

RESOLUTION 15-43

A RESOLUTION TO APPROVE ADDENDUM NO. 2, OF THE PROFESSIONAL SERVICES AGREEMENT WITH CDM SMITH, INC. FOR FIELD SURVEYING, RIGHT OF WAY EXHIBIT DRAWINGS, LEGAL DESCRIPTION UPDATES, RIGHT OF WAY APPRAISALS, RIGHT OF WAY ACQUISITIONS, AND RIGHT OF WAY APPRAISAL REVIEWS FOR DUPLEX ROAD WIDENING PROJECT

WHEREAS, Requests for Proposals for this project were received on February 6, 2009, and City Staff were authorized to negotiate a contract with CDM Smith Inc., formerly known as Wilbur Smith Associates for the above referenced project on March 16, 2009, per Resolution 09-13; and

WHEREAS, the Board of Mayor and Aldermen for the City of Spring Hill has approved a contract with CDM Smith Inc., formerly known as Wilbur Smith Associates for the Engineering and Design of improvements to Duplex Road (SR 247)

WHEREAS, this project shall be conducted consistent with the requirements of the Tennessee Department of Transportation Locally Managed Program; and

WHEREAS, the scope of the Addendum 2, (See attached documentation) is attached to this resolution and consists the above mentioned worked for right of way acquisition assistance; and

WHEREAS, the fee schedule below, is as stated in agreement as “Addendum 2”:

<u>SERVICE</u>	<u>Cost</u>
<u>Field Survey:</u>	
Update 29 Tracts due to Construction of New Homes, Fences, Utilities, and Sidewalks	
Sub Total	\$20,683.06
<u>Plans Update</u>	
Plans Revisions based on Title Reports, Additional Field Survey and Exhibit Drawings	
Sub Total	\$24,284.77
<u>Right of Way Appraisals and Acquisitions</u>	
Appraisals, Acquisition, and Review Appraisal,	
Sub Total	\$47,125.00
Total Addendum No. 2 services	\$92,092.83
Original Contracted Amount	\$1,587,627.00
Contract Including Addendum No. 1	\$2,812,827.00
Total Contract Including Addendum No. 2	<u>\$2,904,919.83</u>

NOW, THEREFORE BE IT RESOLVED, that the Board of Mayor and Aldermen approve the cost of Addendum 2, (See Attached Documentation) in the amount of \$92,092.83 Amounts for any additional phase of services shall be brought before the Board of Mayor and Aldermen for approval and ratification of negotiated amounts at future public meetings.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee, this 18th day of May, 2015.



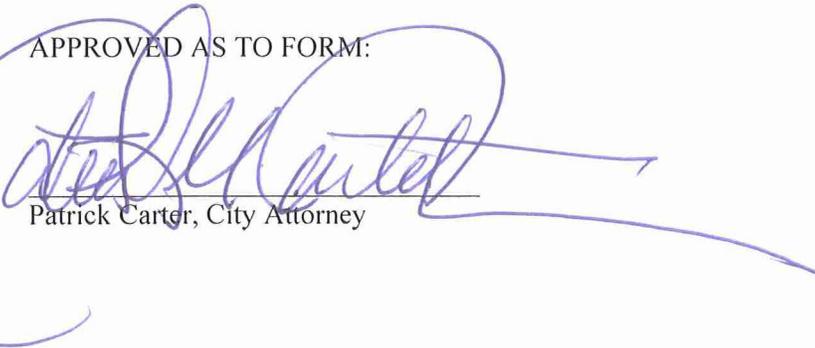
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

APPROVED AS TO FORM:



Patrick Carter, City Attorney



210 25th Avenue North, Suite 1102
Nashville, Tennessee 37203
tel: 615-320-3161
fax: 615-320-6560

April 16, 2015

Mr. Victor Lay, City Administrator
City of Spring Hill
199 Town Center Parkway
Spring Hill, TN 37174

RE: STP-M-247(9), 60LPLM-F2-019
SR-247 (Duplex Road)
From SR-6 to West of I-65
Maury and Williamson County

Dear Mr. Lay:

We are pleased to submit this scope and estimate for work on the above referenced project. Changes along the project corridor have increased the number of properties from which right-of-way will be acquired and altered the topography adjacent to the road. The additional work will be necessary to update the topographic survey and appraise and acquire right-of-way from the additional properties affected by the project. The total work order request is for \$ **92,092.83**. In summary, the requested estimate is distributed as follows:

Tasks	Fees
Field Survey Update	\$ 20,683.06
Process Field Survey, ROW Exhibit Drawings and Legal Description Updates	\$ 24,284.77
ROW Appraisals and Acquisitions	\$ 36,400.00
ROW Appraisal Reviews	\$ 10,725.00
Total	\$ 92,092.83

This estimate for CDM Smith's portion of the work includes our contracted overhead rate of 176.14% for Federally Funded projects with a fee of 13.0% calculated on a multiplier of 2.35. If you have any questions or comments please let us know.

Sincerely,

John Hunter, PE
Client Service Manager
CDM Smith Inc.





cc: Dan Allen, P.E. – City of Spring Hill
Patrick Murray, P.E. – CDM Smith
Jeff Mize, P.E. – CDM Smith
Randy Button – Randy Button & Associates
Gary Standifer – Standifer & Associates
Ed Adams – Adams & Company Surveyors
Brent Campbell – Southeast Title

Attachments: Exhibit A – Project Scope
Exhibit B – Field Survey Estimate
Exhibit C – Field Survey Processing, ROW Exhibits and Legal Descriptions Estimate
Exhibit D – ROW Appraisals and Acquisitions Estimate
Exhibit E – ROW Appraisals Review Estimate

**Exhibit A
Project Scope**

STP-M-247(9), 60LPLM-F2-019
SR-247 (Duplex Road)
From SR-6 to West of I-65
Maury and Williamson County

April 16, 2015

CDM Smith is pleased to submit this scope of services for additional work on the above referenced project. This additional work results from changes that have occurred along the project corridor since the previous contract addendum.

This proposal includes work required to perform an update of the topographical survey, to appraise and acquire right-of-way from additional properties affected by the project and to make the associated revisions to the design plans including:

- An update of the topographical survey due to changes along the project. This work will be performed by Adams & Company Surveyors. See Exhibit B.
- The processing of the field data from the topographical survey. This work will be performed by CDM Smith. See Exhibit C.
- Update legal descriptions and design plans based on title search information. This work will be performed by CDM Smith. See Exhibit C.
- The development of twelve (12) right-of-way exhibits. These exhibits were requested by Randy Button & Associates but the exhibits will be generated by CDM Smith. See Exhibit C.
- The appraisal and acquisition fees for thirteen (13) right-of-way tracts that have been added to the project. This work will be performed by Randy Button & Associates. See Exhibit D.
- The appraisal review fees for eleven (11) right-of-way tracts that have been added to the project. This work will be performed by Standifer & Associates. See Exhibit E.

CDM Smith appreciates the opportunity to continue to support the design and future construction of Duplex Road and provide these design services to the City of Spring Hill. If you have any questions about this proposal, please do not hesitate to contact us. We are ready to initiate this work upon your notice to proceed.

TENNESSEE DEPARTMENT OF TRANSPORTATION
MANDAY ESTIMATE AND FEE PROPOSAL

For Survey Only

SR-247 (Duplex Road)

From SR-6 (US-31, Main Street) in Spring Hill to 0.11 Miles West of I-65

Maury & Williamson County

Project Identification Number (PIN): <000000.00>

General Comments:

We will be updating the topographic survey of twenty-nine (29) tracts due to the construction of new homes, fences, utilities, sidewalks, etc. that have been added since the previous survey. These are the tracts: 182 (fence), 208 (fence), 212 (house and fence), 214 (house and fence), 216-218 (fences), 220 (house and fence), 224-225 (fences), 226, 228, 230 (houses and fences), 232 (fence), 239-240 (houses and fences), 247 (fence), 248 (house and fence), 267-277 (houses and fences)

Adams & Company Surveyors, LLC

Ed Adams

1113 Murfreesboro Road, Suite 309A Franklin, TN 37064

(615) 370-8830

(615) 370-8845

edams@aol.com

Prepared By:

Ed Adams

Date prepared:

12/15/2014

Project No.:

<00000-0000-00>



Version 2.24

SURVEY SUMMARY



Survey Summary

Route: SR-247 (Duplex Road) #####
 Description: From SR-6 (US-31, Main Street) in Spring Hill to 0.11 Miles West of I-65
 County: Maury & Williamson

Consultant: Adams & Company Surveyors, LLC
 Prepared By: Ed Adams
 Project No.: <00000-0000-00>

Mainline Project Length: (miles)
 Number of Sideroads: Length: (feet)
 Office Travel Time per day (hrs):
 Crew Travel Time per day (hrs):
 Crew Work per day (hrs):

Number of Existing Lanes: Proposed:
 Number of Driveways/Ramps:

Location:
 Existing Road: Rural:
 New Alignment: Urban:
 Business:

Rural Land Character: Woods: Terrain: Flat:
 Pasture: Rolling:
 Cultivated: Hilly:
 Mountains:

Distance to Nearest Benchmark: miles
 Number of Survey Updates: R.O.W. Staking:
 Iron Pins:
 Aerial Mapping Available: YES 1 Stake Points:
 NO 2 Stake Points:

Approximate Obscured Area: Use 100% if no mapping is available.
 Proposed DTM Width: (ft)

Drainage:
 Approx. Number of Culvert Sites: Geotechnical Staking:
 Points:
 Number of Bridges: Small: Medium: Large:

Approx. Number of Property Tracts: Number of Railroad Crossings:

Indicate Utilities Present: Elect. Telephone Cable TV:
 Water Sewer: Gas:
 Fiber Optic Petroleum Pipeline

Comments on Difficulty, Conditions or Other Considerations:

INPUT SIDEROADS LT & RT OF CENTERLINE	
Sideroad Name	Length (feet)
Total Length <input type="text" value="0"/>	

Version 2.24

SURVEY MANDAY ESTIMATE

ESTIMATE FOR FIELD SURVEYS

PROJECT DESCRIPTION:

Version 2.24

Route: SR-247 (Duplex Road)

Description: From SR-6 (US-31, Main Street) in Spring Hill to 0.11 Miles West of I-65

County: Maury & Williamson Prepared By: Ed Adams

Consultant: Adams & Company Surveyors, LLC Date Prepared: #####

Project No.: <00000-0000-00>

TOTAL LENGTH(miles): 3.25
 OFFICE TRAVEL TIME PER DAY(hrs): 0.80
 CREW TRAVEL TIME PER DAY(hrs): 0.80



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									
2. Update Survey	2.4		5.4	5.4	5.4	5.4			24.0
3. Control Traverses									
4. Set Aerial Control									
5. Bench Levels									
6. Develop Digital Terrain Model									
7. R.O.W., Deed & Utility Research									
8. Property Owner Contact									
9. Locate Property & Pres. R.O.W. Lines									
10. Obtain Topo/Verify Aerial									
11. Drainage Surveys (Culverts)									
12. Bridge Surveys (bridge details, stream alignment, topo, profile, flood plain sections, high water, etc.									
13. Railroad Surveys									
14. Utilities									
15. Stake R.O.W. & Easements									
16. Stake Sounding Holes									
17. Note Reduction & other Calculations	1.7								1.7
18. Plot Plan, Profiles, Property Map, Drainage Map, Bridge Survey, Control Point Table, etc.									
19. Supervision	3.3								3.3
20. Travel Time (8 HOUR MAN-DAYS)	0.3		0.6	0.6	0.6	0.6			2.7
TOTALS (8 HOUR MAN-DAYS)	7.7		6.0	6.0	6.0	6.0			31.7
21. Travel Time (10 HOUR MAN-DAYS)	0.3		0.5	0.5	0.5	0.5			2.3
TOTALS (ADJ. TO 8 & 10 HR MAN-DAYS)			4.6	4.6	4.6	4.6			26.1
TOTAL CALENDAR DAYS SAVED			1.4	1.4	1.4	1.4			

SURVEY MANDAY ESTIMATE

PROJECT DESCRIPTION:

Version 2.24

Route: SR-247 (Duplex Road)
 Description: From SR-6 (US-31, Main Street) in Spring Hill to 0.11 Miles West of I-65
 County: Maury & Williamson
 Consultant: Adams & Company Surveyors, LLC
 Project No.: <00000-0000-00>

TOTAL LENGTH(miles): 3.25

Date Prepared: ##### Prepared By: Ed Adams



	OFFICE DIFFICULTY	FIELD DIFFICULTY	REMARKS
Align.	0.0	0.0	
Update	0.9	0.9	2 Survey Updates
Control	0.0	0.0	
Aerial	0.0	0.0	0 0 NUMBER HORIZONTAL & NUMBER VERTICAL POINTS
Levels	0.0	0.0	ZERO IF NOT REQUIRED
DTM	0.0	0.0	0% PERCENT SKIPS 200 DTM WIDTH(feet)
Research	1.0	1.0	0 NUMBER OF TRACTS
Contacts	1.0	1.0	
Property	1.0	1.0	DO NOT EDIT THESE CELLS
Topo	0.0	0.0	
Culverts	0.0	0.0	
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	0.0	0.0	7 Number of Different Utilities Involved
R.O.W.	1.0	1.0	DO NOT EDIT THESE CELLS
Geotech.	1.0	1.0	
	0.5		0 0 0 Number of IP's, 1-stake, 2-stakes
Plotting	1.0		0 Number of Geotechnical Staking Points
	1.0		7.3 10 - Hr MD/MILE not including travel
	1.0	1.0	8.0 10 - Hr MD/MILE
			8.9 8 - Hr MD/MILE not including travel
			9.8 8 - Hr MD/MILE

SURVEY LABOR DIRECT EXPENSES

SURVEY DIRECT LABOR COST

PROJECT DESCRIPTION:
 ROUTE: SR-247 (Duplex Road)
 DESCRIPTION: From SR-6 (US-31, Main Street) in Spring Hill to 0.11 Miles West of I-65
 COUNTY: Maury & Williamson
 CONSULTANT: Adams & Company Surveyors, LLC
 TOTAL LENGTH(miles): 3.25
 Prepared By: Ed Adams
 Date Prepared: 12/15/2014



	Abbrev.	Personnel Classification	8 - Hr Man-Days	10 - Hr Man-Days	Approved Hours	Rate Per Hr	Direct Labor	* Premium
1	PM	PROJECT MANAGER	7.7		8.0	\$ 39.16	\$ 2,412.26	
2	O	OFFICE CADD TECH.	0.0		8.0	\$ 35.00	\$ -	
3	P	PARTY CHIEF	6.0	4.6	10.0	\$ 31.44	\$ 1,446.24	
4	I	INSTR. MAN	6.0	4.6	10.0	\$ 19.20	\$ 883.20	
5	R	RODMAN	6.0	4.6	10.0	\$ 15.00	\$ 690.00	
6	R	RODMAN	6.0	4.6	10.0	\$ 15.00	\$ 690.00	
7	F	FLAGGER	0.0	0.0	10.0	\$ 12.00	\$ -	\$ -
8	F	FLAGGER	0.0	0.0	10.0	\$ 12.00	\$ -	\$ -
		TOTALS	31.7	18.4			\$ 6,121.70	\$ -
		TOTALS (Combined 8 & 10 Hour Days)		26.1				

Average Direct Labor Cost Per (Combined 8 - Hour & 10 - Hour) Man-Day	\$ 234.55
Modified 8 - Hour Labor Cost Per Man-Day	\$ 199.40

* Premium Labor is only eligible if the survey crew works greater than a 40 hour work week.

Version 2.24

SURVEY DIRECT EXPENSES						
PROJECT DESCRIPTION: ROUTE: SR-247 (Duplex Road) DESCRIPTION: From SR-6 (US-31, Main Street) in Spring Hill to 0.11 Miles West of I-65 COUNTY: Maury & Williamson CONSULTANT: Adams & Company Surveyors, I TOTAL LENGTH(miles): 3.25 Prepared By: Ed Adams Date Prepared: 12/15/2014 Project No.: <00000-0000-00>						
						
				Item Subtotal	Item Total Cost	
Reproduction Costs						
	Item Description	Number / Unit	Unit Price			
	Xerographic Bond	0	\$ 49.04	\$	-	
	Blueline Fullsize	0	\$ 0.25	\$	-	
	Photo-Copies	0	\$ 0.25	\$	-	
	Deeds	0	\$ 0.50	\$	-	
				Subtotal	\$	-
Travel						
Survey Crew Travel Calculations						
From:	Franklin, TN					
To:	Spring Hill, TN					
	Number of Trips	No. of Miles/No. of People	* RATE			
Travel Day Per Diem	1.00 Man-Days	X 0.00 People X	\$ 0.00 Per Day	\$	-	
Non Travel Day Per Diem	4.00 Man-Days	X 0.00 People X	\$ 0.00 Per Day	\$	-	
Transportation	5.00 Man-Days	X 40.00 Miles X	\$ 0.47 Per Mile	= \$	94.00	
Lodging	4.00 Nights	X 0.00 People X	\$ 0.00 Per Person	\$	-	
				Subtotal	= \$	94.00
Office Personnel Travel Calculations						
From:						
To:						
	Number of Trips	No. of Miles/No. of People	* RATE			
Travel Day Per Diem	0.00 Man-Days	X 0.00 People X	\$ 0.00 Per Day	\$	-	
Non Travel Day Per Diem	0.00 Man-Days	X 0.00 People X	\$ 0.00 Per Day	\$	-	
Transportation	0.00 Round Trips	X 0.00 Miles X	\$ 0.47 Per Mile	\$	-	
Lodging	0.00 Nights	X 0.00 People X	\$ 0.00 Per Person	\$	-	
				Subtotal	\$	-
Other Expenses						
	Item Description	Number / Unit	Unit Price			
	FIELD BOOK	0	\$ 6.55	\$	-	
	PK NAILS	0.3	\$ 12.99	\$	3.90	
	PAINT	1	\$ 4.00	\$	4.00	
	FLAGGING	1	\$ 1.00	\$	1.00	
	STAKES (BUNDLES)	2	\$ 25.00	\$	50.00	
		0	\$ -	\$	-	
		0	\$ -	\$	-	
				Subtotal	\$	58.90
TOTAL DIRECT EXPENSES					\$	152.90

* 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

FEE PROPOSAL			
ROUTE:	SR-247 (Duplex Road)	Project No.:	<00000-0000-00>
DESCRIPTION:	From SR-6 (US-31, Main Street) in Spring Hill to (PIN No.:		<000000.00>
COUNTY:	Maury & Williamson		
CONSULTANT:	Adams & Company Surveyors, LLC		
Prepared By:	Ed Adams		
Date Prepared:	12/15/2014		
COMPLETE SURVEY SHEETS FIRST IF SURVEY IS INCLUDED IN THE CONTRACT. PROCEED WITH FEE PROPOSAL IF SURVEY IS NOT INCLUDED			
This sheet computes percent net fee and performs fee proposal calculations for each phase of the project and total project. Enter the appropriate overhead rate & fill in shaded boxes that apply for each phase.			
			Version 2.24
Data For Fee Calculations			
Overhead Rate =	2.0482	**	
** (State Project Maximum overhead rate = 1.45)			
** (Federal Project Maximum overhead rate per External Audit Report)			
Design Direct Labor =	\$	-	
Survey Direct Labor =	\$	6,121.70	
Total Direct Labor =	\$	6,121.70	
Cost for net fee basis =	\$	18,660.15	* NOTE: Net Fee for Supplements shall be the same as the original contract. It may be necessary to modify net fee calculated on supplement requests.
Net Fee = (Rounded to Nearest Tenth		13.0%	*
* Net fee is based on cost of contract not including direct cost and net fee as follows:			
Survey & Design / Design Only Rates		Survey Only Rates	
\$ 0 - \$ 100,000 =	13.0%	\$ 0 - \$ 50,000 =	13.0%
\$ 100,000 - \$ 500,000 =	12.5%	\$ 50,000 - \$ 200,000 =	12.5%
> \$ 500,000 =	12.0%	> \$200,000 =	12.0%
(Place X in adjacent box to remove instructions prior to printing.)			
SURVEYS			
		COST FOR	COST FOR SAVINGS FOR
		10 - Hr Days	8-HR DAY 10 - Hr Days
1 Direct Labor	=	\$ 6,121.70	\$ 6,282.98 \$ 161.28
2 Overhead (Overhead Rate = 2.0482)	=	\$ 12,538.46	\$ 12,868.79 \$ 330.33
(Overhead rate X direct labor)			
3 Subtotal 1 + 2	=	\$ 18,660.16	\$ 19,151.77 \$ 491.61
4 Net Fee = 13.0% (Rounded to nearest \$10.)	=	\$ 1,870.00	\$ 1,919.45 \$ 49.45
(Direct labor X 2.35 X 0.NF)			
5 Subtotal 3 + 4	=	\$ 20,530.16	\$ 21,071.22 \$ 541.06
6 Direct Expense	=	\$ 152.90	\$ 171.70 \$ 18.80
7 Premium Labor	=	\$ -	\$ - \$ -
(Premium Labor is only eligible if the survey crew works greater than a 40 hour work week.)			
8 Total Survey (Total 5 + 6 + 7)	=	\$ 20,683.06	\$ 21,242.92 \$ 559.86

FEE PROPOSAL

		Version 2.24	
Preliminary Design			
1	Direct Labor	=	\$ -
2	Overhead (Overhead Rate = <u>2.0482</u>) (Overhead rate X direct labor)	=	\$ -
3	Subtotal 1 + 2	=	\$ -
4	Net Fee = 13.0% (Rounded to nearest \$10.) (Direct labor X 2.35 X 0.NF)	=	\$ -
5	Subtotal 3 + 4	=	\$ -
6	Direct Expense	=	\$ -
7	Premium Labor	=	\$ -
8	Total Preliminary Plans (Total 5 + 6 + 7)	=	\$ -
Right-of-Way Design			
1	Direct Labor	=	\$ -
2	Overhead (Overhead Rate = <u>2.0482</u>) (Overhead rate X direct labor)	=	\$ -
3	Subtotal 1 + 2	=	\$ -
4	Net Fee = 13.0% (Rounded to nearest \$10.) (Direct labor X 2.35 X 0.NF)	=	\$ -
5	Subtotal 3 + 4	=	\$ -
6	Direct Expense	=	\$ -
7	Premium Labor	=	\$ -
8	Total Right-of-Way Plans (Total 5 + 6 + 7)	=	\$ -

FEE PROPOSAL

		Version 2.24	
Construction Design			
1	Direct Labor	=	\$ -
2	Overhead (Overhead Rate = <u>2.0482</u>) (Overhead rate X direct labor)	=	\$ -
3	Subtotal 1 + 2	=	\$ -
4	Net Fee = 13.0% (Rounded to nearest \$10.) (Direct labor X 2.35 X 0.NF)	=	\$ -
5	Subtotal 3 + 4	=	\$ -
6	Direct Expense	=	\$ -
7	Premium Labor	=	\$ -
8	Total Construction Plans (Total 5 + 6 + 7)	=	\$ -
Total Project			
1	Direct Labor (Sum of Survey, Prel., R.O.W., & Const. Direct Labor)	=	\$ 6,121.70
2	Overhead (Overhead Rate = <u>2.0482</u>) (Overhead rate X direct labor)	=	\$ 12,538.47
3	Subtotal 1 + 2	=	\$ 18,660.17
4	Net Fee = 13.0% (Rounded to nearest \$10.) (Sum of Survey, Prel., R.O.W., & Const. Net Fee)	=	\$ 1,870.00
5	Subtotal 3 + 4	=	\$ 20,530.17
6	Direct Expense (Itemize and attach) (Sum of Survey, Prel., R.O.W., & Const. Direct Expenses)	=	\$ 152.90
7	Premium Labor (Sum of Survey, Prel., R.O.W., & Const. Premium Labor)	=	\$ -
8	Total Project (Total 5 + 6 + 7)	=	\$ 20,683.07
		Total Contract	\$ 20,683.07
		DESIGN COST PER MILE	#DIV/0!
		SURVEY COST PER MILE	\$ 6,316.97
		TOTAL COST PER MILE	#DIV/0!

FEE PROPOSAL SUMMARY

FEE PROPOSAL SUMMARY

ROUTE: SR-247 (Duplex Road) Project No.: <00000-0000-00>
 DESCRIPTION: From SR-6 (US-31, Main Street) in Spring PIN No.: <000000.00>
 COUNTY: Maury & Williamson
 CONSULTANT: Adams & Company Surveyors, LLC
 Prepared By: Ed Adams



Date Prepared: 12/15/2014
 mark the appropriate box below an values for the initial ceiling will be calculated.

Version 2.24

Survey Fee Proposal Summary								
	Direct Labor	Overhead	Subtotal Direct Labor & Overhead	Net Fee	Subtotal Direct Labor, Overhead, & Net Fee	Direct Expense	Premium Labor	Total Phase
SURVEY	\$ 6,121.70	\$ 12,538.46	\$ 18,660.16	\$ 1,870.00	\$ 20,530.16	\$ 152.90	\$ -	\$ 20,683.06

Design Fee Proposal Summary								
	Direct Labor	Overhead	Subtotal Direct Labor & Overhead	Net Fee	Subtotal Direct Labor, Overhead, & Net Fee	Direct Expense	Premium Labor	Total Phase
PRELIMINARY PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RIGHT-OF-WAY PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Preliminary & Right-of-Way Plans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONSTRUCTION PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Preliminary, R.O.W., & Construction Plans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Total Survey & Design	\$ 6,121.70	\$ 12,538.46	\$ 18,660.16	\$ 1,870.00	\$ 20,530.16	\$ 152.90	\$ -	\$ 20,683.06
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(Place a X in appropriate box indicating the point of the initial contract ceiling. Only one (1) block should have an X placed.)
 (Note: (Survey thru Const. Plans) can be checked if no initial contract ceiling is to be set.)

- Survey
- Survey thru Prel. Plans
- Survey thru R.O.W. Plans
- Survey thru Const. Plans
- Prel. Plans
- Prel & R.O.W. Plans
- Prel. Thru Const. Plans

INITIAL CONTRACT CEILING								
	Direct Labor	Overhead	Subtotal Direct Labor & Overhead	Net Fee	Subtotal Direct Labor, Overhead, & Net Fee	Direct Expense	Premium Labor	Total Ceiling
Contract will initially be authorized for:								

(Place X in adjacent box to remove instructions prior to printing.)

TENNESSEE DEPARTMENT OF TRANSPORTATION
MANDAY ESTIMATE AND FEE PROPOSAL

For Survey Only

Duplex Road

Spring Hill, TN

Maury/Williamson County

Project Identification Number (PIN): STP/HHP-247(10

General Comments:

Update plans based on Title Reports, Process Additional Field Survey and Exhibit Drawings

CDM Smith

Patrick Murry, PE, CPESC

210 25th Avenue North, Suite 1102

Nashville, TN 37203

615-340-6540

murryrp@cdmsmith.com

Prepared By:

David Taylor

Date prepared:

2/3/2015

Project No.:

<00000-0000-00>



SURVEY DIRECT LABOR COST

PROJECT DESCRIPTION:
 ROUTE: Duplex Road
 DESCRIPTION: Spring Hill, TN
 COUNTY: Maury/Williamson
 CONSULTANT: CDM Smith
 TOTAL LENGTH(miles): 0.00

Prepared By: David Taylor
 Date Prepared: 2/3/2015



	Abbrev.	Personnel Classification	8 - Hr Man-Days	10 - Hr Man-Days	Approved Hours	Rate Per Hr	Direct Labor	Premium
1	PM	PROJECT MANAGER	6.5		8.0	\$ 41.50	\$ 2,158.00	
2	O	OFFICE CADD TECH.	24.0		8.0	\$ 30.00	\$ 5,760.00	
3	P	PARTY CHIEF	0.0	0.0	10.0	\$ -	\$ -	\$ -
4	I	INSTR. MAN	0.0	0.0	10.0	\$ -	\$ -	\$ -
5	R	RODMAN	0.0	0.0	10.0	\$ -	\$ -	\$ -
6	R	RODMAN	0.0	0.0	10.0	\$ -	\$ -	\$ -
7	F	FLAGGER	0.0	0.0	10.0	\$ -	\$ -	\$ -
8	F	FLAGGER	0.0	0.0	10.0	\$ -	\$ -	\$ -
		TOTALS	30.5	0.0			\$ 7,918.00	\$ -

Average Direct Labor Cost Per (Combined 8 - Hour & 10 - Hour) Man-Day	\$ 259.61
Modified 8 - Hour Labor Cost Per Man-Day	\$ 259.61

Version 2.21

FEE PROPOSAL

FEE PROPOSAL				
ROUTE: Duplex Road	Project No.: <00000-0000-00>			
DESCRIPTION: Spring Hill, TN	PIN No.: STP/HHP-247(10)			
COUNTY: Maury/Williamson				
CONSULTANT: CDM Smith				
Prepared By: David Taylor				
Date Prepared: 2/3/2015				
Version 2.21				
Data For Fee Calculations				
Overhead Rate = 1.7614 **				
** (State Project Maximum overhead rate = 1.45)				
** (Federal Project Maximum overhead rate per External Audit Report)				
Design Direct Labor =	\$	-		
Survey Direct Labor =	\$	7,918.00		
Total Direct Labor =	\$	7,918.00		
Cost for net fee basis =	\$	21,864.77 *		
Net Fee = (Rounded to Nearest Tenth		13.0% *		
* Net fee is based on cost of contract not including direct cost and net fee as follows:				
Survey & Design / Design Only Rates		Survey Only Rates		
\$ 0 - \$ 100,000 =	13.0%	\$ 0 - \$ 50,000 =	13.0%	
\$100,000 - \$ 500,000 =	12.5%	\$ 50,000 - \$ 200,000 =	12.5%	
> \$ 500,000 =	12.0%	> \$200,000 =	12.0%	
<input checked="" type="checkbox"/> Remove X to display instructions.				
SURVEYS				
		COST FOR	COST FOR	SAVINGS FOR
		10 - Hr Days	8-HR DAY	10 - Hr Days
1 Direct Labor	=	\$ 7,918.00	\$ 7,918.00	\$ -
2 Overhead (Overhead Rate = 1.7614) (Overhead rate X direct labor)	=	\$ 13,946.77	\$ 13,946.77	\$ -
3 Subtotal 1 + 2	=	\$ 21,864.77	\$ 21,864.77	\$ -
4 Net Fee = 13.0% (Rounded to nearest \$10.) (Direct labor X 2.35 X 0.NF)	=	\$ 2,420.00	\$ 2,418.95	\$ (1.05)
5 Subtotal 3 + 4	=	\$ 24,284.77	\$ 24,283.72	\$ (1.05)
6 Direct Expense	=	\$ -	\$ -	\$ -
7 Premium Labor	=	\$ -	\$ -	\$ -
8 Total Survey (Total 5 + 6 + 7)	=	\$ 24,284.77	\$ 24,283.72	\$ (1.05)

FEE PROPOSAL SUMMARY

FEE PROPOSAL SUMMARY

ROUTE: Duplex Road
 DESCRIPTION: Spring Hill, TN
 COUNTY: Maury/Williamson
 CONSULTANT: CDM Smith
 Prepared By: David Taylor
 Date Prepared: 2/3/2015

Project No.: <00000-0000-00>
 PIN No.: STP/HHP-247(10)

Version 2.21



Survey Fee Proposal Summary								
	Direct Labor	Overhead	Subtotal Direct Labor & Overhead	Net Fee	Subtotal Direct Labor, Overhead, & Net Fee	Direct Expense	Premium Labor	Total Phase
SURVEY	\$ 7,918.00	\$ 13,946.77	\$ 21,864.77	\$ 2,420.00	\$ 24,284.77	\$ -	\$ -	\$ 24,284.77

Design Fee Proposal Summary								
	Direct Labor	Overhead	Subtotal Direct Labor & Overhead	Net Fee	Subtotal Direct Labor, Overhead, & Net Fee	Direct Expense	Premium Labor	Total Phase
PRELIMINARY PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RIGHT-OF-WAY PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Preliminary & Right-of-Way Plans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONSTRUCTION PLANS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Preliminary, R.O.W., & Construction Plans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Total Survey & Design	\$ 7,918.00	\$ 13,946.77	\$ 21,864.77	\$ 2,420.00	\$ 24,284.77	\$ -	\$ -	\$ 24,284.77
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- Survey
- Survey thru Prel. Plans
- Survey thru R.O.W. Plans
- Survey thru Const. Plans
- Prel. Plans
- Prel & R.O.W. Plans
- Prel. Thru Const. Plans

INITIAL CONTRACT CEILING								
	Direct Labor	Overhead	Subtotal Direct Labor & Overhead	Net Fee	Subtotal Direct Labor, Overhead, & Net Fee	Direct Expense	Premium Labor	Total Ceiling
Contract will initially be authorized for: Survey	\$ 7,918.00	\$ 13,946.77	\$ 21,864.77	\$ 2,420.00	\$ 24,284.77	\$ -	\$ -	\$ 24,284.77

(Remove X to display instructions.)

Randy Button & Associates, Inc.

Real Estate Appraisers & Consultants

December 26, 2014

Patrick Murray, PE, CPESC
Project Manager
CDM Smith
210 25th Avenue North, Suite 1102
Nashville, TN 37203

Re: ROW Appraisal & Acquisition – Additional Tracts
Spring Hill Duplex Road Project

Dear Mr. Murray:

As requested, I have prepared the following fee estimate for additional tracts which were added since my original proposal submitted in 2013. The addition of 13 tracts will require additional fees for both the right of way appraisals and acquisition services to be provided. The additional tracts include:

Tracts 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, & 279.

My fee proposal for the listed tracts is as follows:

13 appraisals @ \$2,000.00 per tract =	\$26,000.00
13 acquisitions @ \$800.00 per tract =	<u>10,400.00</u>
Total for Additional Tracts =	\$36,400.00

Thanks for the opportunity to provide this service and don't hesitate to contact me if further information is needed.

Respectively Submitted,



Randy Button, MAI, SRA, AI-GRS
State Certified General Real Estate Appraiser CG-3

STANDIFER & ASSOCIATES, INC.

Real Estate Appraisers & Consultants

101 Southeast Parkway Court
Suite 130
Franklin, TN 37064

615/371-9910
615/371-8099 Fax
gstandifer@comcast.net

March 13, 2015

Patrick Murray, PE, SPESC
Project Manager
CDM Smith
210 25th Avenue North, Suite 1102
Nashville, TN 37203

Re: Appraisal Review Reports and Form 2s – Additional Tracts
Spring Hill Duplex Road Project

Dear Mr. Murray:

As requested, I have prepared the following fee estimate for additional tracts which were added since my original proposal submitted in 2014. The addition of 11 tracts will require additional fees. The additional tracts include:

Tracts 267, 268, 269, 270, 271, 272, 273, 274, 275, 276 & 277

My fee proposal for the listed tracts is as follows:

11 Appraisal Reviews and Form 2 @ \$975 = \$10,725.00

Total for Additional Tracts = \$10,725

Thanks for the opportunity to provide this service and don't hesitate to contact me if further information is needed.

Respectfully submitted,

Sincerely,

STANDIFER & ASSOCIATES, INC.



Gary R. Standifer, MAI, CCIM

GRS:da