

**VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL MEETING
FEBRUARY 8, 2011 AGENDA**

SUBJECT:	TYPE:	SUBMITTED BY:
Change Order #2: Prentiss Creek Subwatershed B Storm Sewer, Fairmount Storm Sewer Repairs and Sunridge Subdivision Watermain Replacement (CIP Projects SW-034, DR-015 & WA-016)	✓ Resolution Ordinance Motion Discussion Only	Nan Newlon, P.E. Director of Public Works

SYNOPSIS

A motion is requested to authorize approval of Change Order #2 to an existing contract with Brothers Asphalt Paving, Inc. of Addison, IL for the Prentiss Creek Subwatershed B Storm Sewer and Sunridge Subdivision Watermain Replacement Projects (CIP Projects SW-034, DR-015 & WA-016) in the amount of \$154,589.88 (4.78% of the original contract).

STRATEGIC PLAN ALIGNMENT

The Strategic Plan Goals for 2011-2018 identified *Top Quality Infrastructure*.

FISCAL IMPACT

The change order amount of \$154,589.88 would be paid from the Stormwater Fund (243) and the Water Fund (481). This payment was accounted for in the FY10 year-end budget closeout.

It should be noted that Brothers Asphalt Paving performed the 2009 Roadway Resurfacing project (ST-004) for the Village in 2009. Staff is in the process of finalizing this contract and anticipates that ST-004 will have a negative final balancing change order of (\$283,117.05). The cost reduction of this contract will be credited to the fund balance of the Capital Fund (220).

RECOMMENDATION

Approval on the February 15, 2011 consent agenda.

BACKGROUND

On June 24, 2008 the Village Council awarded a contract to Brothers Asphalt in the amount of \$3,269,970.60 for the Prentiss Creek Subwatershed B Storm Sewer, Fairmount Storm Sewer Repairs and Sunridge Subdivision Watermain Replacement Projects (CIP Projects SW-034, DR-015 & WA-016) respectively, referred to as "Prentiss Creek".

This is the second change order for the Prentiss Creek project. The first change order was approved by Village Council on October 28, 2008 for an amount of \$53,111.34. The proposed change order would increase the existing contract amount from \$3,323,081.94 to \$3,477,671.82, and includes cost changes for the following unanticipated items:

Balancing Contract Amounts (Deduct \$5,683.09)

- Increases and decreases to quantities for a variety of contract quantities including: select granular backfill, exploratory trench, supplemental watering, sod, PCC sidewalk, pipe culvert, storm sewer, water main, water main accessories, water services, gate valves, catch basins, manholes, inlets, PCC driveway, Class D patches, temporary surface over trench, sanitary service reconnection, sanitary manhole, sanitary sewer, level binder, hot mix asphalt surface removal, bituminous prime coat, area reflective crack control, combination concrete curb & gutter, and hot mix asphalt driveway.

Assessed Liquidated Damages (Deduct \$20,045.00)

- Liquidated damages were assessed to the contractor for finishing the project 19 calendar days after the contract completion date resulting in a deduction of \$20,045 to the contract.

Unforeseen Field Conditions and Winter Conditions (Addition \$180,317.97)

- Additional costs to reconstruct thirteen (13) existing sanitary service lines that conflicted with placement of the proposed mainline storm sewer on Oxford and Fairmount. During the design of the project there were meetings with the Village's engineer, ERA, and the Sanitary District to discuss the possibility of conflicting with these services. Based on the information available at the time it appeared that the new storm pipe would be located above the majority of sanitary services. Once the trenches were dug for the new storm sewer it was discovered that the services were higher than expected.
- Additional cost for work involving connection to a 48" diameter storm sewer in an existing 16' deep chamber that was not shown on the plans. It took the contractor additional time and required special saw cutting equipment to cut into the chamber to make a connection to the new storm sewer. This discrepancy between the plans and field conditions was caused by unanticipated subsurface conditions that were not shown on facilities mapping.
- Additional cost for constructing a temporary asphalt patch on Fairmount between 63rd Street and Oxford Street for the storm sewer trench prior to winter suspension of the project in 2008. The temporary patch was made to provide a maintainable street surface during the winter months. The contractor had scheduled to complete the underground work in this area and pave this area before winter; however, the additional work described above delayed its completion.

This project will be closed out upon the approval of this change order.

ATTACHMENTS

Change Order #2 – Prentiss Creek Project (two sheets)

Capital Project Sheets (SW-034, DR-015 & WA-016, 2008)



Village of Downers Grove Change Order

Project Name: Prentiss Creek Subwatershed B Storm Sewer and Sunridge Subdivision Watermain Replacement **Date:** 12/22/2010
Project No: SW034-08, WA016-08, DR015-08 **No:** 2
Contractor: Brothers Asphalt Paving, Inc.

You are directed to make the following changes to this contract:

Change reflects as-built quantities, force account work and assessment of liquidated damages. Liquidated damages assessed from 6/6/09 until 6/25/09 or 19 days @ \$1,055.00/day = \$20,045.00

The original contract sum was:.....	(1)	\$ 3,269,970.60
Net amount of previous change orders:.....	(2)	\$ 53,111.34
Current contract amount (1) + (2):.....	(3)	\$ 3,323,081.94
This Proposed Change Order:.....	(4)	\$154,589.88
Proposed Revised Contract Amount (3) + (4):.....	(5)	\$ 3,477,671.82

Net of Change Orders Pending Approval (4):	\$154,589.88
Budget Estimate:.....	\$ 3,366,483.00
Original Completion Date:.....	3/18/2009
Time Extension or Reduction:.....	80
Total Contract Time (Pending Approval):.....	6/6/2009

RECOMMENDED FOR ACCEPTANCE:

APPROVED:

Project Engineer Date

☐ Village Manager Date

☐ Director of Public Works

Contractor Date

It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance, and guarantees are hereby extended to incorporate this Change Order.

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **WA-016**

Project Description: **Watermain Replacement, Sunridge Subdivision**

Project Lead: **David Bird**

Dept.: **Public Works - Water**

Fund: **481**

Program: **393**

Project Type: ☐ New Project/Expansion ☒ Changed
☒ Replacement ☐ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X			X			2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	50,000						50,000
Land Acquisition							-
Infrastructure Improvements	1,750,000						1,750,000
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	1,800,000	-	-	-	-	-	1,800,000
Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
481-Water Fund ▼	1,800,000						1,800,000
▼							-
▼							-
▼							-
TOTAL FUNDING SOURCES	1,800,000	-	-	-	-	-	1,800,000

1. Briefly Describe and provide justification for this Capital Project Request.

This project includes the replacement of the existing 6" watermain with an 8" watermain which is required due to the age of the pipe. This will increase water flow to hydrants in the area. Work will occur on Briargate, Fairmount, Blackstone, 65th, and 67th.

2. Describe the project status and completed work.

No work has started. Construction estimate has been increased.

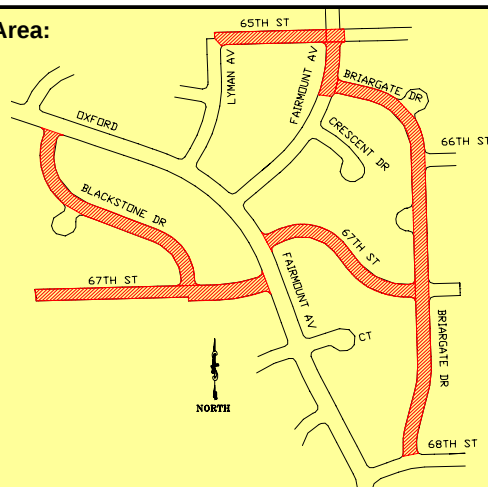
3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-
Reduced main break repairs and curb and street restorations.							

Map and/or pictures of Project/Project Area:



2008-2012 CAPITAL PROJECT SHEET

Proj. #: **SW-034**

Project Description: **Watershed Improvements - Prentiss , Sub B (Fairmount)**

Project Lead: **Michael D. Millette**

Dept.: **Public Works**

Fund: **243**

Program: **343**

Project Type:

- ☒ New Project/Expansion ☐ Changed
☒ Replacement ☒ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:	X						X	1

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	100,000	100,000			141,000		341,000
Land Acquisition		25,000					25,000
Infrastructure Improvements	1,400,000	1,125,000		1,000,000	3,650,000		7,175,000
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	1,500,000	1,250,000	-	1,000,000	3,791,000	-	7,541,000
Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	
243-Stormwater Improvement Fund ▼	1,500,000	1,250,000		1,000,000	3,791,000		7,541,000
▼							-
▼							-
▼							-
TOTAL FUNDING SOURCES	1,500,000	1,250,000	-	1,000,000	3,791,000	-	7,541,000

1. Briefly Describe and provide justification for this Capital Project Request.

Improvements included in the Watershed Infrastructure Improvement Plan. This project involves constructing a new detention basin, re-grading depressional storage areas, new and replacement storm sewers and catch basins.

2. Describe the project status and completed work.

New project in FY2008.

3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-

Map and/or pictures of Project/Project Area:

2008-2012 CAPITAL PROJECT SHEET

Proj. #: **DR-015**

Project Description: **Storm Sewer Repairs - Fairmount from 62nd Ct. to 65th**

Project Lead: **Jonathan C. Hall**

Dept.: **Public Works**

Fund: **243**

Program: **343**

Project Type: ☐ New Project/Expansion ☒ Changed
☐ Replacement ☒ Maintenance

Priority Setting Factors:	H/S/W	Maint.	Expan.	New	Low	Medium	High	OVERALL
Rating:		X			X			2

BREAKDOWN OF PROJECT COST AND FUNDING SOURCES

Cost Summary	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Professional Services	15,000						15,000
Land Acquisition							-
Infrastructure Improvements	300,000						300,000
Building Improvements							-
Machinery and Equipment							-
Other/Miscellaneous							-
TOTAL COST	315,000	-	-	-	-	-	315,000
Funding Source(s)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
243-Stormwater Improvement Fund ▼	315,000						315,000
▼							-
▼							-
▼							-
TOTAL FUNDING SOURCES	315,000	-	-	-	-	-	315,000

1. Briefly Describe and provide justification for this Capital Project Request.

This project involves the replacement of a failing clay storm sewer. A slip-lining procedure will also be investigated which could prove more cost effective.

2. Describe the project status and completed work.

No work has started. Project has been moved forward. Construction estimate has been increased by \$50,000 to allow for extension of the original scope of work to 62nd Ct.

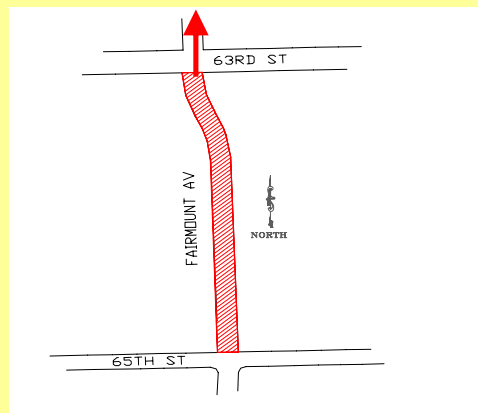
3. Describe any anticipated grants related to the project.

None

4. What impact will the project have on annual operating expenses? Please quantify and describe.

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Future Yrs	TOTAL
Projected Operating Expenses	-	-	-	-	-	-	-
Completion will help prevent costs of additional sinkhole repairs and prolong the effective pipe life.							

Map and/or pictures of Project/Project Area:



Village of Downers Grove

V. BID and CONTRACT FORM (Contractor)

***THIS BID WHEN ACCEPTED AND SIGNED BY AN AUTHORIZED SIGNATORY OF THE VILLAGE OF DOWNERS GROVE SHALL BECOME A CONTRACT BINDING UPON BOTH PARTIES.

Entire Form Must Be Completed If a Submitted Bid Is To Be Considered For Award

BIDDER:

Brothers Asphalt Paving, Inc.
Company Name

6-10-08
Date

315 S. Stewart Avenue
Street Address of Company

brosasphalt@sbcglobal.net
E-mail Address

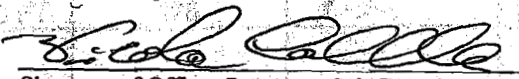
Addison, IL 60101
City, State, Zip

Nick Colella
Contact Name (Print)

(630) 458-1762
Business Phone

(630) 675-6701
24-Hour Telephone

(630) 458-1763
Business Fax


Signature of Officer, Partner or Sole Proprietor

ATTEST: if a Corporation

Nick Colella / President
Print Name & Title

Natalia Colilla
Signature of Corporation Secretary

We hereby agree to furnish the Village of Downers Grove all necessary materials, equipment, labor, etc. to complete the project within 180 calendar days from the date of the Notice to Proceed in accordance with the provisions, instructions and specifications for the unit prices shown on the Schedule of Prices.

VILLAGE OF DOWNERS GROVE:

ATTEST:

Authorized Signature

Village Clerk

Title

Date

Date

In compliance with the specifications, the above-signed offers and agrees, if this Bid is accepted within 90 calendar days from the date of opening, to furnish any or all of the services upon which prices are quoted, at the price set opposite each item, delivered at the designated point within the time specified above.

Village of Downers Grove

V. BID and CONTRACT FORM (Village)

***THIS BID WHEN ACCEPTED AND SIGNED BY AN AUTHORIZED SIGNATORY OF THE VILLAGE OF DOWNERS GROVE SHALL BECOME A CONTRACT BINDING UPON BOTH PARTIES.

Entire Form Must Be Completed If a Submitted Bid Is To Be Considered For Award

BIDDER:

Brothers Asphalt Paving, Inc
Company Name

6-10-08
Date

315 S. Stewart Avenue
Street Address of Company

brosasphalt@sbcglobal.net
E-mail Address

Addison, IL 60101
City, State, Zip

Nick Colella
Contact Name (Print)

(630) 458-1762
Business Phone

(630) 675-6701
24-Hour Telephone

(630) 458-1763
Business Fax

Nick Colella
Signature of Officer, Partner or Sole Proprietor

ATTEST: if a Corporation
Natalia Colilla
Signature of Corporation Secretary

Nick Colella / President
Print Name & Title

We hereby agree to furnish the Village of Downers Grove all necessary materials, equipment, labor, etc. to complete the project within 180 calendar days from the date of the Notice to Proceed in accordance with the provisions, instructions and specifications for the unit prices shown on the Schedule of Prices.

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ATTEST:

Authorized Signature

Village Clerk

Title

Date

Date

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