

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number: _____

Meeting Type: Regular

Meeting Date: Sep 11, 2014

Action Requested By: Engineering

Agenda Type: Resolution

Subject Matter:

Modification No. 1 to Agreement with Garver, L.L.C.

Exact Wording for the Agenda:

Resolution authorizing the Mayor to modify the agreement with Garver, L.L.C. for Greenbrier Parkway, Phase I, Project No. 65-13-RD02, by Modification No. 1

12-965

Note: If amendment, Please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what council action will provide, allow and accomplish and; any other information that might be helpful.

This modification is for additional field surveying, right-of-way map, tract sketches, acquisition deed descriptions and roadway design services for a total modification amount of \$62,000.00. New end date: February 28, 2015. Account No. 23-6500-0813-8152

Associated Cost: \$62,000.00

Budgeted Item: _____

MAYOR RECOMMENDS OR CONCURS: _____

Department Head: [Signature]

Date: 5/28/14

ISO
PK
CR

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: **Engineering**

Council Meeting Date: **9/11/2014**

Department Contact: **Lynn Majors**

Phone # **256-427-5201**

Contract or Agreement: **Modification No. 1**

Document Name: **Garver-Greenbrier Pkwy Ph I, Project No. 65-13-RD02**

City Obligation Amount: **\$62,000.00 ✓**

Total Project Budget: **\$535,499.00**

Uncommitted Account Balance: **0**

Account Number: **23-6500-0813-8152**

Procurement Agreements

<u>Not Applicable</u>	<u>Not Applicable</u>
------------------------------	------------------------------

Grant-Funded Agreements

<u>Not Applicable</u>	Grant Name:
------------------------------	--------------------

Department	Signature	Date
1) Originating	<i>Kathy Marsi</i>	8/28/14
2) Legal	<i>Theresa Carter</i>	8/29/14
3) Finance	<i>[Signature]</i>	9/2/14
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 14-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama to enter into Modification No. 1 to the Agreement with Garver, L.L.C., adopted and approved on the 1st day of November, 2012, by the City Council of the City of Huntsville, Alabama by Resolution No. 12-965, as attached hereto.

BE IT FURTHER RESOLVED that the total contract amount be and hereby is modified from FOUR HUNDRED SEVENTY-THREE THOUSAND FOUR HUNDRED NINETY-NINE AND NO/100 DOLLARS (\$473,499.00) to FIVE HUNDRED THIRTY-FIVE THOUSAND FOUR HUNDRED NINETY-NINE AND NO/100 DOLLARS (\$535,499.00), including this Modification No. 1, an increase of SIXTY-TWO THOUSAND AND NO/100 DOLLARS (\$62,000.00). New end date: February 28, 2015. Agreement is substantially in words and figures similar to that document attached hereto and identified as "Modification No. 1 to Agreement between City of Huntsville and Garver, L.L.C. for Greenbrier Parkway, Phase III (original Resolution No. 12-965 had project incorrectly listed as Phase I), from I-565 to North of Old Highway 20, Project No. 65-13-RD02, as adopted by Resolution No. 12-965 of November 1, 2012" consisting of a total of three (3) pages plus twenty-three (23) additional pages consisting of Attachment "A", and the date of September 11, 2014, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 11th day of September, 2014.

President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 11th day of September, 2014.

Mayor of the City of Huntsville,
Alabama

STATE OF ALABAMA)
COUNTY OF MADISON)

Modification No. 1 to Agreement between the City of Huntsville and Garver, L.L.C. for Greenbrier Parkway, Phase III (original Resolution No. 12-965 had project incorrectly listed as Phase D), from I-565 to North of Old Highway 20, Project No. 65-13-RD02, as adopted by Resolution No. 12-965 of November 1, 2012

THIS IS MODIFICATION NO. 1 TO AN AGREEMENT entered in on the 1st day of November, 2012, in the amount of FOUR HUNDRED SEVENTY-THREE THOUSAND FOUR HUNDRED NINETY-NINE AND NO/100 DOLLARS (\$473,499.00). The original Agreement is hereby amended by Modification No. 1 dated September 11, 2014, in the amount of SIXTY-TWO THOUSAND AND NO/100 DOLLARS (\$62,000.00) for the revised contract amount of FIVE HUNDRED THIRTY-FIVE THOUSAND FOUR HUNDRED NINETY-NINE AND NO/100 DOLLARS (\$535,499.00), by and between the City of Huntsville, Alabama, a municipal corporation in the State of Alabama (Owner) and GARVER, L.L.C., (ENGINEER).

WITNESSETH

WHEREAS, the firm identified as the ENGINEER to the Agreement dated November 1, 2012, has proposed a change, identified as Attachment "A" to the Original Agreement. This modification delineates a change to: perform additional field surveying, right-of-way map, tract sketches, acquisition deed descriptions and roadway design services.

WHEREAS, the Owner desires that the contract drawings be altered to be consistent with Attachment "A" hereto.

NOW THEREFORE, in consideration of the mutual covenants set forth herein, the Owner and the ENGINEER agree to the following modifications to the agreement:

1. Garver, L.L.C. will provide for additional field surveying, right-of-way map, tract sketches, acquisition deed descriptions and roadway design services at a time and materials cost not to exceed SIXTY-TWO THOUSAND AND NO/100 DOLLARS (\$62,000.00). New end date: February 28, 2015.

President of the City Council of the City of
Huntsville, AL

Date: September 11, 2014

2. Item #1 shall be performed in accordance with the original agreement dated November 1, 2012, and approved by the City Council by Resolution No. 12-965, and as described in the letter from Scott Leach to Kathy Martin, dated August 1, 2014, shown as Attachment "A".
3. The terms of this contract modification and the execution thereof is not in any way to be viewed as a waiver on the part of the Owner of any of its rights pursuant to the Contract.
4. All other terms and conditions remain unchanged.

IN WITNESS WHEREOF, the parties have entered their hands and seals and attest to the same with the signature of the Mayor being the official act of the said municipality in accordance with his duly constituted authority.

THE CITY OF HUNTSVILLE, ALABAMA,
a municipal corporation

By: _____
Tommy Battle
Its Mayor

ATTEST:

Charles E. Hagood
City Clerk-Treasurer

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Tommy Battle and Charles E. Hagood, whose names as Mayor and City Clerk-Treasurer of the City of Huntsville, a municipal corporation, are signed to the foregoing instrument, and who are known to me, acknowledged before me on this day that, being informed of the contents of the instrument, they, in their capacity as such officers, executed the same with full authority for and as the act of said corporation on the day the same bears day.

GIVEN under my hand and official seal this the ____ day of _____ 2014.

Notary Public
My Commission Expires: _____

ENGINEER: GARVER, L.L.C.

By: _____

ATTEST:

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Jerry D. McCarley, as Vice President, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, in his capacity as such officer, executed the same with full authority for and as the act of said Corporation on the day the same bears day.

GIVEN under my hand and official seal this the ____ day of _____ 2014.

Notary Public
My Commission Expires: _____

ATTACHMENT "A"

5125A Research Drive
Huntsville, AL 35805

TEL 256.534.5512
FAX 256.534.5544

www.GarverUSA.com



August 1, 2014

Ms. Kathy Martin, P.E. *KM*
Director of Engineering
City of Huntsville
320 Fountain Circle
Huntsville, AL 35801

Attn: Mr. Christopher McNeese

CH
8-16-14

**RE: Proposal Submittal for Contract Modification #1
Additional Services on Project No. 65-13-RD02
Greenbrier Parkway, Phase I
In the City of Huntsville, Limestone County, AL**

Mr. McNeese:

We appreciate the opportunity to submit a revised proposal to perform additional Field Surveying, Right-of-Way Map, Tract Sketches, Acquisition Deed Descriptions and Roadway Design services for the City that are required on the above referenced project. Attached hereto are two (2) copies of the following:

- Appendix A – Proposed Scope of Services
- Appendix B – Man-Day Estimate and Fee Proposal
- Appendix C – Hourly Rate Schedule and Proposed Project Personnel
- Figures 1 & 2 – Illustrations of the Additional Work Required

Garver's Fee Schedule (Appendix C) is valid thru February 28, 2015. S&ME, Inc. is our sub-consultant responsible for geotechnical investigations on this project. The additional work that is proposed along Old Highway 20 (Figure 1) will require 2 more borings to be performed by S&ME. Their scope of services and fee proposal are included in Appendix B. S&ME's proposed fee for the additional work is \$1,500.00. Garver's proposed fee for the additional work described in Appendix A is \$60,425.00 which includes \$75.00 as a 5% sub-consultant administration expense. The Grand Total Fee proposed for performing the additional Scope of Services required for this project is \$62,000.00. The contract completion date for our services on this project should be February 28, 2015, with this Contract Modification.

We are ready to begin this additional work immediately following City Council approval of our contract. If you have any questions or need any additional information regarding this project or our proposal, please let me know. We look forward to continue working with you and the City of Huntsville on this very important project.

Sincerely,
Garver, LLC

Scott C. Leach, PE
Senior Project Manager

**Additional Scope of Services for Project #: 65-13-RD02
Greenbrier Parkway, Phase I
In the City of Huntsville, Limestone County, AL**

FIELD SURVEYING:

The additional surveying services described below will be provided by Garver (CONSULTANT). Proposed tasks and man-day estimates are based on the anticipated level of effort to perform the following:

1. CONSULTANT will determine and contact all adjacent property owners throughout the limits of the additional work along Old Highway 20 and the limits of additional work along existing Greenbrier Road near the at-grade Norfolk-Southern Railroad crossing prior to beginning any survey work. The CONSULTANT will make every reasonable effort to contact the property owners verbally and follow-up the contact with a confirmation letter documenting the contact. The CONSULTANT will use a standard letter format furnished by the CITY. CONSULTANT will furnish copies of the property owner contact letters to the CITY upon request.
2. A basic control survey will be performed by the CONSULTANT to locate and identify horizontal and vertical control points to provide control for the additional work along Old Highway 20 and additional work along existing Greenbrier Road near the at-grade Norfolk-Southern Railroad crossing. This control will be used for subsequent surveys. All surveying and mapping will be performed in accordance with the FHWA "Surveying and Mapping Manual" dated November, 1985. The basic control survey will be performed to at least horizontal geodetic Third Order, Class II and Vertical geodetic Third Order classification and be tied to monumented points with known State Plane coordinates and to CITY furnished GPS points where available. The basic control survey is to consist of P.I. to P.I. traverse with distances and angles measured. Additional benchmarks will be monumented at intervals not to exceed 1,500 feet throughout the limits of additional work along Old Highway 20 and on existing Greenbrier Road near the at-grade Norfolk-Southern Railroad crossing. Benchmarks will be established to U.S.G.S. datum. The CONSULTANT shall conduct an on-site inspection to verify the additional Basic Control Survey is complete and shall identify the features, project limits, and data necessary to be gathered during the additional Field Surveys for purposes of Design. The CONSULTANT will run closure of the basic control survey to verify the traverse qualifies for the specified classification accuracy. The CONSULTANT will establish the additional project centerline stationing. Profiles for the project centerline will be obtained at 50 foot intervals and significant breaks in the ground line.

APPENDIX A

3. Topographic data collected from the Aerial Survey conducted in 2012 has been provided by the CITY. Supplemental data gathering is required in order to obtain drainage structure invert elevations and any other topographic data that may be missing from the Aerial Survey provided by the CITY. Data will be obtained by CONSULTANT through X, Y, and Z coordinate of each point necessary to define additional topography, septic tanks, other underground tanks, cover and culture. All topo obtained by the CONSULTANT will be referenced to the traverse baselines. The survey for the DTM will be to a level sufficient to extract cross sections on 50 foot intervals, plot construction limits and determine quantities. The DTM provided by the CITY will be utilized to extract cross sections and other information to determine preliminary quantities. Since the Aerial Survey data provided was performed by others, the CONSULTANT is not responsible for any inaccuracies that may exist in the information that has been provided by others.
4. The CONSULTANT will perform supplemental ground control surveys as necessary to properly identify existing utilities throughout the limits of additional work along Old Highway 20 and existing Greenbrier Road near the at-grade Norfolk-Southern Railroad crossing. The following utility items will be obtained and furnished by the CONSULTANT to the CITY; the CITY shall assist CONSULTANT as needed following proof of reasonable effort by CONSULTANT to obtain such information. Utility ownership and address of owner and obtain location and elevation of all visible and sanitary sewer manholes, inlets, and inverts. Size and type of material will also be obtained. The location and elevation of visible evidence of gas, water or other pipelines and utility facilities above and underground including but not limited to valves, hydrants, meters, vents, pump houses, etc. Size and type of valves and pipe will be show, based on information obtained from utility companies. Location of telephone, electric and cable lines, both aerial and underground.

Project-Related Surveying Information to be Provided by the City of Huntsville

The CITY will provide all available survey data and other mapping, monuments, aerial images, GPS points, and previous surveys performed in the vicinity of the additional work along Old Highway 20, existing Greenbrier Road, and any other information that may be useful for CONSULTANT to complete the Scope of Services.

APPENDIX A**R.O.W. MAP, ACQUISITION DEEDS & TRACT SKETCHES:**

The additional right-of-way services described below will be provided by CONSULTANT. Proposed tasks and corresponding man-day estimates are based on the effort anticipated to perform the following:

TASK A: CONSULTANT will coordinate with the CITY to ensure sufficient information is provided for the preparation of the Right-of-Way map based upon additional information obtained from records search at the Limestone County Courthouse. CONSULTANT will obtain copies of each parent tract deed description, subdivision plat, ownership record, Tax Map, adjoining deed, and other available information. CONSULTANT will update the Right-of-Way Map to illustrate the additional parcels affected by the project with Before Acreage, Acquired Acreage, and After Taking Acreages for each parcel. The Right-of-Way Map will also illustrate Property Owners, Deed Book & Page Number for each affected parcel, the roadway centerline and proposed major features of the roadway, proposed Right-of-Way, and the total acreage to be acquired from each parcel.

TASK B: CONSULTANT will prepare individual Tract Sketches for each additional parcel affected by the project. Each Tract Sketch will contain a plot of the entire property of each affected tract to a suitable scale based on the size of the parent tract. Each tract sketch will illustrate Right-of-Way to be acquired and acreage. The tract sketches will also identify existing deed, property owner, before and after acreages, and roadway centerline with the station and offset of each Right-of-Way break. Bearings and distances of Right-of-Way acquisition lines will be illustrated on each Tract Sketch.

TASK C: CONSULTANT will prepare acquisition descriptions for all additional properties that will be affected by an acquisition. Each affected tract's acquisition description will include a metes and bounds description referencing a Point of Commencement, Point of Beginning, Total Acreage taken, and will be tied to roadway centerline.

TASK D: CONSULTANT will stake the Right-of-Way/Acquired Parcels one time for the CITY to view proposed Land Acquisition that is required.

Project-Related Right-of-Way, Tract Sketches & Deeds Information to be Provided by City

The CITY will provide any available maps or other project related information that would be beneficial to the CONSULTANT in preparing the Right-of-Way Map, Tract Sketches, and Acquisition Deed descriptions for the project.

APPENDIX A**ROADWAY CONSTRUCTION CONTRACT PLANS:**

The additional roadway construction contract plans services described below will be provided by CONSULTANT. Proposed tasks and corresponding man-day estimates are based on the effort anticipated to perform the following additional design work:

- Revise the contract plans assembly to include the design of approximately 1400 linear feet of additional work along Old Highway 20 as shown in **Figure 1** attached hereto. The additional design will include the required revisions to the contract plans, typical sections, plan and profile sheets, drainage design and analysis, pay item quantity calculations, traffic control, erosion control, cross-sections, signing, striping, pavement markings, etc. for the 1400 linear foot extension of the grade, drain, base, and pave limits along Old Highway 20 to a 5-lane curb and gutter roadway and storm sewer.
- Revise the contract plans assembly to include the design of 2 new cul-de sacs on existing Greenbrier Road on each side of the at-grade Norfolk-Southern Railroad Crossing as shown in **Figure 2** attached hereto. The additional design will include the required revisions to the contract plans, typical sections, plan and profile sheets, drainage design and analysis, pay item quantity calculations, traffic control, erosion control, cross sections, signing, striping, pavement markings, removal/demolition plan, etc. for both proposed cul-de-sacs.
- The development of contract plans will follow the general procedure as shown in the City's Guide for Developing Construction Plans outlined in the City's standard engineering contract. Project design criteria and contract plans will meet the guidelines and requirements of the latest CITY, AASHTO, FHWA, and/or STATE design publications that are applicable.

Project-Related Design Information to be Provided by City

The CITY will provide all available designs, mapping, analyses, plans, and any other project related information that may be beneficial to the CONSULTANT in performing the additional design and roadway contract plans development for the project.

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNeese
Engineering Consultant	Garver, LLC

GRAND TOTAL OF FEE PROPOSAL

	Labor Cost	Out-of-pocket Expenses	Fee
Corridor Study	\$0.00	\$0.00	\$0.00
Field Surveys	\$8,573.60	\$373.00	\$8,946.60
Preliminary Roadway Plans	\$0.00	\$0.00	\$0.00
Preliminary Bridge Plans	\$0.00	\$0.00	\$0.00
Right-of-Way Map, Tract Sketches and Deeds	\$11,546.00	\$375.00	\$11,921.00
Roadway Plans	\$40,266.44	\$866.40	\$41,132.84
Bridge Plans	\$0.00	\$0.00	\$0.00
Drainage Plans	\$0.00	\$0.00	\$0.00
Sanitary Sewer Plans	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
GRAND TOTAL FEE			\$62,000

LABOR RATES	Effective Time Period	
		28-Feb-15
Classification	Hourly Rate	Assigned Personnel
Project Engineer	\$176.00	Scott C. Leach
Environmental Scientist		
Design Engineer	\$123.00	Patra Crenshaw, Andy Dinges, & Zack Turner
Engineer Tech. / CADD	\$91.00	Kendall Brown & Amanda Mason
Clerical	\$47.00	Peggy Bridgeman & Elizabeth Aaron
PLS	\$111.00	Wade Carpenter
Survey Crew	\$178.00	Mark Storey, Stephen Few & Randall Byrd



Signed

Date

1-Aug-14

Transportation Team Leader

Position/Title

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNeese
Engineering Consultant	Garver, LLC

FIELD SURVEY		PLS	Survey Crew	Engineer Tech. / CADD
Based on a 2 Man Crew		ESTIMATED MAN-DAYS		
Task				
Contact Property Owners		0.08		0.25
Perform Basic Control Survey		0.13	0.50	0.25
Obtain Topographic Data		0.25	1.00	0.50
Define Drainage Areas/Prepare Schematic Drainage Map				
Identify/Locate Utilities		0.10	0.50	0.25
Tie to Required Property Corners		0.25	0.75	0.50
Obtain Copies of Latest Deeds		0.06		0.50
Set & Reference PIs, PCs, POTs, POCs, & other critical points		0.13	0.50	0.25
Prepare Detailed Topographical/Field Map		0.25		0.75
TOTALS		1.25	3.25	3.25

Project No.	65-13-RD02		
Project Name	Greenbrier Parkway, Phase I		
Description	From North of I-565 to North of Old Highway 20		
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical		
Project Length	2.0 Miles		
C.O.H. Project Engineer	Christopher McNeese		
Engineering Consultant	Garver, LLC		
Fee Proposal (Field Survey)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	0.20	\$ 1,408.00	\$ 281.60
PLS	1.25	\$ 888.00	\$ 1,110.00
Survey Crew	3.25	\$ 1,424.00	\$ 4,628.00
Engineer Tech. / CADD	3.25	\$ 728.00	\$ 2,366.00
Clerical	0.50	\$ 376.00	\$ 188.00
	Sub-Total		\$ 8,573.60
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
	Sub-Total		\$ -
TOTAL LABOR			\$ 8,573.60

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNe
Engineering Consultant	Garver, LLC
Out-of-pocket Expenses (Field Survey)	

PRINTING / REPRODUCTION COST					
Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
Deeds (8.5" x 14")	3	40	120	\$ 0.15	\$ 18.00
Field Books & Notes (8.5" x 11")	3	100	300	\$ 0.10	\$ 30.00
Topo, Utility, Property & Contour Maps (11"x17")	3	50	150	\$ 0.20	\$ 30.00
Miscellaneous	1	100	100	\$ 0.20	\$ 20.00
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C					\$ 98.00

Communication Cost (telephone, fax, etc.)	Total
	\$ 75.00

Postage Cost (overnight, stamps, etc.)	Total
	\$ 25.00

Other (provide description on next line)	Total
Stakes, Hubs, Tacks, Rebar, Flagging, etc.	\$ 175.00

Total Out-of-pocket Expenses	\$ 373.00
-------------------------------------	------------------

Comments:

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNeese
Engineering Consultant	Garver, LLC
Supporting Documentation for ROW Fee Proposal	

Date of Research	Parcel Tax ID #	# of Takings	Notes
4/30/2014	DB 96477, PG 10-12	2	ROW & PUDE
4/30/2014	17-08-28-0-000-011.002	2	ROW & PUDE
4/30/2014	DB 97208, PG 25-27	2	ROW & PUDE
4/30/2014	DB 96477, PG 7-9	2	ROW & PUDE
4/30/2014	DB 2003, PG 61197	2	ROW & PUDE
4/30/2014	W.H. Stewart (DNF)	2	ROW & PUDE
4/30/2014	DB 97208, PG 22-24	2	ROW & PUDE
4/30/2014	DB2004, PG36809-10	1	PUDE
4/30/2014	DB 96477, PG 13-15	2	ROW & PUDE
4/30/2014	Southern Natural Gas	1	Ex.Gas Line Easement Crossing
4/30/2014	American Midstream Gas	1	Ex.Gas Line Easement Crossing
4/30/2014	17-08-28-0-000-015.002	2	ROW & PUDE
4/30/2014	17-08-27-0-000-004-001	4	2 ROW & 2 PUDE (Split Parcels)
4/30/2014	17-08-28-0-000-020-001	2	ROW & PUDE
Total Takings:		27	

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNeese
Engineering Consultant	Garver, LLC

ROW Map, Tract Sketches and Deeds	Engineer		
	PLS	Survey Crew	Tech. / CADD
Estimated number of takings= 54	ESTIMATED MAN-DAYS		
Task A: Right-of-Way Map	1.00		2.00
Task B: Tract Sketches	1.00		2.25
Task C: Deeds	0.75		1.25
Task D: Right-of-Way/Acquired Parcel Staking	0.50	2.00	1.00
TOTALS	3.25	2.00	6.50

Note: A "Taking" is any separate piece of property acquired by the C.O.H. This includes parcels, drainage easements, construction easements, etc.

8/1/2014

City of Huntsville Engineering Division

11:44 AM

Project No. 65-13-RD02			
Project Name Greenbrier Parkway, Phase I			
Description From North of I-565 to North of Old Highway 20			
Scope of Work Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical			
Project Length 2.0 Miles			
C.O.H. Project Engineer Christopher McNeese			
Engineering Consultant Garver, LLC			
Fee Proposal (ROW Map, Tract Sketches & Deeds)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	0.50	\$ 1,408.00	\$ 704.00
PLS	3.25	\$ 888.00	\$ 2,886.00
Survey Crew	2.00	\$ 1,424.00	\$ 2,848.00
Engineer Tech. / CADD	6.50	\$ 728.00	\$ 4,732.00
Clerical	1.00	\$ 376.00	\$ 376.00
Sub-Total			\$ 11,546.00
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
		\$	-
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	-
Sub-Total			\$ -
TOTAL LABOR			\$ 11,546.00

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNeese
Engineering Consultant	Garver, LLC
Out-of-pocket Expenses (ROW Map, Tract Sketches & Deeds)	

PRINTING / REPRODUCTION COST					
Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
Acquisition Sketches, Descriptions, etc (8.5"x14")	4	50	200	\$ 0.15	\$ 30.00
Right-of-Way Roll Map (50 sq ft @ \$0.5/sq ft)	3	1	3	\$ 25.00	\$ 75.00
Miscellaneous In-House Printing (Various Sizes)	1	50	50	\$ 0.50	\$ 25.00
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C					\$ 130.00

Communication Cost (telephone, fax, etc.)	Total
	\$ 50.00

Postage Cost (overnight, stamps, etc.)	Total
	\$ 25.00

Other (provide description on next line)	Total
Acquired Property Staking (Stakes, Rebar, Caps, Flagging, etc.)	\$ 170.00

Total Out-of-pocket Expen: \$ 375.00

Comments:

Project No.	65-13-RD02
Project Name	Greenbrier Parkway, Phase I
Description	From North of I-565 to North of Old Highway 20
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length	2.0 Miles
C.O.H. Project Engineer	Christopher McNeese
Engineering Consultant	Garver, LLC

ROADWAY PLANS	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/SHEET	TOTAL	DAYS/SHEET	TOTAL	DAYS/SHEET	TOTAL
SHEET TITLE							
TITLE SHEET	1.00	0.03	0.03	0.06	0.06	0.06	0.06
INDEX SHEET	1.00	0.03	0.03	0.06	0.06	0.06	0.06
PROJECT NOTE SHEET	1.00	0.06	0.06	0.13	0.13	0.06	0.06
PLANS LEGEND			0.00		0.00		0.00
TYPICAL SECTIONS							
Main Roadway			0.00		0.00		0.00
Cross Roads	1.00	0.20	0.20	0.40	0.40	0.50	0.50
Detour & Misc.	0.50	0.20	0.10	0.40	0.20	0.50	0.25
Ramps			0.00		0.00		0.00
Cul-de-Sacs on Ex. Greenbrier Rd at NS RR	1.00	0.20	0.20	0.40	0.40	0.75	0.75
New RR crossing & Ex. RR crossing removal	1.00	0.30	0.30	0.60	0.60	0.75	0.75
SUMMARY SHEET							
Main Summary	1.00	0.25	0.25	0.50	0.50	0.40	0.40
SUMMARY BOX SHEETS							
Roadway Pipe	0.25	0.25	0.06	0.50	0.13	0.30	0.08
Culvert Extension, New Culvert			0.00		0.00		0.00
Bridge Culvert Extension, New Bridge Culvert			0.00		0.00		0.00
Guardrail			0.00		0.00		0.00
Slope Paving (Under Bridges)			0.00		0.00		0.00
Side Drain Pipe	0.50	0.15	0.08	0.30	0.15	0.25	0.13
Signing	0.50	0.15	0.08	0.30	0.15	0.20	0.10
Base & Pavement	0.50	0.25	0.13	0.50	0.25	0.40	0.20
Bridge			0.00		0.00		0.00
Striping & Pavement Markings	0.50	0.15	0.08	0.30	0.15	0.15	0.08
Curb & Gutter	0.25	0.20	0.05	0.40	0.10	0.30	0.08
Bridge End Slabs			0.00		0.00		0.00
Roadway Lighting			0.00		0.00		0.00
Sidewalk			0.00		0.00		0.00
Slope Paving (Ditches)	0.25	0.20	0.05	0.40	0.10	0.30	0.08
Ditch Summary	0.25	0.20	0.05	0.40	0.10	0.30	0.08
Concrete Safety Barrier	0.25	0.20	0.05	0.40	0.10	0.30	0.08
Retaining Wall			0.00		0.00		0.00
Misc. Boxes	0.50	0.20	0.10	0.40	0.20	0.30	0.15
Erosion Control	0.50	0.20	0.10	0.40	0.20	0.30	0.15
			0.00		0.00		0.00

ROADWAY PLANS SHEET TITLE	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/SHEET	TOTAL	DAYS/SHEET	TOTAL	DAYS/SHEET	TOTAL
PLAN & PROFILE							
Main Roadway			0.00		0.00		0.00
Crossroads	1.00	0.75	0.75	1.50	1.50	1.50	1.50
Detours			0.00		0.00		0.00
Retaining Walls			0.00		0.00		0.00
Cul-de-Sacs on Ex Greenbrier Rd at NS RR	1.00	0.50	0.50	1.00	1.00	0.75	0.75
PAVING LAYOUT							
Main Roadway			0.00		0.00		0.00
Crossroads	1.00	0.20	0.20	0.40	0.40	0.30	0.30
Intersections			0.00		0.00		0.00
Cul-de-Sacs on Ex Greenbrier Rd at NS RR	1.00	0.25	0.25	0.75	0.75	0.25	0.25
INTERCHANGES							
Geometrics			0.00		0.00		0.00
Ramps Profiles			0.00		0.00		0.00
Site Grading			0.00		0.00		0.00
Cross Sections			0.00		0.00		0.00
Signing			0.00		0.00		0.00
			0.00		0.00		0.00
TRAFFIC CONTROL							
Sequence of Construction	1.00	0.20	0.20	0.40	0.40	0.30	0.30
Summary & notes	0.50	0.15	0.08	0.30	0.15	0.25	0.13
Typical Section Sketches	1.00	0.10	0.10	0.25	0.25	0.20	0.20
Signing Layout	2.00	0.10	0.20	0.25	0.50	0.20	0.40
Special Drawings	1.00	0.10	0.10	0.25	0.25	0.20	0.20
			0.00		0.00		0.00
STRIPING & SIGNING							
Signing, Striping & Pavement Markers Layout	2.00	0.20	0.40	0.40	0.80	0.30	0.60
			0.00		0.00		0.00
			0.00		0.00		0.00
SIGNALIZATION							
Signal Layout (1 per site)			0.00		0.00		0.00
Traffic Analysis			0.00		0.00		0.00
Traffic Counts (1 per site)			0.00		0.00		0.00
Signal Warrant Analysis (1 per site)			0.00		0.00		0.00
Special Details			0.00		0.00		0.00
			0.00		0.00		0.00
UTILITY SHEETS							
Utility Sheets	2.00	0.10	0.20	0.25	0.50	0.25	0.50
			0.00		0.00		0.00
DRAINAGE SECTIONS							
Pipe&Culvert X-Sect./Profiles	3.00	0.15	0.45	0.50	1.50	0.25	0.75
			0.00		0.00		0.00
			0.00		0.00		0.00
LIGHTING							
Plan Layout			0.00		0.00		0.00
Special Details			0.00		0.00		0.00
			0.00		0.00		0.00
EROSION CONTROL							

ROADWAY PLANS SHEET TITLE	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/SHEET	TOTAL	DAYS/SHEET	TOTAL	DAYS/SHEET	TOTAL
Erosion Control Layout	2.00	0.10	0.20	0.25	0.50	0.20	0.40
Erosion Control Details	0.50	0.10	0.05	0.25	0.13	0.20	0.10
ROADWAY CROSS SECTIONS							
Main Roadway			0.00		0.00		0.00
Crossroads	15.00	0.10	1.50	0.25	3.75	0.10	1.50
Earthwork Balancing	1.00	0.25	0.25	0.50	0.50	0.25	0.25
			0.00		0.00		0.00
SUB-TOTAL	46.75		7.43		16.86		12.17
REVIEW MEETINGS							
Design Criteria/Kickoff							
30% Review							
60% Review							
90% Review							
Stormwater Permits			0.25				
Drainage Report			0.25		0.50		0.25
Cost Estimates			0.25		0.50		0.25
Design Hearing							
			0.00		0.00		0.00
			0.00		0.00		0.00
			0.00		0.00		0.00
SUB-TOTAL			0.75		1.00		0.50
TOTAL MAN-DAYS			8.18		17.86		12.67

8/1/2014

City of Huntsville Engineering Division

11:44 AM

Project No.	65-13-RD02		
Project Name	Greenbrier Parkway, Phase I		
Description	From North of I-565 to North of Old Highway 20		
Scope of Work	Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical		
Project Length	2.0 Miles		
C.O.H. Project Engineer	Christopher McNeese		
Engineering Consultant	Garver, LLC		
Fee Proposal (Roadway Plans)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	8.18	\$ 1,408.00	\$ 11,517.44
Design Engineer	17.86	\$ 984.00	\$ 17,574.24
Engineer Tech. / CADD	12.67	\$ 728.00	\$ 9,223.76
Clerical	1.00	\$ 376.00	\$ 376.00
	Sub-Total		\$ 38,691.44
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
S&ME, Inc. (Geotechnical Investigations)			\$ 1,500.00
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ 75.00
	Sub-Total		\$ 1,575.00
TOTAL LABOR			\$ 40,266.44

8/1/2014

City of Huntsville Engineering Division

11:43 AM

Project No. 65-13-RD02
Project Name Greenbrier Parkway, Phase I
Description From North of I-565 to North of Old Highway 20
Scope of Work Additional Field Surveys, Right-of-Way, Roadway Plans, and Geotechnical
Project Length 2.0 Miles
C.O.H. Project Engineer Christopher McNeese
Engineering Consultant Garver, LLC
Out-of-pocket Expenses (Roadway Plans)

PRINTING / REPRODUCTION COST					
Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
90% Review 1/2-Size Plans submittal (11"x17")	3	47	141	\$ 0.20	\$ 28.20
100% Complete - Construction Plans (22"x34")	2	47	94	\$ 2.50	\$ 235.00
100% Complete - Construction Plans (11"x17")	3	47	141	\$ 0.20	\$ 28.20
			0		\$ -
			0		\$ -
			0		\$ -
Total Printing/Reproduction C					\$ 291.40

Communication Cost (telephone, fax, etc.)	Total
	\$ 50.00

Postage Cost (overnight, stamps, etc.)	Total
	\$ 25.00

Other (provide description on next line)	Total
Miscellaneous In-House Printing, Agency Submittals, Permits, Utilities, etc.	\$ 500.00

Total Out-of-pocket Expenses \$ 866.40

Comments:



June 13, 2014

Garver, LLC
5125A Research Drive
Huntsville, Alabama 35805

Attention: Mr. Scott Leach, P.E.

Subject: Change Request for Geotechnical Engineering Services
Greenbrier Parkway Phase One
Huntsville, Limestone County, Alabama
S&ME ProjectNumber: 1282-14-029

S&ME, Inc. (S&ME) is pleased to submit this change request to our contract to provide additional Geotechnical Engineering Services for the expanded limits and work plan change for the Huntsville Greenbrier Parkway Phase One. S&ME Proposal 12-103, dated October 24, 2012, was authorized via Work Order No. 12057000.

PROJECT CHANGES & ADDITIONAL SCOPE OF SERVICES

Project information was provided by Mr. Scott Leach of Garver to Mr. Jeremy Jess of S&ME on June 12, 2014. The schedule for the work included a single mobilization to the site and for drilling. As requested by one of the farmers/landowners, S&ME will mobilize as requested to the site two times to reduce damage to the existing crops on the property. In addition, 1400 feet of widening was added to Old Highway 20 east of the Greenbrier Parkway intersection. The lengthening will add two borings to a depth of 10 feet to the original scope.

CHANGE IN FEES

S&ME proposes to provide the additional services for a fee of **\$1,500.00**. The revised budget for our Geotechnical Engineering Services, including the original scope of services will be \$14,077.70. These services are proposed to be amended to the existing contract which was outlined in Work Order 12057000.

CLOSING

S&ME, Inc. appreciates the opportunity to offer our services to Garver for this project. If you should have questions concerning this proposal, please contact us.

Respectfully submitted,
S&ME, Inc.


Jeremy C. Jess, PE
Project Engineer


Jeffrey C. Pepper, PE
Senior Geotechnical Engineer

Attached: Additional Budget Spreadsheet

Additional Budget
GREENBRIER PARKWAY
Huntsville, Limestone County, Alabama

ITEM	Quantity	Unit	UNIT RATE	TOTAL
Project Planning & Coordination				
Staff Professional 4 (per hr)	2	Hour	\$ 95.00	\$ 190.00
Mileage (per mi)	30	Mile	\$ 0.56	\$ 16.65
Project Planning Subtotal				\$ 206.65
Surveying / Boring Stake Out				
Provided by Garver				
Surveying Subtotal				\$ -
Drilling Program				
Mobilization / Demob.	1	Each	\$ 400.00	\$ 400.00
Soil Testing (SPT) (per ft)	20	Ft.	\$ 12.45	\$ 249.00
Rock Core (NQ) (per ft)	0	Ft.	\$ 40.00	\$ -
Sample Jars (each)	0	Each	\$ 2.00	\$ -
Drilling Program Subtotal				\$ 649.00
Field Engineering				
Staff Professional 2 (per hr)	0	Hour	\$ 75.00	\$ -
Staff Professional 4 (per hr)	6	Hour	\$ 95.00	\$ 570.00
Per Diem (per man day)	0	Day	\$ 75.00	\$ -
Mileage (per mi)	48	Mile	\$ 0.56	\$ 26.64
	3			
Field Engineering Subtotal				\$ 596.64
Laboratory Testing				
Soil Classification with hydrometer	0	Each	\$ 150.00	\$ -
Natural Moisture (each)	6	Each	\$ 8.00	\$ 48.00
pH (each)	0	Each	\$ 12.00	\$ -
Sulfates (each)	0	Each	\$ 95.00	\$ -
Chlorides (each)	0	Each	\$ 95.00	\$ -
Resistivity (each)	0	Each	\$ 65.00	\$ -
mr	0	Each	\$ 330.00	\$ -
Laboratory Testing Subtotal				\$ 48.00
Report Generation Subtotal				\$ -
Total Budget Estimate				\$ 1,500.29

Garver, LLC

2014 Hourly Rate Schedule (Valid Thru February 28, 2015)

	Classification	2014 Rates
Engineers / Architects		
	M-1	300.00
	E-6	215.00
Scott C. Leach, PE	E-5	176.00
	E-4	140.00
Patra Crenshaw, Andy Dinges, Zack Turner	E-3	123.00
	E-2	111.00
Kendall Brown, EI	E-1	91.00
Planners		
	P-2	132.00
	P-1	110.00
Designers		
	D-4	138.00
	D-3	116.00
	D-2	107.00
	D-1	82.00
Technicians		
	T-3	102.00
Amanda Mason	T-2	87.00
	T-1	76.00
Surveyors		
	S-6	163.00
Wade Carpenter	S-5	111.00
	S-4	90.00
	S-3	67.00
	S-2	52.00
	S-1	41.28
	1-Man Crew (Survey)	133.00
	2-Man Crew (Survey)	160.00
	3-Man Crew (Survey)	198.00
Mark Storey, Stephen Few, Randall Byrd	2-Man Crew (GPS Survey)	178.00
	3-Man Crew (GPS Survey)	215.00
Construction Observation		
	C-4	192.00
	C-3	152.00
	C-2	112.00
	C-1	83.00
Administration		
	M-1	262.00
	X-4	108.00
	X-3	83.00
	X-2	62.00
Peggy Bridgeman, Elizabeth Aaron	X-1	47.00
Intern		
	I-1	47.00

FIGURE 2



** GREENBRIER ROAD EXISTING RAILROAD CROSSING WILL BE CLOSED AND REMOVED AFTER GREENBRIER PARKWAY PROPOSED RAILROAD CROSSING IS CONSTRUCTED. A NEW CUL-DA-SAC WILL BE CONSTRUCTED ON EACH SIDE OF NORFOLK SOUTHERN RAILROAD AS SHOWN.

GREENBRIER PARKWAY AND NORFOLK SOUTHERN PROPOSED RAILROAD CROSSING

GREENBRIER ROAD

NORFOLK SOUTHERN RAILROAD

GREENBRIER PARKWAY

PLAN VIEW	
EX PWMT (RETAIN)	[White box]
EX PWMT (REMOVE)	[Cross-hatched box]
EX PWMT (RETAIN AND OVERLAY)	[Diagonal hatched box]
PROP PWMT	[Blue box]