

**EXHIBIT**

**"A"**

STATE OF TEXAS

§

§

COUNTY OF WILLIAMSON

§

**SUPPLEMENTAL CONTRACT NO. 4  
TO CONTRACT FOR ENGINEERING SERVICES**

**FIRM:** ATKINS NORTH AMERICA, INC. ("Engineer")

**ADDRESS:** 11801 Domain Boulevard, Suite 500, Austin, TX 78758

**PROJECT:** E. Bagdad Avenue Extension

This Supplemental Contract No. 4 to Contract for Engineering Services is made by and between the City of Round Rock, Texas, hereinafter called the "City" and Atkins North America, Inc., hereinafter called the "Engineer".

**WHEREAS**, the City and Engineer executed a Contract for Engineering Services, hereinafter called the "Contract", on the 24th day of September, 2015 for the E. Bagdad Avenue Extension Project in the amount of \$104,700.41; and

**WHEREAS**, the City and Engineer executed Supplemental Contract No. 1 on March 10, 2016 to amend the scope of services and to increase the compensation by \$326,360.94 to a total of \$431,061.35; and

**WHEREAS**, the City and Engineer executed Supplemental Contract No. 2 on September 8, 2016 to amend the scope of services and to increase the compensation by \$85,675.85 to a total of \$516,737.20; and

**WHEREAS**, the City and Engineer executed Supplemental Contract No. 3 on April 3, 2017 to amend the work schedule; and

**WHEREAS**, it has become necessary to amend the Contract to modify the provisions for the scope of services and to increase the compensation by \$199,281.31 to a total of \$716,018.51;

**NOW THEREFORE**, premises considered, the City and the Engineer agree that said Contract is amended as follows:

I.

Article 2, Engineering Services and Exhibit B, Engineering Services shall be amended as set forth in the attached Addendum To Exhibit B. Exhibit C, Work Schedule shall be amended as set forth in the attached Addendum To Exhibit C.

II.

Article 4, Compensation and Exhibit D, Fee Schedule shall be amended by increasing by \$199,281.31 the lump sum amount payable under the Contract for a total of \$716,018.51, as shown by the attached Addendum to Exhibit D.

**IN WITNESS WHEREOF**, the City and the Engineer have executed this Supplemental Contract in duplicate.

*[signature pages follow]*

**ATKINS NORTH AMERICA, INC.**

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

\_\_\_\_\_  
**Date**

**CITY OF ROUND ROCK**

**APPROVED AS TO FORM:**

**By:** \_\_\_\_\_  
**Craig Morgan, Mayor**

\_\_\_\_\_  
**Stephan L. Sheets, City Attorney**

\_\_\_\_\_  
**Date**

## **ADDENDUM TO EXHIBIT B**

### **Engineering Services**

#### **PROJECT DESCRIPTION**

The proposed project will include a new location 3-lane extension of McNeil Rd between Mays St and S Black St as well as the widening of S Georgetown St to 3-lanes between S Black St and E Main St. Lampasas St will be extended from its current termini at Bagdad Ave to the new McNeil Rd extension. Lewis St and Stone St will also be extended to connect to McNeil Rd. The approximate length of the project is 0.54 miles.

This supplemental removes the Sheppard St extension from the project and separates the project into two phases. The first phase will include all the improvements west of and including the intersection at Burnet St. The second phase will include the proposed improvements east of Burnet St.

#### **TASK 1: PROJECT MANAGEMENT**

1. Prepare monthly project status updates and invoices.
2. Manage sub-consultants.

#### **TASK 2: SURVEYING**

No changes with this supplemental.

#### **TASK 3: ENVIRONMENTAL STUDIES**

No changes with this supplemental. Previously completed.

#### **TASK 4: PRELIMINARY DESIGN/30% PLANS**

No changes with this supplemental. Previously completed.

#### **TASK 5: DIRECT EXPENSES**

1. TCEQ WPAP Application fee

#### **TASK 6: GEOTECHNICAL DESIGN**

1. Test borrow material from the City of Round Rock stockpile to verify it meets the requirements of class A material. All the field sampling and laboratory tests will be performed according to typical geotechnical standards, where applicable, or with other well established procedures. HVJ will test the material as required for Atterberg Limits (ASTM D4318), gradation (ASTM D422), and compaction properties (ASTM D698).
2. Provide an alternate pavement design for Phase 2. This design will include a combination of LTS and removal and replacement with select fill. The LTS layer will be set as 8", and the resulting depth of removal and replacement will be calculated to minimize PVR. The design will be based on design traffic loads as defined in HVJ's final design report for the project as well as geotechnical borings and lab testing results.

## **TASK 7: 60% PLANS**

No changes with this supplemental. Previously completed.

## **TASK 8: 95% PLANS (Replace previous scope for Task 8 with the following)**

### **All Disciplines**

1. Address comments from the City of Round Rock 60% review.
2. Remove the Sheppard St extension from the project.
3. Revise the Lampasas St typical section to include in each direction of travel an 11' lane, an 8' wide parallel parking area, 2' curb and gutter, 5' sidewalk and 2' buffer. The Lampasas St alignment between McNeil Rd and Bagdad Ave will also be revised to accommodate the needs of The Depot Townhomes. The resulting alignment includes one horizontal curve that does not meet 30 mph, so a design exception will be prepared.
4. Remove landscaping, irrigation and sidewalk along the south side of McNeil between station 17+00 and Burnet St.
5. Develop 95% plans for phase 1 which includes work west of and including the Burnet St intersection. Develop 95% plans for phase 2 which includes work east of Burnet St. An interim design will be included at Burnet St to accommodate the temporary condition created upon the completion of Phase 1 before Phase 2 is constructed. The ultimate design at Burnet St will be included in Phase 2. The interim condition will reflect temporary signing, striping and drainage improvements. The existing ditch east of Burnet St will need to be regraded to accommodate the interim design.
6. Complete redesign of water and wastewater improvements to accommodate The Depot Townhomes design.
7. Partial redesign of storm water system to accommodate changes in the water and wastewater design.
8. Update drainage report to document phasing of project and address previous comments.
9. Add roadway lighting east of Burnet St (Phase 2).
10. Revise design speed from 25 mph to 30 mph and develop necessary design exception requests. There are two horizontal curves on McNeil Rd and one horizontal curve on Lampasas St (See note #3) that will not meet a 30 mph design speed.
11. Continue development and detailing of sheets.
12. Prepare construction cost estimate, specifications, and general notes.
13. Atkins will provide Storm Water Pollution Prevention Plans (SWPPP) to minimize sediment discharge from the project area during construction in accordance with best management practices.

## **TASK 9: 100% PLANS/FINAL SUBMITTAL (Replace previous scope for Task 9 with the following)**

### **All Disciplines**

1. Address comments from the City of Round Rock 95% review of the phase 1 and 2 plans.

2. Prepare construction cost and construction time estimates.
3. Prepare specifications and general notes.
4. Prepare bid packages for Phase 1 and Phase 2.

#### **TASK 10: WATER QUALITY PLANS AND WATER POLLUTION ABATEMENT PLANS (WPAP)**

No changes with this supplemental.

#### **TASK 11: LANDSCAPING AND IRRIGATION PLANS**

1. Landscaping and irrigation will be removed from the project

#### **TASK 12: BARRIER WITH FENCE**

1. If necessary, Atkins will prepare a detail, special specification and design for a proposed barrier with a fence on top along the railroad ROW from Mays Street to Burnet Street. The details of this barrier and fence are to be determined, so an assumed level of effort is included in this supplemental. Atkins will only invoice for work under this task based on the actual effort required to prepare the fence design, details and specifications. Any budget remaining will not be invoiced. If the assumed budget is insufficient, a supplemental will be necessary.

#### **NOT INCLUDED WITHIN THIS SCOPE**

The following items are not included with this scope. These items, if necessary, would be added to the scope through a supplemental agreement.

1. The project team assumes the project will be constructed using local funding sources and will not require any federal permitting.
2. TxDOT environmental document
3. Environmental permitting or agency coordination other than TCEQ coordination for WPAP approval
4. Concrete fence plans
5. Public involvement
6. Storm water detention design or associated plans

#### **DELIVERABLES**

##### **Project Management**

No changes with this supplemental.

##### **95% Submittal**

1. Electronic submittal and two 11”X17” plan sets to include all revised plan sheets and cross sections. Separate submittals will be made for the phase 1 and phase 2 projects.
2. Revised drainage report submitted with each project phase.
3. 95% construction cost estimate for phase 1 and phase 2 projects

4. A list of Specifications, Special Provisions and General Notes

#### **100% Submittal**

1. Electronic submittal and two final signed and sealed sets of 11”X17” full-scale paper drawings for the phase 1 and phase 2 projects. Specifications and special provisions will be complete and suitable for bidding and award of a construction contract.
2. One electronic file of drawings, cross sections and supporting data
3. 100% cost estimate for each phase
4. Construction time estimate for each phase
5. Bid packages for each phase

#### **Water Quality**

No changes with this supplemental.

#### **Landscaping and Irrigation**

No changes with this supplemental.



**ADDENDUM TO EXHIBIT C**  
**Work Schedule**

Attached Behind This Page

E BAGDAD AVE EXTENSION SUPPLEMENTAL #4

ID	Task Name	Start	Finish	Q3	2015 Q4	Q1	Q2	Q3	2016 Q4	Q1	Q2	Q3	2017 Q4	Q1
1	NTP	Tue 9/29/15	Tue 9/29/15											
2	Anticipated NTP Supplemental #1	Wed 9/30/15	Wed 9/30/15											
3	Anticipated NTP Supplemental #2	Mon 9/12/16	Mon 9/12/16											
4	Anticipated NTP Supplemental #4	Thu 8/24/17	Thu 8/24/17											
5	Survey	Wed 9/30/15	Fri 5/6/16											
6	Environmental Tech Memo	Thu 10/1/15	Mon 5/9/16											
7	<b>Prepare 30% Plans</b>	<b>Thu 10/1/15</b>	<b>Tue 7/5/16</b>											
8	Roadway & Drainage Design	Thu 10/1/15	Fri 6/3/16											
9	QA/QC	Mon 6/6/16	Fri 6/10/16											
10	Submit 30% Plans and Environmental Tech Memo	Mon 6/13/16	Mon 6/13/16											
11	City Review 30% Plans and Environmental Tech Memo	Tue 6/14/16	Fri 7/1/16											
12	Meet with City to Review 30% Plans and Environmental	Tue 7/5/16	Tue 7/5/16											
13	Geotech Pavement Design	Mon 3/21/16	Fri 7/1/16											
14	<b>Prepare 60% Plans</b>	<b>Tue 9/13/16</b>	<b>Fri 12/9/16</b>											
15	Roadway, Traffic, Utility & Drainage Design	Tue 9/13/16	Wed 10/19/16											
16	QA/QC	Thu 10/20/16	Wed 10/26/16											
17	Submit 60% Plans	Thu 10/27/16	Thu 10/27/16											
18	City Review 60% Plans	Fri 10/28/16	Thu 12/8/16											
19	Meet with City to Review 60% Plans	Fri 12/9/16	Fri 12/9/16											
20	<b>Prepare 95% Plans Phase 1</b>	<b>Mon 12/12/16</b>	<b>Fri 5/5/17</b>											
21	Roadway, Traffic, Utility & Drainage Design	Mon 12/12/16	Fri 4/7/17											
22	QA/QC	Mon 4/10/17	Thu 4/13/17											
23	Submit 95% Plans	Fri 4/14/17	Fri 4/14/17											
24	City Review 95% Plans	Mon 4/17/17	Fri 5/5/17											
25	<b>Prepare 100% Plans Phase 1</b>	<b>Fri 5/19/17</b>	<b>Fri 9/22/17</b>											
26	Roadway, Traffic, Utility & Drainage Design	Fri 5/19/17	Thu 9/14/17											
27	QA/QC	Fri 9/15/17	Thu 9/21/17											
28	Submit 100% Plans	Fri 9/22/17	Fri 9/22/17											
29	Water Pollution Abatement Plan	Tue 9/13/16	Mon 11/6/17											
30	Bid Phase Services	Tue 11/7/17	Mon 12/11/17											
31	<b>Prepare 95% Plans Phase 2</b>	<b>Fri 8/25/17</b>	<b>Mon 11/20/17</b>											
32	Roadway, Traffic, Utility & Drainage Design	Fri 8/25/17	Fri 10/20/17											
33	QA/QC	Mon 10/23/17	Fri 10/27/17											
34	Submit 95% Plans	Mon 10/30/17	Mon 10/30/17											
35	City Review 95% Plans	Tue 10/31/17	Mon 11/20/17											
36	<b>Prepare 100% Plans Phase 2</b>	<b>Tue 11/21/17</b>	<b>Wed 3/7/18</b>											
37	Roadway, Traffic, Utility & Drainage Design	Tue 11/21/17	Mon 1/15/18											
38	QA/QC	Tue 1/16/18	Tue 1/30/18											
39	Submit 100% Plans	Wed 1/31/18	Wed 1/31/18											
40	Bid Phase Services	Thu 2/1/18	Wed 3/7/18											

**ADDENDUM TO EXHIBIT D**  
**Fee Schedule**

Attached Behind This Page

**E BAGDAD AVE EXTENSION  
SUPPLEMENTAL #4  
EXHIBIT D**

**Project Name:** E Bagdad Ave Extension

Task	Total Labor Hours	Total Loaded Labor Cost	Other Direct Costs	Subconsultants	TOTALS
Task 1: Project Management	38.0	\$6,714.73			\$6,714.73
Task 5: Direct Expenses			\$4,000.00		\$4,000.00
Task 6: Geotechnical Design				\$5,700.00	\$5,700.00
Task 8: 95% Plans	929.0	\$113,358.93			\$113,358.93
Task 9: 100% Plans/Final Submittal	434.0	\$53,401.52			\$53,401.52
Task 12: Barrier with Fence	133.0	\$16,106.13			\$16,106.13
<b>GRAND TOTAL:</b>	1534	\$189,581.31	\$4,000.00	\$5,700.00	<b>\$199,281.31</b>

Overhead Rate = 157.53%  
Profit Rate = 12%

Atkins Raw Labor = \$ 65,727.89  
Atkins Overhead = \$ 103,541.15  
Atkins Profit = \$ 20,312.27  
Atkins Total Labor = \$ 189,581.31

**E BAGDAD AVE EXTENSION  
SUPPLEMENTAL #4  
EXHIBIT D**

<b>Task 1: Project Management</b>							
Task Description	Project Manager	Design Engineer	Design EIT	CADD Operator	GIS Graphics	Admin/ Clerical	Total Hours
<i>Rates</i>	\$ 75.00	\$ 43.27	\$ 32.50	\$ 25.74	\$ 25.00	\$ 31.50	
<b>A. Project Management</b>							
1. Prepare monthly project status updates and invoices	18					6	24
2. Manage sub-consultants	8					6	14
<b>Totals</b>	<b>26</b>					<b>12</b>	<b>38</b>
Raw Labor	\$ 1,950.00	\$ -	\$ -	\$ -	\$ -	\$ 378.00	\$ 2,328.00
Multiplier	2.88	2.88	2.88	2.88	2.88	2.88	
	\$ 5,624	\$ -	\$ -	\$ -	\$ -	\$ 1,090	\$ 6,714.73

**E BAGDAD AVE EXTENSION  
SUPPLEMENTAL #2  
EXHIBIT D**

<b>Task 5: Direct Expenses</b>				
<b>Direct Cost</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total</b>
Site Visits & Meetings				
Mileage	Mile		\$0.575	\$0.00
Permits/Fees				
TCEQ WPAP Application fee	EA	1	\$4,000.00	\$4,000.00
Printing				
Exhibits (Color on Bond)	SF		\$5.00	\$0.00
Photocopies B/W (8.5 X 11)	EA		\$0.05	\$0.00
Photocopies B/W (11 X 17)	EA		\$0.10	\$0.00
Mylar Plots (11 X 17)	EA		\$2.50	\$0.00
Overnight Mail - letter size	EA		\$17.50	\$0.00
Overnight Mail - oversized box	EA		\$35.00	\$0.00
Courier Services	EA		\$37.50	\$0.00
<b>Total Direct Expenses</b>				<b>\$4,000.00</b>

**E BAGDAD AVE EXTENSION  
SUPPLEMENTAL #4  
EXHIBIT D**

<b>TASK 8: 95% PLANS</b>											
Task Description	Project Manager	Senior Engineer (QAQC)	Senior Engineer	Design Engineer	Design EIT	Senior Eng Tech	Senior CADD Operator	CADD Operator	GIS Graphics	Admin/ Clerical	Total Hours
<i>Rates</i>	\$ 75.00	\$ 62.10	\$ 51.53	\$ 43.27	\$ 32.50	\$ 43.23	\$ 43.26	\$ 25.74	\$ 25.00	\$ 31.50	
<b>A. Roadway</b>											
1. Remove Sheppard St extension				2				2			4.0
2. Separate plans into 2 phases and develop additional sheets											
a. Cover	1			2				2			5.0
b. Index				4				4			8.0
c. General notes	1		2	8							11.0
d. Project layout				2				4			6.0
e. Typical sections	1			4				4			9.0
f. Quantities				8	8						16.0
g. Construction sequence/TCP	2		1	16	16						35.0
h. Roadway P&P (6 sheets)	4			12	12			24			52.0
i. Cross Sections			1	20							21.0
j. Standards				2				2			4.0
k. Cost estimate				4	16						20.0
3. Revise design speed to 30 mph	2			4	4						10.0
4. Prepare separate submittal packages for each phase (cost estimate & spec lists)	4		2	8	16						30.0
5. QA/QC	2	16		16	16						50.0
<b>B. Drainage</b>											
1. Remove Sheppard St extension			2								2.0
2. Separate plans into 2 phases and develop additional sheets											
a. Quantities			8								8.0
b. Drainage P&P sheets			40					26			66.0
c. Interim/Ultimate outfall and ditch design			5		26						31.0
d. SWPPP and erosion control plans			6								6.0
3. Storm water redesign to accommodate water/wastewater redesign required for The Depot			40								40.0
4. Revise drainage report to address phasing of project			20								20.0
5. Prepare separate submittal packages for each phase (cost estimate & spec lists)			2								2.0
6. QA/QC		12	10								22.0
<b>C. Utilities</b>											
1. Redesign water and wastewater improvements to accommodate The Depot			37		43		62				142.0
2. Separate plans into 2 phases and develop additional sheets											
a. Quantities			8								8.0
b. Water/wastewater P&P sheets			21		39		45				105.0
3. Continue utility coordination			16		5		4				25.0
4. Continue developer coordination			8		4		5				17.0
5. QA/QC		16	4								20.0
<b>D. Traffic</b>											
1. Remove Sheppard St extension			2		8						10.0
2. Separate plans into 2 phases and develop additional sheets											
a. Quantities					8						8.0
b. Signing & Pavement Marking sheets			4		36						40.0
3. Add roadway lighting east of Burnet St			16		52						68.0
4. QA/QC		8									8.0
<b>Totals</b>	<b>17.0</b>	<b>52.0</b>	<b>255.0</b>	<b>112.0</b>	<b>309.0</b>		<b>116.0</b>	<b>68.0</b>			<b>929.0</b>
Raw Labor	\$ 1,275.00	\$ 3,229.20	\$ 13,140.15	\$ 4,846.24	\$ 10,042.50	\$ -	\$ 5,018.16	\$ 1,750.32	\$ -	\$ -	\$ 39,301.57
Multiplier	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
	\$ 3,678	\$ 9,314	\$ 37,901	\$ 13,978	\$ 28,966	\$ -	\$ 14,474	\$ 5,049	\$ -	\$ -	\$ 113,358.93

**E BAGDAD AVE EXTENSION  
SUPPLEMENTAL #4  
EXHIBIT D**

<b>TASK 9: 100% PLANS</b>											
Task Description	Project Manager	Senior Engineer (QA/QC)	Senior Engineer	Design Engineer	Design EIT	Senior Eng Tech	Senior CADD Operator	CADD Operator	GIS Graphics	Admin/ Clerical	Total Hours
<i>Rates</i>	\$ 75.00	\$ 62.10	\$ 51.53	\$ 43.27	\$ 32.50	\$ 43.23	\$ 43.26	\$ 25.74	\$ 25.00	\$ 31.50	
<b>A. Roadway</b>											
1. Address comments on new phase 2 sheets											
a. Cover	1							2			3.0
b. Index				1				3			4.0
c. General notes	1			4							5.0
d. Project layout				1				2			3.0
e. Typical sections	1				2						3.0
f. Quantities	1			8	10						19.0
g. Construction sequence/TCP	2		1	4	8						15.0
h. Roadway P&P	4		1	2	4						11.0
i. Cross Sections				8							8.0
j. Standards											
k. Cost estimate	1				8						9.0
2. Prepare separate submittal packages for each phase (cost estimate & spec lists)	4			8	8						20.0
3. Prepare bid packages for phases 1 and 2	8			20	40						68.0
4. Prepare construction time estimate for phase 2	2		24								26.0
5. QA/QC	2	12		8	8						30.0
<b>B. Drainage</b>											
1. Address comments on new phase 2 sheets											
a. Quantities			4								4.0
b. Drainage P&P sheets			8					16			24.0
c. Interim/Ultimate outfall and ditch design			4		8						12.0
d. SWPPP and erosion control plans			8					8			16.0
2. Prepare separate submittal packages for each phase (cost estimate & spec lists)			2								2.0
3. QA/QC		12	8								20.0
<b>C. Utilities</b>											
1. Address comments on new phase 2 sheets											
a. Quantities			3								3.0
b. Water/wastewater P&P sheets			7		25		9				41.0
2. Continue utility coordination			4								4.0
3. QA/QC		8	2								10.0
<b>D. Traffic</b>											
1. Address comments on new phase 2 sheets											
a. Quantities					6						6.0
b. Signing & Pavement Marking sheets			2		28						30.0
d. Roadway lighting east of Burnet St			4		28						32.0
2. QA/QC		6									6.0
<b>Totals</b>	<b>27.0</b>	<b>38.0</b>	<b>82.0</b>	<b>64.0</b>	<b>183.0</b>		<b>9.0</b>	<b>31.0</b>			<b>434.0</b>
Raw Labor	\$ 2,025.00	\$ 2,359.80	\$ 4,225.46	\$ 2,769.28	\$ 5,947.50	\$ -	\$ 389.34	\$ 797.94	\$ -	\$ -	\$ 18,514.32
Multiplier	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
	\$ 5,841	\$ 6,806	\$ 12,188	\$ 7,988	\$ 17,155	\$ -	\$ 1,123	\$ 2,302	\$ -	\$ -	\$ 53,401.52



**E BAGDAD AVE EXTENSION  
SUPPLEMENTAL #4  
EXHIBIT D**

<b>TASK 12: BARRIER WITH FENCE</b>											
Task Description	Project Manager	Senior Engineer (QAQC)	Senior Engineer	Design Engineer	Design EIT	Senior Eng Tech	Senior CADD Operator	CADD Operator	GIS Graphics	Admin/ Clerical	Total Hours
<i>Rates</i>	\$ 75.00	\$ 62.10	\$ 51.53	\$ 43.27	\$ 32.50	\$ 43.23	\$ 43.26	\$ 25.74	\$ 25.00	\$ 31.50	
<b>A. Barrier with Fence</b>											
1. Prepare fence details	2		16	16	32						66.0
2. Prepare fence specification	2		8	16							26.0
3. Add fence to plans and quantities				8	16						24.0
4. QA/QC	1	4		4	8						17.0
<b>Totals</b>	<b>5.0</b>	<b>4.0</b>	<b>24.0</b>	<b>44.0</b>	<b>56.0</b>						<b>133.0</b>
Raw Labor	\$ 375.00	\$ 248.40	\$ 1,236.72	\$ 1,903.88	\$ 1,820.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,584.00
Multiplier	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
	<b>\$ 1,082</b>	<b>\$ 716</b>	<b>\$ 3,567</b>	<b>\$ 5,491</b>	<b>\$ 5,249</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,106.13</b>