

Bowman

CONSULTING

January 8, 2013

Mr. Paul G. Grimes
Village Manager
Village of Orland Park
14700 Ravinia Avenue
Orland Park, IL 60462-3167

Project: US 45 (LaGrange Road) IDS Update – 149th & 153rd Streets
Village of Orland Park, Illinois

Dear Mr. Grimes,

We appreciate you taking the time to meet with us on December 11, 2012. In response to your e-mails of December 20, 2012 & December 27, 2012, we respectfully request that the balance of the work to be performed on the above referenced project be contracted with Bowman.

The Project Engineer for the project, Eric Grzeskowiak, will continue in his current role and we can assure you of a seamless transition in project delivery. The work will generally involve completing the scope defined within the original McDonough proposal, and is summarized on the following pages.

Work will be performed on a time and materials basis with a not to exceed amount of \$13,415 and will be invoiced on a monthly basis with a breakdown of the work performed that month. The work will include submittals to IDOT and disposition of IDOT and Village comments. We are prepared to submit the revised TIS and IDS based on the Village's last round of comments immediately upon receipt of notice to proceed.

The Village of Orland Park is a valued client and we greatly appreciate your consideration on this project as well as future projects. Please contact me at 312.946.7133 or mletson@bowmancg.com should you require any additional information.

Very truly yours,

BOWMAN CONSULTING GROUP, LTD.



Matthew B. Letson, PE
Vice President

**LaGrange Road (US 45)
Intersection Design Studies at 149th and 153rd Streets
Village of Orland Park**

Scope of Work

The scope of work shall consist of completing work initially begun by McDonough Associates related to updating two (2) intersection design studies and preparing a Traffic Impact Study. Geometric revisions to the McDonough prepared exhibits will be prepared in consideration of e-mails received from the Village of Orland Park in the last week of November, 2012. The IDS's and the Traffic Impact Study at the intersection of LaGrange Road and 149th Street will be completed. Capacity analyses will be performed as required to facilitate completion of the IDS's and Traffic Impact Study. All work will be performed in full accordance with IDOT standards, procedures, requirements and criteria.

Working Tasks	Hours
1.0 Design Analysis and Identification of Impacts	
Revise roadway geometrics, lanes, medians and widths	6
Determine turn storage requirements, tapers and turn radii	2
Analyze need for retaining walls, side slopes and guardrail vs. ROW issues	2
Determine revised right of way and temporary construction easements	2
Review cross section impacts and develop alternatives if required	2
Pavement marking details	2
2.0 Revise Traffic Analysis and Intersection Design Study	
Provide projected traffic - Year 2040	2
Update capacity analyses in HCS	4
Revise intersection design study geometrics	10
Complete capacity inputs	2
Provide intersection autoturn exhibits	2
Revise IDS's based on comments received from milestone submittals	8
3.0 Traffic Impact Study - at 149th Street Intersection Only	
Existing traffic conditions / levels of service	0
Existing, proposed and planned improvements	0
Trip generations	0
Directional distributions	0
Background traffic growth	0
Site traffic assignments	0
Alternative capacity analysis	4
Proposed traffic conditions / levels of service	4
Conclusions, impacts and recommendations	4
Calculations and exhibits	6
Report text	16
Revise TIS based on comments received from milestone submittals	12

**LaGrange Road (US 45)
Intersection Design Studies at 149th and 153rd Streets
Village of Orland Park**

4.0 Cost Estimate		
Provide incremental cost estimate defining Village of Orland Park responsibilities		4
5.0 Coordination		
Coordination / Meetings with Village of Orland Park		8
Coordination / Meetings with IDOT		4
6.0 In-House Direct Costs		
Printing and reproductions		\$ 250
Meeting transportation		
Total estimated hours =		106
Average hourly wage rate =		\$ 46
Multiplier =		2.7
Sub-total =		\$ 13,165
In-House costs =		\$ 250
Project total =		\$ 13,415

Employee	Classification	Classification Description	Current Hourly Rate	Raise Date
Feroz Nathani, PE	1 - Principal	Responsible for business planning and development and project administration.	\$84.13	June 2013
Matt Letson, PE	2 - Civil Project Manager	Branch Manager, responsible for Project Management of civil projects, technical lead on drainage projects.	\$60.10	June 2013
Sung Lee, PE	2 - Civil Project Manager	Project Manager responsible for administration and management of transportation and aviation projects, administers QA/QC Program.	\$69.71	June 2013
Richard Sams, PE	2 - Civil Project Manager	Project Manager responsible for analysis, design and construction documents for various public works facilities.	\$66.35	June 2013
Eric Grzeskowiak, PE	Civil Project Engineer	Project Engineer responsible for studies, design and construction documents for various public works facilities and private developments.	\$54.85	June 2013
Mike Tomaszewski, PE	Civil Project Engineer	Project Engineer responsible for studies, design and construction documents for various public works facilities and private developments.	\$45.40	June 2013
Joe Figueras, Civil Engineer	Civil Engineer	Civil Engineer responsible for preparation of plans, specifications and estimates for roadway and utility projects.	\$45.20	June 2013
Josh Latour, PE	Civil Engineer	Civil Engineer responsible for studies and preparation of plans, specifications and estimates for public and private sector projects.	\$37.65	June 2013
Darren Fox, PE	Civil Engineer	Civil Engineer responsible for studies and preparation of plans, specifications and estimates for municipal infrastructure projects.	\$33.50	June 2013
Jeff Woss, EIT	Civil Junior Engineer	Civil Engineer responsible for studies and preparation of plans, specifications and estimates for public and private sector projects.	\$24.35	June 2013
Earl Jandacek	Programming Specialist	Responsible for preparation of preliminary and final reports, studies, Phase I and Phase II documents.	\$53.80	June 2013
Gerald Koylass, PE, SE	2 - Structural Project Manager	Structural Department Manager responsible for Project Management of structural projects.	\$67.95	June 2013
Karl Hanson, PE, SE	Structural Project Engineer	Structural Technical Director responsible for structural planning and design and technical coordination.	\$63.60	June 2013
Mirza Baig, PE	Structural Engineer	Structural Engineer responsible for analysis, design, preparation of plans, specifications and estimates for structural projects.	\$52.85	June 2013
Mike Livernois, EIT	Structural Junior Engineer	Structural Engineer responsible for studies and preparation of plans, specifications and estimates for structural projects.	\$30.30	June 2013
Kamil Yenice, PE	2 - Electrical Project Manager	Electrical Department Manager responsible for Project Management of electrical projects.	\$67.10	June 2013
Chris Martin	Technician/Drafter	Responsible for production of CAD drawings.	\$25.75	June 2013
Sungjin Choi, LA	Architect	Architectural lead responsible for studies, reports, design, plans, specifications and estimates.	\$44.17	June 2013
Arif Dzankovic, Architect	Junior Architect	Architect responsible for studies, reports, 3D modeling, design, plans, specifications and estimates.	\$25.00	June 2013
Marijo Maas	Project Accountant	Designated office Client Account Representative.	\$36.85	June 2013
Louann Maggio	Clerical	Office administration.	\$37.55	June 2013
Dagmar Cameron	Marketing Manager	Business development, marketing, proposal preparation.	\$41.35	June 2013
Steve Jerzyk	Information Technology	Maintenance of computers, software etc.	\$30.29	June 2013