

DocuSign City Council Transmittal Coversheet

File	5330
File Name	Bonnie Brae Improvements Phase 5 Amendment 1
Purchasing Contact	Rebecca Hunter
City Council Target Date	3/20/18
Contract Value	1,103,009.58
Piggy Back Option	No
Contract Expiration	
Ordinance	

THE STATE OF TEXAS §
 §
COUNTY OF DENTON §

FIRST AMENDMENT TO CONTRACT
BY AND BETWEEN THE CITY OF DENTON, TEXAS
AND GRAHAM ASSOCIATES, INC
[FILE NO. 5330]

THIS FIRST AMENDMENT TO CONTRACT 5330 (“Amendment”) by and between the City of Denton, Texas (“City”) and Graham Associates (“Design Professional”);

The CITY deems it necessary to further expand the services provided by DESIGN PROFESSIONAL to the CITY;

NOW THEREFORE,

1. Section 2 “Compensation and Schedule”, **Total Compensation Amount** of the Agreement is hereby amended to read as follows:

“Total Contract Amount for services shall not exceed \$1,103,009.58 per term. Pricing shall be per Attachment A.”

2. Proposal timeline shall be amended to reflect per revised proposal. See attachment B.

All other provisions of the contract 5330, as heretofore amended, remain in full force and effect.

IN WITNESS WHEREOF, the CITY and the DESIGN PROFESSIONAL, have each executed this Amendment, by and through their respective duly authorized representatives and officers on this date _____.

“CITY”

CITY OF DENTON, TEXAS
A Texas Municipal Corporation

By: _____
TODD HILEMAN
CITY MANAGER

ATTEST:
JENNIFER WALTERS, CITY SECRETARY

By: _____

APPROVED AS TO LEGAL FORM:
AARON LEAL, CITY ATTORNEY

By: _____
38A6D90FD93B4AB...

“DESIGN PROFESSIONAL”

GRAHAM ASSOCIATES, INC
A Corporation

By: _____
94C464B954064A4...
AUTHORIZED SIGNATURE, TITLE



Graham Associates, Inc.
CONSULTING ENGINEERS & PLANNERS

TBPE FIRM F-1191/TBPLS-FIRM 101538-00

January 24, 2018

Lee Perry, P.E.
Senior Project Manager
Utility & CIP Engineering
City of Denton
901-A Texas Street
Denton, Texas 76209

Re: North Bonnie Brae Street from Scripture to University Drive P.O. 166074 contract dated August 20, 2013, Contract Amendment No. 1.

Dear Mr. Perry:

This is Graham Associates, Inc. letter of proposal to study 2 alignments for the off-site storm drainage from Emery Street to Pecan Creek below SCS Dam #16 (North side of University Drive), to provide traffic analysis and to provide Appraisal and Right-of-Way services support.

This would include the Hydraulics and Hydrology study of Pecan Creek and its tributaries from University Drive to SCS Dam #16 in the FEMA unstudied areas. It would include the survey work to complete new cross sections of the unstudied areas also. It would also include 2 alignments with estimates of the storm drainage systems to get from the intersection of Emery Street to Pecan Creek. This study would not include any CLOMR's, LOMR's or remapping of the existing floodplain. Remapping along with Engineering Fees would be included in the chosen alignment and become part of contract amendment No. 2.

Either storm drainage alignment would require additional sheets not accounted for in the original contract, in addition to Subsurface Utility Engineering (SUE) along University Drive. Additional sheets needed would include the storm plan and profile sheets, traffic control sheets along University Drive for constructing the new storm sewer, outfall and connecting to existing system details. For the alignment option along Emery Street, additional paving sheets will be required for reconstructing Emery Street and an existing parking lot near University Drive. Also for this option the existing unimproved channel will need erosion protection at bend downstream of the culvert under University. SUE would be provided by The Rios Group as shown in Exhibit "A" and include existing utility sheets and any necessary potholing to determine exact depths of existing utilities at proposed storm sewer crossings. Completed construction plans would also need to be revised to include the chosen storm drain alignment.

Right-of-Way strip maps were prepared based on the approved geometric. Revisions to the storm system will require these to be revised as well as adding additional Parcel Exhibits.

Summit Office Park
1300 Summit Ave., Suite 419
Ft. Worth, Texas 76102-4418
(817) 332-5756
Fax (817) 336-6909

Centerpoint Three
600 Six Flags Drive, Suite 500
Arlington, Texas 76011-6356
(817) 649-1914 • Metro (817) 640-8535
FAX (817) 633-5240

El Dorado Business Park
10880 John W. Elliott, Suite 200B
Frisco, Texas 75033
(214) 618-3114

Traffic Analysis would be performed by MSA Professional Services as shown in Exhibit "B". GAI would provide any necessary exhibits or information to MSA and provide coordination.

Appraisals and Right-of-Way Acquisition will be handled by the City. GAI will provide any necessary exhibits or information to these parties. GAI will also provide any required exhibits, coordination or court appearances as requested during the acquisition phase.

Part 1: Hydraulics and Hydrology study in order to obtain the FEMA 100 year discharge in 2 locations for the design of the proposed storm drainage systems.

Senior Engineer	18 hours @ \$125.00 =	\$ 2,250.00
Senior Hydrologist	72 hours @ \$125.00 =	\$ 9,000.00
Graduate Hydrologist	108 hours @ \$95.00 =	<u>\$ 10,260.00</u>
Part 1 Sub-Total	=	\$ 21,510.00

Part 2: Surveying 19 cross sections in Pecan Creek for H&H study, topographic surveying from detention pond north of Emery Street to University Drive, topographic surveying from North Bonnie Brae along SCS Dam #16 to Pecan creek.

Technician IV (Survey)	6 hours @ \$90.00 =	\$ 540.00
3- Man survey crew	80 hours @ \$140.00 =	\$ 11,200.00
Technician IV (processing)	22 hours @ \$90.00 =	<u>\$ 1,980.00</u>
Sub-Total	=	\$ 13,720.00

Part 3: 2 Alternative alignments of storm sewer and engineering estimates

Senior Engineer	72 hours @ \$125.00 =	\$ 9,000.00
Technician IV	39 hours @ \$90.00 =	<u>\$ 3,510.00</u>
Part 3 Sub-Total	=	\$ 12,510.00

Part 4: Traffic Analysis

MSA Professional Services	=	\$ 7,052.80
GAI (10% Administrative Fee)	=	<u>\$ 705.28</u>
Part 4 Sub-Total	=	\$ 7,758.08

Part 5: Subsurface Utility Engineering (SUE) to determine exact locations of all utilities (horizontal and vertical) along University Drive within 20' of proposed storm sewer crossing.

The Rios Group	=	\$ 14,900.00
GAI (10% Administrative Fee)	=	<u>\$ 1,490.00</u>
Part 5 Sub-Total	=	\$ 16,390.00

Part 6: Construction Plan Modifications and Additions.

TASK	Principal \$150	Senior Engineer \$125	Senior Hydrologist \$125	Grad Engineer \$90	Grad Hydrologist \$95	Tech IV \$90	Tech III \$75	Tech II \$60	CADD \$25	Total Labor Cost
Project Layout/ Removal (1 Rev, 2 New)	2 hours	4 hours	0 hours	12 hours	0 hours	24 hours	0 hours	0 hours	24 hours	\$4,640
Paving Plan/ Profile Sheets (2 Rev, 3 New)	4 hours	10 hours	0 hours	20 hours	0 hours	40 hours	0 hours	0 hours	40 hours	\$8,250
Parking Lot Reconstruction (1 New)	1 hours	1 hours	0 hours	4 hours	0 hours	8 hours	4 hours	0 hours	12 hours	\$1,955
Drainage Area Map (1 Rev, 1 New)	2 hours	4 hours	0 hours	0 hours	8 hours	0 hours	16 hours	0 hours	16 hours	\$3,160
Drainage Calculations (4 Rev)	0 hours	8 hours	4 hours	16 hours	16 hours	4 hours	0 hours	4 hours	8 hours	\$5,260
Drainage Plan/ Profile Sheets (3 Rev, 4 New)	5 hours	28 hours	8 hours	56 hours	56 hours	112 hours	40 hours	40 hours	192 hours	\$35,890
Special Drainage Details (2 New)	2 hours	16 hours	16 hours	0 hours	0 hours	32 hours	0 hours	0 hours	32 hours	\$7,980
Striping and Signing Sheets (1 Rev, 1 New)	0 hours	4 hours	0 hours	16 hours	0 hours	16 hours	8 hours	0 hours	24 hours	\$4,580
Traffic Control Plans (4 New)	2 hours	4 hours	0 hours	8 hours	0 hours	16 hours	8 hours	0 hours	24 hours	\$4,160

Construction Plan Revisions Summary:

Principal	18 hours @ \$150.00 =	\$ 2,700.00
Senior Engineer	79 hours @ \$125.00 =	\$ 9,875.00
Senior Hydrologist	28 hours @ \$125.00 =	\$ 3,500.00
Graduate Engineer	132 hours @ \$90.00 =	\$ 11,880.00
Graduate Hydrologist	80 hours @ \$95.00 =	\$ 7,600.00
Technician IV	252 hours @ \$90.00 =	\$ 22,680.00
Technician III	76 hours @ \$75.00 =	\$ 5,700.00
Technician II	44 hours @ \$60.00 =	\$ 2,640.00
CADD Station	372 hours @ \$25.00 =	\$ 9,300.00
Part 6 Sub-Total =		\$ 75,875.00

Part 7: Revise right-of-way strip maps and add Easement Documents.

TASK	Senior Engineer \$125	Register Surveyor \$125	Tech IV \$90	Tech III \$75	Total Labor Cost
Strip Maps (2 Rev, 1 New)	6 hours	2 hours	12 hours	0 hours	\$2,080
Parcel Exhibits (2 New)	0 hours	2 hours	4 hours	16 hours	\$1,810

R.O.W. Revisions Summary:

Senior Engineer	6 hours @ \$125.00 =	\$ 750.00
Registered Surveyor	4 hours @ \$125.00 =	\$ 500.00
Technician IV	16 hours @ 90.00 =	\$ 1,440.00
Technician III	16 hours @ \$75.00 =	<u>\$ 1,200.00</u>
	Part 7 Sub-Total =	\$ 3,890.00

Part 8: Right-of-Way Support

Principal	24 hours @ \$150.00 =	\$ 3,600.00
Senior Engineer	58 hours @ \$125.00 =	\$ 7,250.00
Registered Surveyor	15 hours @ \$125.00 =	\$ 1,875.00
Graduate Engineer	43 hours @ \$90.00 =	\$ 3,870.00
Technician IV	95 hours @ \$90.00 =	\$ 8,550.00
Clerical	68 hours @ \$35.00 =	<u>\$ 2,380.00</u>
	Part 8 Sub-Total =	\$ 27,525.00

Part 9: FEMA CLOMR (Emery Street Option Only). Prepare maps, surveys, and report for changes to the FEMA flood insurance maps.

Senior Engineer	46 hours @ \$125.00 =	\$ 5,750.00
Senior Hydrologist	73 hours @ \$125.00 =	\$ 9,125.00
Graduate Hydrologist	87 hours @ \$ 95.00 =	<u>\$ 8,265.00</u>
	Part 9 Sub-Total =	\$ 23,140.00

Part 10: FEMA LOMR (Required for either option), Prepare maps, surveys, and report for changes to the FEMA flood insurance maps.

Senior Engineer	26 hours @ \$125.00 =	\$ 3,250.00
Senior Hydrologist	52 hours @ \$125.00 =	\$ 6,500.00
Graduate Hydrologist	71 hours @ \$ 95.00 =	<u>\$ 6,745.00</u>
	Part 10 Sub-Total =	\$ 16,495.00

Part 11: 404 Permit (Required for either option), Prepare a jurisdictional determination, determine permit strategy, prepare a mitigation plan, prepare specific surveys, prepare a report, help with obtaining permit, help with mitigation bank. This proposal does not include any payments to the mitigation bank which are unknown at this time.

Symonds Ecology	hourly up to	\$30,000.00
Graham Associates (10% Administrative)		<u>\$3,000.00</u>
	Part 11 Sub-Total	\$33,000.00

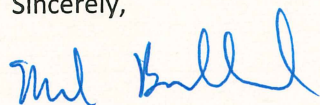
Part 12: FEMA Review Fees up to \$20,000.00

Total Contract Amendment No.1

\$271,813.08

Graham Associates, Inc. has enjoyed working with the city staff on this project, we will work with you and your staff to get this work completed in a timely manner. We also have held our engineering fee rates for the 2013 contract.

Sincerely,



Mark Burckhard, P.E.
Senior Vice President

Approved by:

Printed Name:

City of Denton, Texas



13727 Noel Road
Tower II, Suite 200
Dallas TX 75240
Tel: (972) 774-4410
www.msa-ps.com

- I-35E Frontage Rd
- W Hickory St
- W Oak St
- W University Dr

OPERATIONAL ANALYSIS

- The traffic counts and output from the TransCAD traffic model will be used to create 2040 AM and PM peak hour volumes for the N Bonnie Brae St corridor.
- A traffic signal warrant analysis will be completed for the N Bonnie Brae St/Scripture St intersection. The results of this analysis will determine how this intersection is analyzed as part of the N Bonnie Brae St corridor.
- The N Bonnie Brae St corridor will be modeled in Synchro version 9, utilizing HCM 6th Edition methodologies. One model will be created for each peak hour period: 2040 AM and 2040 PM. No existing condition or interim horizon models are proposed as part of this scope.
- With the exception of the Scripture St intersection, all intersections will be analyzed using their existing intersection control. The Scripture St intersection control will depend on the results of the traffic signal warrant analysis.
- The intersections with N Bonnie Brae St to be analyzed as part of this corridor study are:
 - W Prairie St
 - Louise St
 - Charlotte St
 - Stella St
 - W Hickory St
 - W Oak St
 - Scripture St
 - McKenna Park entrance
 - Panhandle St
 - Linden Dr
 - Crescent St
 - Emery St
- The following operational outputs will be calculated to determine the number, utilization, and queue storage length required for the approach lanes at the subject intersections:
 - Movement delay (seconds)
 - Movement Level of Service (LOS)
 - 95th percentile queue
 - Intersection delay (seconds)
 - Intersection LOS
- Corridor operational outputs will not be investigated as part of this study. Any corridor-level analyses would be completed as an amendment to this scope and contract.
- The results of the intersection analyses will determine whether N Bonnie Brae St, from I-35E to Scripture St will operate more efficiently as a four-lane divided roadway or a five-lane undivided roadway with a shared two-way left-turn lane.



13727 Noel Road
Tower II, Suite 200
Dallas TX 75240
Tel: (972) 774-4410
www.msa-ps.com

- Traffic signals will be analyzed starting with the base timings as provided. Depending on operational results of future traffic, each intersection may be optimized based on minimizing movement delays. Due to the one-way pair nature of the N Bonnie Brae St intersections with W Hickory and W Oak St, these traffic signals will be analyzed as a coordinated pair. All other signalized intersections will be analyzed as isolated. Final traffic signal plans and timings will not be provided as part of this contract.

MEETINGS

Ourston has allocated time for participating in two consultant team meetings via conference call or web-meeting service and one in-person meeting (one attendee). Additional brief telephone calls can be made within budget; however, if additional meetings are required, they will be considered an additional service.

PROJECT DELIVERABLES

Deliverables for the corridor analysis include:

- Memo documenting the operational analysis for the preferred lane configuration at each intersection
- Copy of the Synchro model file(s)
- MicroStation CADD file of the proposed lane and or turn bay storage lengths for the corridor

Eric Frailing will lead the analysis and design review tasks. Jay VonAhsen, PE will provide oversight, client liaison, and the quality assurance review to ensure that the design solution meets the project objectives identified by Graham Associates, Inc. and the City of Denton.

ADDITIONAL SERVICES

The following services are not included in the scope of services herein; however, can be performed by Ourston upon written approval from Graham Associates, Inc. as an amendment to this Agreement.

- Operational Analysis of alternative intersection control methods (i.e. roundabout) at any of the given subject intersections



13727 Noel Road
Tower II, Suite 200
Dallas TX 75240
Tel: (972) 774-4410
www.msa-ps.com

PROFESSIONAL FEES AND AUTHORIZATION

We propose services based on an hourly plus reimbursable expenses basis in accordance with the above proposed scope of work. Per the request of Graham Associates, Inc, our fee is broken down into two phases:

- Phase 4 Fee: \$14,727.50
- Phase 5 Fee: \$7,052.80

We will invoice monthly based on effort incurred to-date. We look forward to working with you on this project.

Sincerely,
Ourston, a brand of MSA Professional Services, Inc.

Texas Registered Engineering Firm F-18472

A handwritten signature in black ink, appearing to read "Eric Frailing".

Eric Frailing
Project Manager
efrailing@msa-ps.com | (608) 216-2054

A handwritten signature in black ink, appearing to read "Jay VonAhsen".

Jay VonAhsen, PE
Senior Project Manager
jvonahsen@msa-ps.com | (972) 649-0665



7400 Sand Street | Fort Worth, Texas 76118
817.345.7500 p | 817.345.7505 f

January 22, 2018

Joseph Perkins, P.E.
Graham Associates, Inc.
600 Six Flags Drive, Suite 500
Arlington, Texas 76011

**RE: Subsurface Utility Engineering
University Drive**

Dear Mr. Perkins:

The Rios Group, Inc. (TRG) is pleased to submit a cost proposal for Subsurface Utility Engineering (SUE) required for the above referenced project. This proposal is based on information contained in your email dated January 22, 2018.

Introduction

TRG will perform the SUE work required for this project in general accordance with the recommended practices and procedures described in ASCE Publication CI/ASCE 38-02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data). As described in the mentioned ASCE publication, four levels have been established to describe the quality of utility location and attribute information used on plans. The four quality levels are as follows:

- Quality Level D (QL"D") – Information derived from existing utility records;
- Quality Level C (QL"C") - QL"D" information supplemented with information obtained by surveying visible above-ground utility features such as valves, hydrants, meters, manhole covers, etc.
- Quality Level B (QL"B") – Two-dimensional (x,y) information obtained through the application and interpretation of non-destructive surface geophysical methods. Also known as “**designating**” this quality level provides the horizontal position of subsurface utilities within approximately one foot.
- Quality Level A (QL"A") – Three dimensional (x,y,z) utility information obtained utilizing non-destructive vacuum excavation equipment to expose utilities at critical points which are then tied down by surveying. Also known as “**locating**”, this quality level provides precise horizontal and vertical positioning of utilities within approximately 0.05 feet.

It is the responsibility of the SUE provider to perform due-diligence with regard to records research (QL "D") and acquisition of available utility records. The due-diligence provided for this project will consist of visually inspecting the work area for evidence of utilities and reviewing the available utility record information. Utilities that are not identified through these efforts will be here forth referred to as “unknown” utilities. TRG personnel will scan the defined work area using electronic prospecting equipment to search for “unknown” utilities. However, TRG is not responsible for designating and locating these “unknown” utilities.

Mr. Perkins
University Drive
January 22, 2018
Page 2 of 3

Scope of Work

Based on information provided by Graham Associates, Inc. (GAI), TRG has developed a preliminary scope for the SUE work required for this project. The scope of work may be modified, with GAI's concurrence, during the performance of the SUE fieldwork if warranted by actual field findings.

The scope of this proposal includes Quality Level "A" and "B" SUE. Utilities to be designated include gas, telecommunications, electric, traffic signals, storm, water and sanitary sewer. Designating will be performed within 20' each side of the proposed crossings on *either* Option A or Option B as indicated in the attached "Exhibit A".

Five (5) QL "A" test holes will be included in the budget. Test hole locations will be determined by GAI and TRG once the QL "B" SUE deliverable has been reviewed. TRG has assumed that all designating marks and test holes will be surveyed as part of this scope.

Designating Procedures

Prior to beginning field designating activities, TRG's field manager will review the project scope of work and available utility records. Once these initial reviews are complete, the field manager and technicians will begin designating the approximate horizontal position of known subsurface utilities within the specified project limits. A suite of geophysical equipment (electromagnetic induction, magnetic) will be used to designate metallic/conductive utilities (e.g. steel pipe, electrical cable, telephone cable). TRG will establish routine/ordinary traffic control (cones and free standing signage, etc.) whenever required as part of our standard pricing. If non-routine traffic control measures are required (barricades, flag person, changeable message board, etc.), these services will be considered extra.

Accurate collection and recording of designated utilities is a critical component of the SUE process. TRG utilizes a proven method of collecting and recording survey information once the utilities have been designated in the field. TRG's field manager will produce detailed sketches depicting each utility as well as relevant surface features such as roadways, buildings, manholes, fire hydrants, utility pedestals, valves, meters, etc. Each utility will be labeled with a unique ID code. For example, if two different water lines exist on the project, one will be labeled W1 and the other W2. Paint and pin flags will be used to designate the utilities in the field. A labeled pin flag or paint mark will be used to mark each location where a survey shot is required. The locations will be numbered sequentially for each individual utility line. For example, if there are 10 shots required on water line W1, the points will be numbered W1-1 through W1-10.

Locating Procedures

TRG will utilize non-destructive vacuum excavation equipment to excavate test holes at the required locations. **Due to the risk of damage, TRG will not attempt to probe or excavate test holes on any AC water lines unless approval is obtained from the owner in advance.** Once each utility is located, TRG will record the utility type, size, material, depth to top, and general direction. Each test hole will be assigned a unique ID number and will be marked with a nail/disk. The test-hole ID number and other pertinent utility information will be painted at each test-hole location.

Mr. Perkins
University Drive
January 22, 2018
Page 3 of 3

We have assumed that all test holes will be in areas that are accessible to truck-mounted equipment, and that routine traffic control (cones and free standing signage, etc.) will be required during the performance of the QL "A" SUE work.

Deliverables

TRG will produce a utility file, in AutoCAD format, depicting the type and horizontal location of the designated utilities. The size of each utility will be presented in the utility file if this information is indicated on available record drawings. TRG will also provide a summary sheet of the test hole coordinate data and depth information. GAI will provide TRG with base map/topographic files for use in preparing the utility file.

Schedule

Field work can commence within approximately 2 weeks after receipt of NTP. TRG estimates that the work can be completed in approximately 3 weeks.

Proposed Fees

TRG proposes to provide the services as described above for a cost of:

- Option A **\$14,900.00**
- Option B **\$11,475.00**

A breakdown of cost is included as "Table 1" and "Table 2" for this proposal.

Please note that this estimate is based on an assumption of quantities. TRG will only invoice for quantities actually performed. This is a not-to-exceed amount. If it appears that quantities will be exceeded, TRG will notify GAI and request authorization to submit a supplemental agreement to increase the fee prior to proceeding with additional work.

We look forward to working with you on this project. If you have any questions or require additional information, please contact me.

Sincerely,

The Rios Group, Inc.



Tim Habenicht, P.E.
Project Manager



THE RIOS GROUP

Estimate for Subsurface Utility Engineering**University Drive****Option A****Table 1**

Direct Expenses	Rate	Units	Unit Description	Sub-Total	Notes
Admin./Permit	\$500.00	0	LS	\$ -	If needed for QL "A"
Traffic Control	\$1,200.00	1	Daily	\$ 1,200.00	
Survey	\$1,850.00	1	Daily	\$ 1,850.00	
Sub-Total					\$ 3,050.00
QL "B" SUE	Rate	Units	Unit Description	Sub-total	
Option A	\$2,500.00	2	Daily	\$ 5,000.00	
Sub-Total					\$ 5,000.00
SUE QL "A" (Test Holes)					
Depth	In Pavement Using Coring Machine	Assumed Quantity	Outside Pavement	Assumed Quantity	
0-4 ft.	\$ 1,150.00	0	\$ 950.00	0	\$ -
4-8 ft.	\$ 1,450.00	3	\$ 1,250.00	2	\$ 6,850.00
8-12 ft.	\$ 1,750.00	0	\$ 1,550.00	0	\$ -
12-18 ft.	\$ 2,500.00	0	\$ 2,300.00	0	\$ -
QL "A" Sub-Total	3		2		\$ 6,850.00
Total Estimated Cost =					\$ 14,900.00

SUBSURFACE UTILITY ENGINEERING | UTILITY COORDINATION

7400 Sand St. Fort Worth, TX 76118 | 817-345-7500

www.rios-group.com



THE RIOS GROUP

Estimate for Subsurface Utility Engineering**University Drive****Option B**

Table 2

Direct Expenses		Rate	Units	Unit Description	Sub-Total	Notes
Admin./Permit		\$500.00	0	LS	\$ -	if needed for QL "A"
Traffic Control		\$1,200.00	1	Daily	\$ 1,200.00	
Survey		\$1,850.00	0.5	Daily	\$ 925.00	
Sub-Total						\$ 2,125.00
QL "B" SUE		Rate	Units	Unit Description	Sub-total	
Option B		\$2,500.00	1	Daily	\$ 2,500.00	
Sub-Total						\$ 2,500.00
SUE QL "A" (Test Holes)						
Depth	In Pavement Using Coring Machine	Assumed Quantity	Outside Pavement	Assumed Quantity		
0-4 ft.	\$ 1,150.00	0	\$ 950.00	0	\$ -	
4-8 ft.	\$ 1,450.00	3	\$ 1,250.00	2	\$ 6,850.00	
8-12 ft.	\$ 1,750.00	0	\$ 1,550.00	0	\$ -	
12-18 ft.	\$ 2,500.00	0	\$ 2,300.00	0	\$ -	
QL "A" Sub-Total		3		2		\$ 6,850.00
Total Estimated Cost =						\$ 11,475.00

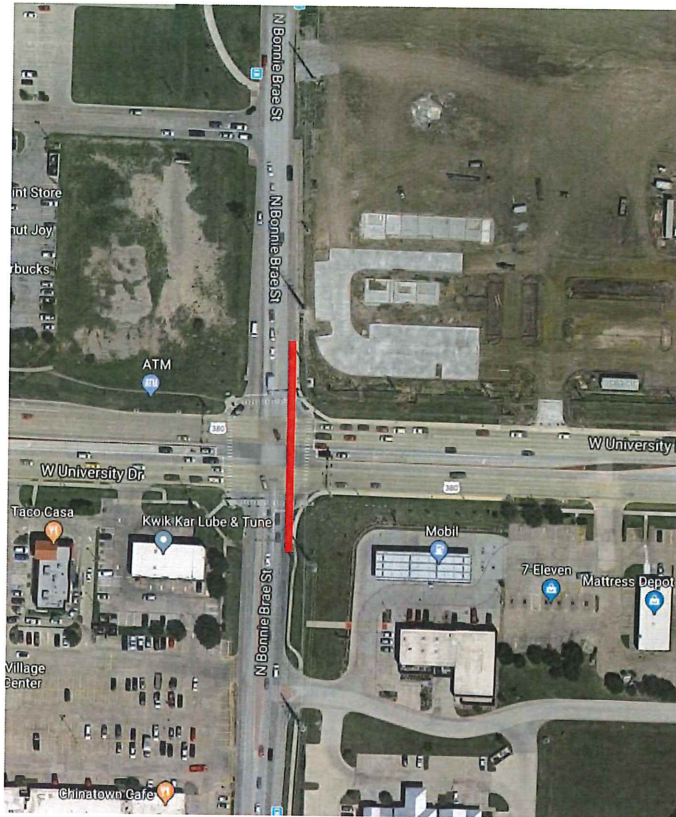
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Exhibit A

OPTION A: Crossing University at Bonnie Brae Street



OPTION B: Crossing University at Culvert west of Ector Street



Bonnie Brae Phase 5 Scripture to 380 - Project Schedule

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names	'17		Jul 30, '17		Sep 24, '17		Nov 19, '17		Jan 14, '18		Mar 11, '18		May 6, '18		Jul 1, '18		
							W	S	T	M	F	T	S	W	S	T	M	F	T	S	W	S	T
1																							
2	Bonnie Brae Phase 5 ~ Scripture to University																						
3	Design Phase	167 days	Thu 3/15/18	Fri 11/2/18																			
4	60% Design	67 days	Thu 3/15/18	Fri 6/15/18																			
5	90% Design	55 days	Mon 6/18/18	Fri 8/31/18	4																		
6	100% Design	45 days	Mon 9/3/18	Fri 11/2/18	5																		
7	Property Acquisition	196 days	Mon 4/2/18	Mon 12/31/18																			
8	Bidding Phase	46 days	Mon 6/1/20	Mon 8/3/20																			
9	Advertisement	28 days	Wed 7/1/20	Fri 8/7/20																			
10	Contract Award	17 days	Mon 8/10/20	Tue 9/1/20	9																		
11	Construction Phase	366 days	Mon 10/5/20	Mon 2/28/22	10																		
12	Record Drawings and Project Closec	120 days	Tue 3/1/22	Mon 8/15/22	11																		
13																							



Bonnie Brae Phase 5 Scripture to 380 - Project Schedule

	Aug 26, '18		Oct 21, '18		Dec 16, '18		Feb 10, '19		Apr 7, '19		Jun 2, '19		Jul 28, '19		Sep 22, '19		Nov 17, '19		Jan 12, '20		Mar 8, '20		May 3, '20		Jun 28, '20		Aug 23, '20	
T	M	F	T	S	W	S	T	M	F	T	S	W	S	T	M	F	T	S	T	M	F	T	S	W	S	T	M	F



Bonnie Brae Phase 5 Scripture to 380 - Project Schedule

Oct 13, '20		Oct 18, '20		Dec 13, '20		Feb 7, '21		Apr 4, '21		May 30, '21		Jul 25, '21		Sep 19, '21		Nov 14, '21		Jan 9, '22		Mar 6, '22		May 1, '22		Jun 26, '22		Aug 21, '22		Oct 13, '22
T	S	W	S	T	M	F	T	S	W	S	T	M	F	T	S	W	S	T	M	F	T	S	W	M	F	T	S	W

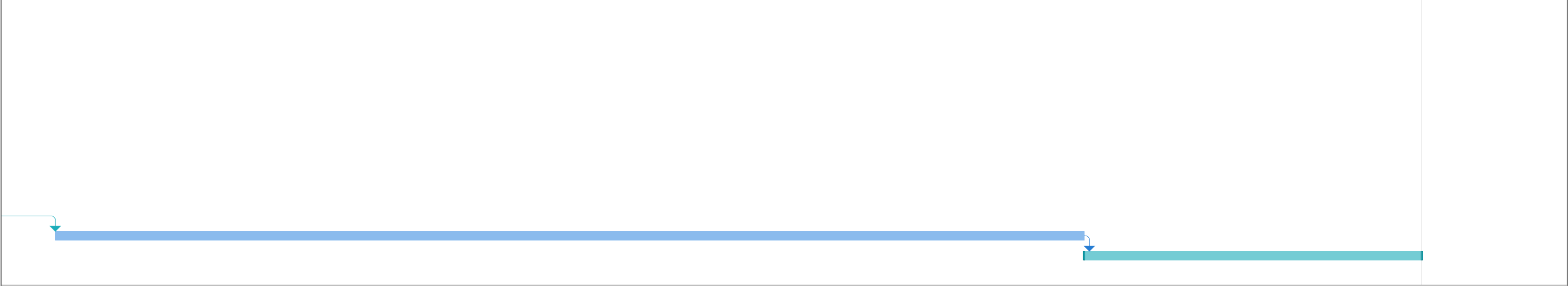


Exhibit c
House Bill 89 - Government Code 2270
VERIFICATION

I, Mark Burckhard, the undersigned representative of DBA Graham Associates, Inc. Company or Business name (hereafter referred to as company), being **an adult over the age of eighteen (18) years of age, verify that the company named-above, under the provisions of Subtitle F, Title 10, Government Code Chapter 2270:**

- 1. Does not boycott Israel currently; and**
- 2. Will not boycott Israel during the term of the contract the above-named Company, business or individual with City of Denton.**

Pursuant to Section 2270.001, Texas Government Code:

- 1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and*
- 2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.*

Mark Burckhard

Name of Company Representative (Print)

DocuSigned by:
Mark Burckhard
94C464B95406404

Signature of Company Representative

2/23/2018

Date

Exhibit c
Senate Bill 252 -Government Code 2252
CERTIFICATION

I, Mark Burckhard, the undersigned representative of DBA Graham Associates, Inc. (Company or business name) being an adult over the age of eighteen (18) years of age, pursuant to Texas Government Code, Chapter 2252, Section 2252.152 and Section 2252.153, certify that the company named above is not listed on the website of the Comptroller of the State of Texas concerning the listing of companies that are identified under Section 806.051, Section 807.051 or Section 2253.153. I further certify that should the above-named company enter into a contract that is on said listing of companies on the website of the Comptroller of the State of Texas which do business with Iran, Sudan or any Foreign Terrorist Organization, I will immediately notify the City of Denton's Materials Management Department.

Mark Burckhard
Name of Company Representative (Print)

DocuSigned by:
Mark Burckhard
Signature of Company Representative

2/23/2018
Date

Certificate Of Completion

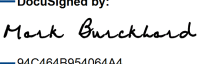
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Subject: City Council Docusign Item - 5330 Bonnie Brae Improvements Ph 5 Amendment 1	
Source Envelope:	
Document Pages: 22	Signatures: 4
Certificate Pages: 6	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Jamie Cogdell
Time Zone: (UTC-06:00) Central Time (US & Canada)	901B Texas Street
	Denton, TX 76209
	Jamie.Cogdell@cityofdenton.com
	IP Address: 129.120.6.150

Record Tracking

Status: Original	Holder: Jamie Cogdell	Location: DocuSign
2/23/2018 12:01:38 PM	Jamie.Cogdell@cityofdenton.com	

Signer Events

Signer Events	Signature	Timestamp
Jamie Cogdell	Completed	Sent: 2/23/2018 12:25:52 PM
jamie.cogdell@cityofdenton.com		Viewed: 2/23/2018 12:27:19 PM
Senior Buyer		Signed: 2/23/2018 12:35:07 PM
City Of Denton	Using IP Address: 129.120.6.150	
Security Level: Email, Account Authentication (None)		
Electronic Record and Signature Disclosure:		
Not Offered via DocuSign		

Mark Burckhard	DocuSigned by:	Sent: 2/23/2018 12:35:11 PM
mburckhard@grahamcivil.com		Viewed: 2/23/2018 5:40:03 PM
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Electronic Record and Signature Disclosure:
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Larry Collister	DocuSigned by:	Sent: 2/23/2018 5:40:23 PM
larry.collister@cityofdenton.com		Resent: 2/27/2018 4:24:21 PM
Deputy City Attorney	38A6D90FD93B4AB...	Viewed: 2/23/2018 7:51:25 PM
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Rebecca Hunter	Sent: 3/1/2018 1:39:14 PM
rebecca.hunter@cityofdenton.com	
Assistant Purchasing Manager	
City of Denton	
Security Level: Email, Account Authentication (None)	
Electronic Record and Signature Disclosure:	
Not Offered via DocuSign	

Todd Hileman
 todd.hileman@cityofdenton.com
 Security Level: Email, Account Authentication (None)
Electronic Record and Signature Disclosure:

Signer Events	Signature	Timestamp
Accepted: 7/25/2017 11:02:14 AM ID: 57619fbf-2aec-4b1f-805d-6bd7d9966f21 Jennifer Walters jennifer.walters@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign		
In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
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Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Rebecca Hunter rebecca.hunter@cityofdenton.com Assistant Purchasing Manager City of Denton Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign	<div>COPIED</div>	Sent: 2/23/2018 5:40:21 PM
Sherri Thurman sherri.thurman@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign	<div>COPIED</div>	Sent: 2/23/2018 5:40:21 PM
Jane Richardson jane.richardson@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Robin Fox Robin.fox@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Jennifer Bridges jennifer.bridges@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign		

Carbon Copy Events	Status	Timestamp
Jane Richardson jane.richardson@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Lee Perry lee.perry@cityofdenton.com Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign		
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Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

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- i. decline to sign a document from within your DocuSign account, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an e-mail to purchasing@cityofdenton.com and in the body of such request you must state your e-mail, full name, US Postal Address, telephone number, and account number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

Operating Systems:	Windows2000? or WindowsXP?
Browsers (for SENDERS):	Internet Explorer 6.0? or above
Browsers (for SIGNERS):	Internet Explorer 6.0?, Mozilla FireFox 1.0, NetScape 7.2 (or above)
Email:	Access to a valid email account
Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	<ul style="list-style-type: none">•Allow per session cookies•Users accessing the internet behind a Proxy Server must enable HTTP 1.1 settings via proxy connection

** These minimum requirements are subject to change. If these requirements change, we will provide you with an email message at the email address we have on file for you at that time providing you with the revised hardware and software requirements, at which time you will have the right to withdraw your consent.

Acknowledging your access and consent to receive materials electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please verify that you were able to read this electronic disclosure and that you also were able to print on paper or electronically save this page for your future reference and access or that you were able to e-mail this disclosure and consent to an address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format on the terms and conditions described above, please let us know by clicking the 'I agree' button below.

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