



**CENTRAL TEXAS  
Regional Mobility Authority**

## AGENDA ITEM #5 SUMMARY

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Approve a work authorization with Atkins North America, Inc., to provide general engineering consultant services for development of the Bergstrom Expressway project.

Strategic Plan Relevance: Regional Mobility

Department: Engineering

Associated Costs: \$4,780,000

Funding Source: General Fund, Reimbursed per Advanced Funding Agreement with TxDOT (CAMPO ST PMM funds)

Board Action Required: Yes

Description of Matter: Atkins North America, Inc. will provide General Engineering Consultant services related to project activities required to assist the Mobility Authority in the development of the Bergstrom Expressway. These efforts will include, but not be limited to, Project management, administrative tasks, and program oversight including: coordination with TxDOT, Consultants, Resource Agencies, TxDOT Environmental Affairs Division, and the FHWA as required for permitting, environmental approval, Schematic Design Review, Design Alternative Analysis, Toll Systems Design support, Public Involvement support, advancement of utility relocations, procurement management services and additional activities as specifically requested by the Authority.

Reference documentation: Draft Resolution  
Proposed Work Authorization

Contact for further information: Wesley M. Burford, P.E., Director of Engineering

**GENERAL MEETING OF THE BOARD OF DIRECTORS  
OF THE  
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY**

**RESOLUTION NO. 14-\_\_\_**

**APPROVING A WORK AUTHORIZATION WITH ATKINS NORTH AMERICA, INC.,  
TO PROVIDE GENERAL ENGINEERING CONSULTANT SERVICES FOR  
DEVELOPMENT OF THE BERGSTROM EXPRESSWAY PROJECT.**

WHEREAS, Atkins North America, Inc., (“Atkins”) serves as a general engineering consultant to the Mobility Authority under the Agreement for General Consulting Civil Engineering Services effective January 1, 2010 (the “GEC Agreement”); and

WHEREAS, the Executive Director and Atkins have discussed and agreed to a proposed work authorization for Atkins to provide general engineering consultant services for the Bergstrom Expressway Project; and

WHEREAS, the Executive Director recommends approval of the proposed work authorization attached as Exhibit 1.

NOW THEREFORE, BE IT RESOLVED that the proposed work authorization is hereby approved; and

BE IT FURTHER RESOLVED that the Executive Director may finalize and execute for the Mobility Authority the proposed work authorization in the form or substantially the same form as Exhibit 1.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 29<sup>th</sup> day of January, 2014.

Submitted and reviewed by:

Approved:

\_\_\_\_\_  
Andrew Martin  
General Counsel for the Central  
Texas Regional Mobility Authority

\_\_\_\_\_  
Ray A. Wilkerson  
Chairman, Board of Directors  
Resolution Number: 14-\_\_\_  
Date Passed: 1/29/2014

**EXHIBIT 1 TO RESOLUTION 14-**  
**WORK AUTHORIZATION WITH ATKINS NORTH AMERICA, INC.**

**[on the following 13 pages]**

**EXHIBIT D**  
**WORK AUTHORIZATION**

**Supplemental Work Authorization No. 3 to Work Authorization No.2**

This Work Authorization is made as of this 1<sup>st</sup> day of November, 2013, under the terms and conditions established in the AGREEMENT FOR GENERAL CONSULTING ENGINEERING SERVICES, dated as of January 4<sup>th</sup>, 2010 (the Agreement), between the **Central Texas Regional Mobility Authority** (Authority) and **Atkins North America, Inc.** (formerly Post, Buckley, Schuh & Jernigan, inc.) (GEC). This Work Authorization is made for the following purpose, consistent with the services defined in the Agreement:

*Bergstrom Expressway [183S Turnpike Project]  
Permitting / Environmental Approval / Schematic Design Review / Design Alternative  
Analysis / Toll Systems Design Support / Public Involvement Support / Advancement of  
Utility Relocation / Procurement Management Services*

**Section A. - Scope of Services**

A.1. GEC shall perform the following Services:

Please reference Attachment A – Services to be Provided by the GEC

A.2. The following Services are not included in this Work Authorization, but shall be provided as Additional Services if authorized or confirmed in writing by the Authority.

Not applicable.

A.3. In conjunction with the performance of the foregoing Services, GEC shall provide the following submittals/deliverables (Documents) to the Authority:

Please reference Attachment A – Services to be Provided by the GEC

**Section B. - Schedule**

GEC shall perform the Services and deliver the related Documents (if any) according to the following schedule:

Services defined herein shall begin November 1, 2013 and shall be substantially complete by May 31, 2015. This Supplemental Work Authorization will not expire until all tasks associated with the Scope of Services are complete.

**Section C. - Compensation**

C.1. In return for the performance of the foregoing obligations, the Authority authorizes to the GEC an authorized amount \$4,780,000 based on Attachment B-Fee Estimate. This will increase the not to exceed amount for Work Authorization

No. 2 from \$3,389,122 to \$8,169,122. Compensation for Direct Expenses under this Work Authorization which are incurred as part of normal business operations (i.e., internal document reproduction, internal plotting, travel and parking associated with local meetings, etc.) will be reimbursed on a Lump-Sum basis in the amount of: \$47,650 (with \$2,507 to be invoiced monthly). Profit will be 12% for all services. Compensation shall be in accordance with the Agreement.

C.2. Compensation for Additional Services (if any) shall be paid by the Authority to the GEC according to the terms of a future Work Authorization.

**Section D. - Authority's Responsibilities**

The Authority shall perform and/or provide the following in a timely manner so as not to delay the Services of the GEC. Unless otherwise provided in this Work Authorization, the Authority shall bear all costs incident to compliance with the following:

Please reference Attachment A – Services to be Provided by the GEC

**Section E. - Other Provisions**

The parties agree to the following provisions with respect to this specific Work Authorization:

Not applicable.

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

Authority: Central Texas Regional Mobility Authority

GEC: Atkins North America, Inc.

By: Mike Heiligenstein

By: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: Executive Director

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**Attachment B - Fee Estimate  
Summary**

CTRMA General Engineering Consultant  
Atkins - Man-hour Breakdown & Fee Estimate  
183 South Turnpike Project (Bergstrom Expressway)

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**ATKINS - Supplemental Work Authorization #3 to Work Authorization #2**

**183 South Turnpike Project (Bergstrom Expressway)**

TASK	<u>SUBTOTAL</u> Labor + Overhead + Profit	<u>SUBTOTAL</u> Direct Expenses	<u>TOTAL</u>
<b>183 South Turnpike Project (Bergstrom Expressway)</b>			
1.1 Environmental Study / Document Services [Code 13210]	\$ 144,297	\$ 1,400	\$ 145,697
1.2 Preliminary Engineering [13110]	\$ 267,875	\$ 2,600	\$ 270,475
1.3 Project Oversight - Pre Construction [Code 13710]	\$ 1,011,790	\$ 10,100	\$ 1,021,890
1.4 Pre-Investment Grade Traffic & Revenue Analysis Coordination [Code 13120]	\$ 168,178	\$ 1,600	\$ 169,778
1.5 Investment Grade Traffic & Revenue Analysis Coordination [Code 13330]	\$ 123,714	\$ 1,250	\$ 124,964
1.6 Project Oversight - CDA [Code 13730]	\$ 1,809,577	\$ 18,900	\$ 1,828,477
1.7 Environmental Permit Support [Code 13220]	\$ 171,324	\$ 1,700	\$ 173,024
1.8 Final Design Services [Code 13310]	\$ 760,431	\$ 7,500	\$ 767,931
1.9 Right-of-Way Acquisition & Relocation Services [Code 13410]	\$ 140,894	\$ 1,400	\$ 142,294
1.10 Right-of-Way Litigation / Condemnation Services [Code 13450]	\$ 125,831	\$ 1,200	\$ 127,031
Subtotals	\$ 4,723,911	\$ 47,650	\$ 4,771,561
		<b>TOTAL (rounded)</b>	<b>\$ 4,780,000</b>

**Attachment B - Fee Estimate**

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

**ATKINS - Supplemental Work Authorization #3 to Work Authorization #2  
 183 South Turnpike Project (Bergstrom Expressway)**

183 South Turnpike Project (Bergstrom Expressway)

(Estimated Average Labor Rates)

TASK / WORK DESCRIPTION	A	B	C	D	E	F	TOTAL
	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	HRS
1.1 Environmental Study / Document Services [Code 13210]							
1.1.1 US 183 Environmental Assessment (EA)							
1.1.1.1 Facilitate EA Project Status Meetings	90		45	45			180
1.1.1.2 Complete EA Document Reviews	8		40		20		68
1.1.1.3 Update Traffic information in EA	4	60	20				84
1.1.1.4 Update Figures for EA	4		40	160			204
1.1.1.5 Facilitate Public Involvement Support	20	40	80	160			300

	126	100	225	365	20	0	836
TOTAL DIRECT LABOR	15.07%	11.96%	26.91%	43.66%	2.39%	0.00%	
Labor Costs	\$ 10,080	\$ 7,000	\$ 13,500	\$ 16,425	\$ 700	\$ -	\$ 47,705
Overhead Costs	\$ 17,143	\$ 11,905	\$ 22,959	\$ 27,934	\$ 1,190	\$ -	\$ 81,132
Profit	\$ 3,267	\$ 2,269	\$ 4,375	\$ 5,323	\$ 227	\$ -	\$ 15,460
<b>Total Loaded Labor</b>	<b>\$ 30,490</b>	<b>\$ 21,173</b>	<b>\$ 40,835</b>	<b>\$ 49,682</b>	<b>\$ 2,117</b>	<b>\$ -</b>	<b>\$144,297</b>

<b>Direct Expenses</b>	
Plotting and Reproduction	\$ 600
Mail and Deliveries	\$ 200
Misc Expenses	\$ 400
Travel and Field Expenses	\$ 200
<b>Total Direct Expenses</b>	<b>\$ 1,400</b>
<b>Total</b>	<b>\$ 145,697</b>

## Attachment B - Fee Estimate

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

### ATKINS - Supplemental Work Authorization #3 to Work Authorization #2 183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	A	B	C	D	E	F	TOTAL
	80.00 \$	70.00 \$	60.00 \$	45.00 \$	35.00 \$	25.00 \$	HRS
(Estimated Average Labor Rates)							
1.2 Preliminary Engineering [13110]							
1.2.1 Design Corridor Exhibits and Schematic							
1.2.1.1 TxDOT Support for Engineering Services	40	80	160	160	80		520
1.2.1.2 Design Verification	20	40	80	80	40		260
1.2.1.3 Design Modification	20	40	80	80	40		260
1.2.1.4 Shared Use Path	8	20	40	40			108
1.2.1.5 Tree Alternative Design	8	20	40	40			108
1.2.1.6 Mobility Improvement at SH71	8	20	80	160			268
1.2.1.7 Pedestrian Bridge	4	24	24	40			92
1.2.1.8 Updates to Design Schematic							

TOTAL DIRECT LABOR	108	244	504	600	160	0	1616
	6.68%	15.10%	31.19%	37.13%	9.90%	0.00%	
Labor Costs	\$ 8,640	\$ 17,080	\$ 30,240	\$ 27,000	\$ 5,600	\$ -	\$ 88,560
Overhead Costs	\$ 1,700	\$ 14,694	\$ 29,048	\$ 51,429	\$ 9,524	\$ -	\$ 150,614
Profit	\$ 2,800	\$ 5,535	\$ 9,800	\$ 8,750	\$ 1,815	\$ -	\$ 28,701
<b>Total Loaded Labor</b>	<b>\$ 26,134</b>	<b>\$ 51,663</b>	<b>\$ 91,469</b>	<b>\$ 81,669</b>	<b>\$ 16,939</b>	<b>\$ -</b>	<b>\$ 267,875</b>

<b>Direct Expenses</b>	
Plotting and Reproduction	\$ 1,300
Mail and Deliveries	\$ 100
Misc Expenses	\$ 900
Travel and Field Expenses	\$ 300
<b>Total Direct Expenses</b>	<b>\$ 2,600</b>

**Total \$ 270,475**



## Attachment B - Fee Estimate

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

### ATKINS - Supplemental Work Authorization #3 to Work Authorization #2 183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	(Estimated Average Labor Rates)						TOTAL HRS
	A	B	C	D	E	F	
	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	
1.3 Project Oversight - Pre Construction [Code 13710]							
1.3.1 Project Management	300	250	250		70	50	920
1.3.2 Project Reporting	120	120	120		40	40	440
1.3.3 Project Scheduling	40	40	200				280
1.3.4 Project Development Support	800	120	1040	160	700	560	3380
1.3.5 Financial Planning Support	40		40	40			120
1.3.6 Conceptual Operations Plan	240		240		120	120	720

TOTAL DIRECT LABOR	1540	530	1890	200	930	770	5860
	26.28%	9.04%	32.25%	3.41%	13.87%	13.14%	
Labor Costs	\$ 123,200	\$ 37,100	\$ 113,400	\$ 9,000	\$ 32,550	\$ 19,250	\$ 334,500
Overhead Costs	\$ 1,7007	\$ 209,526	\$ 63,096	\$ 192,859	\$ 15,306	\$ 55,358	\$ 568,884
Profit	\$ 39,927	\$ 12,024	\$ 36,751	\$ 2,917	\$ 10,549	\$ 6,239	\$ 108,406
<b>Total Loaded Labor</b>	<b>\$ 372,653</b>	<b>\$ 112,219</b>	<b>\$ 343,011</b>	<b>\$ 27,223</b>	<b>\$ 98,457</b>	<b>\$ 58,227</b>	<b>\$1,011,790</b>

Direct Expenses	
Plotting and Reproduction	\$ 5,000
Mail and Deliveries	\$ 200
Misc Expenses	\$ 4,200
Travel and Field Expenses	\$ 700
<b>Total Direct Expenses</b>	<b>\$ 10,100</b>

Total **\$1,021,890**

**Attachment B - Fee Estimate**

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

**ATKINS - Supplemental Work Authorization #3 to Work Authorization #2  
 183 South Turnpike Project (Bergstrom Expressway)**

183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	(Estimated Average Labor Rates)						TOTAL HRS
	A	B	C	D	E	F	
	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	
1.4 Pre-Investment Grade Traffic & Revenue Analysis Coordination [Code 13120]	80	40	40	80	20	20	0
1.4.1 Coordination with CTRMA's T&R Consultant	40	80	240	240	120	40	280
1.4.2 Provide project information to T&R Consultant							760

TOTAL DIRECT LABOR	120	120	280	320	140	60	1040
	11.54%	11.54%	26.92%	30.77%	13.46%	5.77%	
Labor Costs	\$ 9,600	\$ 8,400	\$ 16,800	\$ 14,400	\$ 4,900	\$ 1,500	\$ 55,600
Overhead Costs	1,7007	16,327	14,286	28,572	24,490	8,333	94,559
Profit	12.0%	3,111	2,722	5,445	4,667	1,588	18,019
<b>Total Loaded Labor</b>	\$ 29,038	\$ 25,408	\$ 50,816	\$ 43,557	\$ 14,822	\$ 4,537	\$168,178

Direct Expenses	\$
Plotting and Reproduction	\$ 800
Mail and Deliveries	\$ 200
Misc Expenses	\$ 500
Travel and Field Expenses	\$ 100
<b>Total Direct Expenses</b>	\$ 1,600

Total \$ 169,778

## Attachment B - Fee Estimate

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

### ATKINS - Supplemental Work Authorization #3 to Work Authorization #2 183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	A	B	C	D	E	F	TOTAL
	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	HRS
(Estimated Average Labor Rates)							
1.5 Investment Grade Traffic & Revenue Analysis Coordination [Code 13330]	80	40	40	80	20	20	0
1.5.1 Coordination with CTRMA's T&R Consultant	40	80	120	120	60	40	280
1.5.2 Provide project information to T&R Consultant							460

183 South Turnpike Project (Bergstrom Expressway)

TOTAL DIRECT LABOR	120	120	160	200	80	60	740
	16.22%	16.22%	21.62%	27.03%	10.81%	8.11%	
Labor Costs	\$ 9,600	\$ 8,400	\$ 9,600	\$ 9,000	\$ 2,800	\$ 1,500	\$ 40,900
Overhead Costs	\$ 16,327	\$ 14,286	\$ 16,327	\$ 15,306	\$ 4,762	\$ 2,551	\$ 69,559
Profit	\$ 3,111	\$ 2,722	\$ 3,111	\$ 2,917	\$ 907	\$ 486	\$ 13,255
<b>Total Loaded Labor</b>	<b>\$ 29,038</b>	<b>\$ 25,408</b>	<b>\$ 29,038</b>	<b>\$ 27,223</b>	<b>\$ 8,470</b>	<b>\$ 4,537</b>	<b>\$123,714</b>

<b>Direct Expenses</b>	
Plotting and Reproduction	\$ 650
Mail and Deliveries	\$ 200
Misc Expenses	\$ 300
Travel and Field Expenses	\$ 100
<b>Total Direct Expenses</b>	<b>\$ 1,250</b>

**Total \$ 124,964**

## Attachment B - Fee Estimate

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

### ATKINS - Supplemental Work Authorization #3 to Work Authorization #2 183 South Turnpike Project (Bergstrom Expressway)

183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	A	B	C	D	E	F	TOTAL
	80.00 \$	70.00 \$	60.00 \$	45.00 \$	35.00 \$	25.00 \$	HRS
(Estimated Average Labor Rates)							
1.6 Project Oversight - CDA [Code 13730]	140	420	320	90	40	40	1050
1.6.1 Request for Qualifications (RFQ) Process	500	720	620	620	340	300	3100
1.6.2 Draft Request for Detailed Proposal (RFDP)	300	500	700	300	200	100	2100
1.6.3 Final RFDP	120	240	360	180	100	60	1060
1.6.4 Proposal Coordinator Support	180	480	720	300	20	120	1800
1.6.5 Proposal Review Support	80		160	120	20	80	460
1.6.6 CDA Contracting Support	120	120	180	60	120	180	780
1.6.7 Bond Sale Support							

TOTAL DIRECT LABOR	1440	2480	3060	1670	820	880	10350
	13.91%	23.96%	29.37%	16.14%	7.92%	8.50%	
Labor Costs	\$ 115,200	\$ 173,600	\$ 183,600	\$ 75,150	\$ 28,700	\$ 22,000	\$ 598,250
Overhead Costs	1,7007 \$	195,921 \$	295,242 \$	312,249 \$	127,808 \$	48,810 \$	1,017,444
Profit	12.0%	\$ 37,334	\$ 56,261	\$ 59,502	\$ 24,355	\$ 9,301	\$ 193,883
Total Loaded Labor	\$ 348,455	\$ 525,103	\$ 555,350	\$ 227,313	\$ 86,811	\$ 66,545	\$ 1,809,577

<b>Direct Expenses</b>	
Plotting and Reproduction	\$ 8,400.00
Mail and Deliveries	\$ 1,000.00
Misc Expenses	\$ 2,500.00
Travel and Field Expenses	\$ 7,000.00
<b>Total Direct Expenses</b>	<b>\$ 18,900</b>

Total \$ 1,828,477

## Attachment B - Fee Estimate

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

### ATKINS - Supplemental Work Authorization #3 to Work Authorization #2 183 South Turnpike Project (Bergstrom Expressway)

183 South Turnpike Project (Bergstrom Expressway)

	A	B	C	D	E	F	TOTAL
(Estimated Average Labor Rates)	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	IRS
	48	120	400	400	40	40	0
							1048

**TASK / WORK DESCRIPTION**

- 1.7 Environmental Permit Support [Code 13220]
- 1.7.1 Preconstruction Notice for (USACE)

	48	120	400	400	40	40	TOTAL
<b>TOTAL DIRECT LABOR</b>	48	120	400	400	40	40	1048
	4.58%	11.45%	38.17%	38.17%	3.82%	3.82%	3.82%
Labor Costs	\$ 3,840	\$ 8,400	\$ 24,000	\$ 18,000	\$ 1,400	\$ 1,000	\$ 56,640
Overhead Costs	1,7007 \$	6,531 \$	14,286 \$	40,817 \$	30,613 \$	2,381 \$	1,701 \$
Profit	12.0% \$	1,244 \$	2,722 \$	7,778 \$	5,834 \$	454 \$	324 \$
<b>Total Loaded Labor</b>	\$ 11,615	\$ 25,408	\$ 72,595	\$ 54,446	\$ 4,235	\$ 3,025	\$171,324

<b>Direct Expenses</b>	
Plotting and Reproduction	\$ 800
Mail and Deliveries	\$ 100
Misc Expenses	\$ 600
Travel and Field Expenses	\$ 200
<b>Total Direct Expenses</b>	<u>\$ 1,700</u>

**Total \$ 173,024**

**Attachment B - Fee Estimate**

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

**ATKINS - Supplemental Work Authorization #3 to Work Authorization #2  
 183 South Turnpike Project (Bergstrom Expressway)**

183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	(Estimated Average Labor Rates)						TOTAL HRS
	A	B	C	D	E	F	
	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	
1.8 Final Design Services [Code 13310]	40	120	420	280	160	80	1100
1.8.1 Utility Coordination	200	400	840	1000	1000	800	4240
1.8.2 Subsurface Utility Engineering (SUE)							

TOTAL DIRECT LABOR	240	520	1260	1280	1160	880	5340
	4.49%	9.74%	23.60%	23.97%	21.72%	16.48%	
Labor Costs	\$ 19,200	\$ 36,400	\$ 75,600	\$ 57,600	\$ 40,600	\$ 22,000	\$ 251,400
Overhead Costs	\$ 32,653	\$ 61,905	\$ 128,573	\$ 97,960	\$ 69,048	\$ 37,415	\$ 427,556
Profit	\$ 6,222	\$ 11,797	\$ 24,501	\$ 18,667	\$ 13,158	\$ 7,130	\$ 81,475
<b>Total Loaded Labor</b>	<b>\$ 58,076</b>	<b>\$ 110,102</b>	<b>\$ 228,674</b>	<b>\$ 174,228</b>	<b>\$ 122,806</b>	<b>\$ 66,545</b>	<b>\$760,431</b>

Direct Expenses	
Plotting and Reproduction	\$ 3,000
Mail and Deliveries	\$ 1,000
Misc Expenses	\$ 1,500
Travel and Field Expenses	\$ 2,000
<b>Total Direct Expenses</b>	<b>\$ 7,500</b>

**Total \$ 767,931**

## Attachment B - Fee Estimate

CTRMA General Engineering Consultant  
 Atkins - Man-hour Breakdown & Fee Estimate  
 183 South Turnpike Project (Bergstrom Expressway)

### ATKINS - Supplemental Work Authorization #3 to Work Authorization #2 183 South Turnpike Project (Bergstrom Expressway)

TASK / WORK DESCRIPTION	A	B	C	D	E	F	TOTAL
	\$ 80.00	\$ 70.00	\$ 60.00	\$ 45.00	\$ 35.00	\$ 25.00	HRS
183 South Turnpike Project (Bergstrom Expressway)							
(Estimated Average Labor Rates) [Code 13410]							
1.9 Right-of-Way Acquisition & Relocation Services [Code 13410]							
1.9.1 Appraisals	40	120	120	80	60	60	480
1.9.2 Negotiation / Voluntary Settlement	40	20	16	16	40	40	172
1.9.3 Relocation Assistance	8	8					16
1.9.4 Right of Way Status Tracking	20	40	60	20	30	30	200

TOTAL DIRECT LABOR	108	188	196	116	130	130	868
	12.44%	21.66%	22.58%	13.36%	14.98%	14.98%	14.98%
Labor Costs	\$ 8,640	\$ 13,160	\$ 11,760	\$ 5,220	\$ 4,550	\$ 3,250	\$ 46,580
Overhead Costs	\$ 14,694	\$ 22,381	\$ 20,000	\$ 8,878	\$ 7,738	\$ 5,527	\$ 79,219
Profit	\$ 2,800	\$ 4,265	\$ 3,811	\$ 1,692	\$ 1,475	\$ 1,053	\$ 15,096
<b>Total Loaded Labor</b>	<b>\$ 26,134</b>	<b>\$ 39,806</b>	<b>\$ 35,571</b>	<b>\$ 15,789</b>	<b>\$ 13,763</b>	<b>\$ 9,831</b>	<b>\$140,894</b>

<b>Direct Expenses</b>	<b>\$ 1,400</b>
Plotting and Reproduction	\$ 700
Mail and Deliveries	\$ 100
Misc Expenses	\$ 400
Travel and Field Expenses	\$ 200
<b>Total Direct Expenses</b>	<b>\$ 1,400</b>

**Total \$ 142,294**

**Attachment B - Fee Estimate**

CTRMA General Engineering Consultant  
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 183 South Turnpike Project (Bergstrom Expressway)

**ATKINS - Supplemental Work Authorization #3 to Work Authorization #2  
 183 South Turnpike Project (Bergstrom Expressway)**

183 South Turnpike Project (Bergstrom Expressway)

(Estimated Average Labor Rates) \$

TASK / WORK DESCRIPTION	A	B	C	D	E	F	TOTAL
	\$	\$	\$	\$	\$	\$	HRS
1.10 Right-of-Way Litigation / Condemnation Services [Code 13450]							
1.10.1 Litigation Support	20	60	60	200	200	120	660
1.10.2 General Attorney Consultation	40	40	80	0	40	40	240

TOTAL DIRECT LABOR	60	100	140	200	240	160	900
	%	%	%	%	%	%	
Labor Costs	\$ 4,800	\$ 7,000	\$ 8,400	\$ 9,000	\$ 8,400	\$ 4,000	\$ 41,600
Overhead Costs	\$ 8,163	\$ 11,905	\$ 14,286	\$ 15,306	\$ 14,286	\$ 6,803	\$ 70,749
Profit	\$ 1,556	\$ 2,269	\$ 2,722	\$ 2,917	\$ 2,722	\$ 1,296	\$ 13,482
<b>Total Loaded Labor</b>	<b>\$ 14,519</b>	<b>\$ 21,173</b>	<b>\$ 25,408</b>	<b>\$ 27,223</b>	<b>\$ 25,408</b>	<b>\$ 12,099</b>	<b>\$125,831</b>

<b>Direct Expenses</b>	
Plotting and Reproduction	\$ 600
Mail and Deliveries	\$ 200
Misc Expenses	\$ 300
Travel and Field Expenses	\$ 100
<b>Total Direct Expenses</b>	<b>\$ 1,200</b>

**Total \$ 127,031**