

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL MEETING
APRIL 5, 2011 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
Contract Amendment - Streambank Stabilization, St. Joseph Creek, North Branch - (DR-011)	✓ Resolution Ordinance Motion Discussion Only	Nan Newlon, P.E. Director of Public Works

SYNOPSIS

A resolution has been prepared to authorize an amendment to an existing contract with J.F. New & Associates, Inc. of Monee, Illinois in the amount of \$29,500.00 for additional design-build work for streambank stabilization of St. Joseph Creek North Branch.

STRATEGIC PLAN ALIGNMENT

The goals 2011 to 2018 include *Top Quality Infrastructure*.

FISCAL IMPACT

The adopted FY11 Stormwater Fund budget provides \$300,000 for infrastructure costs relating to this project (DR-011). On March 8, 2011 Council approved a contract in the amount of \$269,219.00 with J.F. New & Associates. The proposed amendment of \$29,500 would bring the total contract amount up to \$298,719.00.

RECOMMENDATION

Approval on the April 5, 2011 consent agenda.

BACKGROUND

On March 8, 2011, the Village Council approved a contract with J.F. New & Associates, Inc. for design-build services for the streambank stabilization to repair two identified areas on St. Joseph Creek North Branch that were determined to be in critical condition. These two areas include severely eroded areas near Prairie and Florence Avenues and between Austin and Rogers Streets. A third area of the stream between Fairview Avenue and Austin Street was also identified for improvement, but was not included in the original bid because staff's estimate of cost to repair the three areas was in excess of the budgeted amount. As a result of the pricing received for the original contract staff requested and received the attached scope of work and not-to-exceed cost to include the third area. Staff recommends approval of the proposed contract amendment.

ATTACHMENTS

Resolution
Amendment

RESOLUTION NO. ____

**A RESOLUTION AUTHORIZING EXECUTION OF A FIRST AMENDMENT TO A
CONTRACT FOR THE ST. JOSEPH CREEK
NORTH BRANCH STREAMBANK STABILIZATION PROJECT
BETWEEN THE VILLAGE OF DOWNERS GROVE
AND JFNEW & ASSOCIATES, INC.**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the form and substance of a certain First Amendment (the “Amendment”), between the Village of Downers Grove (the “Village”) and JFNew & Associates, Inc. (the “Proposer”), for the St. Joseph Creek North Branch Streambank Stabilization Project, as set forth in the form of the Amendment submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Amendment, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Amendment.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____
Village Clerk

**FIRST AMENDMENT TO A CONTRACT FOR THE ST. JOSEPH CREEK
NORTH BRANCH STREAMBANK STABILIZATION PROJECT
BETWEEN THE VILLAGE OF DOWNERS GROVE
AND JFNEW & ASSOCIATES, INC.**

The Village of Downers Grove, Illinois (the "Village") and JFNew, Inc. ("Proposer"), entered into a Contract for the St. Joseph Creek North Branch Streambank Stabilization Project DR-011 on or about March 15, 2011. Pursuant to the terms stated therein, the parties desire to amend the agreement as follows:

1. That the Scope of Services shall be amended to include Project Area 3, attached hereto and incorporated herein by reference as Exhibit A.
2. That the cost of Project Area 3 shall not exceed \$29,500, thereby amending the total cost of the Project from "\$269,219.00" to "\$298,719.00".
3. All other terms from the 2011 Agreement remain in full force and effect.

VILLAGE OF DOWNERS GROVE

JFNEW & ASSOCIATES

BY: _____

BY: _____

ATTEST: _____

ATTEST: _____

DATE: _____

DATE: _____

Village of Downers Grove

St. Joseph Creek – North Branch Streambank Stabilization Design-Build

Additional Site – Fairview Ave and Austin St (Project Area 3)

Proposed Design

JFNew proposes to stabilize an approximate 200 ft section of St. Joseph Creek – North Branch between Fairview Ave and Austin St by removing the existing timbers and utilizing a combination of bank stabilization techniques (Figure 1). The general approach for this section is to utilize the available space by re-grading the banks and creating a two-stage channel similar to the technique that will be applied to a portion of the downstream section. The second or storm stage of the channel will offer a wider, flat channel to reduce flow velocities and remove sediment.

After the timbers are removed, both banks will be re-graded to a more stable slope, seeded with native vegetation, and covered with erosion control material. The right downstream bank will likely have some additional toe protection in the form of a stone toe protection or a series of stream barbs. The right downstream bank will also have less re-grading due to the limited amount of spaces before encountering existing infrastructure. The last approximate 50 ft of right downstream bank will be stabilized through the use of a stone toe soil-encapsulated lift technique due to the close proximity of an adjacent driveway. The left downstream bank offers a greater opportunity to remove material and create a larger floodplain bench. A rock cross vane may be installed at the outlet of the culvert from Fairview Avenue to reduce bank erosion potential.

Project Cost Proposal

The estimated cost to complete the design, construction, and maintenance for Project Area 3 is \$29,500. This cost includes the additional time required to complete field work for the design and permitting phases, construction, and 3 years of maintenance.

Design

JFNew will complete a design in a similar fashion as Project Areas 1 and 2. Project Area 3 will be included in the design submittals.

Permitting

The inclusion of Project Area 3 in the overall project does not increase the cost of permitting significantly. Information for Project Area 3 will be included in the planned permit applications. No additional fees are anticipated. The proposed methods are similar to Project Areas 1 and 2. We don't anticipate the proposed design requiring any more modeling than what may be required for the other areas. Any permitting contingency allotted in the original proposal will cover the permitting for Project Area 3.

Construction and Maintenance

Project Area 3 will be constructed in a fashion similar to Project Areas 1 and 2. Material generated from excavation will be utilized either on-site, on another project area, or disposed of in an appropriate manner. Maintenance will include invasive species control, native vegetation establishment, and monitoring on bank stabilization techniques.