round of review by city officials.
- Assistance with preparing responses to contractor bid phase RFIs
- Provide electronic version of final construction plans and contract proposal manual to city officials for access by prospective bidders. Scope assumes hard copies of plans and contract manuals will not be circulated, rather documentation will be made available via download from city's web site. The City of Spring Hill will be responsible for accepting bid responses.
- Attendance at bid opening to be held at city hall as directed by city officials
- Tabulation of bid submittal responses (bid tab)
- Participation in city officials' review of bid submittals to determine apparent successful bidder

Construction phase services are excluded from scope related to the widening of Beechcroft Road:

- Less than 1.0 acre of disturbance is anticipated, formal Erosion Control Plan, Construction Stormwater General Permit NOI, and SWPPP will not be provided, or field maintained during construction.
- Completion of an ARAP application will not be provided because water resources and stream buffers will not be included as part of design.
- As-Built Survey, construction staking, and construction benchmarks will not be provided As-built construction plans and digital files will not be maintained.
- FEMA coordination (Letter of Map Revision, etc.) will not be provided.
- Any testing facility fees are excluded (i.e., concrete compressive strength testing performed on test cylinders/reinforcing steel, asphalt plant and field testing, compaction/density testing etc.)
- Utility Inspection/Coordination
- Construction Phase Services related to roadway widening, including construction administration, inspection, observation and engineer-of-record services

### **Additional Services**

Services not specifically mentioned, outside the project limits, or beyond the scope of services in the task items above can be negotiated as additional services based on the hourly rate schedule for Neel-Schaffer.

**Beechcroft Rd at Cleburne Rd Intersection Improvement - Phase 2  
Addendum 1 - Beechcroft Rd Widening Design Services  
Spring Hill, Tennessee**

**NEEL-SCHAFFER MAN-POWER ESTIMATE BY CLASSIFICATION**

<b>Tasks and SubTasks</b>	<b>Engineer Manager</b>	<b>Senior Engineer/Inspector</b>	<b>Project Engineer</b>	<b>Technician/ Inspector</b>
<b>Right-Of-Way Plan Preparation</b>				
Base-Map Preparation / Coordinate with Surveyor			6	
TDOT Coordination	4	4	8	
Site Visit Review			4	
Title Sheet			2	
Typical Sections		3	6	
Property Map and ROW Acquisition Table		2	4	
Present Layout Sheets		7	16	
Proposed Layout Sheets		7	16	
Proposed Profile Sheets		7	16	
Side Road Profiles		4	10	
Driveway Profiles		2	6	
Drainage Map		2	4	
EPSC Plan		2	14	
Roadway Cross-sections		6	12	
Utility Coordination & Support		10	20	
Internal Plan QA/QC	3			
City review / Coordination	2		5	
Prepare plan Comments/Changes	1		7	
Std Drawings / General Notes / Special Notes Preparation			4	
Pay Items / Estimated Quantities	1	6	10	
Preliminary Engineers' Probable Cost	1	6	3	
Internal Plan QA/QC	2			
Prepare / Submit Final Plans			3	
<b>Construction Plan Preparation</b>				
Traffic Control Plans	1	4	24	
Signing and Marking Plan			8	
Estimated Quantities Sheet	1	3	4	
Index & TDOT Standard Drawings		2	2	
General and Special Notes		2	2	
Internal Plan QA/QC	3		3	
City review / Coordination	2	3	6	
Prepare final roadway sheets	2	4	5	
<b>Bidding Phase Assistance</b>				
		8	20	
	<b>\$230.00</b>	<b>\$210.00</b>	<b>\$140.00</b>	<b>\$110.00</b>
	23	86	230	0
	\$5,290.00	\$18,060.00	\$32,200.00	\$0.00

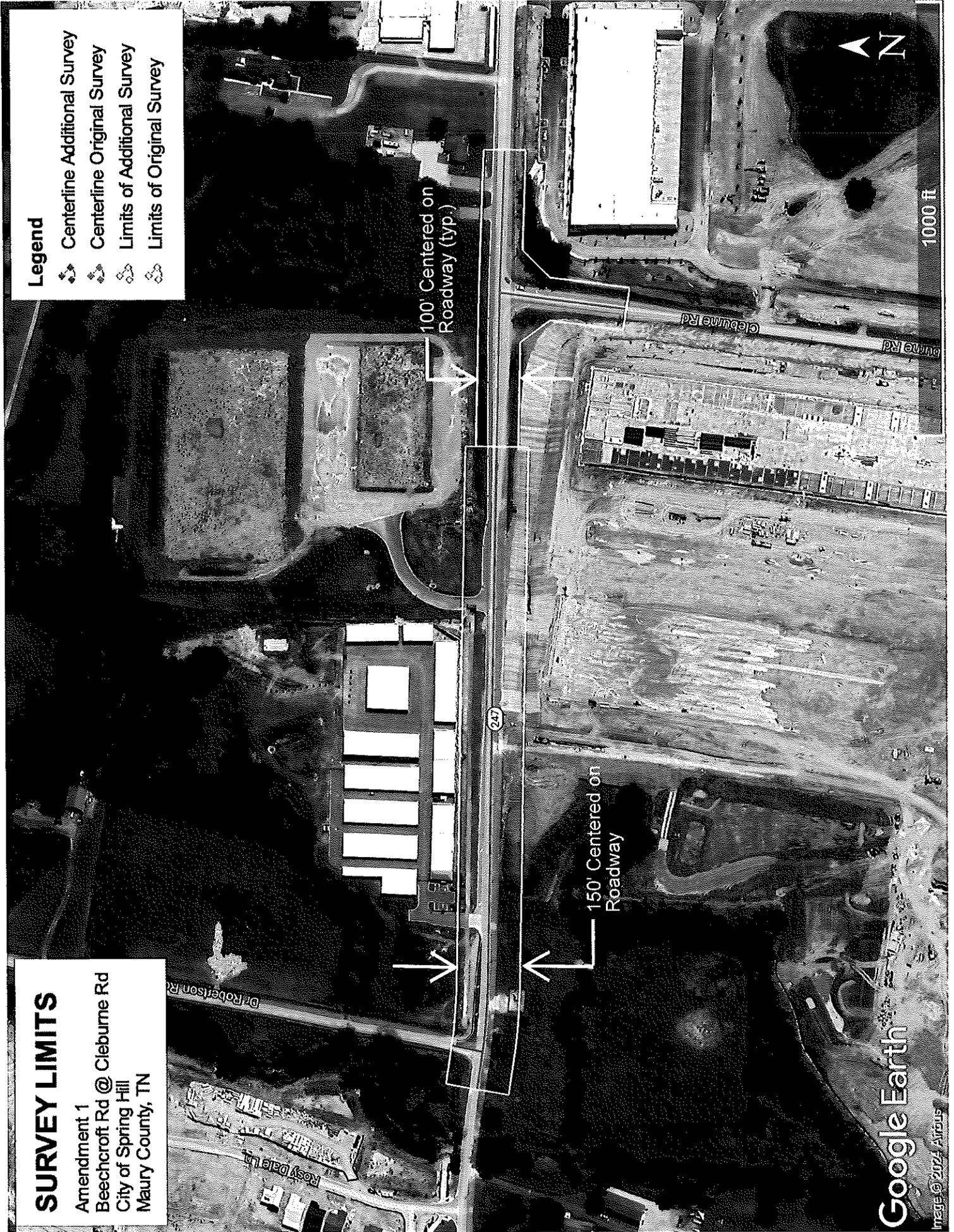
Subconsultant Services - Professional Survey:	\$20,781.92
Subconsultant Services - Legal Descriptions/Exhibits (\$1,000 each)	\$3,000.00
Subconsultant Services - ROW Staking (per Hourly Rate Schedule)	\$5,000.00
<b>Total Survey Support Costs:</b>	<b>\$28,781.92</b>
Printing/Reproductions	\$500.00
Misc. Direct Costs	\$550.00
ROW Plans Design Services:	\$42,140.00
Const. Plans Design Services:	\$13,410.00
Bidding Phase Assistance:	
<b>Total Design Services:</b>	<b>\$56,600.00</b>
<b>Total Bid Phase Assistance:</b>	<b>\$4,480.00</b>
<b>Total Project Budget =</b>	<b>\$89,861.92</b>

# SURVEY LIMITS

Amendment 1  
Beechcroft Rd @ Cleburne Rd  
City of Spring Hill  
Maury County, TN

## Legend

- Centerline Additional Survey
- Centerline Original Survey
- Limits of Additional Survey
- Limits of Original Survey



TENNESSEE DEPARTMENT OF TRANSPORTATION  
MANDAY ESTIMATE AND FEE PROPOSAL

*For Survey Only*

**SR-247 (Beechcroft Road)**

**Intersection with Cleburne Road**

**Maury County**

Project Identification Number (PIN): N/A

General Comments:

Contract Amendment 1: Additional Survey Along Beechcroft Road From the West End of the Original Survey to Approximately 50 Feet West of Dr. Robertson Road, Being 150 feet in Width, Centered on Beechcroft Road.

**Energy Land & Infrastructure**

Tim Haggard, PE, PLS

745 S. Church Street, Suite 801  
(615) 438-9664

[tim.haggard@eli-llc.com](mailto:tim.haggard@eli-llc.com)

Prepared By:

T. Haggard

Date prepared:

5/24/2024

Project No.:

<00000-0000-00>



Version 2.27



SURVEY MANDAY ESTIMATE

**ESTIMATE FOR FIELD SURVEYS**

PROJECT DESCRIPTION:

Version 2.27

Route: SR-247 (Beechcroft Road)  
 Description: Intersection with Cleburne Road  
 County: Maury Prepared By: T. Haggard  
 Consultant: Energy Land & Infrastructure Date Prepared: 5/24/2024  
 Project No.: <00000-0000-00>

TOTAL LENGTH(miles): 0.29  
 OFFICE TRAVEL TIME PER DAY(hrs): 1.33  
 CREW TRAVEL TIME PER DAY(hrs): 1.33



ACTIVITY	PROJECT MANAGER	OFFICE CADD TECH.	PARTY CHIEF	INSTRUMENT MAN	RODMAN	RODMAN	FLAGGER	FLAGGER	Total
	PM	O	P	I	R	R	F	F	
1. Establish & Stake Alignments	0.1	0.1							0.2
2. Update Survey									
3. Control Traverses	0.2		0.2	0.2	0.2	0.2			1.0
4. Set Aerial Control									
5. Bench Levels			0.2	0.2	0.2	0.2			0.8
6. Develop Digital Terrain Model	0.2	0.3	0.8	0.8	0.8	0.8			3.7
7. R.O.W., Deed & Utility Research	0.2	0.1							0.3
8. Property Owner Contact	0.3		0.3						0.6
9. Locate Property & Pres. R.O.W. Lines	0.4	0.4	0.7	0.7	0.7	0.7			3.6
10. Obtain Topo/Verify Aerial	0.1	0.3	1.4	1.4	1.4	1.4			6.0
11. Drainage Surveys (Culverts)	0.2	0.2	0.6	0.6	0.6	0.6			2.8
12. Bridge Surveys (bridge details, stream alignment, topo, profile, flood plain sections, high water, etc.									
13. Railroad Surveys									
14. Utilities	0.1	0.1	0.8	0.8	0.8	0.8			3.4
15. Stake R.O.W. & Easements									
16. Stake Sounding Holes									
17. Note Reduction & other Calculations	0.3								0.3
18. Plot Plan, Profiles, Property Map, Drainage Map, Bridge Survey, Control Point Table, etc.	0.1	0.5							0.6
19. Supervision	0.3								0.3
20. Travel Time (8 HOUR MAN-DAYS)	0.5	0.2	1.0	0.9	0.9	0.9			4.4
<b>TOTALS (8 HOUR MAN-DAYS)</b>	<b>3.0</b>	<b>2.2</b>	<b>6.0</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>			<b>28.0</b>

SURVEY MANDAY ESTIMATE

PROJECT DESCRIPTION:

Route: SR-247 (Beechcroft Road)  
 Description: Intersection with Cleburne Road  
 County: Maury  
 Consultant: Energy Land & Infrastructure  
 Project No.: <00000-0000-00>

Version 2.27

TOTAL LENGTH(miles): 0.29  
 Date Prepared: 5/24/2024 Prepared By: T. Haggard



	OFFICE DIFFICULTY	FIELD DIFFICULTY	REMARKS
Align.	1.0	0.0	
Update	1.0	1.0	0 Survey Updates
Control	1.0	1.0	
Aerial	0.0	0.0	0 0 NUMBER HORIZONTAL & NUMBER VERTICAL POINTS
Levels	1.0	1.0	ZERO IF NOT REQUIRED
DTM	1.0	1.0	100% PERCENT SKIPS 150 DTM WIDTH(feet)
Research	1.0	1.0	4 NUMBER OF TRACTS
Contacts	1.0	1.0	
Property	1.0	1.0	DO NOT EDIT THESE CELLS
Topo	1.0	1.0	
Culverts	1.2	1.2	
Bridges	1.0	1.0	0 0 0 NUMBER OF SMALL, MEDIUM, LARGE BRIDGES
RR	1.0	1.0	0 NUMBER OF RR CROSSINGS
Utilities	1.2	1.0	6 Number of Different Utilities Involved
R.O.W.	1.0	1.0	DO NOT EDIT THESE CELLS
Geotech.	1.0	1.0	
	1.0		0 0 0 Number of IP's, 1-stake, 2-stakes
Plotting	1.0		0 Number of Geotechnical Staking Points
	1.0		<b>82.0</b> 8 - Hr MD/MILE not including travel
	1.0	1.0	<b>97.3</b> 8 - Hr MD/MILE

SURVEY LABOR DIRECT EXPENSES

SURVEY DIRECT LABOR COST

PROJECT DESCRIPTION:

ROUTE: SR-247 (Beechcroft Road)  
 DESCRIPTION: Intersection with Cleburne Road  
 COUNTY: Maury  
 CONSULTANT: Energy Land & Infrastructure  
 TOTAL LENGTH(miles): 0.30

Prepared By: T. Haggard  
 Date Prepared: 5/24/2024



	Abbrv	Personnel Classification	8 - Hr Man-Days	Approved Hours	Rate Per Hr	Direct Labor
1	PM	PROJECT MANAGER	3.0	8.0	\$ 55.00	\$ 1,320.00
2	O	OFFICE CADD TECH.	2.2	8.0	\$ 33.00	\$ 580.80
3	P	PARTY CHIEF	8.0	8.0	\$ 36.00	\$ 1,728.00
4	I	INSTR MAN	5.6	8.0	\$ 26.00	\$ 1,164.80
5	R	RODMAN	5.6	8.0	\$ 22.00	\$ 985.60
6	R	RODMAN	5.6	8.0	\$ 22.00	\$ 985.60
7	F	FLAGGER	0.0	8.0	\$ -	\$ -
8	F	FLAGGER	0.0	8.0	\$ -	\$ -
		TOTALS	28.0			\$ 6,764.80

Direct Labor Cost Per 8 - Hour Man-Day | \$ 241.60

Version 2.27

SURVEY LABOR DIRECT EXPENSES

Version 2.27

SURVEY DIRECT EXPENSES																																																			
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From: 1420 Donelson Pike, Nashville, TN																																																			
To: Intersection of Cleburne Road with SR-247																																																			
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<b>TOTAL DIRECT EXPENSES</b>			<b>\$ 315.75</b>																																																

\* Rate must agree with most current State of Tennessee travel regulations.  
 First and last day of travel must be at the 75% Per Diem Rate.

FEE PROPOSAL

<b>FEE PROPOSAL</b>			
ROUTE:	SR-247 (Beechcroft Road)	Project No.:	<00000-0000-00>
DESCRIPTION:	Intersection with Cleburne Road	PIN No.:	N/A
COUNTY:	Maury		
CONSULTANT:	Energy Land & Infrastructure		
Prepared By:	T. Haggard		
Date Prepared:	5/24/2024		
			
			Version 2.27
<b>Data For Fee Calculations</b>			
	Overhead Rate =	169.87%	**
** (State Project Maximum overhead rate = 145%)			
** (Federal Project Maximum overhead rate per External Audit Report)			
Design Direct Labor =	\$	-	
Survey Direct Labor =	\$	6,764.80	
Total Direct Labor =	\$	6,764.80	
Net Fee (Refer to "Net Fee Calculator")		12.00%	
<input checked="" type="checkbox"/>	Remove X to display instructions		
<b>SURVEYS</b>			
1	Direct Labor	=	\$ 6,764.80
2	Overhead (Overhead Rate = 169.87%)	=	\$ 11,491.37
	(Overhead rate X direct labor)		
3	<b>Subtotal 1 + 2</b>	=	\$ 18,256.17
4	Net Fee = 12.0%	(Rounded to nearest \$10)	\$ 2,190.00
	(Direct labor + Overhead) X 0 NF		
5	<b>Subtotal 3 + 4</b>	=	\$ 20,446.17
6	Direct Expense	=	\$ 335.75
7	Premium Labor	=	\$ -
	(Premium Labor is only eligible if the survey crew works greater than a 40 hour work week.)		
8	<b>Total Survey</b>	=	\$ 20,781.92
	(Total 5 + 6 + 7)		

### Survey Staff Rates

Director of Survey/SUE .....	\$203
Survey Manager (Office Level) .....	\$172
Senior R/PLS   Assistant Survey Manager .....	\$156
R/PLS   Survey/SUE Team Leader .....	\$146
Survey/SUE Project Manager .....	\$136
Professional Land Surveyor (R/PLS) .....	\$130
Lead Survey Technician .....	\$120
Senior Survey Technician/Senior CAD Technician .....	\$104
Survey Technician /CAD Technician .....	\$94
Sr Survey/SUE Crew Chief .....	\$104
Survey/SUE Crew Chief .....	\$94
Sr Survey/SUE Technician .....	\$83
Survey/SUE Technician .....	\$73
Survey Crew (4-Person) .....	\$302
Survey Crew (3-Person) .....	\$234
Survey Crew (2-Person) .....	\$166
Survey Crew (1-Person) .....	\$151
UAS/UAV Photogrammetry Crew .....	\$291
UAS/UAV LiDAR Crew .....	\$296
Mobile Scan Crew .....	\$260

### Administrative Staff Rates

Senior Admin .....	\$94
Admin .....	\$62

### Reimbursable Expenses

Mileage .....	GSA Rate
Materials Markup .....	Cost plus 10%
Outside Services, Subcontractors, Miscellaneous Expenses .....	Cost plus 10%
Travel Per Diem (Non-DOT projects including Lodging) .....	195/person/day
ATV Plus Trailer .....	\$60/day