



1459 Washington St.
Muscatine, IA 52761-5040
(563) 263-8933
Fax (563) 263-2127

Public Works

City Transit
263-8152

MEMORANDUM

**Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering**

To: Gregg Mandsager, City Administrator
CC: Fran Donelson, Secretary
FROM: Randy Hill, Public Works Director
DATE: August 17, 2010
RE: Council Action: Approval of CO's #1, #4 & #5 for Hershey Sewer Project #2

INTRODUCTION:

The Hershey Ave. Sewer Separation Project – Contract #2 has three (3) unapproved Change Orders (#1, #4 & #5) requiring Council notification and approval.

BACKGROUND:

On October 1, 2009 The City of Muscatine entered into a Cooperative Agreement with the Iowa Department of Transportation “. . . to remove and replace significant portions of the pavement on the extension of Primary Road No. Iowa 92 (Hershey Avenue/Mississippi River Drive) within the CITY from Green Street to Broadway Street;”. The estimated cost for this is \$973,009 (\$738,579 – City and \$234,930 – IDOT). Change Order #1 (\$90,765) reflects the first installment of the \$973,009. Project Manager Denny Kistenmacher’s memo explains the purpose of the sub-drains installed.

Change Order #4 is necessary because of the rock excavation required on the east slope of Broadway.

Change Order #5 is for the sub-drain system installed under Broadway similar to what was place under Mississippi Dr.

RECOMMENDATION/RATIONALE:

We recommend approval of Change Orders #1, #4 & #5. Change Orders #2 & #3 were approved at the June 17 City Council meeting. If you have any questions, please contact me.

BACKUP INFORMATION:

1. Copies of Change Orders #1, #4 & #5
2. Memorandum from Project Manager Dennis Kistenmacher
- 3.
- 4.

Donelson, Fran

From: Hill, Randy
Sent: Tuesday, August 17, 2010 11:10 AM
To: Mandsager, Gregg; Donelson, Fran
Subject: Council Agenda Items: Hershey 2 Change Orders Approval
Attachments: Hershey 2 COs approval.doc; [Untitled].pdf

Here is explanation of Change Orders you requested.

Change Order 1: this is the Change Order that was expected from the beginning of work on the Project. It is necessary due to changes required by IDOT, Stanley, and City staff. It is for the underdrain system on Mississippi Drive. This system will pick up water from the subgrade, thus draining the springs on the bluff, and any other water migrating under the surface. It should help control the icing problems showing up at various locations in the winter season. It is just now coming up because there was a waiting period (2 months) for the redesign of the lane configurations, and the underdrain design which was tied to that redesign.

Change Orders No. 2 and 4: These are both for rock excavation. It is strictly coincidence that they are both for the same amount. The work is based on time and material. The reason for the Change Order requirement is that the design did not include rock excavation, which is much more difficult than normal digging, and more time consuming, thus slowing progress. Langman was told unequivocally, at the Pre-Construction Conference, that there would be no rock encountered. That was the belief at the time. However, there was a significant amount of rock on the east slope of Broadway.

3. Change Order 3: This is for the wall built at the end of Ash Street. The design did not allow for, or provide a design for, the wall built at the bottom of the Ash Street segment below 3rd Street. This was true even though the Contract allowed removal of the wall, if necessary (it was necessary). I was going to opt for a guard rail system to save cost, but Randy Howell wanted a wall as a "snow plow catcher." That would appear to be a necessity (something I hadn't thought of).

5. Change Order No. 5: this is for an underdrain system on Broadway (both sides). It is similar to the system on Mississippi Drive. The decision was made to use the excavated materials for backfill, and with all the rain, the material was wet. This saves select backfill costs. Also, there is spring water from the bluff present. It was therefore thought prudent to collect sub-surface water with underdrains (bothsides).

LANGMAN CONSTRUCTION, INC

CHANGE ORDER
No. 913-001

220 - 34TH AVENUE
ROCK ISLAND, IL 61201

Phone: 309-786-8944
Fax: 309-786-2107

TITLE: MISSISSIPPI BLVD CHANGES

DATE: 6/3/2010

PROJECT: HERSHEY AVENUE AREA SEWER CONTRACT 2

JOB: 933

TO: CITY OF MUSCATINE
215 SYCAMORE STREET
MUSCATINE, IOWA 52761

CONTRACT NO:

ATTN: DENNY KISTENMACHER

RE: To: From: Number:

DESCRIPTION OF CHANGE
STRIPING CHANGE ORDER WILL FOLLOW

Item	Description	Stock#	Quantity	Units	Unit Price	Tax Rate	Tax Amount	Net Amount
10	CHANGE FROM 8" GRADATION 11 TO GRADATION 14 ON THE IOWA DOT PORTION OF PROJECT (MATL COST INCREASE)		9900.000	SY	\$1.70	0.00%	\$0.00	\$16,830.00
20	4" LONGITUDINAL SUBDRAIN TYPE 6 INSTALL D=39"		4000.000	LF	\$14.70	0.00%	\$0.00	\$58,800.00
30	SUBDRAIN OUTLETS RF-19E		6.000	EA	\$99.00	0.00%	\$0.00	\$594.00
40	SUBDRAIN OUTLETS RF-19C		24.000	EA	\$66.00	0.00%	\$0.00	\$1,584.00
50	EXTRA BACKFILLING ALONG RAILROAD SIDE		13.000	STA	\$377.00	0.00%	\$0.00	\$4,901.00

Unit Cost: \$90,765.00
Unit Tax: \$0.00
Lump Sum: \$0.00
Lump Tax: \$0.00
Total: \$90,765.00

The Original Contract Sum was \$0.00
 Net Change by Previously Authorized Requests and Changes \$0.00
 The Contract Sum Prior to This Change Order was \$0.00
 The Contract Sum Will be Increased \$90,765.00
 The New Contract Sum Including This Change Order \$90,765.00
 The Contract Time Will Not Be Changed
 The Date of Substantial Completion as of this Change Order Therefore is ...

ACCEPTED:

CITY OF MUSCATINE

LANGMAN CONSTRUCTION, INC

By: Denny Kistenmacher
DENNY KISTENMACHER

By: Brian Gaul
BRIAN GAUL

By: _____

Date: 8/5/10

Date: 7-14-10

Date: _____

07/14/2010
MUSCATIEXT
*** BRIAN GAUL

14:25
muscatine extra work

BID TOTALS

<u>Biditem</u>	<u>Description</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
10	MATERIAL PRICE INCREASE FROM GRAD 11 T	9,900.000	SY	1.70	16,830.00
20	4" LONGITUDINAL SUBDRAIN TYPE 6 D = 39"	4,000.000	LF	14.70	58,800.00
30	SUBDRAIN OUTLETS RF - 19E	6.000	EA	99.00	594.00
40	SUBDRAIN OUTLETS RF 19C	24.000	EA	66.00	1,584.00
50	EXTRA BACKFILLING ALONG RAILROAD SIDE	13.000	STA	377.00	4,901.00
60	TRAFFIC SIGNS	10.000	EA	315.60	3,156.00
70	SW 510 INLET INSTALLED	1.000	EA	4,900.00	4,900.00

Bid Total \Longrightarrow \$90,765.00

LANGMAN CONSTRUCTION, INC

CHANGE ORDER

No. 913-004

220 - 34TH AVENUE
ROCK ISLAND, IL 61201

Phone: 309-786-8944
Fax: 309-786-2107

TITLE: BROADWAY ROCK EXCAVATION **DATE:** 7/16/2010

PROJECT: HERSHEY AVENUE AREA SEWER CONTRACT 2 **JOB:** 933

TO: CITY OF MUSCATINE **CONTRACT NO:**
215 SYCAMORE STREET
MUSCATINE, IOWA 52761

ATTN: DENNY KISTENMACHER

RE: To: From: Number:

DESCRIPTION OF CHANGE

Item	Description	Stock#	Quantity	Units	Unit Price	Tax Rate	Tax Amount	Net Amount
00001	ROCK EXCAVATION ON BROADWAY		1.000	LS	\$3,955.15	0.00%	\$0.00	\$3,955.15

Unit Cost:	\$3,955.15
Unit Tax:	\$0.00
Lump Sum:	\$0.00
Lump Tax:	\$0.00
Total:	\$3,955.15

The Original Contract Sum was	\$0.00
Net Change by Previously Authorized Requests and Changes	\$0.00
The Contract Sum Prior to This Change Order was	\$0.00
The Contract Sum Will be Increased	\$3,955.15
The New Contract Sum Including This Change Order	\$3,955.15
The Contract Time Will Not Be Changed	
The Date of Substantial Completion as of this Change Order Therefore is	...

ACCEPTED:

CITY OF MUSCATINE **LANGMAN CONSTRUCTION, INC**

By: Denny Kistenmacher By: Brian Gaul By: _____
DENNY KISTENMACHER BRIAN GAUL

Date: 8/13/10 Date: 7-16-10 Date: _____

LANGMAN CONSTRUCTION, INC.
220 34TH AVE.
ROCK ISLAND, IL 61201
PHONE: 309-786-8944 FAX: 309-786-2107

INVOICE

To: Denny Kistenmagher, P.E.

CC:

From: Tara Blondell

Date: 7/15/2010

Re: Hershey Ave. Sewer Extension

Description	U/M	Quantity	Unit Price	Ext. Price
T&M Bills thru 7/1/10	L.S.	1.00	20,082.58	20,082.58

Iowa Department of Transportation
STATEMENT OF FORCE ACCOUNT

Date 07/15/10 Sheet 1 of 1
 Project No. Hershey Ave. San. Sewer County Muscatine Accounting I.D. _____
 Contractor Langman Construction, Inc.
 Address 220 34th Ave Rock Island, IL 61201
 Description of Work Rock Excavation thru 7/4/10
 Change Order No. 2

Items or Name and Title	(A) Quantity or Total Hours	(B) Rate Per Hour Fringe or Estimated Operating Cost/Hr.	(C) Base Salary Per Hour or Unit Rate	(D)		(E) Other
				(AxB)	(AxC)	
Operator	18.5	21.40	26.60	395.90	492.10	
Case 240 Excavator	18.5	26.00	114.00	481.00	2109.00	

Daily Work Approval
 For Contractor Langman Construction, Inc.
 For State or County Scott County, IA

RECAP					
<	1	Fringe Benefits	395.90		395.90
<	2	Base Labor		492.10	492.10
<	3	Equipment	$\frac{481.00 + 2109.00}{(AxB) \quad (AxC)} =$		2590.00
<	4	Materials			
5		Work Comp., Soc. Sec. Taxes, Ins., etc.	$[20.43 \% \times 492.10] \times 1.10 =$		110.59
6		Overhead	$35\% \times \frac{888.00}{(Fringe Benefits + Base Labor)} =$		310.80
7		Materials	$15\% \times$		
SUBTOTAL					3899.39
8		Public Liability, Bond, Association Dues	$[1.3 \% \times \frac{3899.39}{Subtotal}] \times 1.10 =$		55.76
9		SHEET TOTAL	<		3955.15
10		GRAND TOTAL	<		3955.15

Summary Certification
 I hereby certify that the items and amounts listed herein have been checked and approved.

Project Engineer _____ Date _____

LANGMAN CONSTRUCTION, INC

CHANGE ORDER
No. 913-005

220 - 34TH AVENUE
ROCK ISLAND, IL 61201

Phone: 309-786-8944
Fax: 309-786-2107

TITLE: STAB FABRIC AND TILE ON BROADWAY

DATE: 8/9/2010

PROJECT: HERSHEY AVENUE AREA SEWER CONTRACT 2

JOB: 933

TO: CITY OF MUSCATINE
215 SYCAMORE STREET
MUSCATINE, IOWA 52761

CONTRACT NO:

ATTN: DENNY KISTENMACHER

RE: To: From: Number:

DESCRIPTION OF CHANGE

Item	Description	Stock#	Quantity	Units	Unit Price	Tax Rate	Tax Amount	Net Amount
00001	4" DRAIN TILE		380.000	LF	\$14.70	0.00%	\$0.00	\$5,586.00
00002	STABILIZATION FABRIC (2.15 COST, .50 LABOR)		758.000	SY	\$2.65	0.00%	\$0.00	\$2,008.70

Unit Cost: \$7,594.70
 Unit Tax: \$0.00
 Lump Sum: \$0.00
 Lump Tax: \$0.00
 Total: \$7,594.70

The Original Contract Sum was	\$0.00
Net Change by Previously Authorized Requests and Changes	\$0.00
The Contract Sum Prior to This Change Order was	\$0.00
The Contract Sum Will be Increased	\$7,594.70
The New Contract Sum Including This Change Order	\$7,594.70
The Contract Time Will Not Be Changed	
The Date of Substantial Completion as of this Change Order Therefore is	...

ACCEPTED:

CITY OF MUSCATINE LANGMAN CONSTRUCTION, INC

By: Denny Kistenmacher By: Brian Gaul By: _____

DENNY KISTENMACHER BRIAN GAUL

Date: Aug 9, 2010 Date: August 9th, 2010 Date: _____

MIDWEST CONSTRUCTION PRODUCTS CORPORATION

INDIANAPOLIS, IN SPRINGFIELD, IL LOUISVILLE, KY
 317-666-8647 800-643-6175 800-382-5922
 DEER GROVE, IL BIRMINGHAM, AL NASHVILLE, TN
 800-532-2380 800-632-8418 800-598-1682
 MARCO ISLAND, FL FT MYERS, FL
 800-975-8384 800-532-2381

PLEASE REMIT TO:
 PO BOX 727
 MARCO ISLAND, FL 34146

INVOICE

PAGE 1
 INVOICE DATE 11/12/08
 INVOICE NO. 00111409

SOLD TO
 LANGCO
 LANGMAN CONSTRUCTION
 220-34TH AVENUE
 ROCK ISLAND IL 61201

SHIP TO
 SAME
 I
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TOTAL DUE 7188.00

SLS1	SLS2	DUE DATE	DISC DUE DATE	ORDER NO.	ORDER DATE	SHIP DATE	SHIP NO.
11		12/12/08	12/12/08	DS11-9		11/12/08	
TERMS DESCRIPTION		CUSTOMER PO. NUMBER			SHIP VIA		
NET 30					DIRECT		
ITEM ID	TX CL	UNIT OF MEASURE	ORDERED	SHIPPED	UNIT PRICE	EXTENSION	
SYSTEM SF-11, 12' X150'	05	SY	3200.0000	3200.0000	2.1500	6880.00	
EAST MOLINE BICENTENNIAL HIGH SCH.	05		1.0000	1.0000	.0000	.00	
Subtotal :						6880.00	
TAXABLE	NONTAXABLE	FREIGHT	SALES TAX	MISC. CHARGE	TOTAL		
.00	6880.00	308.00	.00	.00	7188.00		

PAID 11/22/08
 V. 2094
 JOB 814
 PRICE 100