



**CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS**

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Steven Goodkind, P.E.
DIRECTOR OF PUBLIC WORKS
CITY ENGINEER

MEMORANDUM

To: City of Burlington Board of Finance

From: Steven Goodkind, P.E. Director of Public Works

A handwritten signature in black ink, appearing to be "SG", is written over the name "Steven Goodkind" in the "From:" line.

Date: April 23, 2013

Re: STP 5000 (16) – Church Street Earmark

Federal earmark 5000(16), with its original agreement in 2006 and four subsequent amendments, has provided the city with \$6,078,486 which has been used along with a local match of \$1,350,000 to construct various improvements in our downtown, including the nearly completed lighting project on Church Street.

All the projects funded under 5000(16) have been essentially completed and those funds have not yet been fully expended. We would like to increase the current contract with Wright & Morrissey by \$18,074.80 to include the rehabilitation/repair of ten stormwater catch basins along Church Street. An inspection and evaluation of the catch basins on Church Street last summer indicated eight catch basins needed rehabilitation, one catch basin needs to be replaced entirely, and one catch basin needs an odor control trap. Funding is available to complete this work. Wright & Morrissey is currently on site removing the Church Street water fountain, and is available to complete this work.

We are requesting that the city authorize me to sign a contract amendment with Wright & Morrissey for \$18,074.80 to proceed with this work.



Stantec Consulting Services Inc.

Change Order Details

STP 5000(16) C/7

Description: Church Street Marketplace Electrical & Street Lighting Improvements
Change Order: 22 **Date Created:** 04/23/2013
Status: Pending Approval **Date Approved:**
Type: Additional Work
Summary: This Change Order provides for the rehabilitation of eight existing catch basins, the replacement of one catch basin entirely, and the installation of an odor control trap on one existing catch basin.
Change Order Description: Reference: PCO #31 Replace Catch Basin at City Sports

The Contractor's Cost for the catch basin repair is $\$3,665 + \$280 = \$3,945$

Engineer's Justification: (Derived from existing bid Item value)**

Remove and store brick pavers:	10' * 10' @ \$5/SF** =	\$500
Remove surfaces:	10' * 10' * 0.42' / 27 CF/CY @ \$73/CY** =	\$113.55
Excavation and Structure Removal: (Assumes 2.5 hours)		
	Excavator @ \$120/Hr =	\$300
	Truck @ \$60/Hr =	\$150
	2 Laborers @ \$35/Hr Ea. =	\$175
Installation / Backfill:		
	New structure, custom shape =	\$1,700
	Excavator @ \$120/Hr for 1.5 Hrs =	\$180
	2 Laborers @ \$35/Hr Ea. for 1.5 Hrs =	\$105
	3.1 TON @ \$197/TON** =	\$610.70
Install pavement:	10' * 10' @ \$8/SF** =	\$800
Reset brick pavers:		
	Estimate Total for PCO #31 =	\$4,634.25

Based on this information, the Resident Project Representative considers the addition of the work described in PCO #31 to be justified.

Reference: PCO #32 Repair Catch Basin @ Ake's Place

The Contractor's Cost for the catch basin repair is $\$1,665 + \$210 = \$1,875$

Engineer's Justification: (Derived from existing bid Item value)**

Remove and store brick pavers:	5' * 8' @ \$5/SF** =	\$200
Remove surfaces:	5' * 8' * 0.42' / 27 CF/CY @ \$73/CY** =	\$45
Excavation:	[(5' * 8') - (1.6' * 2.5')] * 2' / 27 CF/CY @ \$160/CY =	\$432
Form and pour riser, includes pinned anchor to adjacent curb:		
	2 Laborers @ \$35/Hr Ea. for 4 Hrs =	\$280
	Concrete, including form materials and anchors ~ 0.25 CY =	\$250
Install pavement:	1.24 TON @ \$197/TON** =	\$244
Reset brick pavers:	5' * 8' @ \$8/SF** =	\$320
	Estimate Total for PCO #32 =	\$1,771

Based on this information, the Resident Project Representative considers the addition of the work described in PCO #32 to be justified.

Reference: PCO #33 Unit Price for Catch Basin Rehabilitation

The Contractor's Cost for the catch basin repair is \$1,090+ \$110 = \$1,200

Engineer's Justification:

The 5-year average price for VTrans Pay Item 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I is \$1,295.38, based on the VTrans Estimating web page. The Resident Project Representative feels that this is a comparable Item and that the work described in PCO #33 is justified.

Reference: PCO #34 Install Trap and Parging at Ake's Catch Basin

The Contractor's Cost for the catch basin repair is \$800+ \$110 = \$910

Engineer's Justification:

Materials: Flexible, 15" AC to PVC coupling = \$150
15", 90 elbow = \$325
Materials for repair/parging of brick surfaces within the Catch Basin = \$30

Labor: 2 Laborers @ \$35/Hr Ea. for 4 Hrs = \$280
Estimate Total for PCO #34 = \$785

Based on this information, the Resident Project Representative considers the addition of the work described in PCO #34 to be justified.

Awarded Project Amount: \$1,717,887.00
Authorized Project Amount: \$2,283,711.11
Change Order Amount: \$18,074.80
Revised Project Amount: \$2,301,785.91

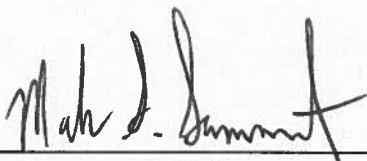
New Items

Item	Unit	Pending Quantity	Unit Price	Dollar Amount
Section: 1 - Line Items				
CO 22 C.I.P. Riser	EA	1.00	\$2,239.940	\$2,239.94
Install a Cast In Place, Three Sided Riser, Attached to the Adjacent Curb				
Funding Details				
	LTF 80%-20%	1.00	\$2,239.940	+\$2,239.94
CO 22 Install Trap	EA	1.00	\$1,087.120	\$1,087.12
Repoint and Parge Catch Basin, As Needed and Install Odor Trap to Existing 15" Outlet Pipe				
Funding Details				
	LTF 80%-20%	1.00	\$1,087.120	+\$1,087.12

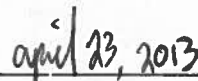
Item	Unit	Pending Quantity	Unit Price	Dollar Amount
CO 22 Rehab C.B.	EA	7.00	\$1,433.560	\$10,034.92
Removal and Replacement of Existing Catchbasin Grade Risers				
Funding Details				
	LTF 80%-20%	7.00	\$1,433.560	+\$10,034.92
CO 22 Replace C.B.	EA	1.00	\$4,712.820	\$4,712.82
Remove and Replace Existing Catch Basin with a New Precast Catch Basin				
Funding Details				
	LTF 80%-20%	1.00	\$4,712.820	+\$4,712.82
(4 Items)			Total:	+\$18,074.80

Funding Summary

Fund Package	Original Amount	Authorized Amount	Pending Amount	Revised Amount
LTF 80%-20%	\$1,717,887.00	\$2,283,711.11	+\$18,074.80	\$2,301,785.91
Non- Participating	\$0.00	\$0.00	\$0.00	\$0.00
(2 Fund Packages)	\$1,717,887.00	\$2,283,711.11	+\$18,074.80	\$2,301,785.91



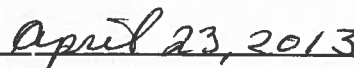
Contractor -Wright & Morrissey, Inc.:



Date



Construction Inspector - Stantec:



Date

Municipality - City of Burlington:

Date

VTrans Project Manager:

Date

Catch Basins on Church Street

Storefront	East	West
Eddie Bower	ok	Some structure deterioration, reparge
City Sports	ok	Replace Structure
Starbucks	Structure is sound, repoint top lift of bricks	Structure is sound, floor is duct bank
Monelle	CB needs 14" riser and one lift of bricks Inside dim: 24" x 36"	Structure directly adjacent to MH. Parge MH brick. Adjust CB rim elevation and slide frame/ grate 3" - 4" to the East
Garceia's	Install 6" riser	Install 4" riser, slide frame 10" to the East
Leunig's	Install 2-4" risers/	Unknown, vender over structure at time of survey. Assume reparge.
Ake's Place	Cast in place, 3-sided, 14" riser, pinned to curb.	Storm MH adjacent, trap is needed in MH (15" AC)
At Main Street	ok	ok



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WRIGHT & MORRISSEY, INC.
GENERAL CONTRACTORS

Potential Change Orders

Detailed, Grouped by Each Number

Church Street Marketplace-Electrical/Street Light Improvements

Project # 12-100

Tel: Fax:

Wright & Morrissey, Inc.

PCO #: 031 2/7/2013 Replace Catch Basin at City Sports

Category Reason Reference POCO Number Pending

Change Order Owner Request

Notes Task Name Revenue Code

Scope of work:

Demo brick and asphalt
Excavate and remove existin catch basin
Furnish and install new custom catch basin structure
Stone bedding and compacted backfill
Asphalt paving and reset brick pavers

Summary:

Requested Days:	Approved Days:	Budget:	Proposed	Approved	Applied
0.00	0.00	\$ 4,712.82	\$ 4,712.82	\$ 4,712.82	\$ 4,712.82

Itemized Details:

General Description	Quote Due	Quote Rec'd	Allocation	Proposed	Approved	Applied
001 - -	2/14/2013		Budget:	\$ 3,665.00	\$ 3,665.00	\$ 3,665.00
Remove and replace catch basin structure adjacent to City Sports						
002 - -	2/14/2013		Budget:	\$ 280.00	\$ 280.00	\$ 280.00
Project Management & Project Engineer coordination						
Level 1 - -			Budget:	\$ 315.60	\$ 315.60	\$ 315.60
8.00% Overhead Markup						
Level 2 - -			Budget:	\$ 298.24	\$ 298.24	\$ 298.24
7.00% Profit Markup						
Level 3 - -			Budget:	\$ 68.38	\$ 68.38	\$ 68.38
1.50% Insurance Markup						

Prolog Manager

Printed on: 2/7/2013

Wright & Morrissey



Potential Change Orders
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Level 4 - -	Budget:	\$	85.60 \$	85.60 \$	85.60
1.85% Bond Markup					



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GENERAL CONTRACTORS

Potential Change Orders

Detailed, Grouped by Each Number

Church Street Marketplace-Electrical/Street Light Improvements

Project # 12-100

Tel: Fax:

Wright & Morrissey, Inc.

PCO #: 032 2/7/2013 Repair Catch Basin @ Ake's Place

Category Reason Reference COR Number POCO Number Pending

Change Order Owner Request

Notes Task Name Revenue Code

Scope of work:

Demo brick and asphalt paving
Excavation and demolition of existing riser
Form and place custom concrete riser
Asphalt paving & Reinstall brick pavers

Summary:

Requested Days:	Approved Days:	Budget:	Proposed	Approved	Applied
0.00	0.00	\$	2,239.94 \$	2,239.94 \$	2,239.94

Itemized Details:

General Description	Quote Due	Quote Rec'd	Allocation	Proposed	Approved	Applied
001 - -	2/14/2013		Budget:			
Repair existing catch basin riser at Ake's Place				\$	1,665.00 \$	1,665.00
002 - -	2/14/2013		Budget:			
Project Management				\$	210.00 \$	210.00
Level 1 - -			Budget:			
8.00% Overhead Markup				\$	150.00 \$	150.00
Level 2 - -			Budget:			
7.00% Profit Markup				\$	141.75 \$	141.75
Level 3 - -			Budget:			
1.50% Insurance Markup				\$	32.50 \$	32.50

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Potential Change Orders
 Detailed, Grouped by Each Number

Level 4 - -		Budget:			
1.85% Bond Markup		\$		40.69 \$	40.69



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Potential Change Orders

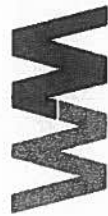
Detailed, Grouped by Each Number

Church Street Marketplace-Electrical/Street Light Improvements		Project # 12-100		Wright & Morrissey, Inc.	
		Tel:	Fax:		
PCO #: 033	2/7/2013	Unit price for Catch Basin Rehabilitation			
Category	Reason	Reference	COR Number	PCCO Number	Pending
Change Order	Owner Request				
Notes	Task Name Revenue Code				
This is a unit price (per each) for the rehabilitation of catch basing on the marketplace					
Demo Bricks and Asphalt Excavation and demolition of deteriorated CB risers Furnish, install and parge new concrete risers Asphalt paving and reset brick pavers					
Price per each catch basin \$1,433.56 x 7 = \$10,034.92 total for 7 rehabilitations					
Summary:					
Requested Days:	Approved Days:	Budget:	Proposed	Approved	Applied
0.00	0.00	\$	1,433.56 \$	1,433.56 \$	1,433.56
Itemized Details:					
General Description	Quote Due	Quote Rec'd	Allocation	Proposed	Approved
001 - -	2/14/2013		Budget:	1,090.00 \$	1,090.00 \$
Unit price to rehabilitate one catch basin					
002 - -	2/14/2013		Budget:	110.00 \$	110.00 \$
Project management and coordination- each					
Level 1 - -			Budget:	96.00 \$	96.00 \$
8.00% Overhead Markup					
Level 2 - -			Budget:	90.72 \$	90.72 \$
7.00% Profit Markup					
Level 3 - -			Budget:	20.80 \$	20.80 \$
Prolog Manager					
Printed on: 2/7/2013 Wright & Morrissey					



Potential Change Orders
Detailed, Grouped by Each Number

1.50% Insurance Markup				
Level 4 - -	Budget:	\$	26.04 \$	26.04
1.85% Bond Markup				



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WRIGHT & MORRISSEY, INC.
GENERAL CONTRACTORS

Potential Change Orders

Detailed, Grouped by Each Number

Church Street Marketplace-Electrical/Street Light Improvements Project # 12-100 Wright & Morrissey, Inc.
Tel: Fax:

PCO #: 034	2/7/2013	Install trap and parging at Ake's Catch Basin			Pending
Category	Reason	Reference	COR Number	PCCO Number	
Change Order	Owner Request				
Notes	Task Name	Revenue Code			

Summary:

Requested Days:	Approved Days:	Budget: \$	Proposed	Approved	Applied
0.00	0.00		1,087.12 \$	1,087.12 \$	1,087.12

Itemized Details:

General Description	Quote Due	Quote Rec'd	Allocation	Proposed	Approved	Applied
001 - -			Budget:	\$	800.00 \$	800.00
Install trap and parging at Catch basin Adjacent to Ake's Place						
002 - -			Budget:	\$	110.00 \$	110.00
Project management						
Level 1 - -			Budget:	\$	72.80 \$	72.80
8.00% Overhead Markup						
Level 2 - -			Budget:	\$	68.80 \$	68.80
7.00% Profit Markup						
Level 3 - -			Budget:	\$	15.77 \$	15.77
1.50% Insurance Markup						
Level 4 - -			Budget:	\$	19.75 \$	19.75
1.85% Bond Markup						

Prolog Manager

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Wright & Morrissey

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