

Clerk's Contract and Agreement Cover Page

Year: 2008-0

Legistar File ID#:

Multi Year: ☒

Amount \$0.00

Contract Type:

Professional Services

Contractor's Name:

McDonough Associates Inc

Contractor's AKA:

Execution Date:

3/4/2008

Termination Date:

12/31/2009

Renewal Date:

Department:

Public Works

Originating Person:

Denise Domalewski/Pete Casey

Contract Description:

Professional Engineering Services General Contract
2008-2009

3.4.08 \$209,616 Ped Bridge

3.4.08 \$75,230 Decorative Façade

5.13.09 104th Ave Bike Path \$34,165.38

12.1.09 - addendum to extend contract thru 2010

6.16.10 Bike Path add \$23,420.48

6.17.10 proposal Wolf & 183rd water main \$18,160.00

12/23/10 Addendum B - extending General through
2011

1/20/11 - 143rd SW Hghwy Realignment \$9938.04 (PO
59353)

6/10/11 - Change Services Wolf Rd & 183rd St Water
Main \$11,130.00 (4/14/11 proposal)

5/31/11 \$2,666.00 Wolf Rd & 183rd WM Consruction
Services

9/1/11 -\$210,752 PH1 143rd - SWHwy to Wolf 2011-
0351

9/1/11 \$420,699.80 Ph2 143rd - Wolf to Will Cook 2011-0353

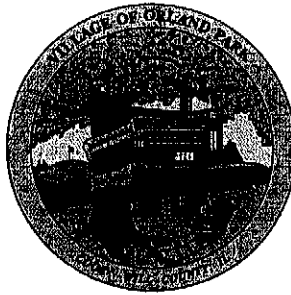
Thursday, September 01, 2011

MAYOR
Daniel J. McLaughlin

VILLAGE CLERK
David P. Maher

14700 S. Ravinia Ave.
Orland Park, IL 60462
(708) 403-6100

www.orland-park.il.us



VILLAGE HALL

TRUSTEES

Kathleen M. Fenton
Brad S. O'Halloran
James V. Dodge
Edward G. Schussler III
Patricia A. Gira
Carole Griffin Ruzich

September 1, 2011

Mr. Feroz Nathani
President
McDonough Associates Inc.
130 East Randolph
Suite 1000
Chicago, Illinois 60601

RE: *Proposal dated April 13, 2011 – Phase I Engineering for 143rd Street, Southwest Highway to Wolf Road.*
Proposal dated May 10, 2011 – Phase II Engineering for 143rd Street, Wolf to Will-Cook

Dear Mr. Nathani:

Enclosed are signed copies of the proposals referenced above. The purchase order applicable to phase I is #61481 and the purchase order applicable to phase II is #61511. Please attach these signed proposals to the general contract dated March 4, 2008, revised December 23, 2010 extending the term to 2011.

If you have any questions, please call me at 708-403-6173.

Sincerely,

Denise Domalewski
Contract Administrator

cc: Ed Wilmes



McDonough Associates Inc.
16634 South 107th Court
Orland Park, Illinois 60467-8898
708/226-9261 Fax: 708/226-9345
www.malengr.com

April 13, 2011

Mayor Daniel J. McLaughlin
Village of Orland Park
14700 Ravinia Avenue
Orland Park, IL 60462

Re: Phase I Engineering Design Services
143rd Street – Wolf Road to Southwest Highway

Dear Mayor McLaughlin:

Please find attached a proposal to complete Phase I Engineering Design Services for the above reference project. The proposed services account for changes to the scope of this project which are detailed in the attached documents.

We appreciate the opportunity to provide engineering services to the Village of Orland Park. Please call me at (312) 946-7104 if you have any questions or require additional information.

Very truly yours,
McDonough Associates Inc.

Feroz Nathani, PE
President

Phase I Update
Illinois Route 7 (143rd Street) - Wolf Road to Southwest Highway
Village of Orland Park

Scope of Work

143rd Street Phase I Update

The project will consist of updating the current Phase I Project Development report and environmental items based on the new right-of-way agreement with the Forest Preserve District of Cook County along with the new requirements from the March 15, 2001 FHWA/IDOT coordination meeting. Existing traffic will need to be counted and projected to 2040, geometry will need to be revised based on the new ROW as well as Complete Streets requirements, all environmental work will need to be revisited and closed, a new public meeting will need to be held and the Project Development report and exhibits will need to be revised and resubmitted to IDOT for approval. The Location Drainage Study and Hydraulic Report have previously been approved and will require addendums to account for the new geometry. All work will be performed in full accordance with IDOT standards, procedures, requirements and criteria. NOTE - This project will meet the limits of the improvements to Southwest Highway on the west leg of the intersection of Southwest Highway and 143rd Street.

Southwest Highway Realignment Studies

The project will consist of preparing an Intersection Design Study for the potential realignment of the intersection at 143rd Street and Southwest Highway. The project will update the recommendations and findings made in the IDOT Phase I Report for 143rd Street to reflect the recent clearing of commercial buildings on the NW corner of the intersection. The updated study will look at new alignment possibilities that were not available as alternatives during the original study. The project will also look at 2040 traffic projections for the intersection. A public meeting will be held to present the findings of the intersection improvement study to all stakeholders and interested parties. All work will be performed in full accordance with IDOT standards, procedures, requirements and criteria.

143rd Phase I Update Working Tasks

Total Man-hours

1.0 Update Data Collection / Gather Information	
Request and Plot Latest Utility Atlas Sheets	6
Request Latest Existing Roadway Plans	2
Property Delineation and Ownership	8
Taxing Maps	2
Planning Maps	2
Existing Drainage Plans	0
Development Plans	4
<i>Sub-Total</i>	24
2.0 Early Project Coordination	
Re-establish Design Criteria - Horizontal / Vertical	6
Prepare New Work Plan	2
Prepare New Project Schedule	2
<i>Sub-Total</i>	10
3.0 Update Phase I Field Survey	
Horizontal Control and Centerline Survey	8
Vertical Control, Benchmarks and Ties	8
Topographic Information	0
Property Corners	0
Drainage Survey	16
New Developments and Construction	48
Cross Sections	0
<i>Sub-Total</i>	80

4.0 Update Traffic Analysis & Intersection Design Study		
24 Hour machine counts		Included by others
AM Peak Hour Directional Counts		Included by others
PM Peak Hour Directional Counts		Included by others
Year 2040 Projected Traffic (ADT and DHV)	16	
Capacity Analysis	24	
Traffic Signal Warrants	12	
Intersection Design Study Plans (3 Intersections)	300	
Intersection Autoturn Exhibits	24	
	<i>Sub-Total</i>	376
5.0 Update Crash Analysis		
Compile Crash Reports and Records (most recent three years)	4	
Analysis of Collision Accident Data	4	
Prepare Crash Analysis Report and Exhibits	16	
	<i>Sub-Total</i>	24
6.0 143rd Street Alternative Alignments and Design Analysis		
Horizontal Alignment Analysis	24	
Vertical Alignment Analysis	16	
Typical Section Study	16	
Roadway Geometrics, Lanes, Median and Widths	4	
Turn Storage Requirements, Tapers and Turn Radii	4	
Retaining Walls, Side slopes and Guardrail vs. ROW Issues	8	
Temporary Construction Easements	2	
Plan Geometrics for IDS	24	
Profile Geometrics for IDS	24	
Cross Section Impact Analysis	4	
Determine Right-Of-Way and Easement Requirements	4	
Pavement Marking Details	2	
Complete Streets Design	16	
Utility Relocations	4	
Safety Issues	4	
	<i>Sub-Total</i>	156
7.0 Streetscaping Issues		
Landscaping Issues		Not Included
Street Lighting Issues		
Decorative Features		
	<i>Sub-Total</i>	
8.0 Socio-Economic Business Establishment Issues		
Meet with Businesses		Not Included
Economic Issues		
Traffic and Access Issues		
Parking Issues		
Safety Issues		
	<i>Sub-Total</i>	
9.0 Maintenance of Traffic and Detour Route Analysis		
Detour Route Analysis	0	
Construction Staging Issues	8	
Plan Packaging Options	4	
	<i>Sub-Total</i>	12
10.0 Hydraulic Report Addendum		
Hydraulic Analysis Based on New Culvert Length	32	
Revise Waterway Information Tables	16	
Revise Compensatory Storage Calculations and Site Plan	16	
Permit Summary for Floodway	8	
Revise Hydraulic Report, Data Sheets, and PBDHR BLR 10210	32	
Update General Plan and Elevation for Culvert	8	
	<i>Sub-Total</i>	112

11.0 Location Drainage Study Addendum		
Update Existing Conditions	16	
Revise Proposed Drainage Plan and Profiles	80	
Analyze New Drainage Alternatives	16	
Storm Sewer Calculations and Detention Calculations	72	
Amend Location Drainage Study Report and Exhibits	48	
Meetings and Coordination	24	
	<i>Sub-Total</i>	256
12.0 Structural Studies		
Retaining Wall Analysis and Calculations		Not Included
Culverts and Wingwall Analysis and Calculations		
Retaining Wall Alternatives		
Culverts and Wingwall Alternatives		
Preliminary TS&L for Retaining Walls		
Preliminary TS&L for Culverts and Wingwalls		
Structural Recommendations		
Structural Cost Estimate		
	<i>Sub-Total</i>	
13.0 Wetland Delineation, Classification, Mitigation		
Delineation		Not Included
Classification		
Mitigation		
Avoidance Alternatives		
Wetland Impact Re-Assessment and WIE Forms	16	
	<i>Sub-Total</i>	16
14.0 Environmental Studies		
Environmental Survey Request Form	0	
Eco Cat On-Line Application	2	
Archaeological, Historical and Architectural Inventory	0	
Preliminary Environmental Site Assessment		
Hazardous Waste	0	
Special Waste	0	
Air Analysis	0	
Noise Analysis	0	
Section 4(f) Evaluation - Closeout with FPDCC	24	
Wetland Permits	0	
Revisit and Close all ECAD Items	32	
Floodway and Floodplain Permits	0	
Tree and Vegetation Evaluation	0	
	<i>Sub-Total</i>	58
15.0 Meetings, Coordination and Special Issues		
Forest Preserve District of Cook County	16	
Illinois Nature Preserve	0	
Cook County Highway Department	4	
Illinois Historic Preservation Officer	0	
Illinois Department of Natural Resources	0	
US Army Corps of Engineers	0	
Illinois Department of Transportation	24	
FHWA	4	
Coordination of Services by Others	2	
	<i>Sub-Total</i>	50
16.0 143rd Street Public Involvement (Informational Meeting)		
Compile Mailing List from List of Property Owners	2	
Prepare and Mail Informational Brochures	4	
Prepare Public Meeting Displays and Presentation	24	
Secure Public Meeting Site		by Orland Park
Hold Public Meeting and Gather Input	16	
Prepare Summary of Comments at Public Meeting	8	
Transportation to Meeting (2 trips)		
	<i>Sub-Total</i>	54

17.0 Cost Estimate		
Preliminary		6
Final		4
	Sub-Total	10
18.0 143rd Street Phase I Project Development Report		
Revise PDR Text and Exhibits		48
Compile Final Report		16
	Sub-Total	64
19.0 In-House Direct Costs		
Printing and Reproductions		
Preliminary Submittal		
Xerox Copies		
Paper Plots		
Blueline Copies		
PreFinal Submittal		
Xerox Copies		
Paper Plots		
Blueline Copies		
Vellum Plots		
Final Submittal		
Xerox Copies		
Paper Plots		
Blueline Copies		
Vellum Plots		
Mylar Plots		
Survey Vehicle Transportation		
Field Survey Trips		
Meeting Transportation		
Meeting Trips		
Special Meeting Exhibits and Presentation Material		
Public Meeting Room Rental		
Public Meeting Brochures		
Public Meeting Exhibit Printing/Mounting		
20.0 Services By Others		
Aerial Photography		
Soil Borings / Wetland Borings / Pavement Cores		Not Included
Traffic Counting (Peak Hours, Directional and 24-Hour Tube)		\$ 6,000.00
Hazardous / Special Waste Site Assessment Survey		
Air Analysis		
Noise Analysis		
Erosion Control Plans		Not Included
Water Quality Issues		
Wetland Delineation and Classification		

Estimate Total Man-Hours	1302
Estimate Average Hourly Wage Rate \$	43.50
Multiplier	2.8
Sub-Total \$	158,583.60
In-House Costs and Services by Others (see above) \$	8,000.00
Project Sub-Total \$	166,583.60

Southwest Highway Realignment Working Tasks

Total Man-hours

1.0 Southwest Highway Realignment Study & Intersection Design Study		
Horizontal Alignment Analysis	24	
Vertical Alignment Analysis	16	
Typical Section Study	4	
Roadway Geometrics, Lanes, Median and Widths	4	
Turn Storage Requirements, Tapers and Turn Radii	4	
Retaining Walls, Side slopes and Guardrail vs. ROW Issues	4	
Temporary Construction Easements	2	
Plan Geometrics for IDS	8	
Profile Geometrics for IDS	8	
Cross Section Impact Analysis	4	
Determine Right-Of-Way and Easement Requirements	4	
Pavement Marking Details	2	
School Access Issues	16	
Utility Relocations	4	
24 Hour machine counts	Included by others	
AM Peak Hour Directional Counts	Included by others	
PM Peak Hour Directional Counts	Included by others	
Capacity Analysis	12	
Traffic Signal Warrants	4	
Intersection Design Study Plans (3 Intersections)	100	
Intersection Autoturn Exhibits	8	
<i>Sub-Total</i>	228	
2.0 Railroad Coordination		
Meetings and Coordination	4	
Grades and Crossing	4	
Signal Equipment & Railroad Preemption	4	
<i>Sub-Total</i>	12	
3.0 Southwest Highway Public Involvement (Informational Meeting)		
Prepare Public Meeting Displays and Presentation	24	
Secure Public Meeting Site	by Orland Park	
Hold Public Meeting and Gather Input	16	
Public Outreach and Follow Up with School and Property Owners	16	
Transportation to Meeting (2 trips)		
<i>Sub-Total</i>	56	
4.0 Cost Estimate		
Preliminary	6	
Final	4	
<i>Sub-Total</i>	10	
5.0 Southwest Highway Phase I Project Development Report		
Prepare PDR Text and Exhibits	24	
Compile Final Report	8	
<i>Sub-Total</i>	32	
6.0 In-House Direct Costs		
Printing and Reproductions		
Preliminary Submittal		
Xerox Copies		
Paper Plots		
Blue-line Copies		
PreFinal Submittal		
Xerox Copies		
Paper Plots		
Blue-line Copies		
Vellum Plots		
Final Submittal		
Xerox Copies		
Paper Plots		
	\$	1,000.00

Blue-line Copies	
Vellum Plots	
Mylar Plots	
Survey Vehicle Transportation	
Field Survey Trips	
Meeting Transportation	
Meeting Trips	
Special Meeting Exhibits and Presentation Material	
Public Meeting Room Rental	
Public Meeting Brochures	
Public Meeting Exhibit Printing/Mounting	
7.0 Services By Others	
Aerial Photography	Not Included
Soil Borings / Wetland Borings / Pavement Cores	
Traffic Counting (Peak Hours, Directional and 24-Hour Tube)	\$ 2,000.00
Hazardous / Special Waste Site Assessment Survey	
Air Analysis	
Noise Analysis	
Erosion Control Plans	Not Included
Water Quality Issues	
Wetland Delineation and Classification	

Estimate Total Man-Hours	338
Estimate Average Hourly Wage Rate \$	43.50
Multiplier	2.8
Sub-Total \$	41,168.40
In-House Costs and Services by Others (see above) \$	3,000.00
Project Sub-Total \$	44,168.40

PROJECT GRAND TOTAL \$ 210,752.00

Accepted and Approved by

Village of Orland Park

by:

Paul G. Grimes

Village Manager

date: 8/31/11

DATE: June 20, 2011

REQUEST FOR ACTION REPORT

BOARD

File Number:	2011-0351
Orig. Department:	Public Works Department
File Name:	Supplement for Design Engineering McDonough Associates - 143rd Street, Southwest Highway to Wolf Road

BACKGROUND:

Over the past several years, McDonough Associates Inc. (MAI) of Chicago, Illinois, has been performing Phase I Engineering for the 143rd Street corridor, generally from LaGrange Road west to Will Cook Road as conditions have allowed them to continue. 143rd Street is an IDOT road, with the Village taking the lead on advance engineering and ultimately reconstruction. Federal funding has been secured for the engineering and construction with the local match set at thirty percent (30%).

The 143rd Street corridor project was split into two smaller projects (LaGrange Road to Wolf Road (Segment 1) and Wolf Road to Will Cook Road (Segment 2) when challenges with right-of-way acquisition along the Cook County Forest Preserve District (FPDCC) property arose. The scope of their work for both projects is to develop a Phase I report and preliminary plans, etc., for the proposed reconstruction and expansion of the corridor from 2 lanes to 4 lanes with a shared median turn lane or raised median, depending upon location.

Since the original work has been undertaken, the easternmost limits for Segment 1 have been reduced from the LaGrange Road terminus to Southwest Highway due to advance work on 143rd Street from generally LaGrange to Beacon related to the Village's Triangle Development.

As noted, the Segment 1 project was suspended for a number of years due to the uncertainty of construction options. Right-of-way acquisition issues arose during Phase I development regarding the roadway's proposed relocated proximity to residential properties within this section, and the potential need to obtain right-of way from the FPDCC. Since the early 2011 acquisition of the needed right of way from FPDCC, work on this project is able to be fully resumed.

During late 2010, the Village asked McDonough to provide a Feasibility Report regarding an opportunity to realign Southwest Highway with Union Avenue at 143rd Street, thereby eliminating the "fifth leg" of the current intersection at that location. Since that study has been returned and deemed a feasible project by the Village and IDOT, Segment 1 has been split into Segments 1A and 1B. Segment 1A is generally the Southwest Highway/Union Avenue and 143rd Street realignment project, and Segment 1B is 143rd Street from Southwest Highway to Wolf Road.

To move the Segment 1A project forward, the Village has met with parties involved including school District 135 staff. No formal approval for Segment 1A has been provided thus far. Therefore while the proposal includes fees in the amount of \$44,168.40 for the continuation of this realignment work, no expenditures will be made until a formal agreement is made with the affected landowner and District 135 regarding the proposed Southwest Highway realignment

Segment 1A project.

After the additional right of way was acquired from FPDCC, the Village requested the status of the project from IDOT and FHWA. McDonough has advised of the work remaining since the project was suspended approximately five years ago. The proposal provides a scope for the work for Segment 1B (estimated at \$166,583.60) to complete the Phase I report to finalize this initial portion of the work leading to the reconstruction and widening of the 143rd Street corridor to four through-lanes, with a fifth shared turn lane. To date, the Village has spent approximately \$494,770 on Phase I engineering for this segment of 143rd Street.

Staff has reviewed the proposal from McDonough Associates for the Phase I engineering work for both projects and finds the proposed fee of \$210,752.00 appropriate for the effort to be undertaken. The Village will be reimbursed for seventy percent (70%) of the total cost of the work.

On June 6, 2011, this item was reviewed and approved by the Public Works and Engineering Committee and referred to the Board for approval.

INFORMATION PREVIOUSLY PROVIDED AS PART OF THE JUNE 6, 2011, PUBLIC WORKS AND ENGINEERING COMMITTEE PACKET.

BUDGET IMPACT:

Budget remaining from the 143rd Street and LaGrange Road project which will not be used due to the low construction bid received for the project will be used to fund this item.

REQUESTED ACTION:

I move to approve authorizing the Village Manager to execute Supplemental Agreement dated April 13, 2011, with McDonough Associates Inc. of Chicago, Illinois, to complete Phase I Design Engineering services for 143rd Street from Southwest Highway to Wolf Road (Segment 1B) and to provide Engineering Services, report submittals and Public Meetings related to the realignment of Southwest Highway with Union Avenue at 143rd Street (Segment 1A) in an amount not to exceed \$210,752.00.
