



## **Amendment No. 1**

### **City of Rochester Hills**

#### **Firewood & Falcon Drive Reconstruction and Pathway – Walton to Tienken Additional Scope and Proposed Fee**

February 21, 2013

Spalding DeDecker Associates, Inc. (SDA) is pleased to provide a scope and fee budget to perform additional design services for the reconstruction of Firewood and Falcon Drives. The following paragraphs summarize our understanding of the additional scope of services SDA will provide for this work, followed by a detailed breakout of the hours by task.

#### **Overview and Understanding of Additional Requested Services**

##### Falcon / Coachwood Lane Roundabout

The original scope of services called for gapping out construction work at the Coachwood traffic circle, but for future design potential SDA included surveying the area. It was later decided by City Engineering that since the pavement is in poor condition, and returning to the area later would be difficult, the pavement should be replaced with this project and reconfigured to a modern roundabout.

SDA will design the proposed roundabout utilizing AutoCad Civil 3D and AutoTURN software; the design will include geometric layout, construction plans and typical cross sections, detail grades, permanent signing and pavement marking, and a maintaining traffic plan during construction. An independent technical review shall be performed by MTJ engineering to provide a detailed final engineering review prior to issuing the plans for construction. MTJ has provided similar review services for several roundabouts in the Midwest, including the roundabout constructed at Hamilin and Livernois roads.

The proposed budget for designing a roundabout at the Falcon and Coachwood intersection is \$15,730, of which \$4,710 is for technical review by MTJ Engineering (direct fee, no markup).

##### Pathway to Park south of Stonetree Circle

SDA shall design approximately 650' of eight-foot wide pathway along the east side of Firewood from the northern Stonetree intersection southerly to the playground area. The work includes performing additional topographic survey beyond the right-of-way, developing construction plans and typical cross sections, designing a pedestrian crosswalk on Firewood, and design details for four ADA ramps at intersections and crosswalks.

The proposed budget to add the pathway segment is \$3,994.

**Summary**

The proposed total budget to perform all additional design services is \$19,724, as detailed on the attached hour and fee breakdown sheet. As with the original budgeted fee, all invoicing will be based on actual hours billed to the project for work performed, and not as a lump sum.

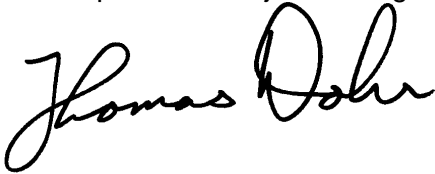
Please contact me if you have any questions or comments regarding this submittal, or require additional information on any of our proposed services.

Kindest Regards,

**SPALDING DEDECKER ASSOCIATES, INC.**



David P. Eno, P.E.  
Transportation Project Manager



Thomas J. Dohr, P.E.  
Client Representative

**Accepted By:**  
**City of Rochester Hills**

By: \_\_\_\_\_

Name: Bryan K. Barnett

Title: Mayor

Dated: \_\_\_\_\_



SPALDING DEDECKER ASSOCIATES, INC.

905 South Boulevard East • Rochester Hills • Michigan 48307 • Tel 248 844 5400 • Fax 248 844 5404

Amendment Number 1

Project: Firewood Drive & Falcon Drive

Date: 2/21/2013

Design Fee Basis (based on 2011-2013 Rochester Hills hourly rates)

Roundabout Design

Staff Classification	Hourly Rate (\$)	Hours	Budgeted Fee (\$)
Project Manager	115.00	16	1,840.00
Lead Design Engineer	92.00	48	4,416.00
Traffic Engineer	98.00	18	1,764.00
CADD Technician	85.00	32	2,720.00
Department Manager	140.00	2	280.00
		116	11,020.00
		MTJ Engineering Design Review:	4,710.00
		Roundabout Total:	15,730.00

Pathway to Park south of Stonetree

Staff Classification	Hourly Rate (\$)	Hours	Budgeted Fee (\$)
Project Manager	115.00	2	230.00
One-person crew	90.00	6	540.00
Lead Design Engineer	92.00	24	2,208.00
Traffic Engineer	98.00	2	196.00
CADD Technician	85.00	8	680.00
Department Manager	140.00	1	140.00
		Pathway Total:	43
			3,994.00

**Total Proposed Budget - Amendment No. 1: \$ 19,724.00**  
**Original Authorized Budget: \$ 103,564.00**  
**Total Proposed Project Budget: \$ 123,288.00**

Note - Budgets based upon scope letter with the same date as listed above.