

CITY OF WEST DES MOINES

COUNCIL AGENDA

date: Friday, October 7, 2016

time: 7:00 a.m.

MAYOR.....	STEVEN K. GAER	CITY MANAGER.....	TOM HADDEN
COUNCILMEMBER AT LARGE	RICK MESSERSCHMIDT	CITY ATTORNEY.....	RICHARD SCIESZINSKI
COUNCILMEMBER AT LARGE	JIM SANDAGER	CITY CLERK.....	RYAN JACOBSON
COUNCILMEMBER 1ST WARD	KEVIN L. TREVILLYAN		
COUNCILMEMBER 2ND WARD	JOHN MICKELSON		
COUNCILMEMBER 3RD WARD	RUSS TRIMBLE		

City Council Chambers

1. **Call Meeting to Order**

2. **Approval of Agenda**
 - a. Motion - Approval of Agenda

3. **New Business**
 - a. Motion - Approval of Change Order #4 - South 60th Street Improvements - Phase 1

4. **Executive Session**
 - a. Pending/Threatened Litigation
(with retained legal counsel, Deb Tharnish and Michelle Brott)

5. **Receive and File**
 - a. Special Meeting Notice

CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

ITEM:

DATE: October 7, 2016

Motion – Approving Change Order #4
South 60th Street Improvements – Phase 1
Concrete Technologies, Inc.

FINANCIAL IMPACT:

Contract Summary:

Description	Amount	Date Approved	Remarks
Construction Contract	\$4,373,268.62	May 16, 2015	
Change Order 1	\$1,430.00	August 8, 2016	Foundation & debris removal
Change Order 2	\$4,873.00	September 19, 2016	Leon Electrical Service
Change Order 3	\$12,870.00	October 5, 2016	Foundation and debris removal
Change Order 4	\$231,000.00	Pending	Soil stabilization
Total	\$4,623,441.62		

Costs for the change order can be paid from budgeted account number 500.000.000.5250.490 with the ultimate funding intended to come from General Obligation Bonds and TIF. The Engineering Estimate of Construction Costs was \$5,026,924.90 for the bid letting on May 11, 2016. Approved and pending change orders, as noted above, are below the original estimate.

BACKGROUND:

Construction Technologies, Inc. (CTI) has been unable to complete their scheduled work on the South 60th Street Phase 1 project due to utility relocation delays. There is still substantial earthwork required prior to paving that was scheduled for yet this calendar year. The soils that need to be placed are wet and will not compact properly unless they are dried out. Due to the delays, drying weather is at a premium during this time of the year and the contractor has expressed concerns about being able to move forward on the project. The Contractor has recommended and the Engineer has concurred that the use of chemical soil stabilization (lime) will help resolve the soil placement issue. There is no guarantee that the weather will cooperate and the paving can be completed yet this fall. The substantial completion date of the project is December 2, 2016. With that acknowledgement staff is recommending that Change Order #4 be approved.

OUTSTANDING ISSUES: None

RECOMMENDATION:

City Council Adopt:

- Motion Approving Change Order #4

Lead Staff Member: Duane C. Wittstock, P.E., L.S.

dcw

STAFF REVIEWS

Department Director	Duane C. Wittstock, City Engineer
Appropriations/Finance	Tim Stiles, Finance Director <i>TS</i>
Legal	Richard Scieszinski, City Attorney <i>JBW</i>
Agenda Acceptance	<i>RTG</i>

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services		
Date Reviewed	October 5, 2016		
Recommendation	Yes	No	Split



CITY OF WEST DES MOINES

Department of Engineering Services
 4200 Mills Civic Parkway, Ste 2E
 West Des Moines, IA 50265-0320
 (515) 222-3475 Fax (515) 273-0603

CHANGE ORDER

Distribution:

Owner
 Engineer
 Contract
 Other

Contractor: **Concrete Technologies, Inc.**
 1001 SE 37th Street
 Grimes, IA 50111

Project Title	South 60th Street Improvements Project Grand Ave. to 1000 ft. North of Pheasant Ridge Dr.	
WDM Project File Number	0510-021-2014	
Purchase Order Number	2016-00000090	
Orig. Contract Amount & Date	\$4,373,268.62	May 11, 2016
Change Order Number	4	
Date	October 4, 2016	

The Contract has changed as follows:

Due to delays caused by private utility conflicts, embankment construction near the north end of the project was unable to be completed according to the planned staging. This work is approximately two months behind schedule and is no fault of the city's contractor. The on site material to be used for construction of the embankment is above the recommended moisture content range. The normal method of discing and aeration is not as effective during this time of year and drying operations have been hampered by recent precipitation. Chemical modification of the moist soils can be utilized as an alternative to normal field drying methods. Commercial quicklime from Linwood Mining & Materials in Davenport, IA is the recommended material for the chemical modification. The estimated quantity adjustment assumes 14,000cy of embankment requiring treatment, 105pcf dry unit weight of soil, and 5% lime. The location of embankment construction requiring treatment is between Sta. 71+50 and the E.O.P.

Item	Description	Unit	Unit Price	Quantity Adjustment	Value Adjustment
2.15	Chemical Modification of Embankment, Lime	TON	\$231.00	1,000.0	\$231,000.00
	Purchase and transport commercial quicklime (Linwood Mining & Materials, Davenport, IA); incorporate and mix into saturated embankment material; mobilization. Delivery tickets showing tonnage will be provided.				
TOTAL					\$231,000.00

CHANGE ORDER SUMMARY	
The Original Contract Sum was	\$4,373,268.62
Net Change by previously authorized Change Orders	\$19,173.00
The Contract Sum prior to This Change Order was	\$4,392,441.62
The Contract Sum will be increased by this Change Order in the amount of	\$231,000.00
The new Contract Sum including this Change Order will be	\$4,623,441.62
Aggregate Change Order as a percent of Original Contract (if greater than 10% of the original contract, Council Subcommittee recommendation and all signatures through the full Council are required)	5.72%
The Contract Time will be changed by	0 Days
The date of Final Completion as of the date of this Change Order therefore is:	

NOT VALID UNTIL SIGNED BY THE CONTRACTOR, OWNER'S REPRESENTATIVE (if applicable) AND OWNER

Contractor: Concrete Technologies, Inc.	Recommended By: Foth Infrastructure	Checked By: City of West Des Moines
Signature: <i>Trent Petersen</i>	Signature: <i>Brad Hopkey</i>	Signature:
Name: Trent Petersen	Name: Brad Hopkey, P.E.	Name: Duane C. Wittstock, P.E., I.S.
Title: Project Manager	Title: Lead Civil Engineer	Title: City Engineer
Date: 10-5-16	Date: 10/5/16	Date:

Owner: **City of West Des Moines**

<input type="checkbox"/> ≤ \$24,999.99 City Engineer (≤ 10% original contract)	X _____	Date _____
<input type="checkbox"/> \$25,000 to 49,999.99 City Manager	X _____	Date _____
<input type="checkbox"/> \$50,000 City Council approved or ratified at Council		Date _____

**CITY OF WEST DES MOINES**

Department of Engineering Services
 4200 Mills Civic Parkway, Ste 2E
 West Des Moines, IA 50265-0320
 (515) 222-3475 Fax (515) 273-0603

CHANGE ORDER**Distribution:**

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 Engineer
 Contract
 Other

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 1001 SE 37th Street
 Grimes, IA 50111

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WDM Project File Number	0510-021-2014	
Purchase Order Number	2016-0000090	
Orig. Contract Amount & Date	\$4,373,268.62	May 11, 2016
Change Order Number	4	
Date	October 4, 2016	

The Contract has changed as follows:

Due to delays caused by private utility conflicts, embankment construction near the north end of the project was unable to be completed according to the planned staging. This work is approximately two months behind schedule and is no fault of the city's contractor. The on site material to be used for construction of the embankment is above the recommended moisture content range. The normal method of discing and aeration is not as effective during this time of year and drying operations have been hampered by recent precipitation. Chemical modification of the moist soils can be utilized as an alternative to normal field drying methods. Commercial quicklime from Linwood Mining & Materials in Davenport, IA is the recommended material for the chemical modification. The estimated quantity adjustment assumes 14,000cy of embankment requiring treatment, 105pcf dry unit weight of soil, and 5% lime. The location of embankment construction requiring treatment is between Sta. 71+50 and the E.O.P.

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NOT VALID UNTIL SIGNED BY THE CONTRACTOR, OWNER'S REPRESENTATIVE (if applicable) AND OWNER

Contractor: Concrete Technologies, Inc.	Recommended By: Foth Infrastructure	Checked By: City of West Des Moines
Signature:	Signature:	Signature:
Name: Trent Petersen	Name: Brad Hopkey, P.E.	Name: Duane C. Wittstock, P.E., L.S.
Title: Project Manager	Title: Lead Civil Engineer	Title: City Engineer
Date:	Date:	Date:

Owner: City of West Des Moines

<input type="checkbox"/>	IA	\$24,999.99 City Engineer (≤ 10% original contract)	X	Date _____
<input type="checkbox"/>		\$25,000 to 49,999.99 City Manager	X	Date _____
<input type="checkbox"/>		\$50,000 City Council approved or ratified at Council		Date _____



8191 Birchwood Court, Suite L
Johnston, IA 50131
(515) 254-1393 • Fax: (515) 254-1642
www.foth.com

October 4, 2016

Jason Schlickbernd, P.E.
City of West Des Moines
4200 Mills Civic Parkway, Ste. 2E
West Des Moines, IA 50265

Dear Mr. Schlickbernd:

RE: S 60th St. Improvements: Chemical Modification of Embankment

Due to delays caused by private utility conflicts, embankment construction near the north end of the project was unable to be completed according to the planned staging. This work is approximately two months behind schedule at no fault of the City's contractor. The on-site material to be used for construction of the embankment is above the recommended moisture content range. The normal method of discing and aeration is not as effective during this time of year and drying operations have been hampered by recent precipitation. Chemical modification of the moist soils can be utilized as an alternative to normal field drying methods.

Commercial quicklime from Linwood Mining & Materials in Davenport, IA is the recommended material for the chemical modification. Allender Butzke Engineers, Inc. has recommended a spread rate for the quicklime of 5% of the dry unit weight of soil. The dry unit weight of the loess materials is approximately 105 pounds per cubic foot. The estimated quantity of embankment requiring chemical modification between Sta. 71+50 and Sta. 78+25 is 14,000 CY. The estimated quantity of quicklime is 1,000 TON.

Please contact Foth with any questions.

Sincerely,

Foth Infrastructure & Environment, LLC

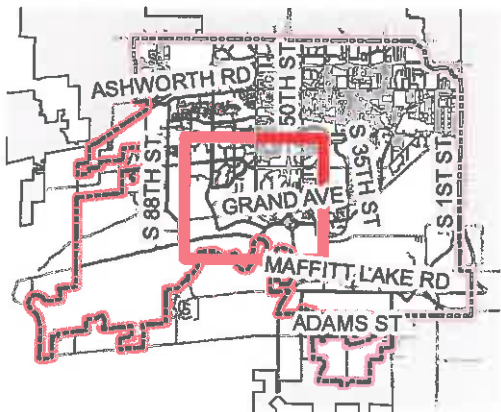


Bradley D. Hopkey, P.E.
Lead Civil Engineer

cc: File



VICINITY MAP



LEGEND

PROJECT LOCATION



**CITY OF WEST DES MOINES
ENGINEERING SERVICES**
4200 MILLS CIVIC PARKWAY
WEST DES MOINES, IOWA 50265
PH: (515) 222-3620 FAX: (515) 273-0602

PROJECT: **SOUTH 60TH STREET IMPROVEMENTS**
GRAND AVENUE TO MILLS CIVIC PARKWAY

Project No. 0510-021-2014

LOCATION:

EXHIBIT "A"

DRAWN BY: BJM

DATE: 8/24/2015

SHT. 1 OF 1