

**Request for Construction Change
Summary Change Order No. 2**

City of Franklin
Engineering Office
109 Third Avenue South
Franklin, TN 37064

Contract No. 2014-0037
Project Third Avenue North Trail
PIN 109424.00
Fed. Proj. No. STP-M-9305(28)

Whereas, we **Jones Brothers Contractors, LLC** entered into a contract with the CITY OF FRANKLIN, on **August 20, 2015**, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the City at the prices scheduled therefore below:

Reason for Change Order:

1. To add calendar days to the original contract time due to weather delays.
2. To add calendar days to the original contract time due to additional items of work.
3. Addition of pay items for construction layout due to revisions to the placement of park benches and the location of the remnant wall at Point Park.
4. Addition of pay item for jacked or bored conduit and traffic rated pull box in order that power can be provided to service Point Park due to other conduits having fiber, etc. within them.
5. Addition of mobilization for JBC due to the Main Street Festival (04/23/16). JBC had to move equipment and materials in order to secure site due to amount of visitors that were anticipated for the event in downtown Franklin.
6. Removal of Hardwood mulch from the project and replacing it with pine straw.
7. Addition of cost to lower/relocate existing irrigation mainline at the overlook structure and brick walk near intersection of 3rd and 4th Avenues.
8. Addition of River Rock to Water Stairs in order to minimize wash out of originally design mulch and plant material during high water levels, thus reducing maintenance.

Attachments (List documents supporting change):

1. JBC Weather Delays – May 2016, June 2016, July 2016
2. TDOT LP Field Change Order documents (TDOT Field Change Order #4, dated 04/21/16, TDOT LP Field Change Order #5, dated 06/08/16, TDOT LP Field Change Order #6, dated 08/02/16)

Item No.	Description of Work	Unit	Estimated Quantity	Unit Price	Amount
105-01.50	Construction Layout	LS	1	\$1,118.25	+ \$1,118.25
714-03	Jack or Bored Conduit (2" Sch 80 PVC)	LF	100	\$23.56	+ \$2,356.00
714-05.07	Pull Box (12"x12"x12" Traffic Rated)	EACH	2	\$321.30	+ \$642.60

717-01.04	Mobilization (Special Event)	LS	1	\$3,750.00	+ \$3,750.00
801-06.10	Shredded Hardwood Mulch	CY	-52	\$45.00	-\$2,340.00
801-06.10	Pine Straw Mulch	CY	50	\$45.00	+ \$2,250.00
920-12.01	Relocate/Lower Existing Irrigation	LS	1	\$3,724.80	+ 3,724.80
920-13.01	River Rock	SF	255	\$22.24	+ \$5,671.20
TOTAL					+ \$17,172.85

CHANGE IN CONTRACT PRICE:	
Original Contract Price	\$ 1,253,257.31
Net Increase (Decrease) from previous Change Orders	
No. 0 to 1: \$32,269.60	
Contract Price prior to this Change Order:	\$1,285,526.91
Net <u>increase</u> of this Change Order:	\$17,172.85
Contract Price with all approved Change Orders:	\$1,302,699.76

CHANGE IN CONTRACT TIMES:	
Original Contract Times: 240 Calendar Days	
Substantial Completion: *****	
Ready for final payment: <u>May 17, 2016 (240 days)</u>	
Net change from previous Change Orders No. 0 to 1 to:	
Substantial Completion: *****	
Ready for final payment: <u>75 calendar days</u>	
Contract Times prior to this Change Order:	
Substantial Completion: *****	
Ready for final payment: <u>July 31, 2016 (315 days)</u>	
Net increase (decrease) this Change Order:	
Substantial Completion: *****	
Ready for final payment: <u>23 calendar days</u>	
Contract Times with all approved Change Orders:	
Substantial Completion: *****	
Ready for final payment: <u>August 23, 2016 (338 days)</u>	

Now, Therefore, We, **Jones Brothers Contractors, LLC**, hereby agree to this Change Order consisting of the above mentioned items and prices, and agree that this Change Order is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except in so far as specifically modified by this Change Order.

RECOMMENDED FOR APPROVAL BY:

By: [Signature] By: [Signature] By: _____
ENGINEER CITY PROJECT MANAGER DIRECTOR OF ENGINEERING

Date: 8/4/16 Date: 08/08/2016 Date: _____

ACCEPTED

By: [Signature]

CONTRACTOR (Authorized Signature)

Date: 5/14/16

APPROVED:

By: _____
OWNER (Authorized Signature)

Date: _____

Supplemental Agreement and/or Request for Construction Change Change Order Request # 4

Project Title/Termini:	City of Franklin - 3rd Avenue North Trail/Greenway		
Owner:	City of Franklin	PIN:	109424.00
Address:	109 3 rd Avenue South	State Project No.:	94LPLM-F3-018
	Franklin, TN 37064	Federal Project No.:	STP-M-9305(28)
Date Prepared:	4/21/2016	Contract No.:	2014-0037
		County:	WILLIAMSON

Whereas, we Jones Bros. Contractors, LLC with Western Surety Co., as a Surety, entered into a contract with the City of Franklin, on August 20, 2015, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered, are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the Owner at the price(s) scheduled therefore below:

The purpose of this Change Order is to:

Add Item No. 105-01.50 Construction Layout to the contract. The construction layout is to cover layout cost due to revisions to the placement of park benches and the location of a remnant wall.

As a result of this Change Order, contract time shall:

☒ Not Change, ☐ Increase by ____ days, ☐ Decrease by ____ days

Original contraction Completion Time: 240 calendar days (Date: May 17, 2016)

Approved Change Orders: N/A

Current Change Order: -

Contract Completion Time with Change Orders: 240 calendar days (Date: May 17, 2016)

Unit prices listed below include labor, materials, profit, overhead, and incidentals necessary to complete this work. A separate attached spreadsheet with the same information may be used in lieu of the table below.

Item No.	Description	Unit	Current/ Pending Quantities	Revised Quantities	QTY Over + QTY Under -	Contract Price	Net Amount Due Change
105-01.50	Construction Layout	LS	-	+1	+1	\$1,118.25	\$1,118.25
						\$	\$
						\$	\$
						\$	\$
						\$	\$

Bid Contract Amount: \$1,253,257.31

Current Change Order: \$1,118.25

Approved Change Orders: \$32,269.60

Pending Change Orders: \$1,118.25



Local Government Guidelines Form 8-30
March 1, 2016

Total Change Orders to Date: ~~\$33,388.10~~

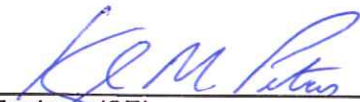
\$33,387.85

**Supplemental Agreement and/or Request for Construction Change
Change Order Request # 4**

Project Title/Termini:	City of Franklin - 3rd Avenue North Trail/Greenway		
Owner:	City of Franklin	PIN:	109424.00
Address:	109 3 rd Avenue South	State Project No.:	94LPLM-F3-018
	Franklin, TN 37064	Federal Project No.:	STP-M-9305(28)
Date Prepared:	4/21/2016	Contract No.:	2014-0037
		County:	WILLIAMSON

Now, Therefore, We, Jones Bros. Contractors, LLC, Contractors, and Western Surety Co., Surety, hereby agree to the Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except insofar as specifically modified by this Supplemental Agreement.

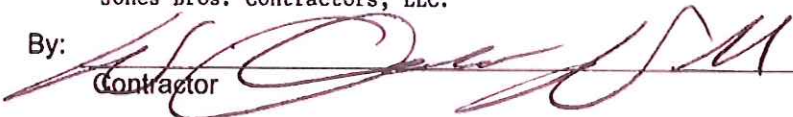
Recommended for Approval

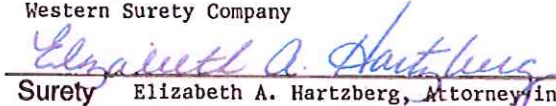
By:  6/1/16
Engineer/CEI Date


Approved for Eligibility:

By: **APPROVED**
By Sarah Sutton at 7:08 am, Jun 02, 2016
Local Programs Planner Date

Approved By:

Jones Bros. Contractors, LLC.
By:  06/24/16
Contractor Date

Western Surety Company
By: 
Surety Elizabeth A. Hartzberg, Attorney-in-Fact 6-1-2016 Date

By:  06/02/2016
Owner Date

Western Surety Company

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
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POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

E J Pennisi Jr, Deborah S Hudgins, Elizabeth A Hartzberg, Jimmy M Evans Jr, Individually

of Nashville, TN, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 10th day of June, 2015.



WESTERN SURETY COMPANY

Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 10th day of June, 2015, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

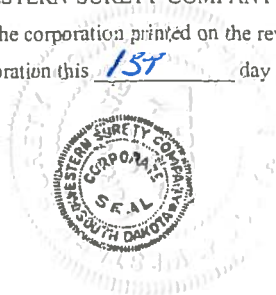
February 12, 2021



S. Eich, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 15th day of JUNE, 2016.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary



Jones Bros. Contractors, LLC

May 24, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Subject: Supplemental Request #007 – Additional Surveying Services

Jones Bros. Contractors, LLC ("JBC") respectfully submits the pricing below to incorporate additional surveying services as requested by the owner's representatives.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE
105-02	Additional Surveying Services	1	LS	\$ 1,118.25

The above pricing includes labor, equipment, materials, profit, overhead, and bond.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Josh Randall". The signature is written in a cursive, flowing style.

Josh Randall
Jones Bros. Contractors, LLC

Josh Randall

From: Vander Horst, Stephen <svanderhorst@cecinc.com>
Sent: Wednesday, May 11, 2016 6:02 PM
To: Josh Randall
Subject: RE: Extra Services for Bicentennial Park

Sorry, total cost = \$1065.00

Stephen VanderHorst, L.S.I.T. / Survey Tech IV

Civil & Environmental Consultants, Inc.

325 Seaboard Lane · Suite 170 · Franklin, TN 37067

Toll-Free: (800) 763-2326 · Cell: (931) 623-8913 · Fax: (615) 333-7751

E-Mail: svanderhorst@cecinc.com · <http://www.cecinc.com>

Senior Leadership · Integrated Services · Personal Business Relationships

From: Vander Horst, Stephen
Sent: Wednesday, May 11, 2016 6:01 PM
To: Josh Randall (jrandall@jonesbroscot.com)
Subject: Extra Services for Bicentennial Park

Josh,

Below is the effort CEC put forth on the relocated park benches and additional remnant wall:

- Park Benches
 - Field locate proposed park benches (1hr@\$135)
 - Calculate grades for re-located park benches (2hr@\$85)
 - Stake re-located park benches w/offsets (2hr@\$135)
- Additional Remnant Wall
 - Field locate existing remnant walls (2hr@\$135)
 - Calculate location of additional remnant wall w/grade (1hr@\$85)
 - Stake additional remnant wall w/offsets (1hr@\$135)

Let me know if you have any questions.

Thanks,

Stephen VanderHorst, L.S.I.T. / Survey Tech IV

Civil & Environmental Consultants, Inc.

325 Seaboard Lane · Suite 170 · Franklin, TN 37067

Toll-Free: (800) 763-2326 · Cell: (931) 623-8913 · Fax: (615) 333-7751

E-Mail: svanderhorst@cecinc.com · <http://www.cecinc.com>

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Local Government Guidelines Form 8-30
March 1, 2016

**Supplemental Agreement and/or Request for Construction Change
Change Order Request # 5**

Project Title/Termini: City of Franklin - 3rd Avenue North Trail/Greenway
 Owner: City of Franklin PIN: 109424.00
 Address: 109 3rd Avenue South State Project No.: 94LPLM-F3-018
Franklin, TN 37064 Federal Project No.: STP-M-9305(28)
 Date Prepared: 6/8/2016 Contract No.: 2014-0037
 County: WILLIAMSON

Whereas, we Jones Bros. Contractors, LLC with Western Surety Co., as a Surety, entered into a contract with the City of Franklin, on August 20, 2015, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered, are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the Owner at the price(s) scheduled therefore below:

The purpose of this Change Order is to:

Add Item No. 714-03 Jacked or Bored Conduit (2" SCH 80 PVC) and Item No. 714-05.07 Pull Box (12"x12"x12" Traffic Rated) to the contract. This additional conduit will need to be installed in order that power can be provided to service Point Park due to the other conduits having fiber, etc. within them.

As a result of this Change Order, contract time shall:

☒ Not Change, ☐ Increase by ____ days, ☐ Decrease by ____ days

Original contraction Completion Time: 240 calendar days (Date: May 17, 2016)

Approved Change Orders: N/A

Current Change Order: -

Contract Completion Time with Change Orders: 240 calendar days (Date: May 17, 2016)

Unit prices listed below include labor, materials, profit, overhead, and incidentals necessary to complete this work. A separate attached spreadsheet with the same information may be used in lieu of the table below.

Item No.	Description	Unit	Current/ Pending Quantities	Revised Quantities	QTY Over + QTY Under -	Contract Price	Net Amount Due Change
714-03	Jack or Bored Conduit (2" Sch 80 PVC)	LF	-	+100	+100	\$23.56	\$2,356.00
714-05.07	Pull Box (12"x12"x12" Traffic Rated)	EACH	-	+2	+2	\$321.30	\$642.60
						\$	\$
						\$	\$
						\$	\$



Local Government Guidelines Form 8-30
March 1, 2016

Bid Contract Amount: \$1,253,257.31
Current Change Order: \$2,998.60
Approved Change Orders: \$33,387.85
Pending Change Orders: ~~\$1,118.25~~ **\$2,998.60**
Total Change Orders to Date: \$36,386.45

**Supplemental Agreement and/or Request for Construction Change
Change Order Request # 5**

Project Title/Termini: City of Franklin - 3rd Avenue North Trail/Greenway
Owner: City of Franklin PIN: 109424.00
Address: 109 3rd Avenue South State Project No.: 94LPLM-F3-018
Franklin, TN 37064 Federal Project No.: STP-M-9305(28)
Date Prepared: 6/8/2016 Contract No.: 2014-0037
County: WILLIAMSON

Now, Therefore, We, Jones Bros. Contractors, LLC, Contractors, and Western Surety Co., Surety, hereby agree to the Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except insofar as specifically modified by this Supplemental Agreement.

Recommended for Approval

By: [Signature] 06/10/16
Engineer/CEI Date

**Approved for
Eligibility:**

APPROVED
By: By Sarah Sutton at 9:01 am, Jun 10, 2016
Local Programs Planner Date

Approved By: Jones Bros. Contractors, LLC

By: [Signature] 6/9/16
Contractor Date
Western Surety Company
By: [Signature]
Surety Elizabeth A. Hartzberg, Attorney-in-Fact 6-9-2016 Date



Local Government Guidelines Form 8-30
March 1, 2016

By: 
Owner

06/10/2016
Date

Western Surety Company

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
Page 12 of 32

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

E J Pennisi Jr, Deborah S Hudgins, Elizabeth A Hartzberg, Jimmy M Evans Jr, Individually

of Nashville, TN, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 10th day of June, 2015.



WESTERN SURETY COMPANY

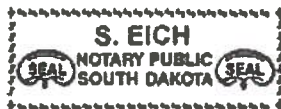
Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 10th day of June, 2015, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

February 12, 2021



S. Eich, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 9th day of June, 2016.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary



June 8, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Subject: Supplemental Request #008 – Road Bore for Lighting Power

Jones Bros. Contractors, LLC ("JBC") respectfully submits the pricing below to incorporate additional electrical scope items as requested by the owner's representatives.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE
714-03	Jacked or Bored Conduit (2 SCH 80 PVC)	100	LF	\$ 23.56
714-05.07	Pull Box (12"x12"x12" Traffic Rated)	2	Each	\$ 321.30

The above pricing includes labor, equipment, materials, profit, overhead, and bond.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Josh Randall".

Josh Randall
Jones Bros. Contractors, LLC

S & W CONTRACTING COMPANY, INC.
ELECTRICAL CONTRACTORS - TRAFFIC DIVISION
952 NEW SALEM ROAD
MURFREESBORO, TENNESSEE 37129
PHONE (615) 893-2511 FAX (615) 895-2030

Contract #. City of Franklin
Project #. Bicentennial Park - 1
County: Williamson
Bid Date: 9/9/2014
Date: 6/7/2016
Call No.:

QUOTATION:

CONTRACTOR: Jones Bros. Contractors, LLC
ATTENTION: Mr. Josh Randall

Item No.:	Description:	Unit:	Qty:	Unit Price:	Total:
714-05.07	Pull Box (12"x12"x12" Traffic Rated)	EA	2	\$ 300.00	\$ 600.00
714-03	Jacked or Bored Conduit (2" SCH 80 PVC)	LF	100	\$ 22.00	\$ 2,200.00

w/ 2% \sum \$ 306.00
sub bond \sum \$ 22.44

w/ 5% \sum \$ 321.30
JBC \sum \$ 23.56

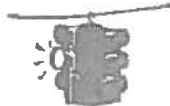
Total Cost: \$ 2,800.00
If Bond is required please add: $(5\% / 2800 = 2\%)$ \$ 56.00
Total Cost with Bond Included: \$ 2,856.00

Excluded: Electrical Design, Engineering & Layout, Pavement Marking, Easements, Utility Fees
Sidewalk Repair, Street Repair, Roadway Permits, Rock, Traffic Control.

Mitch Arnold
Project Manager, Traffic Division
Home (615) 890-3337 - Mobile (615) 207-3327 - E-Mail marnold@sandwcontracting.com

Completion Date:

STATE OF TENNESSEE LICENSE
ID NUMBER: 18759
EXP. DATE: 05/31/17
CLASS: MC-A.C; E-B.C; BC; CE-B; CE; HRA-E(1);
UNLIMITED



"SUPPORT OUR TROOPS · GOD BLESS AMERICA"

Supplemental Agreement and/or Request for Construction Change Change Order Request # 6

Project Title/Termini:	City of Franklin - 3rd Avenue North Trail/Greenway		
Owner:	City of Franklin	PIN:	109424.00
Address:	109 3 rd Avenue South	State Project No.:	94LPLM-F3-018
	Franklin, TN 37064	Federal Project No.:	STP-M-9305(28)
Date Prepared:	8/2/2016	Contract No.:	2014-0037
		County:	WILLIAMSON

Whereas, we Jones Bros. Contractors, LLC with Western Surety Co., as a Surety, entered into a contract with the City of Franklin, on August 20, 2015, for the construction by said Contractor of the above designated contract; and *Whereas*, certain items of construction encountered, are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the Owner at the price(s) scheduled therefore below:

The purpose of this Change Order is to:

Add Item No. 920-12.01 Relocate/Lower Existing Irrigation. The existing irrigation located near the proposed overlook at the intersection of 3rd and 4th Avenues had to be lowered in order to construct the proposed brick sidewalk and concrete sidewalk.

Add Item No. 920-13.01 River Rock to the contract. This river rock will be placed within the water stairs area and will replace the originally designed mulch and plants that might be washed out during high river levels. This will result in reduced maintenance costs.

Add Item No. 717-01.04 Mobilization to the contract. This mobilization charge is for the effort that JBC had to expend to move equipment and materials to prepare site for the April 23rd Main Street Festival. Site had to be secured due to large crowds expected in the downtown Franklin area.

Replace Item No. 801-06.10 Shredded Hardwood Mulch with Pine Straw Mulch. Item number will be the same, however quantity was reduced by 2 CY. Cost for item remains the unchanged.

Add Contract Time due to unanticipated issues involving repairs to the existing irrigation system that would have to be relocated due to conflicts with the proposed sidewalks. Time will also be increased due to the addition of the river rocks, and placement of pine straw in lieu of hardwood mulch as originally designed.

Add Contract Time due to weather delays for the months of May, June and July.

As a result of this Change Order, contract time shall:

☐ Not Change, ☒ Increase by 75 days, ☐ Decrease by _____ days

Original contraction Completion Time: 240 calendar days (Date: May 17, 2016)

Approved Change Orders: COF CO #1 - 75 Calendar Days

Current Change Order: 23 calendar days (Pending BOMA approval)

Contract Completion Time with Change Orders: 315 calendar days (Date: July 31, 2016)

Unit prices listed below include labor, materials, profit, overhead, and incidentals necessary to complete this work. A separate attached spreadsheet with the same information may be used in lieu of the table below.



Local Government Guidelines Form 8-30
March 1, 2016

Item No.	Description	Unit	Current/ Pending Quantities	Revised Quantities	QTY Over + QTY Under -	Contract Price	Net Amount Due Change
920-12.01	Relocate/Lower Existing Irrigation	LS	-	+1	+1	\$3,724.80	\$3,724.80
920-13.01	River Rock	SF	-	+255	+255	\$22.24	\$5,671.20
801-06.10	Shredded Hardwood Mulch	CY	52	-52	-52	\$45.00	\$(2,340.00)
801-06.10	Pine Straw Mulch	CY	-	+50	+50	\$45.00	\$2250.00
717-01.04	Mobilization (Special Event)	LS	-	+1	+1	\$3,750.00	\$3,750.00

Bid Contract Amount: \$1,253,257.31
Current Change Order: \$13,056.00
Approved Change Orders: \$36,386.45 (\$32,269.60 approved by BOMA)
Pending Change Orders: \$13,056.00
Total Change Orders to Date: \$49,442.45

**Supplemental Agreement and/or Request for Construction Change
Change Order Request # 6**

Project Title/Termini: City of Franklin - 3rd Avenue North Trail/Greenway
Owner: City of Franklin PIN: 109424.00
Address: 109 3rd Avenue South State Project No.: 94LPLM-F3-018
Franklin, TN 37064 Federal Project No.: STP-M-9305(28)
Date Prepared: 8/2/2016 Contract No.: 2014-0037
County: WILLIAMSON

Now, Therefore, We, Jones Bros. Contractors, LLC, Contractors, and Western Surety Co., Surety, hereby agree to the Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except insofar as specifically modified by this Supplemental Agreement.

Recommended for Approval

By: 8/3/16
Engineer/CEI Date

**Approved for
Eligibility:**



Local Government Guidelines Form 8-30
March 1, 2016

APPROVED

By Sarah Sutton at 9:16 am, Aug 03, 2016

By:

Local Programs Planner

Date

Approved By:

Jones Bros. Contractors, LLC

By:

Contractor

Date

Western Surety Company

By:

Surety

Elizabeth A. Hartzberg, Attorney-in-Fact 8-3-2016

Date

By:

Owner

Date

Western Surety Company

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
Page 18 of 32

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

E J Pennisi Jr, Deborah S Hudgins, Elizabeth A Hartzberg, Jimmy M Evans Jr, Individually

of Nashville, TN, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 10th day of June, 2015.



WESTERN SURETY COMPANY

Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 10th day of June, 2015, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

February 12, 2021



S. Eich, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 3RD day of AUGUST, 2016.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary



Jones Bros. Contractors, LLC

August 1, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Subject: Supplemental Request #011 – Mulch & Irrigation Revisions

Jones Bros. Contractors, LLC (“JBC”) respectfully submits the pricing below to incorporate the irrigation and mulch revisions requested by the owner.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	Additional Time Required
801-06.10	Shredded Hardwood Mulch (Remove)	52	CY	(\$ 45.00)	0-Days
801-06.10	Pine Straw Mulch	50	CY	\$ 45.00	3-Days
920-12.01	1.5" Control valve with box	12	Each	\$ 3,911.04	4-Days
920-13.01	River Rock	255	SF	\$ 22.61	4-Days

The above pricing includes labor, equipment, materials, profit, overhead, and bond.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

Josh Randall
Jones Bros. Contractors, LLC

Attachments: 3-pages

REED LANDSCAPING, INC.

Certified Minority Women Business

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
Page 20 of 32

July 20, 2016

Jones Brothers
P O Box 158067
Nashville TN 37215

CHANGE ORDER REQUEST: 002

Attention: Josh Randall

Re: 3rd Ave - Bicentennial Trail, Franklin TN

Below is our proposal as described. This is in addition to the quantities contracted.

ITEM #	DESCRIPTION	QTY	UNIT	RATE	PRICE
	Relocate mainline at overlook & brick walk location				
721-01.17	1.5" Control valve with box	12	EA	310.40	3,724.80
					\$ 3,724.80

CONTRACT TIME TO BE EXTENDED BY 4 DAYS

item No. 920-12.01

Note:

1. Written acknowledgment for the charges and extension of time to be received prior to work being performed.

We appreciate the opportunity to submit our proposal and thank you for the consideration.

Sincerely,

Letisia Smit
Project Manager
Reed Landscaping, Inc.



REED LANDSCAPING, INC.

Certified Minority Women Business

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
Page 21 of 32

July 25, 2016

REVISED 07/28/2016

Jones Brothers
P O Box 158067
Nashville TN 37215

CHANGE ORDER REQUEST: 003

Attention: Josh Randall

Re: 3rd Ave - Bicentennial Trail, Franklin TN

Below is our proposal as described. This is in addition to the quantities contracted.

ITEM #	DESCRIPTION	QTY	UNIT	RATE	PRICE
ADD	Place 3"-5" River Slicks to water stairs at 6"	255	SF	21.06	5,370.30
DEDUCT	Original mulch for water stairs	2	CY	(45.00)	(90.00)
					5,280.30
	Bond Fee				121.45
					\$ 5,401.75

CONTRACT TIME TO BE EXTENDED BY 4 DAYS item No. 920-13.01

Note:

1. Written acknowledgement for the charges and extension of time to be received prior to work being performed.

We appreciate the opportunity to submit our proposal and thank you for the consideration.

Sincerely,

Letisia Smit
Project Manager
Reed Landscaping, Inc.



REED LANDSCAPING, INC.

Certified Minority Women Business

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
Page 22 of 32

July 25, 2016

Jones Brothers
P O Box 158067
Nashville TN 37215

CHANGE ORDER REQUEST: 004

Attention: Josh Randall

Re: 3rd Ave - Bicentennial Trail, Franklin TN

Below is our proposal as described. This is in addition to the quantities contracted.

ITEM #	DESCRIPTION	QTY	UNIT	RATE	PRICE
	Upcharge for mulch to pine straw	0	CY	-	-
	Bond Fee				-
					\$ -

CONTRACT TIME TO BE EXTENDED BY ~~4~~ DAYS

Note:

3 Days

1. Written acknowledgement for extension of time to be received prior to work being performed.
2. Placing pine straw is more time consuming than shredded hardwood mulch.

We appreciate the opportunity to submit our proposal and thank you for the consideration.

Sincerely,

Letisia Smit
Project Manager
Reed Landscaping, Inc.





Jones Bros. Contractors, LLC

July 26, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Subject: Supplemental Request #010-REV - Build/Remove Berm for Event

Jones Bros. Contractors, LLC ("JBC") respectfully submits the pricing below to incorporate the work for the installation and removal of an earth berm across the south-eastern quadrant of the jobsite for the purposes of limiting vehicular and pedestrian traffic during special events unrelated to the project.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	Additional Time Required
717-01.04	Mobilization	1	LS	\$ 3,750	2-Days

The above pricing includes labor, equipment, materials, profit, overhead, and bond. A detailed breakdown is attached for your review.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

Josh Randall
Jones Bros. Contractors, LLC

Attachments: none

June 1, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037 (the "Project")
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Please accept this letter and the related documentation as Jones Bros Contractors formal claim for additional contract days due to adverse weather conditions incurred on the Project from the start of the Project through May 31, 2016.

Month	Baseline Weather Days	Actual Weather Days	Days in Excess (Additional Time)	Additional Dry-out Days	Total Days Requested
2015, 09 - September (Pro-Rata)	1	2	1	1	2
2015, 10 - October	5	8	3	3	6
2015, 11 - November	6	7	1	1	2
2015, 12 - December	11	7	0	0	0
2016, 1 - January	12	12*	0	0	0
2016, 2 - February	11	9	0	0	0
2016, 3-March	8	8	0	0	0
2016, 4-April	7	7	0	0	0
2016, 5-May	7	8	1	1	2
TOTAL TO DATE:					12
*January includes 5 rain days and 7 for snow covered days.					

Please let me know if you need any further information.

Sincerely,
JONES BROS CONTRACTORS, LLC



Josh Randall
Project Manager

Attachments: 1-Page, May Weather Data*
*Previous months submitted previously/separately



Monthly Rainfall Log

State/US Route or Road Name: 3rd Avenue Greenway/Trail-Bicentennial Park

94LPLM-F3-018

Construction #:

Contract #:

2014-0037/TDOT PIN 109424.00

Date	Day of Week ¹	Predicted Precipitation (%) ²	Rainfall Gauge 1 (in)	Rainfall Gauge 2 (in)	Rainfall Gauge 3 (in)	Rainfall Gauge 4 (in)		Duration (hr)
1	Sun.	0%(NWS)	0	0				
2	Mon.	90%(NWS)	.19	.18				24hrs.
3	Tue.	90%(NWS)	.35	.32				24hrs.
4	Wed.	50%(NWS)	.13	.12				24hrs.
5	Thur.	80%(NWS)	0	0				
6	Fri.	0%(NWS)	0	0				
7	Sat.	0%(NWS)	0	0				
8	Sun.	0%(NWS)	0	0				
9	Mon.	0%(NWS)	0	0				
10	Tues.	70%(NWS)	.04	.04				24hrs.
11	Wed.	60%(NWS)	.03	.04				24hrs.
12	Thur.	90%(NWS)	.58	1.12*				24hrs.
13	Fri.	0%(NWS)	0	0				
14	Sat.	0%(NWS)	0	0				
15	Sun.	0%(NWS)	0	0				
16	Mon.	60%(NWS)	0	0				
17	Tues.	60%(NWS)	.28	.27				24hrs.
18	Wed.	30%(NWS)	.035	.042				24hrs.
19	Thur.	50%(NWS)	0	0				
20	Fri.	100%(NWS)	.61	.49				24hrs.
21	Sat.	100%(NWS)	0	0				
22	Sun.	0%(NWS)	0	0				
23	Mon.	0%(NWS)	.77	.75				72hrs.
24	Tue.	0%(NWS)	0	0				
25	Wed.	10%(NWS)	0	0				
26	Thur.	50%(NWS)	.10	.12				24hrs.
27	Fri.	50%(NWS)	0	0				
28	Sat.	20%(NWS)	0	0				
29	Sun.	0%(NWS)	0	0				
30	Mon.	0%(NWS)	0	0				
31	Tues.	0%(NWS)	0	0				

¹ Day of Week= Su,M,Tu,W,Th,F,Sa

² Predicted Precipitation Source:

³ Reference site source:

R = Gauge Removed

* believe gauge tampered with. (no sign of 3/4" more rain).

8 DAYS ≥ 0.10"

July 1, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037 (the "Project")
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Please accept this letter and the related documentation as Jones Bros Contractors formal claim for additional contract days due to adverse weather conditions incurred on the Project from the start of the Project through June 30, 2016.

Month	Baseline Weather Days	Actual Weather Days	Days in Excess (Additional Time)	Additional Dry-out Days	Total Days Requested
2015, 09 - September (Pro-Rata)	1	2	1	1	2
2015, 10 - October	5	8	3	3	6
2015, 11 - November	6	7	1	1	2
2015, 12 - December	11	7	0	0	0
2016, 1 - January	12	12*	0	0	0
2016, 2 - February	11	9	0	0	0
2016, 3-March	8	8	0	0	0
2016, 4-April	7	7	0	0	0
2016, 5-May	7	8	1	1	2
2016, 6-June	6	8	2	2	4
TOTAL TO DATE:					16
*January includes 5 rain days and 7 for snow covered days.					

Please let me know if you need any further information.

Sincerely,
JONES BROS CONTRACTORS, LLC



Josh Randall
Project Manager

Attachments: 2-Pages, June Weather Data*

*Previous months submitted previously/separately

Select Other Date

Explanation of the Preliminary Monthly Climate Data (F6) Product

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - <http://www.ncdc.noaa.gov>.

WFO Monthly/Daily Climate Data

210

CXUS55 KOHX 011010

CF6BNA

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: NASHVILLE

MONTH: JUNE

YEAR: 2016

LATITUDE: 36 7 N

LONGITUDE: 86 41 W

8 DAYS RAIN $\geq 0.10"$ IN JUNE

- 6 DAYS BASELINE

= 2 DAYS IN EXCESS

+ 2 DAY-OUT DAYS

= 4 DAYS WEATHER DELAY

TEMPERATURE IN F:						:PCPN:		SNOW:		WIND		:SUNSHINE:				SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12.	13	14	15	16	17	18	
12Z AVG MX 2MIN																			
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	5-5	WX	SPD	DR	
1	92	67	80	8	0	15	0.27	0.0	0	4.7	20	130	M	M	6	13	25	120	
2	88	68	78	6	0	13	0.02	0.0	0	3.4	15	160	M	M	8	1	22	290	
3	89	67	78	6	0	13	0.85	0.0	0	3.5	24	60	M	M	8	138	33	60	
4	85	68	77	4	0	12	0.26	0.0	0	4.2	14	320	M	M	8	13	20	320	
5	86	68	77	4	0	12	0.11	0.0	0	4.6	16	280	M	M	7	1	21	280	
6	88	62	75	2	0	10	0.00	0.0	0	3.2	10	300	M	M	3	1	21	290	
7	84	63	74	0	0	9	0.00	0.0	0	7.7	21	340	M	M	1		26	320	
8	84	56	70	-4	0	5	0.00	0.0	0	4.4	16	20	M	M	1		23	330	
9	85	56	71	-3	0	6	0.00	0.0	0	2.8	12	60	M	M	4		16	40	
10	92	60	76	2	0	11	0.00	0.0	0	2.9	10	100	M	M	1		14	100	
11	95	65	80	5	0	15	0.00	0.0	0	3.9	12	320	M	M	1		17	220	
12	95	70	83	8	0	18	0.00	0.0	0	5.1	14	350	M	M	3		23	320	
13	97	74	86	11	0	21	0.04	0.0	0	3.0	22	360	M	M	4	138	26	360	
14	91	72	82	6	0	17	0.11	0.0	0	4.3	20	170	M	M	3	138	24	180	
15	92	69	81	5	0	16	0.24	0.0	0	4.6	37	330	M	M	7	13	53	320	
16	98	67	83	7	0	18	0.00	0.0	0	5.4	15	300	M	M	5		23	300	
17	87	73	80	4	0	15	0.00	0.0	0	9.2	20	50	M	M	4		28	30	
18	90	70	80	4	0	15	T	0.0	0	5.1	15	140	M	M	6		18	130	
19	90	71	81	4	0	16	0.00	0.0	0	5.3	16	190	M	M	6		21	170	
20	91	71	81	4	0	16	0.00	0.0	0	3.3	10	260	M	M	5		13	250	
21	93	73	83	6	0	18	0.00	0.0	0	5.2	15	270	M	M	7	1	22	270	
22	97	76	87	10	0	22	0.00	0.0	0	6.3	14	210	M	M	5		20	250	
23	97	71	84	6	0	19	0.01	0.0	0	9.2	32	320	M	M	4	38	48	300	
24	93	69	81	3	0	16	1.99	0.0	0	8.0	18	320	M	M	7	13	26	290	
25	94	73	84	6	0	19	0.00	0.0	0	2.6	22	200	M	M	6	138	26	200	
26	95	73	84	6	0	19	0.01	0.0	0	2.9	17	130	0	0	6	3	24	130	
27	90	73	82	4	0	17	0.07	0.0	0	2.9	23	10	M	M	8	138	30	20	
28	94	69	82	4	0	17	0.47	0.0	0	3.6	36	350	M	M	7	1238	51	350	
29	85	63	74	-4	0	9	0.00	0.0	0	7.5	14	30	M	M	3		22	350	
30	88	59	74	-5	0	9	0.00	0.0	0	3.4	12	340	M	M	2		20	300	
SM 2725 2036																			
					0 438		4.45		0.0 142.2				0		146				

7/1/2016

National Weather Service - Climate Data

COF 2014-0037 3rd Ave Trail
Change Order No. 2
Exhibit A
Page 28 of 32

AV 90.8 67.9

4.7 FASTST 0 0 5 MAX(MPH)
MISC ----> # 37 330 # 53 320

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: NASHVILLE
MONTH: JUNE
YEAR: 2016
LATITUDE: 36 7 N
LONGITUDE: 86 41 W

[TEMPERATURE DATA]

[PRECIPITATION DATA]

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 79.4
DPTR FM NORMAL: 3.7
HIGHEST: 98 ON 16
LOWEST: 56 ON 9, 8

TOTAL FOR MONTH: 4.45
DPTR FM NORMAL: 0.31
GRTST 24HR 2.00 ON 23-24
SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY
TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM:
VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

[WEATHER - DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 19
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

0.01 INCH OR MORE: 13
0.10 INCH OR MORE: 8
0.50 INCH OR MORE: 2
1.00 INCH OR MORE: 1

[HDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL -3
TOTAL FM JUL 1 2736
DPTR FM NORMAL -952

CLEAR (SCALE 0-3) 8
PTCLDY (SCALE 4-7) 21
CLOUDY (SCALE 8-10) 1

[CDD (BASE 65)]

TOTAL THIS MO. 438
DPTR FM NORMAL 114
TOTAL FM JAN 1 675
DPTR FM NORMAL 172

[PRESSURE DATA]

HIGHEST SLP 30.31 ON 20
LOWEST SLP 29.75 ON 6

[REMARKS]

#FINAL-06-16#



Jones Bros. Contractors, LLC

August 1, 2016

City of Franklin
109 Third Avenue South
Franklin, TN, 37064

RE: Contract # 2014-0037 (the "Project")
Project #'s: Federal-STP-M-9305(28); State-94LPLM-F3-018; PIN-109424.00
County: Williamson County
Description: City of Franklin Third Avenue North Trail / Greenway

Please accept this letter and the related documentation as Jones Bros Contractors formal claim for additional contract days due to adverse weather conditions incurred on the Project from the start of the Project through July 31, 2016.

Month	Baseline Weather Days	Actual Weather Days	Days in Excess (Additional Time)	Additional Dry-out Days	Total Days Requested
2015, 09 - September (Pro-Rata)	1	2	1	1	2
2015, 10 - October	5	8	3	3	6
2015, 11 - November	6	7	1	1	2
2015, 12 - December	11	7	0	0	0
2016, 1 - January	12	12*	0	0	0
2016, 2 - February	11	9	0	0	0
2016, 3-March	8	8	0	0	0
2016, 4-April	7	7	0	0	0
2016, 5-May	7	8	1	1	2
2016, 6-June	6	8	2	2	4
2016, 7-July	7	9	2	2	4
TOTAL TO DATE:					20
*January includes 5 rain days and 7 for snow covered days.					

Please let me know if you need any further information.

Sincerely,
JONES BROS CONTRACTORS, LLC

Josh Randall
Project Manager

Attachments: 3-Pages, July Weather Data*
*Previous months submitted previously/separately

Select Other Date

Explanation of the Preliminary Monthly Climate Data (F6) Product

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - <http://www.ncdc.noaa.gov>.

WFO Monthly/Daily Climate Data

000

CXUS55 KOHX 011010

CF6BNA

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: NASHVILLE

MONTH: JULY

YEAR: 2016

LATITUDE: 36 7 N

LONGITUDE: 86 41 W

9 DAYS RAIN $\geq 0.10"$ IN JULY
DAYS BASELINE

TEMPERATURE IN F:						:PCPN:		SNOW:		WIND		:SUNSHINE:				SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18	
12Z AVG MX 2MIN																			
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR	
1	91	65	78	-1	0	13	0.01	0.0	0	5.4	14	320	M	M	4		22	320	
2	89	69	79	0	0	14	0.00	0.0	0	5.1	15	10	M	M	6		23	10	
3	95	71	83	4	0	18	0.00	0.0	0	4.7	13	160	M	M	8		15	180	
4	93	75	84	5	0	19	1.52	0.0	0	6.9	24	270	M	M	8	138	36	200	
5	88	74	81	2	0	16	0.84	0.0	0	4.2	13	210	M	M	8	138	16	210	
6	93	71	82	3	0	17	0.42	0.0	0	6.9	30	330	M	M	6	138	39	340	
7	93	70	82	3	0	17	1.68	0.0	0	7.2	24	340	M	M	7	138	37	330	
8	95	70	83	4	0	18	0.24	0.0	0	8.0	39	320	M	M	7	38	60	320	
9	91	70	81	2	0	16	0.00	0.0	0	3.8	12	20	M	M	8		21	310	
10	89	72	81	2	0	16	0.00	0.0	0	2.9	10	110	M	M	8		15	40	
11	88	73	81	2	0	16	0.07	0.0	0	3.1	14	190	M	M	9		17	200	
12	93	71	82	2	0	17	0.00	0.0	0	7.3	15	190	M	M	4		22	220	
13	95	72	84	4	0	19	0.00	0.0	0	6.7	16	180	M	M	2		20	270	
14	91	72	82	2	0	17	0.19	0.0	0	7.1	20	250	M	M	6	138	25	250	
15	90	70	80	0	0	15	0.00	0.0	0	2.5	9	100	M	M	6	12	18	280	
16	90	74	82	2	0	17	T	0.0	0	4.1	13	140	M	M	6		17	10	
17	94	70	82	2	0	17	0.00	0.0	0	2.9	9	130	M	M	4		M	M	
18	97	73	85	5	0	20	0.00	0.0	0	3.3	12	10	M	M	4	1	15	60	
19	95	76	86	6	0	21	T	0.0	0	2.6	17	60	M	M	4	38	24	290	
20	95	73	84	4	0	19	0.00	0.0	0	3.3	13	360	M	M	6	3	22	310	
21	97	73	85	5	0	20	0.00	0.0	0	3.4	12	10	M	M	3	1	16	360	
22	94	75	85	5	0	20	0.00	0.0	0	2.7	10	260	M	M	7	138	16	10	
23	94	75	85	5	0	20	0.00	0.0	0	4.1	15	180	M	M	8	3	20	190	
24	96	73	85	5	0	20	0.00	0.0	0	3.8	10	70	M	M	7		14	210	
25	95	76	86	6	0	21	T	0.0	0	3.6	16	300	M	M	7		23	290	
26	97	74	86	6	0	21	0.18	0.0	0	3.2	18	360	M	M	5	3	25	230	
27	93	73	83	3	0	18	0.00	0.0	0	4.9	15	200	M	M	7	3	18	200	
28	87	75	81	1	0	16	0.76	0.0	0	4.7	13	200	M	M	9	1	17	300	
29	89	74	82	2	0	17	T	0.0	0	6.2	16	210	M	M	8	13	22	210	
30	89	73	81	1	0	16	0.00	0.0	0	3.2	10	280	M	M	7	1	15	300	
31	93	73	83	3	0	18	0.37	0.0	0	2.4	17	340	0	0	7	8	22	340	
SM 2869 2245 0 549 6.28 0.0 140.2 0 196																			

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=====
AV 92.5 72.4          4.5 FASTST  0  0  6  MAX(MPH)
                      MISC ----> # 39 320      # 60 320
=====

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NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: NASHVILLE
 MONTH: JULY
 YEAR: 2016
 LATITUDE: 36 7 N
 LONGITUDE: 86 41 W

[TEMPERATURE DATA]	[PRECIPITATION DATA]	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY: 82.5	TOTAL FOR MONTH: 6.28	1 = FOG OR MIST
DPTR FM NORMAL: 3.1	DPTR FM NORMAL: 2.64	2 = FOG REDUCING VISIBILITY
HIGHEST: 97 ON 26,21	GRTST 24HR 2.10 ON 6- 7	TO 1/4 MILE OR LESS
LOWEST: 65 ON 1		3 = THUNDER
	SNOW, ICE PELLETS, HAIL	4 = ICE PELLETS
	TOTAL MONTH: 0.0 INCH	5 = HAIL
	GRTST 24HR 0.0	6 = FREEZING RAIN OR DRIZZLE
	GRTST DEPTH: 0	7 = DUSTSTORM OR SANDSTORM:
		VSBY 1/2 MILE OR LESS
		8 = SMOKE OR HAZE
		9 = BLOWING SNOW
		X = TORNADO
[NO. OF DAYS WITH]	[WEATHER - DAYS WITH]	
MAX 32 OR BELOW: 0	0.01 INCH OR MORE: 11	
MAX 90 OR ABOVE: 24	0.10 INCH OR MORE: 9	
MIN 32 OR BELOW: 0	0.50 INCH OR MORE: 4	
MIN 0 OR BELOW: 0	1.00 INCH OR MORE: 2	
[HDD (BASE 65)]		
TOTAL THIS MO. 0	CLEAR (SCALE 0-3) 2	
DPTR FM NORMAL 0	PTCLDY (SCALE 4-7) 27	
TOTAL FM JUL 1 0	CLOUDY (SCALE 8-10) 2	
DPTR FM NORMAL 0		
[CDD (BASE 65)]		
TOTAL THIS MO. 549		
DPTR FM NORMAL 103	[PRESSURE DATA]	
TOTAL FM JAN 1 1224	HIGHEST SLP 30.23 ON 19	
DPTR FM NORMAL 275	LOWEST SLP 29.86 ON 27	

[REMARKS]

#FINAL-07-16#

Monthly Rainfall Log

State/US Route or Road Name: **3rd.Avenue Greenway/Trail-Bicentennial Park** Exhibit A
Page 32 of 32

Construction #: **94LPLM-F3-018** Contract #: **2014-0037/TDOT PIN 109424.00**

Date	Day of Week ¹	Predicted Precipitation (%) ²	Rainfall Gauge 1 (in)	Rainfall Gauge 2 (in)	Rainfall Gauge 3 (in)	Rainfall Gauge 4 (in)			Duration (hr)
1	Fri.	10%(NWS)	trace	trace					24hrs.
2	Sat.	0%(NWS)	0	0					
3	Sun.	40%(NWS)	0	0					
4	Mon.	70%(NWS)	0	0					
5	Tue.	70%(NWS)	.20	.22					24hrs.
6	Wed.	70%(NWS)	.21	.25					24hrs.
7	Thur.	30%(NWS)	2.24	2.35					24hrs.
8	Fri.	50%(NWS)	.03	.05					24hrs.
9	Sat.	50%(NWS)	0	0					
10	Sun.	40%(NWS)	0	0					
11	Mon.	70%(NWS)	.51	.54					48hrs.
12	Tue.	30%(NWS)	0	0					
13	Wed.	20%(NWS)	0	0					
14	Thur.	50%(NWS)	.93	.98					24hrs.
15	Fri.	60%(NWS)	.15	.10					24hrs.
16	Sat.	60%(NWS)	0	0					
17	Sun.	30%(NWS)	0	0					
18	Mon.	10%(NWS)	0	0					
19	Tue.	20%(NWS)	.41	.39					24hrs.
20	Wed.	0%(NWS)	0	0					
21	Thur.	80%(NWS)	.05	.07					24hrs.
22	Fri.	10%(NWS)	0	0					
23	Sat.	40%(NWS)	0	0					
24	Sun.	60%(NWS)	0	0					
25	Mon.	20%(NWS)	1.40	1.35					72hrs.
26	Tue.	40%(NWS)	0	0					
27	Wed.	70%(NWS)	.10	.09					24hrs.
28	Thur.	100%(NWS)	trace	trace					24hrs.
29	Fri.	90%(NWS)	0	0					
30	Sat.	80%(NWS)	.18	.20					24hrs.
31	Sun.	80%(NWS)	0	0					

¹ Day of Week= Su,M,Tu,W,Th,F,Sa

² Predicted Precipitation Source:

³ Reference site source:

R = Gauge Removed