

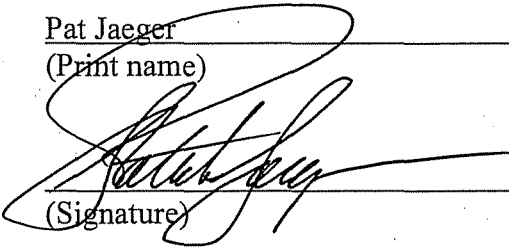
DOCUMENT VET SHEET
for
Karen McConnaughay
Chairman, Kane County Board

Name of Document: Agreement with McDonough Associates for Phase II Engineering
for Stearns Road Bridge Corridor, Stage 2, Kane Co. Sec. #07-00214-10-BR

Submitted by: Linda Haines

Date Submitted: December 11, 2007

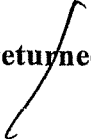
Examined by: Pat Jaeger
(Print name)


(Signature)

(Date)

Comments: _____

Chairman signed: Yes No _____
(Date) 1-8-08

Document returned to:  _____
Co. Clerk

**AN AGREEMENT BETWEEN THE COUNTY OF KANE AND
MCDONOUGH ASSOCIATES, INC. FOR PHASE II ENGINEERING SERVICES FOR
NEW STEARNS ROAD IMPROVEMENTS – STAGE 2
KANE COUNTY SECTION NO. 07-00214-10-BR**

PURCHASE ORDER # _____

This AGREEMENT, made this 8th day of January 2008 between COUNTY OF KANE, a body corporate and politic of the State of Illinois (hereinafter referred to as the "COUNTY"), and McDonough Associates, Inc., an Illinois Licensed Professional Engineering Corporation, with offices at 130 East Randolph Street, Chicago, Illinois 60601 (hereinafter referred to as the "CONSULTANT"). The COUNTY and the CONSULTANT are sometimes hereinafter collectively referred to as the "PARTIES" and individually as a "PARTY".

WITNESSETH

WHEREAS, it is deemed to be in the best interest of the COUNTY and the motoring public to improve and maintain the various highways throughout Kane County; and,

WHEREAS, the COUNTY desires to improve Kane County Highway No. 37 (Stearns Road) with improvements required along McLean Boulevard from Lancaster Circle to Illinois Route 31 (hereinafter referred to as the "PROJECT"). The PROJECT will also require the removal and replacement of the CNIC Railroad Bridge; and,

WHEREAS, in order to accomplish the PROJECT it is necessary to retain the services of a professional engineering firm to perform Phase II Engineering services for the PROJECT; and,

WHEREAS, the CONSULTANT has experience and professional expertise in Phase II Engineering services and is willing to perform said services for the PROJECT for an amount not to exceed One Million Seven Hundred Ninety Two Thousand Thirty Three Dollars (\$1,792,033.00); and,

WHEREAS, the COUNTY has determined that it is in the COUNTY'S best interest to enter into this AGREEMENT with the CONSULTANT.

NOW, THEREFORE, in consideration of the above stated preambles, the mutual covenants and agreements herein set forth, the PARTIES do hereby mutually covenant, promise, agree and bind themselves as follows:

1.0 INCORPORATION

- 1.1 All of the preambles set forth hereinabove are incorporated into and made part of this AGREEMENT.

2.0 SCOPE OF SERVICES

- 2.1 Services for the PROJECT are to be provided by the CONSULTANT according to the specifications set forth in Exhibit "A" which is attached hereto and incorporated herein. The services are sometimes hereinafter also referred to as the "work".

3.0 NOTICE TO PROCEED

- 3.1 Authorization to proceed with the work described and as otherwise set forth in Exhibit "A" shall be given on behalf of the COUNTY by the Kane County Engineer, in the form of a written notice to proceed (hereinafter "Notice to Proceed"), following execution of this Agreement by the County Board Chairman of the COUNTY.

4.0 TECHNICAL SUBCONSULTANTS

- 4.1 The prior written approval of the Kane County Engineer shall be required before any technical sub-consultants are hired by the CONSULTANT to perform any of the work.
- 4.2 Any such sub-consultants shall be hired and supervised by the CONSULTANT and the CONSULTANT shall be solely responsible for any and all work performed by said sub-consultants in the same manner and with the same liability as if performed by the CONSULTANT.

5.0 TIME FOR PERFORMANCE

- 5.1 The CONSULTANT shall commence work on the PROJECT as directed in the Notice to Proceed. The COUNTY is not liable and will not pay the CONSULTANT for any work performed prior to the date of the Notice to Proceed or after termination of this AGREEMENT.
- 5.2 Within ten (10) days after the Notice to Proceed is mailed or otherwise transmitted to the CONSULTANT, the CONSULTANT shall submit a schedule for completion of the PROJECT. The schedule is subject to approval by the County Engineer.

6.0 COMPENSATION

- 6.1 The COUNTY shall only pay the CONSULTANT for work performed and shall pay only in accordance with the provisions of this AGREEMENT.
- 6.2 For work performed, the COUNTY shall pay the CONSULTANT based upon the hourly rates set forth in Exhibit "B", which is attached hereto and incorporated herein and which rates includes overhead and profit.

- 6.3 For direct expenses, the COUNTY shall pay the CONSULTANT for supplies and materials required for the completion of all work defined in the exhibit(s) attached hereto.
- 6.4 For direct expenses, the CONSULTANT shall include copies of receipts from suppliers for expendable materials with its invoice to the COUNTY. Computer charges will not be allowed as direct expenses.
- 6.5 Within 45 days of receipt, review and approval of properly documented invoices, the COUNTY shall pay or cause to be paid to the CONSULTANT partial payments of the compensation specified in this AGREEMENT. Payment will be made in the amount of sums earned less previous partial payments. However, the COUNTY reserves the right to hold back a sum equal to five percent (5%) of the total contract sum to ensure performance satisfactory to the Kane County Engineer.
- 6.6 Total payments to the CONSULTANT under the terms of this AGREEMENT shall not exceed One Million Seven Hundred Ninety Two Thousand Thirty Three Dollars (\$1,792,033.00).

7.0 DELIVERABLES.

- 7.1 The CONSULTANT shall provide the COUNTY, prior to the termination of this AGREEMENT, or at such time as the Kane County Engineer directs, any required deliverables related to work performed under this AGREEMENT.
- 7.2 Upon receipt, review and acceptance of all deliverables by the COUNTY (if required), final payment will be made to the CONSULTANT by the COUNTY.

8.0 CONSULTANT'S INSURANCE

- 8.1 The CONSULTANT shall, during the term of this AGREEMENT and as may be required thereafter, maintain, at its sole expense, insurance coverage including:
 - A. Worker's Compensation Insurance in the statutory amounts.
 - B. Employer's Liability Insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000) each accident/injury and Five Hundred Thousand Dollars (\$500,000) each employee/disease.
 - C. Commercial General Liability Insurance, (including contractual liability) with limits of not less than One Million Dollars (\$1,000,000) per occurrence bodily injury/property damage combined single limit; Two Million Dollars (\$2,000,000) excess liability coverage in the aggregate for injury/property damage combined single limit and Two Million Dollars (\$2,000,000) in the aggregate for products-completed operations.

D. Commercial Automobile Liability Insurance with minimum limits of at least One Million Dollars (\$1,000,000) for any one person and One Million Dollars (\$1,000,000) for any one occurrence of bodily injury or property damage.

E. Professional Errors and Omissions Insurance with a minimum limit of One Million Dollars (\$1,000,000).

8.2 It shall be the duty of the CONSULTANT to provide to the COUNTY copies of the CONSULTANT'S certificates of insurance before issuance of the Notice to Proceed. The CONSULTANT shall provide the COUNTY and maintain a certificate of insurance for its General Liability Policy which certificate shall include the COUNTY as additional named insured. The additional insured endorsement included on the CONSULTANT'S Commercial General Liability policy will provide the following:

A. That the coverage afforded the additional insured will be primary insurance for the additional insured with respect to claims arising out of operations performed by or on behalf of the CONSULTANT;

B. That if the additional insured has other insurance which is applicable to the loss, such other insurance will be only on an excess or contingent basis;

C. That the amount of the CONSULTANT'S liability under the insurance policy will not be reduced by the existence of such other insurance; and,

D. That the certificate of insurance shall contain a provision or endorsement that the coverage afforded will not be canceled, materially changed, nor renewal refused until at least thirty (30) days prior written notice has been given to COUNTY.

8.3 The insurance required to be purchased and maintained by CONSULTANT shall be provided by an insurance company acceptable to the County with an AM Best rating of A- or better, and licensed to do business in the State of Illinois; and shall include at least the specified coverage and be written for not less than the limits of the liability specified herein or required by law or regulation whichever is greater. In no event shall any failure of the COUNTY to receive policies or certificates of insurance or to demand receipt of the same be construed as a waiver of the CONSULTANT'S obligation to obtain and keep in force the required insurance.

9.0 INDEMNIFICATION.

9.1 To the fullest extent permitted by law, the CONSULTANT shall indemnify and hold harmless the COUNTY, and its officials, directors, officers, agents, and employees from and against any and all claims, damages, losses, and expenses, including but not limited to court costs and attorney's fees, arising out of or resulting from performance of the work, provided that such claim, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or

destruction of property, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the CONSULTANT, a sub-consultant, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, excluding any proportionate amount of any claim, damage, loss or expense which is caused by the negligence of the COUNTY. Such obligation shall not be construed to negate, abridge or reduce other rights or obligations of indemnity, which would otherwise exist as to a PARTY or person described in this paragraph. In claims against the COUNTY and its officials, directors, officers, agents, and employees by an employee of the CONSULTANT, a sub-consultant, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited by a limitation on the amount or type of damages, compensation or benefits payable by or for the CONSULTANT or a sub-consultant under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts.

- 9.2 Nothing contained herein shall be construed as prohibiting the COUNTY, its officials, directors, officers, agents, and employees, from defending through the selection and use of their own agents, attorneys and experts, to defend any claims, actions or suits brought against them.
- 9.3 If any errors, omissions, intentional or negligent acts are made by the CONSULTANT or sub-consultant in any phase of the work, the correction of which requires additional field or office work, the CONSULTANT shall be required to perform such additional work as may be necessary to remedy same without undue delay and without charge to the COUNTY.
- 9.4 Acceptance of the work by the COUNTY will not relieve the CONSULTANT of the responsibility for the quality of the work, nor of the CONSULTANT'S liability for loss or damage to property or persons resulting therefrom.
- 9.5 Any contractor hired by the COUNTY to perform the construction work on the PROJECT shall be required to indemnify and hold harmless both the COUNTY and the CONSULTANT from worker injury claims by including the following provision in the construction contract:

To the fullest extent permitted by law, the contractor shall indemnify and hold harmless the COUNTY, the CONSULTANT, and any sub-consultant and their respective agents and employees from and against any and all claims, damages, losses, economic losses and expenses, including but not limited to attorney's fees, arising out of or resulting from performance of the work, provided that such claim, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, excluding any proportionate amount of any claim, damage, loss or expense which is caused by a party indemnified hereunder. Such obligation shall not be construed to negate,

abridge or reduce other rights or obligations of indemnity, which would otherwise exist as to a party or person described in this paragraph. In claims against any person or entity indemnified under this paragraph by an employee of the contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited by a limitation on the amount or type of damages, compensation or benefits payable by or for the contractor or a subcontractor under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts.

- 9.6 That the COUNTY shall require the contractor to purchase an Owner's Policy in the name of the County of Kane and to name the CONSULTANT as additional insured on the contractor's general liability policy by including the following provision in the construction contract:

The contractor will obtain and maintain Commercial General Liability Insurance with broad form property damage coverage and contractual liability endorsement insuring the indemnity required of the Contractor. The CONSULTANT will be named as additional insured on the Contractor's insurance policy. The additional insured endorsement included on the Contractor's policy will provide the following:

- a) That the coverage afforded the additional insureds will be primary insurance for the additional insureds with respect to claims arising out of operations performed by or on behalf of the Contractor;
- b) That if the additional insureds have other insurance which is applicable to the loss, such other insurance will be on an excess or contingent basis;
- c) That the amount of the company's liability under the insurance policy will not be reduced by the existence of such other insurance; and,
- d) That the certificate of insurance shall contain a provision or endorsement that the coverage afforded will not be canceled, materially changed, nor renewal refused until at least thirty (30) days prior written notice has been given to COUNTY.

10.0 SATISFACTORY PERFORMANCE.

- 10.1 The CONSULTANT'S and sub-consultant's standard of performance under the terms of this AGREEMENT shall be that which is to the satisfaction of the COUNTY and meets or exceeds the quality and standards commonly accepted in the industry in the Chicago Metropolitan area.

11.0 CONFLICT OF INTEREST.

- 11.1 The CONSULTANT covenants that it has no conflicting public or private interest and shall not acquire directly or indirectly any such interest which would conflict in any manner with the performance of CONSULTANT'S services under this AGREEMENT.
- 11.2 The CONSULTANT, by its signature on this AGREEMENT, certifies that it has not been barred from being awarded a contract or subcontract under the Illinois Purchasing Act; and further certifies that it has not been barred from contracting with a unit of State or Local government as a result of a violation of Section 33E-3 or 33E-4 of the Illinois Criminal Code (Illinois Compiled Statutes, 1992, Chapter 720, paragraph 5/33E-3).

12.0 OWNERSHIP OF DOCUMENTS.

- 12.1 The CONSULTANT agrees that all survey data, reports, drafting, studies, specifications, estimates, maps and computations prepared by the CONSULTANT under the terms of this AGREEMENT shall be properly arranged, indexed and delivered to the COUNTY within ninety (90) days of written request therefor.
- 12.2 The documents and materials made or maintained under this AGREEMENT shall be and will remain the property of the COUNTY which shall have the right to use same without restriction or limitation and without compensation to the CONSULTANT other than as provided in this AGREEMENT.

13.0 COMPLIANCE WITH STATE AND OTHER LAWS.

- 13.1 The CONSULTANT and sub-consultants will comply with all State, Federal and Local statutes, ordinances and regulations; and will obtain all permits as are applicable.
- 13.2 The CONSULTANT and any sub-consultants shall not discriminate against any worker, job applicant, employee or any member of the public, because of race, creed, color, sex, age, handicap, or national origin, or otherwise commit an unfair employment practice.

14.0 MODIFICATION OR AMENDMENT.

- 14.1 The terms of this AGREEMENT may only be modified or amended by a written document duly executed by both PARTIES.

15.0 TERM OF THIS AGREEMENT.

- 15.1 The term of this AGREEMENT shall begin on the date this AGREEMENT is fully executed and shall continue in full force and effect until the earlier of the following occurs:

- A. The PARTY'S termination of this AGREEMENT in accordance with the terms of Section 16.0; or,
- B. Upon the 1095th day after receipt by the CONSULTANT of the Notice to Proceed from the Kane County Engineer on behalf of the COUNTY. (The fee payable to the CONSULTANT for services rendered shall be for 1095 calendar days during the periods from January 2008 to December 2010 as set forth on Exhibit A attached hereto.

15.2 In the event the required calendar days are exceeded and/or anticipated personnel requirements are not adequate and remaining funds are not sufficient to complete the PROJECT, adjustments in total compensation to the CONSULTANT may be determined through negotiation between the COUNTY and the CONSULTANT. The COUNTY shall however, have no obligation to agree to any such adjustment.

15.3 The date of the first calendar day for this AGREEMENT shall be the date of receipt of the Notice to Proceed by the CONSULTANT from the COUNTY. In the event the PROJECT work is suspended as recorded on the "Report of Starting and Completion Date," the calendar days for this AGREEMENT will also be suspended for a like amount of time.

16.0 TERMINATION ON WRITTEN NOTICE.

16.1 Except as otherwise set forth in this AGREEMENT, the CONSULTANT shall have the right to terminate this AGREEMENT for cause upon serving sixty (60) days written notice upon the COUNTY.

16.2 The COUNTY may terminate this AGREEMENT at any time upon written notice to the CONSULTANT.

16.3 Upon termination of this AGREEMENT, the obligations of the PARTIES to this AGREEMENT shall cease, but they shall not be relieved of the duty to perform their obligations up to the date of termination. Notwithstanding anything in this AGREEMENT to the contrary however, the obligations of the CONSULTANT to indemnify and hold harmless the COUNTY as provided for in Section 9.0 of the AGREEMENT shall survive the termination of this AGREEMENT.

16.4 Upon termination of this AGREEMENT, all data, work products, reports and documents produced, as a result of this AGREEMENT shall become the property of the COUNTY.

17.0 ENTIRE AGREEMENT.

17.1 This AGREEMENT contains the entire AGREEMENT between the parties.

17.2 There are no other covenants, promises, conditions or understandings, either oral or written, other than those contained herein.

18.0 NON-ASSIGNMENT.

18.1 This AGREEMENT shall not be assigned by either PARTY without prior written approval by the other PARTY requesting the assignment.

19.0 SEVERABILITY.

19.1 In the event any provision of this AGREEMENT is held to be unenforceable for any reason, the enforceability thereof shall not affect the remainder of the AGREEMENT, which will remain in full force and effect and enforceability in accordance with its terms.

20.0 GOVERNING LAW.

20.1 This AGREEMENT shall be governed by the laws of the State of Illinois both as to interpretation and performance.

20.2 Venue for any dispute arising hereunder shall be in the Circuit Court of the Sixteenth Judicial Circuit, Kane County, Illinois.

21.0 NOTICE.

Any required notice shall be sent to the following addresses and party:


KANE COUNTY DIVISION OF TRANSPORTATION
41W011 Burlington Road
Saint Charles, IL 60175
Attn.: Carl Schoedel, P.E., Kane County Engineer

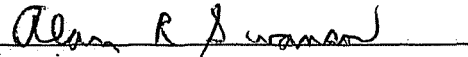
MCDONOUGH ASSOCIATES, INC.
130 East Randolph Street
Chicago, IL 60601
Attn: Feroz Nathani

IN WITNESS WHEREOF, the parties set their hands and seals as of the date first written above.

COUNTY OF KANE

MCDONOUGH ASSOCIATES, INC.


KAREN McCONNAUGHAY
CHAIRMAN, KANE COUNTY BOARD


By: Alan R. Swanson
PRESIDENT
Senior Vice President

ATTEST:

ATTEST:

JOHN A. CUNNINGHAM
KANE COUNTY CLERK

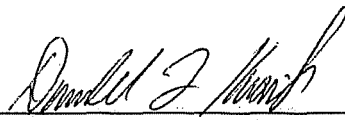

By: DONALD L. KOSIK
SECRETARY
ABST

Exhibit A
Stearns Road - Stage 2
Scope of Work

Phase 2 plan will be prepared in accordance with Chapters 63-66 of the DBE Manual. The plans will follow the concepts and commitments developed in the draft Combined Location Design Report dated November 2006. However McLean Boulevard and Illinois Route 31 will be designed as a staged improvement. The staged improvement lane configuration were developed by Alfred Benesch along with the IDS's for the staged improvements. On McLean Boulevard, south of the railroad bridge the cross section will consist of 2 lanes in each direction with curb and gutter and a 20 foot barrier median. The NB inside lane will be the through lane and the NB outside lane will be striped as a right turn lane. The SB inside lane will be striped as a Left turn lane and the SB outside lane will be striped as a right turn lane. The lane cross section will continue north to station 813 +00 North of Station 813 + 00 1 lane of traffic in each direction with a barrier median or painted median/left turn lane will be constructed with 12 outside shoulders with ditches. On Illinois Route 31 the staged improvement calls for a single left turn lane instead of a double left turn lane. Prior to begin plan preparation the consultant will investigate the possibility of downscoping the improvements on Illinois 31 to widening and resurfacing rather than reconstruction. Plans will be prepared on the old 24 X 36 base sheets. The new 22 X 34 plan sheet layout will NOT be used. The following assumptions regarding work are noted;

1. Illinois Route 31 will be staged Constructed. McLean Blvd will be closed and traffic detoured. Sugar Ridge Drainage Ditch will be relocated due to the temporary railroad runaround. The Railroad Runaround will be built early in the project prior to closing McLean Blvd. Therefore the RR runaround
2. Will include a temporary trestle.
3. Access to properties will be maintained with temporary aggregate including Lancaster Circle.
4. Wetlands are located within the project.
Project will have one construction contract. No separate Grading contract or beam fabrication
5. contract will be split out.
6. Pavement Design for McLean Blvd and Ill 31 will be determined by McDonough & approved by IDOT
7. Pavement Design for Stearns Road will be provided by others.
All ROW will be completed by the County. McDonough will provide input on ROW questions when
8. Requested.
9. All box culverts & headwalls will be cast in place.
10. Soils Profile obtained from our Geotechnical consultant will be inserted into the plans.
11. PE III hours are included in this contract
Drainage MH based on the drainage design completed in Phase 1 is complete and accurate. The
12. Phase II effort will consist of review and concurrence of the Phase 1 drainage design.
In locations where the interim project will be constructed, the detention pond and main-drain will
13. sized for the ultimate roadway configuration.
14. Bridge design MH represent total design for all bridges and retaining walls.
15. Brridge design does not include hours for the boardwalk structure in the McLean Blvd Fen.

Our hours are broken down by task on the attached pages.

1. Review of Phase 1 Documents- This will consist of the Draft Project Report, Draft EIS, Draft LDS, Geotechnical Report, ROW Plans, VE Report and Microfilm Plans. Hours shall consist of the review of one draft Phase 1 report and one Final Report.
2. Cover Sheet- The cover sheet will be prepared in accordance with Chapter 63-4.02
3. Highway Standards, Index of Sheets, Plan Notes, Commitment- This sheets will be in accordance with Chapter 63-4.03
4. Summary of Quantities- This sheets will be in accordance with and include all the information specified in Chapter 63-4.04. The project website will be checked for similar pay items before a new item is created. McDonough Associates will participate in any meetings or periodic conferences to discuss pay items for the corridor.
5. Typical Sections- Typical Sections will include all the information specified in Chapters 63-4.05 All existing typical sections will be grouped together and all proposed sections will be grouped together. On McLean Blvd, there will be approximately 2 existing sections. One for the 3 lane section and one for the 2 lane section. On Illinois 31, there will be approximately 2 existing sections. One for the 3 lane section and one for the 2 lane section. There will also be section each for the CNIC railroad and for new Stearns Road. There will be approximately 11 typical sections, 5 for McLean Boulevard (5 on the tangent sections due to the different pavement widths or median configurations), 4 for Illinois 31 (2 on the normal crown sections due to different pavement widths or median configurations and 2 on curved sections due to different pavement widths and median configuration). Lastly 1 section each will be needed for Stearns Road and one at the CNIC Railroad.
6. Schedule of Quantities- These sheets will include all the information/quantities recommended in Chapter 63-4.04(d)
7. Alignment, Ties and Benchmarks- these sheets will be in accordance with and include all the information specified in Chapter 63-4.06. A double window format will be used at 1"=50' scale such that +/- 3000 feet will fit onto one sheet.
8. Removal- These sheets will not be needed as a 3 window format will be used.
9. Plan and Profile- These will be prepared in accordance and include the information specified in Chapter 63-4.07. 7 sheets are required. See the spreadsheet for a breakdown. This includes 2 sheets for the railroad runaround. The railroad runaround alignment that was developed by Alfred Bensch will be checked and will be coordinated with the railroad. Geometry will be developed for the interim project and we will coordinate the approval of geometry with the County, IDOT and FHWA. Intersection Design Studies will be developed for the interim project and we will coordinate the approval of geometry with the County, IDOT and FHWA.
10. Maintenance of Traffic- A 1'-100' scale conceptual staging plan for the project will be developed utilizing the MOT concept developed in Phase 1 as a starting point. The conceptual staging plan will define, Lane widths, number of stages, number of sub-stages, temporary pavement requirements, temporary traffic signal needs, determine lane configurations over winter if construction duration is over 1 year. This plan will be used by Benesch and the County to develop a corridor wide maintenance traffic plan. It is assumed that 2 revisions will be required based on staging needs for the corridor and the projects on either side of Stage 2.

- Plan efforts will consist of preparation of typical staging sections. It is assumed that McLean Boulevard will be closed to traffic to construct the railroad bridge and the roadway. The roadway will then be reopened to traffic (one lane in each direction) for the remainder of construction. The other 2 lanes will be closed to traffic with barrier wall and set aside for use by construction traffic. Ill Route 31 will be built ½ at time utilizing stage construction and temporary. 5 typical staging sections are estimated for staging.
 - 2 sheets will be required for the detour plan (1 for each frontage road)
11. Erosion and Sediment Control- These sheets will be prepared by our sub-consultant utilizing the IDOT standards for erosion Control as well as any common details developed for the corridor. McDonough Associates will prepare base sheets for their use. See the write up by SCI for further explanation.
 12. Drainage and Utility- These plans will be prepared by our sub consultant. However, McDonough Associates will provide the base sheets. McDonough Associates along with our sub consultant attend all Drainage Corridor Coordination meetings and provide the information outlined in the Corridor Scope Document dated November 27, 2007 prepared by the County.
 13. Right of Way Plans- These sheets will be provided by Kane County and inserted into the contract plans as specified in Chapter 63-4.11. 7 sheets are assumed.
 14. Geotechnical Plans- McDonough Associates will prepare the base sheets to the Geotechnical Consultant in order for them to provide a soils profile. The soils profile will then be included in the contract plans
 15. Intersection Plans- These 1"= 20' sheets will show the pavement joint layout for the intersection as well as provide spot elevation every 10 feet along each joint There are 2 intersections.
 16. Traffic Signal Plans- Traffic signals plans will be prepared for the intersection of McLean Boulevard and Stearns road. This will be a stand-alone signal and not interconnected to any other signals. The design will include a temporary traffic signal. Traffic signals plans will also be prepared for the intersection of McLean Boulevard and Illinois Route 31. This will be a stand-alone signal and not interconnected to any other signals. The design will include a temporary traffic signal.
 17. Pavement Marking Plans. These sheets will be prepared and include the information specified in Chapter 63-4.13 A double window format will be used.
 18. Landscaping Plans-. These sheets will be prepared by our sub-consultant and include the information specified in Chapter 63. A double window format will be used.
 19. Parking Lot Plan- McDonough Associates will prepare plans for a 10-20 lot Parking lot near the McLean Blvd Fen. The conceptual design shown on Exhibit 4 of the Environmental Visioning Document.
 20. Structure Plan- Double Box-2 locations- see separate breakdown. Hours also include the design of 1 junction chamber.
 21. Trail Plans- These 1"=50' scale sheets will be prepared to show the McLean Blvd trail. The trail will be 10 ft in width. The trail shown in the Visioning document is approximately 8000 feet in length. The trail will be designed to "snake" around trees. The work will include development of a profile, as none is available. A two-window format will be used showing a proposed plan with accompanying profile.

22. Lighting Plans- Lighting is required along McLean Blvd. Transition Lighting will be needed along Illinois Route 31 and along new Stearns Road. Lighting Plans will be prepared in accordance with IDOT District 1 Bureau of Electrical Operations Guidelines.
23. Structure Plans- 4 total- 2 retaining walls, 1 Railroad bridge, and 1 temporary trestle. See separate breakdown.
24. Wetland Plans – by sub-consultant
25. Interstate signing-not required.
26. Roadway Details- A list of anticipated details is include in the manhour spreadsheet. The project website will be checked for similar details before a new detail is prepared.
27. Drainage Details- A list of the anticipated detail sis included in the manhour spreadsheet. The project website will be checked for similar details before a new detail is prepared.
28. CADD Details- 10 details from IDOT standards list are assumed to apply to this project.
29. Cross Sections- Cross sections will be provide as specified in Chapter 63-4.16. The number of cross sections and half sections are indicated on the spreadsheet. 2 additional cross sections are needed at the crossroad culverts.
30. Cross sections Sidroads- No Side roads on the project.
31. Special Provisions- Special provisions will be submitted with the preliminary, prefinal, and Final Plans. 3 disciplines are involved in the project, therefore the Special Provisions will be a large document. The project website will be checked for similar special provisions before a new spec is drafted.
32. Deliverables/Permits/Utility Permits- A list of potential Utility conflicts will be submitted with the Preliminary plans. The list will be update for the Prefinal Plan submittal. The list will be finalized for the Final Plan submittal based on information and coordination taken place with the Utility companies. This will be included in the Special Provisions. McDonough Associate's sub-consultant will prepare the USACOE 404 permit application and attachments that is needed for the project and send it to the Corp. McDonough Associates will also prepare the Compensatory storage permit. Lastly McDonough Associates will review utility relocation permits submitted to IDOT to insure the Utility is relocated to a location free of conflicts. It assumed that 4 utilities would submit permits for relocation to IDOT for review.
33. Field Checks- the number field checks and number of people attending are noted in the spreadsheet.
34. Meetings- the number of meetings and the number of people attending are noted in the Spreadsheet.
35. QA/QC- All plans will undergo a QA/QC review prior to submittal.
36. Phase 3 – We will provide assistance during Construction as determined by IDOT on an as needed basis.
37. Surveying- This task will be completed by our sub-consultant.
38. SUE Coordination- SUE is not involved in this project.
39. Administration- Standard duties.
40. Estimate of Time- The form is required as part of the Final PS & E documents. It will also be modify into a bar chart and be used as a plan sheet.

41. Estimate of Cost- McDonough will provide an estimate of cost at the Preliminary, Prefinal, and Final Plan level of completion. Lump sum cost will be provided for those items not in the Summary of Quantity.

**Kane County Division of Transportation
Stearns Road Corridor
Corridor Coordination**

**Scope of Work
November 27, 2007**

Benesch will be providing support to the County for coordination on various issues for the Stearns Road design contracts. It is intended that these tasks will apply to stages 1 through 5 and will include the following specific items:

1. **Lead the corridor MOT planning effort.** Benesch will assist the County in developing a corridor wide maintenance of traffic concept plan for implementation by the corridor design consultants that addresses the various contracts occurring simultaneously. Benesch will host a series of three work sessions leading the effort to coordinate the phasing and staging for each of the design consultant sections. Benesch will then prepare a series of MOT staging exhibits and written procedures document for use by all consultants in completing their MOT plans for each of their design contracts. This will also be submitted to IDOT for their review and concurrence on a corridor wide basis early in the process prior to plan submittal reviews. An overall master schedule of the contracts will also be developed to provide the County and IDOT with a compiled schedule of the five stages. This will require submission of contract schedules from each design consultant.
2. **Develop and distribute design standards, standard pay item lists, standard details and special provisions.** To minimize duplication of effort along the corridor, Benesch will assist the County in developing lists of standard pay items, standardized special provisions, standard details and design standards for use by the corridor design consultants. This item will include the preparation and posting of design standards on the document management web site for ongoing access to the data. To consolidate effort on IDOT's behalf, Benesch will coordinate with IDOT to establish the fund codes for each design section and will include these in the pay item standardized lists. Benesch will complete this task in conjunction with the County by conducting two in-person meetings among the design consultants and then hosting periodic conference calls to provide consistency and standardization of issues along the corridor.
3. **Attend IDOT/FHWA Meetings.** Continue to attend IDOT and FHWA coordination meetings with the County. This will allow Benesch to serve as the design consultant liaison to the agency and to provide continuity from Phase I to Phase II in agency participation. This will include preparation and distribution of the minutes, updates on corridor issues such as pay items, MOT, etc. Consultants will provide updates and requests to the County/and or Benesch for follow up at these meetings.
4. **Coordinate corridor wide drainage.** Since the Location Drainage Study was completed for the ultimate build-out across the entire corridor, stage by stage

adjustments will be required to accommodate the reduced scope design and to coordinate drainage design across contracts. Benesch will lead two coordination meetings with the drainage leads from each consultant to coordinate the transitions between contracts on the corridor. Summary tables of information such as time of concentration, release rates, etc. among the ponds will be prepared and posted on the web site for use by all consultants. Upon completion of design contracts, Benesch will collect the permit plans for each stage and submit them on behalf of the design consultants to Kane County Stormwater and IDOT DWR. The individual consultants will be responsible for the engineering for their specific stage. Corps of Engineers permits for each stage will be submitted by the individual consultants as well.

5. Geometric/Alignment Check By Stage

This task will include a stage by stage check of the design alignments to ensure that the project transitions are correct throughout the corridor. This will include a check of alignments and ties, match line details, and plan and profile for continuity and conformance with the Project Development Report. Consultants will provide .gpk files, alignment and tie sheets and match line details at project transitions.



Average Hourly Project Rates

Route Stearns Road
 Section Stage 2
 County Kane
 Job No. _____
 PTB/Item 999/99

Consultant McDonough Associates

Date 12/07/07

Sheet 1 OF 1

Payroll Classification	Avg Hourly Rates	Total Project Rates			Roadway Plans			Structure Plans			QA/QC			Phase 3 Coordination			Lighting Plans		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Civil Project Manager	70.00	420	3.92%	2.75	300	5.39%	3.77				75	36.59%	25.61	45	37.50%	26.25			
Civil Project Engineer	54.25	675	6.31%	3.42	590	10.60%	5.75				40	19.51%	10.59	45	37.50%	20.34			
Civil Senior Engineer	50.12	650	6.07%	3.04	650	11.88%	5.85												
Civil Engineer	44.18	800	7.47%	3.30	800	14.38%	6.35												
Civil Junior Engineer	34.85	740	6.91%	2.41	740	13.30%	4.64												
Structural Project Manager	65.39	200	1.87%	1.22				120	2.79%	1.82	60	29.27%	19.14	20	16.67%	10.90			
Structural Project Engineer	57.46	380	3.55%	2.04				340	7.90%	4.54	30	14.63%	8.41	10	8.33%	4.79			
Structural Senior Engineer	51.67	660	6.17%	3.19				660	15.34%	7.93									
Structural Engineer	45.99	390	3.64%	1.68				390	9.07%	4.17									
Structural Junior Engineer	32.40	348	3.25%	1.05				348	8.09%	2.62									
Electrical Project Manager	60.63	20	0.19%	0.11													20	3.89%	2.36
Electrical Project Engineer	47.03	45	0.42%	0.20													45	8.75%	4.12
Electrical Senior Engineer	44.55	0																	
Electrical Engineer	39.87	109	1.02%	0.41													109	21.21%	8.46
Electrical Junior Engineer	25.82	100	0.93%	0.24													100	19.46%	5.02
Environmental Project Manager	64.68	0																	
Environmental Project Engineer	62.78	0																	
Environmental Senior Engineer	54.81	0																	
Environmental Engineer	47.33	0																	
Senior Technician/Drafter	39.94	2572	24.03%	9.60	1122	20.17%	8.05	1450	33.71%	13.46									
Technician/Drafter	30.63	1651	15.42%	4.72	787	14.14%	4.33	714	16.60%	5.08							150	29.18%	8.94
Junior Technician Drafter	25.19	710	6.63%	1.67	420	7.55%	1.90	200	4.65%	1.17							90	17.51%	4.41
Clerical	25.63	100	0.93%	0.24	70	1.26%	0.32	30	0.70%	0.18									
Part Time/Interin	23.26	0																	
Principal	70.00	60	0.56%	0.39	50	0.90%	0.63	10	0.23%	0.16									
Administration	36.08	75	0.70%	0.25	35	0.63%	0.23	40	0.93%	0.34									
		0																	
		0																	
		0																	
		0																	
TOTALS		10705	100%	\$41.93	5564	100%	\$41.84	4302	100%	\$41.48	205	100%	\$63.74	120	100%	\$62.28	514	100%	\$33.30



**Illinois Department
of Transportation**

Payroll Rates

FIRM NAME McDonough Associates DATE 12/07/07
PRIME/SUPPLEMENT Prime
PTB NO. 999/99

ESCALATION FACTOR 1.25%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
Civil Project Manager	\$69.94	\$70.00
Civil Project Engineer	\$53.58	\$54.25
Civil Senior Engineer	\$49.50	\$50.12
Civil Engineer	\$43.63	\$44.18
Civil Junior Engineer	\$34.42	\$34.85
Structural Project Manager	\$64.58	\$65.39
Structural Project Engineer	\$56.75	\$57.46
Structural Senior Engineer	\$51.03	\$51.67
Structural Engineer	\$45.42	\$45.99
Structural Junior Engineer	\$32.00	\$32.40
Electrical Project Manager	\$59.88	\$60.63
Electrical Project Engineer	\$46.45	\$47.03
Electrical Senior Engineer	\$44.00	\$44.55
Electrical Engineer	\$39.38	\$39.87
Electrical Junior Engineer	\$25.50	\$25.82
Environmental Project Mana	\$63.88	\$64.68
Environmental Project Engir	\$62.00	\$62.78
Environmental Senior Engin	\$54.13	\$54.81
Environmental Engineer	\$46.75	\$47.33
Senior Technician/Drafter	\$39.45	\$39.94
Technician/Drafter	\$30.25	\$30.63
Junior Technician Drafter	\$24.88	\$25.19
Clerical	\$25.31	\$25.63
Part Time/Interin	\$22.97	\$23.26
Principal	\$91.25	\$70.00
Administration	\$35.63	\$36.08
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00

PHASE II - DIRECT COST SUMMARY

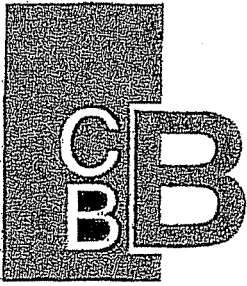
IN-HOUSE DIRECT COSTS

ROUTE Stearns Road - Stage 2
 SECTION _____
 COUNTY KANE
 PTB / ITEM _____
 FILE NO. _____

Description	Unit	District Estimated Quantity	Consultant Estimated Quantity	Negotiated Quantity	Unit Cost	Consultant Estimated Cost	Negotiated Total Cost	
							0	
Mileage	Mile		3200		\$ 0.36	\$ 1,152.00	0	40 round-trips at 80 miles
Full Size Topo Sets	Each						0	
Full Size Prints - Preliminary Sets	Each		3105		\$ 0.90	\$ 2,794.50	0	15 sets of 207
1/4 Size Prints - Preliminary Sets	Each		2070		\$ 0.23	\$ 465.75	0	10 sets of 207
Full size Prints - Pre-final Sets	Each		3105		\$ 0.90	\$ 2,794.50	0	15 sets of 207
1/4 Size Prints - Pre-final Sets	Each		2070		\$ 0.23	\$ 465.75	0	10 sets of 207
Full Size - Prints - Final Sets	Each		3105		\$ 0.90	\$ 2,794.50	0	15 sets of 207
1/4 Size Prints - Final Sets	Each		2070		\$ 0.23	\$ 465.75	0	10 sets of 207
Full Size Mylars - Final	Each		207		\$ 15.00	\$ 3,105.00	0	1 set of 207
Specifications	Each		3600		\$ 0.10	\$ 360.00		30 sets of 120 sheets
Copying	Each		2000		\$ 0.10	\$ 200.00	0	
CADD	Hour		2800		\$ 15.00	\$ 42,000.00	0	35% of drawing hours
Phone/Fax	Month						0	
Mail/Parcel	Lump Sum		1		\$ 500.00	\$ 500.00	0	
Per Diem	Days						0	
Accommodations	Days						0	
Field Supplies	Each						0	
							0	
							0	
							0	
							0	
TOTAL						\$ 57,097.75	0	

APPROVED: _____

DATE: _____



CHRISTOPHER B. BURKE ENGINEERING WEST, LTD.

116 West Main Street • Suite 201 • St. Charles, Illinois 60174-1854 • TEL (630) 443-7755 • FAX (630) 443-0533

December 7, 2007

Mr. Feroz Nathani, P.E.
McDonough Associates, Inc.
130 East Randolph, Suite 1000
Chicago, IL 60601

Subject: Proposal for Professional Engineering and Environmental Services
for Stearns Road Stage 2 – McLean Blvd & IL Route 31
(CBBEWL Project No. 07-996)

Mr. Nathani;

Christopher B. Burke Engineering West, Ltd. (CBBEWL) is pleased to provide this proposal to perform professional engineering and environmental services related to the Preliminary, Pre-Final, and Final Engineering of Stearns Road Stage 2, Kane County, IL. Included below are our Scope of Services and Estimate of Fee. We have attached our General Terms and Conditions as well as the Cost Estimate of Consultant Services (CECS).

SCOPE OF SERVICES

LOCATION DRAINAGE STUDY ADDENDUM

The Location Drainage Study Addendum (LDS) will require various updates and coordination with oversight agencies. CBBEWL will update relevant portions of report based on the accepted Value Engineering recommendations. The proposed drainage plans will be updated to include the interim drainage conditions on McLean Boulevard and the drainage area tributary to the McLean Boulevard storm sewer, as well as the detention requirements for the parking lot for the Fen site. The LDS addendum will also include finalizing detention pond configurations and locations since this was open to negotiations with adjacent landowners at the time of Phase 1 design approval.

Review Existing LDS	24
Revise LDS Components	198
Submittal Preparation	<u>35</u>
Sub-total	257

TEMPORARY DRAINAGE PLANS

We will prepare temporary drainage plans to account for CC&P Railroad runaround including the temporary relocation of Sugar Ridge Drainage Ditch, extension of cross culverts, and crossing drainage modifications.

Drainage Calculations	36
Drainage Plan Preparation (2 Sheets)	<u>100</u>
Sub-Total	136

DRAINAGE DESIGN

Stearns Road and a portion of McLean Boulevard will be designed as urban sections with curb and gutter. Inlet spacing and storm sewer design will be determined and designed for the urban sections. A portion of McLean Boulevard and IL Route 31 will be designed with a rural cross section including the design of appropriate ditches, storm sewer, and cross culverts. The drainage design will comply with the Kane County Stormwater Ordinance, IDOT Drainage Manual, and the Village of South Elgin stormwater requirements. The more stringent regulations shall apply. It is assumed that no utility modification will be included within the plans. Hydraulic calculations will include:

Design of storm sewer system: The storm sewer system will be designed to drain tributary area to Mclean Boulevard and IL Route 31 in the final proposed condition. The drainage calculations will also include drainage from Stearns Road from areas outside Stage 2.

Ditch Calculations: Proposed and temporary ditches along Mclean Boulevard, IL Route 31, and Stearns Road will be designed in accordance with applicable regulations.

Inlet Spacing Calculations: Inlet spacing will be designed in accordance with the IDOT drainage manual.

The relocation of Sugar Ridge Drainage Ditch will require hydraulic modeling of the relocated Creek to maintain the conveyance through the proposed section, and prohibit the increase in the water surface elevation offsite. Two sets of modeling calculations will be prepared; the first for the temporarily relocated Creek as a result of the railroad runaround, and the second for the relocated Creek to account for the final geometry of Stearns Road. It is assumed additional floodway construction permitting will not be required for this ditch relocation since its drainage area is less than one square mile.

Storm Sewer System Design	220
Ditch Calculations and Design	244
Inlet Spacing Calculations	76
Coordination	<u>20</u>
Sub-total	560

DRAINAGE PLANS, SPECIFICATIONS AND ESTIMATES

We will prepare drainage plans, specs and estimates for Stage 2. We have assumed that there will be six (6) roadway drainage plan and profiles sheets, two (2) Sugar Ridge Ditch

plan and profile sheets, five (5) cross-section sheets (ditch relocation) two (2) detail sheets, and one (1) schedule of quantities

<u>Sheet Title</u>	<u>No. of Sheets</u>	<u>Hrs. per Sheet</u>	<u>Hours</u>
Plan and Profile Sheets	8	24	192
Cross-section Sheets	5	16	80
Details	2	16	32
Schedule of Quantities	1	16	16
Specifications	--	--	20
Cost Estimate	--	--	8
Subtotal	16	--	348
Sub-total		348	

PLAN REVIEW AND DRAINAGE COORDINATION

Coordination and review of the plans will include the following:

Review of typical cross sections, ditch grades, and storm sewer.

Review proposed drainage plan and profile.

Detention design and detention grading plan: CBBEWL will coordinate design of the relocated Sugar Ridge Drainage ditch, the onsite drainage and storm sewer with the proposed Detention Pond #1A (Northeast of the intersection of McLean Boulevard and Illinois Route 31). Required detention volume calculations for the proposed parking lot adjacent to the McLean Boulevard Fen will also be provided. Coordination and design of the required storage will be provided.

Plan Review	50
Coordination	<u>62</u>
Sub-total	112

MGLEAN BOULEVARD FEN GROUNDWATER STUDY

CBBEWL will prepare a groundwater to map the fen recharge zone. This study will consist of installing up to 9 piezometer nests, with each nest including a well in both the shallow and deep groundwater recharge zones which have been identified previously by the Illinois State Geological Survey. We will coordinate the groundwater study with the ISGS and other Technical Advisory Committee members including the Village of South Elgin

Groundwater Monitoring (9 nests x 12 months)	200
Groundwater Report for TAC	40
Coordination with Adaptive Management Plan	<u>40</u>
Sub-total	280

BLACKHAWK FOREST PRESERVE 4F COORDINATION

CBBEWL will prepare an inventory of all trees, 6 inches in diameter and greater for trees all within the provided project boundary for the purpose of establishing any riparian mitigation required and to minimize tree removal during Stage II construction of Illinois Route 31 along Jon Duerr (Blackhawk) Forest Preserve. The trees will be tagged by CBBEWL and located by Dynasty Surveying. We will prepare a summary report, identifying the tree species, diameter, and the general condition and form of all of the inventoried trees. We will coordinate any 4F issues with the Kane County Forest Preserve District in accordance with the current Memorandum of Agreement or as amended.

Tree Inventory & Assessment	40
4F Agency Coordination	<u>40</u>
Sub-total	80

KANE COUNTY STORMWATER PERMITTING

We will prepare a stormwater permit submittal for Kane County. Calculations and engineering documents shall be compiled in a manner consistent with the requirements of the Kane County Stormwater Ordinance, and will be submitted to the Kane County Division of Transportation and its review consultant for review and permitting. Because the detention concepts in Stage 4 and 5 are being redone, there will be a re-evaluation of the stormwater requirements for Stage 2. We will work with the adjacent stages to revise the stormwater management system in Stage 2 to accommodate changes in Stage 4 and 5. We will coordinate with the County and their designated review engineer and will attend meetings and/or make revisions to the permit application as necessary.

Permit Application Preparation	180
Coordination with County staff/consultant	<u>40</u>
Sub-total	220

USACE 404 PERMITTING AND COORDINATION

CBBEWL will coordinate the requirements of the Stearns Road Section 404 Individual Permit. We will work with Kane County and the McDonough Team to see that all general and special conditions of the permit are met. We will coordinate the submittal of plan sets for USACE review and prepare documentation affirming compliance with the permit conditions including the appropriate commitments from the ROD which are a special condition of the permit.

Confirmation of Wetland Impacts	24
Preparation of Final Design Document Submittal	80
Mitigation Compliance Documentation	24
Environmental Commitment Documentation	40
USACE Coordination	<u>40</u>
Sub-total	208

IEPA ANTI-DEGRADATION ANALYSIS AND SECTION 401 REVIEW

We will submit the plans and supporting documentation to IEPA to demonstrate compliance of the project with the Anti-degradation rules and for Section 401 compliance as required by the USACE permit for temporary and permanent impacts to Sugar Ridge Drainage Ditch.

Anti-degradation Analysis Submittal	80
Agency Coordination	<u>20</u>
Sub-total	100

IDNR/OWR PERMITTING

A permit will be required for the Culvert crossing at II Route 31 and McLean Boulevard since the drainage area to this culvert is over one square mile. A permit application will be submitted to IDNR for the proposed culvert.

Permit Submittal Preparation	<u>160</u>
Sub-total	160

IDNR BIOLOGICAL RESOURCES UPDATE

CBBEWL will update the Biological Resource Inventory. Some of the dates of the resource concurrences will expire prior to construction and the inventories must be updated prior to project letting. We will coordinate the relocation of any mussels that have colonized the project site or its downstream zone of influence to a place deemed appropriate by IDNR. We will develop special provisions to be included in the bid documents to see that the commitments made to protect any threatened or endangered mussels. We will incorporate any Incidental Take requirements that arise through the biological surveys into the appropriate permit processes. If as a result of the biological inventory, an Incidental Take Authorization is needed, we will prepare an IDNR-Incidental Take Authorization submittal including a Threatened and Endangered Species Conservation Plan that will include all necessary data for IDNR to issue the public notice for the incidental take, receive comment, and review the plan. We will respond to all written comments at the request of IDNR or the USACE.

Biological Survey Update	40
Mussel Survey	24
Fish Survey	24
Incidental Take Plan Preparation	<u>40</u>
Sub-total	128

LANDSCAPE PLANS

CBBEWL will prepare landscape plans for the work associated with the roadway construction and the stream restoration following relocation. All plans and specifications will be in accordance with KCDOT, IDOT, USACE, and the Kane-DuPage Soil and Water Conservation District. Plans will be submitted at the Preliminary, Pre-Final, and Final stage for review and Bid Documents will be prepared based on the Final Review. It is anticipated that the following sheets and associated manhours will be required:

<u>Sheet Title</u>	<u>No. of Sheets</u>	<u>Hrs. per Sheet</u>	<u>Hours</u>
Landscaping Plans (1"=20' scale)	8	20	160
Landscaping Details	2	16	32
Schedule of Quantities	1	32	32
Specifications	--	--	20
Cost Estimate	--	--	8
Subtotal	11	--	252
Sub-total		252	

SUMMARY OF PROPOSED HOURS BY TASK

Task	Hours	Task Cost *
Location Drainage Study Addendum	257	\$20,234.81
Temporary Drainage Plans	136	\$10,486.54
Drainage Design	560	\$41,504.35
Drainage Plans, Specifications, and Estimates	348	\$28,577.50
Plan Review and Drainage Coordination	112	\$9,556.08
McLean Boulevard Fen Adaptive Management Plan	280	\$19,001.03
Blackhawk Forest Preserve 4F Coordination	80	\$7,197.98
Kane County Stormwater Permitting	220	\$17,871.56
USACE 404 Permitting and Coordination	208	\$20,740.71
IEPA Anti-Degradation Analysis and Section 401 Review	100	\$9,801.62
IDNR / OWR Permitting	160	\$13,640.17
IDNR Biological Resource Updating	128	\$8,861.62
Landscape Plans	252	\$17,134.63
Total Proposed Hours	2,841	\$224,608.60

* The task costs include indirect costs.

We will bill you at the rates specified on the attached CECS spreadsheet and establish our contract in accordance with the attached General Terms and Conditions. These General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services.

If this proposal is acceptable please sign both copies and return one to us as an indication of your acceptance of these terms and as notice to proceed.

Thank you for the opportunity to continue to provide service to you. If you have any questions, please do not hesitate to call.

Very truly yours,



Patrick Kelsey, CPSSc/SC
Vice President

Encl. Schedule of Charges (January 2007)
General Terms and Conditions (June 14, 2005)
CECCS Spreadsheet

THIS PROPOSAL, SCHEDULE OF CHARGES AND GENERAL TERMS AND
CONDITIONS ACCEPTED FOR MCDONOUGH ASSOCIATES, INC.

BY: _____
TITLE: _____
DATE: _____

P:\CBBEL\WEST Projects\2007\07-996\PROPOSAL\PR07996_113007.doc

PAYROLL RATES

FIRM NAME STEARNS ROAD STAGE 2 DATE 12/07/07
 PRIME/SUPPLEMENT _____
 PSB NO. _____

ESCALATION FACTOR 0.00%

CLASSIFICATION	CURRENT RATE	PROPOSED RATE	CALCULATED RATE	DIFF
PRINCIPAL	\$60.00	\$63.00	\$60.00	(\$3.00)
SENIOR ENGINEER	\$55.40	\$58.40	\$55.40	(\$3.00)
ENGINEER V	\$54.00	\$54.00	\$54.00	\$0.00
ENGINEER IV	\$35.51	\$37.51	\$35.51	(\$2.00)
ENGINEER III	\$34.25	\$36.25	\$34.25	(\$2.00)
ENGINEER II	\$24.25	\$26.25	\$24.25	(\$2.00)
SR. ENV. RES. SPEC.	\$51.00	\$53.00	\$51.00	(\$2.00)
ENV. RES. SPEC. III	\$26.56	\$28.56	\$26.56	(\$2.00)
ENV. RES. SPEC. II	\$20.00	\$22.00	\$20.00	(\$2.00)
ENV. RES. TECH.	\$18.75	\$20.75	\$18.75	(\$2.00)
LAND SURVEYING MANAG	\$45.50	\$45.50	\$45.50	\$0.00
SR. PROJECT SURVEYOR	\$38.50	\$38.50	\$38.50	\$0.00
PROJECT SURVEYOR	\$26.56	\$26.56	\$26.56	\$0.00
STAFF SURVEYOR	\$18.90	\$18.90	\$18.90	\$0.00
SEN. ENG. TECH.	\$30.50	\$32.50	\$30.50	(\$2.00)
ENG. TECH. III	\$33.00	\$35.00	\$33.00	(\$2.00)
ENG. TECH. I	\$20.80	\$22.80	\$20.80	(\$2.00)
WORD PROCESSOR	\$19.39	\$21.39	\$19.39	(\$2.00)
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00

**COST PLUS FIXED FEE
COST ESTIMATE OF CONSULTANT SERVICES**

DF-824-039
REV 12/04
12/07/07

FIRM

STEARNS ROAD STAGE 2

DATE

PSB

OVERHEAD RATE

1.1645

PRIME/SUPPLEMENT

COMPLEXITY FACTOR

0

DBE DROP BOX	ITEM	MANHOURS	PAYROLL	OVERHEAD & FRINGE BENF	IN-HOUSE DIRECT COSTS	FIXED FEE	Outside Direct Costs	SERVICES BY OTHERS	DBE TOTAL	TOTAL	% OF GRAND TOTAL
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(B-G)	
	Location Drainage Study	257	7,786.47	9,067.34	500.00	2,880.99				20,234.81	9.01%
	Temporary Drainage Plan	136	3,940.24	4,588.41	500.00	1,457.89				10,486.54	4.67%
	Drainage Design	560	15,981.20	18,610.11	1,000.00	5,913.04				41,504.35	18.48%
	Drainage Plans, Specs & Plan Review & Drainage	348	11,275.40	13,130.20		4,171.90				28,577.50	12.72%
	McLean Blvd Fen Ground	112	3,770.40	4,390.63		1,395.05				9,556.08	4.25%
	McLean Blvd Fen Ground	280	7,102.40	8,270.74	1,000.00	2,627.89				19,001.03	8.46%
	Blackhawk FP 4f	80	2,840.00	3,307.18		1,050.80				7,197.98	3.20%
	Kane Co. Stormwater Per	220	6,854.04	7,981.53	500.00	2,535.99				17,871.56	7.96%
	USACE Permit & Coordin	208	7,788.80	9,070.06	1,000.00	2,881.86				20,740.71	9.23%
	IEPA Anti-Deg & 401 Cer	100	3,670.00	4,273.72	500.00	1,357.90				9,801.62	4.36%
	INDR-OWR Permitting	160	5,184.52	6,037.37	500.00	1,918.27				13,640.17	6.07%
	INDNR Biological Res Up	128	3,299.12	3,841.83	500.00	1,220.67				8,861.62	3.95%
	Landscape Plans	252	6,366.00	7,413.21	1,000.00	2,355.42				17,134.63	7.63%
	Subconsultant DL					0.00					
	TOTALS	2841	85,858.59	99,982.33	7,000.00	31,767.68	0.00	0.00	0.00	224,608.60	100.00%

DBE 0.00%

AVERAGE HOURLY PROJECT RATES

RM
SB
TIME/SUPPLEMENT

STEARNS ROAD STAGE 2

DATE 12/07/07

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Location Drainage Study			Temporary Drianage Plan			Drainage Design			Drainage Plans, Specs & Est.			Plan Review & Drainage		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
PRINCIPAL	60.00	38	1.34%	0.80	10	3.89%	2.33				16			8	2.30%	1.38	12	10.71%	6.43
SENIOR ENGINEER	55.40	0																	
ENGINEER V	54.00	0																	
ENGINEER IV	35.51	348	12.25%	4.35	60	23.35%	8.29	24	17.65%	6.27	120	21.43%	7.61	40	11.49%	4.08	40	35.71%	12.68
ENGINEER III	34.25	40	1.41%	0.48															
ENGINEER II	24.25	711	25.03%	6.07	115	44.75%	10.85	48	35.29%	8.56	320	57.14%	13.86	60	17.24%	4.18	40	35.71%	8.66
ENV. RES. SPEC.	51.00	252	8.87%	4.52				4	2.94%	1.50									
IV. RES. SPEC. III	26.56	144	5.07%	1.35															
IV. RES. SPEC. II	20.00	506	17.81%	3.56				20	14.71%	2.94									
IV. RES. TECH.	18.75	0																	
LAND SURVEYING	45.50	0																	
PROJECT SURVEY	38.50	0																	
PROJECT SURVEY	26.56	0																	
STAFF SURVEYOR	18.90	0																	
CIV. ENG. TECH.	30.50	0																	
IG. TECH. III	33.00	754	26.54%	8.76	64	24.90%	8.22	40	29.41%	9.71	120	21.43%	7.07	240	68.97%	22.76	20	17.86%	5.89
IG. TECH. I	20.80	0																	
ORD PROCESSOR	19.39	48	1.69%	0.33	8	3.11%	0.60												
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
TOTALS		2841	100%	\$30.22	257	100.00%	\$30.30	136	100%	\$28.97	560	100%	\$28.54	348	100%	\$32.40	112	100%	\$33.66

AVERAGE HOURLY PROJECT RATES

RM
 SB
 TIME/SUPPLEMENT

DATE 12/07/07

SHEET 2 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	McLean Blvd Fen Groundwater			Blackhawk FP 4f			Kane Co. Stormwater Permit			USACE Permit & Coordination			EPA Anti-Deg & 401 Cert			INDR-OWR Permitting		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
PRINCIPAL	60.00							4	1.82%	1.09							4	2.50%	1.50
SENIOR ENGINEER	55.40																		
ENGINEER V	54.00																		
ENGINEER IV	35.51							24	10.91%	3.87							40	25.00%	8.88
ENGINEER III	34.25																40	25.00%	8.56
ENGINEER II	24.25							60	27.27%	6.61				40	40.00%	9.70	28	17.50%	4.24
ENV. RES. SPEC. II	51.00	40	14.29%	7.29	40	50.00%	25.50	24	10.91%	5.56	80	38.46%	19.62	40	40.00%	20.40			
ENV. RES. SPEC. III	26.56	40	14.29%	3.79				24	10.91%	2.90	80	38.46%	10.22						
ENV. RES. SPEC. III	20.00	200	71.43%	14.29	40	50.00%	10.00												
ENV. RES. TECH. III	18.75																		
LAND SURVEYING	45.50																		
PROJECT SURVEYOR	38.50																		
PROJECT SURVEYOR	26.56																		
PROJECT SURVEYOR	18.90																		
EN. ENG. TECH. III	30.50																		
EN. ENG. TECH. III	33.00							60	27.27%	9.00	48	23.08%	7.62	20	20.00%	6.60	40	25.00%	8.25
EN. ENG. TECH. I	20.80																		
ORD PROCESSOR	19.39							24	10.91%	2.12							8	5.00%	0.97
TOTALS		280	100%	\$25.37	80	100%	\$35.50	220	100%	\$31.15	208	100%	\$37.45	100	100%	\$36.70	160	100%	\$32.4

AVERAGE HOURLY PROJECT RATES

IRM SB TIME/SUPPLEMENT STEARNS ROAD STAGE 2

DATE 12/07/07

SHEET 3 OF 5

Table with columns: PAYROLL, AVG HOURLY RATES, INDNR Biological Res Update, Landscape Plans, and multiple columns for Hours, % Part, and Wgtd Avg.

December 5, 2007

Mr. Richard Young, P.E.
McDonough Associates, Inc.
130 East Randolph Street, Suite 1000
Chicago, IL 60601

Reference: **McLean Boulevard & IL Route 31**
South Elgin, Kane County, Illinois

Subject: Cost Estimate for Geotechnical Engineering Services
WEI Proposal No. P071113

Dear Mr. Young:

Wang Engineering, Inc. (WEI) is pleased to submit this proposal for geotechnical investigations and engineering services to support the design of the proposed McLean Boulevard and IL Route 31 improvements in Kane County, Illinois. The limits for McLean Boulevard extend from approximate Station 800+00 to approximate Station 834+50 and for IL Route 31 from approximate Station 290+00 to approximate Station 313+00. Based on this project understanding and discussion with McDonough Associates, Inc. (MAI), the following describes our geotechnical services, as well as our proposed scope of work and cost estimate.

Scope of Work:

The purpose of our geotechnical investigations will be to determine the soil and groundwater conditions, perform geotechnical engineering analyses, and provide recommendations for the design and construction of the roadways. WEI will perform soil borings, laboratory testing, engineering analyses, and prepare geotechnical roadway and structure reports as per IDOT procedure/criteria. IDOT 1999 Geotechnical Manual requirements will be followed. We propose the following scope of work. Approximate boring locations are shown on the attached sheets except for the railroad runaround.

- Perform one boring to a depth of 20 feet below ground surface (bgs) for a detention basin proposed on the NE corner of Route 31 and McLean Boulevard (Boring DB-1).
- Perform 4 structure borings to a depth of 30 feet bgs for two culverts (Borings CUL-1 through CUL-4).
- Perform 12 roadway borings for the McLean Boulevard (Borings MB-1 through MB-12) and 8 borings for the Route 31 (Borings 31B-1 through 31B-8) to a depth of 10 feet bgs.

- Perform 8 borings for the railroad runaround to a depth of 20 feet bgs (Borings RR-1 through RR-8).
- Install 9 piezometer nests at McLean Blvd Fen area. Each nest will have piezometer in the upper granular soil unit and one in the lower granular soil unit. The wells in the upper unit will be 15 feet in depth and the lower unit wells will be 30 feet in depth. Each well will be screened for 5 feet at the bottom of the well. All wells will be 2-inch diameter with locking caps and locking cases. This scope of work does not include obtaining groundwater levels and samples; and removal of the piezometers.
- Prepare Structure Geotechnical Report (SGR):
 - For two culverts to comply with the new IDOT geotechnical design criteria and 2006 IDOT Bridge Design Manual. This task will also include engineering analysis such as scouring effect on foundation, lateral load analysis, possibility of down drag loads, embankment stability and special construction considerations.
- Prepare Roadway Geotechnical Report (RGR) for the McLean Boulevard and IL Route 31 roadways and a detention basin to comply with new IDOT geotechnical design criteria/requirements. This will include existing fill stability analysis, subgrade treatment and special construction considerations.
- McLean Blvd. underpass at CC & P RR is not included in our scope of work.

Geotechnical Drilling Services:

WEI will provide equipment, labor, and associated materials to drill and sample borings. The borings will be advanced with hollow stem augers or rotary mud. Soil samples will be collected with split barrel samplers according to AASHTO T 206-87, "Penetration Test and Split-Barrel Sampling of Soils." If necessary, undisturbed soil samples will be collected according to AASHTO T 207-87, "Thin Walled Tube Sampling of Soils." The soil will be sampled in accordance with 1999 IDOT Geotechnical Manual.

Field Supervision:

Before drilling, WEI will layout the borings and clear utilities through JULIE. WEI will also obtain the required permits. The field engineer will monitor drilling activities, maintain daily field notes and the soil boring logs, as well as receive, classify, and prepare soil samples for laboratory analysis. The field engineer will also perform penetrometer and Rimac unconfined compressive strength tests on cohesive soil samples; he will also monitor the groundwater level in boreholes.

Laboratory Testing:

After the completion of the drilling phase, all soil samples will be transported to our in-house laboratory in Lombard, Illinois. The soil-testing program will include natural moisture content, Atterberg limits, particle size analysis, and unconfined compressive strength test if necessary on rock core samples.

Engineering Analyses and Recommendations:

One separate SGR for each culvert will be prepared. Only one RGR will be prepared for both McLean Boulevard and Route 31 roadways and railroad runaround including the detention basin. The reports will include a detailed description of soil and groundwater conditions encountered, field and laboratory testing procedures and results, geotechnical engineering analyses performed, and recommendations and criteria for the design and construction of the proposed construction. The reports will also include site location map, boring location plan, boring logs, and soil profiles. The boring logs will also be provided in Microstation format to be included with the contract plans.

Scheduling:

WEI will start the project expediently upon receiving written authorization to proceed. We estimate that the field work would require 15 working days for completion after utilities clearance, permitting, and access agreements. The laboratory tests would be performed concurrent with the field investigation and would extend two weeks after the completion of field work. The geotechnical reports would be provided three weeks after the completion of laboratory program. WEI will expedite the project to our fullest means to meet your submittal deadlines.

Assumptions:

The cost estimate was prepared assuming the following conditions.

1. It is our understanding that MAI or the Kane County will send letter to the properties owners informing about our work and provide us access approval to enter the property,
2. MAI will assist WEI in accessing the property,
3. The as drilled boring locations would be surveyed by McDonough or their surveying Subconsultant,
4. Lane closures will be required,
5. WEI standard insurance satisfies the Project/Owner insurance requirements,
6. No hazardous materials will be encountered at any boring location and decontamination of the equipment will not be required for the piezometer installation, and
7. The current prevailing wages for the drilling personnel are reflected in the drilling cost.

If any of the above mentioned assumptions are not confirmed during the execution of the described scope of work in this proposal, additional costs might be incurred.

Estimated Cost:

WEI proposes to provide the above tasks on time and expense basis according to the attached Direct Cost Estimate and CECS forms. WEI will not exceed this upper limit without the MAI approval.

WEI No. P071113
McDonough Associates, Inc.
McLean Blvd; Kane County
December 5, 2007
Page 4 of 4

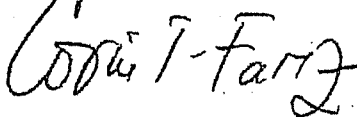
Insurance:

Attached is a sample of our Certificate of Insurance. Additional insurance beyond our standard coverage is not included in our cost estimate and will be considered as reimbursement item.

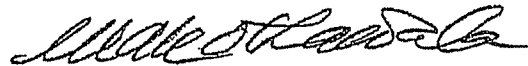
Wang Engineering, Inc. appreciates the opportunity to present this proposal. We look forward to continue our work with McDonough Associates, Inc. and the Kane County on this project. If you have questions or if you require additional information, please contact us at (630) 953-9928.

Sincerely,

WANG ENGINEERING, INC.



Corina T. Farez, P.E., P.G.
Vice President



Mohammed (Mike) A. Kothawala, P.E.
Project Manager

Attachments:

Cost Estimate for Consultant Services
WEI's Certificate of Insurance

AVERAGE HOURLY PROJECT RATES

FIRM
PSB
PRIME/SUPPLEMENT

Wang Engineering, Inc.
Prime

DATE 12/05/07

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Project Management			Subsurface Investigation			Laboratory Tests			Engineering Analyses			Geotechnical Reports		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal-in-Charge	51.97	6	0.90%	0.47	6	20.00%	10.39												
QA/QC Reviewer	24.99	20	2.99%	0.75															
Project Manager	44.53	40	5.97%	2.66	20	66.67%	29.68	6	3.37%	1.50									
Senior Engineer	44.53	56	8.38%	3.72				4	2.25%	1.00	4	20.00%	8.91	16	8.70%	3.87	32	18.82%	8.38
Project Engineer	28.51	144	21.49%	6.13				20	11.24%	3.20	4	20.00%	5.70	56	30.43%	8.68	56	32.94%	9.39
Staff Engineer	26.15	112	16.72%	4.37				24	13.48%	3.53				56	30.43%	7.98	32	18.82%	4.92
Field Engineer	26.15	152	22.69%	5.93				112	62.92%	18.45									
Assistant Staff/Field Engineer	17.13	92	13.73%	2.35				12	6.74%	1.16				48	26.09%	4.47	20	11.76%	2.02
Field/Lab Technician	17.66	20	2.99%	0.53							12	60.00%	10.59	8	4.35%	0.77			
Project Administrative Assistant	21.20	28	4.18%	0.89	4	13.33%	2.83										20	11.76%	2.49
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
		0																	
TOTALS		670	100%	\$27.79	30	100.00%	\$42.90	178	100%	\$26.84	20	100%	\$25.20	184	100%	\$25.74	170	100%	\$29.82

AVERAGE HOURLY PROJECT RATES

FIRM Wang Engineering, Inc.
 PSB
 PRIME/SUPPLEMENT Prime

DATE 12/05/07

SHEET 2 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	QA/QC			Piezometer Installation														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
Principal-In-Charge	51.97																		
QA/QC Reviewer	24.99	18	100.00%	24.99	2	2.86%	0.71												
Project Manager	44.53				4	5.71%	2.54												
Senior Engineer	44.53																		
Project Engineer	28.51				8	11.43%	3.26												
Staff Engineer	26.15																		
Field Engineer	26.15				40	57.14%	14.94												
Assistant Staff/Field	17.13				12	17.14%	2.94												
Field/Lab Technician	17.66																		
Project Administrator	21.20				4	5.71%	1.21												
TOTALS		18	100%	\$24.99	70	100%	\$25.60	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

DIRECT COST ESTIMATE
 GEOTECHNICAL ENGINEERING FOR
 MCLEAN BOULEVARD
 KANE COUNTY, ILLINOIS
 FOR
 MC DONOUGH ASSOCIATES, INC.

WEI Proposal No. P071113
 Date: December 5, 2007

FIELD INVESTIGATIONS

	Units	Unit Price	Extended Cost
Mobilization (Truck Mounted Drill Rig)	0 No.	\$605.00 /Each	\$0.00
Mobilization (ATV Mounted Drill Rig)	2 No.	\$935.00 /Each	\$1,870.00
ATV /Day	13 Day	\$275.00 /Day	\$3,575.00
Stand-By Time Drill Mounted on Truck	0 Hrs.	\$275.00 /Hour	\$0.00
Stand-By Time Drill Mounted on ATV	6 Hrs.	\$275.00 /Hour	\$1,650.00
Support Auxiliary Truck	15 Days	\$100.00 /Day	\$1,500.00
Drilling Coordination and Project Management	0 Hrs.	\$115.00 /Hour	\$0.00
Water Truck to Service Coring	0 Days	\$137.50 /Day	\$0.00

Drilling and Sampling

Roadway Borings

Drilling including split spoon sampling @ 2.0 feet continuous sampling to 10'; 2.5-foot interval thereafter (SPT, Penetrometer, Visual Classification Included)

Continuous Sampling

Normal Hours	280.0 Feet	\$ 24.75 /Foot	\$6,930.00
Restricted Hours (6 Hrs)	0.0 Feet	\$ 29.70 /Foot	\$0.00
Night Hours (8 Hrs)	0.0 Feet	\$ 29.70 /Foot	\$0.00
Between 10 and 30 Feet			
Normal Working Hours	0.0 Feet	\$20.00 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$25.85 /Foot	\$0.00
Night Work	0.0 Feet	\$24.75 /Foot	\$0.00
Between 30 and 50 Feet			
Normal Working Hours	0.0 Feet	\$23.10 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$29.70 /Foot	\$0.00
Night Work	0.0 Feet	\$28.60 /Foot	\$0.00
Between 50 and 75 Feet			
Normal Working Hours	0.0 Feet	\$25.85 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$32.45 /Foot	\$0.00
Night Work	0.0 Feet	\$30.80 /Foot	\$0.00

Structure Borings

Drilling including split spoon sampling at 2.5' sample interval to 30'; 5' sample interval thereafter (SPT, Penetrometer, Rimac, Visual Classification Included)

Between 0 and 30 Feet

Normal Working Hours	220.0 Feet	\$20.00 /Foot	\$4,400.00
Restricted Hours (6 Hrs)	0.0 Feet	\$25.85 /Foot	\$0.00
Night Work	0.0 Feet	\$24.75 /Foot	\$0.00
Between 30 and 50 Feet			
Normal Working Hours	0.0 Feet	\$23.10 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$29.70 /Foot	\$0.00
Night Work	0.0 Feet	\$28.60 /Foot	\$0.00
Between 50 and 75 Feet			
Normal Working Hours	0.0 Feet	\$25.85 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$32.45 /Foot	\$0.00
Night Work	0.0 Feet	\$30.80 /Foot	\$0.00
Between 75 and 100 Feet			
Normal Working Hours	0.0 Feet	\$27.50 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$34.38 /Foot	\$0.00
Night Work	0.0 Feet	\$34.10 /Foot	\$0.00
Between 100 and 125 Feet			
Normal Working Hours	0.0 Feet	\$34.10 /Foot	\$0.00
Restricted Hours (6 Hrs)	0.0 Feet	\$45.35 /Foot	\$0.00
Night Work	0.0 Feet	\$39.22 /Foot	\$0.00

DIRECT COST ESTIMATE
 GEOTECHNICAL ENGINEERING FOR
 MCLEAN BOULEVARD
 KANE COUNTY, ILLINOIS
 FOR
 MC DONOUGH ASSOCIATES, INC.

WEI Proposal No. P071113
 Date: December 6, 2007

Borehole Abandonment and Surface Restoration

Boring Backfilling with Lean Grout for Structure Borings Only

Normal Working Hours	150.0 Feet	\$7.15 /Foot	\$1,072.50
Restricted Hours (6 Hrs)	0.0 Feet	\$8.25 /Foot	\$0.00
Night Work	0.0 Feet	\$8.25 /Foot	\$0.00

Pavement Patching

Asphalt	1 Bags	\$15.00 /Bag	\$15.00
Concrete	0 Bags	\$16.50 /Bag	\$0.00
Patching of Full Deck Coring	0 No.	\$275.00 /Each	\$0.00

Soil Cutting Removal

	6 Hrs.	\$275.00 /Hour	\$1,650.00
--	--------	----------------	------------

Piezometer Installation

Slotted Screen - 10 feet each	18 Each	\$ 18.15 /Each	\$326.34
Riser - 10 feet each	27 Each	\$ 45.32 /Each	\$1,223.64
Riser - 5 feet each	9 Each	\$ 31.72 /Each	\$285.48
Sand Pack	72 Each	\$13.60 /Bag	\$979.20
Locking Pro-Cover	18 Each	\$ 186.95 /Each	\$3,365.10
Concrete	18 Bags	\$ 13.60 /Bag	\$244.80
Bentonite Chips	45 Bags	\$ 14.73 /Bag	\$662.85
Labor	32 Hrs.	\$260.59 /Hour	\$8,338.88

Seismic Wave Measurement	0 No.	\$110.00 /Test	\$0.00
Pore Pressure Dissipation Test	0 No.	\$330.00 /Test	\$0.00

No The pressuremeter, dilatometer, and CPT tests will be billed at cost - the above unit prices are provided for estimating purposes only.

Traffic Control

Shoulder Closure (1/2 mile)

Daytime	0 Each	\$ 660.00 /Each	\$0.00
Night time	0 Each	\$ 770.00 /Each	\$0.00

Lane Closure (1 lane) (1/2 mile)

Daytime	8 Each	\$ 1,155.00 /Each	\$9,240.00
Night time	0 Each	\$ 1,320.00 /Each	\$0.00

Other Probable Project Related Cost

Boring Location Accessibility

Private Utility Determination			\$0.00
Tree Clearance			\$800.00
Guardrail and Fence Removal and Replacement			\$500.00
Dozer Rental			\$800.00

Railroad Fees

Permitting			\$500.00
Railroad Protective Insurance			\$1,500.00
Railroad Flagman	1 Days	\$1,000.00 /Day	\$1,000.00

Cost Estimate for Field Investigations \$52,428.79

LABORATORY TESTING			
	<u>Units</u>	<u>Unit Price</u>	<u>Extended Cost</u>
Natural Moisture Content Determination	252 No.	\$5.75 /Test	\$1,449.00
Atterberg Limit Testing	12 No.	\$60.00 /Test	\$720.00
Specific Gravity Determination	0 No.	\$48.50 /Test	\$0.00
Particle Size Analysis			
Unwashed Sieve Analysis	0 No.	\$52.00 /Test	\$0.00
Washed Sieve Analysis	0 No.	\$60.00 /Test	\$0.00
Combined Sieve and Hydrometer Analysis	15 No.	\$97.50 /Test	\$1,462.50
Organic Content	6 No.	\$50.00 /Test	\$300.00
Cost Estimate for Laboratory Testing			\$3,931.50



Dynasty Group

Engineers & Surveyors

December 7, 2007

Mr. Richard Young, PE
McDonough Associates Inc.
130 East Randolph Street
Suite 1000
Chicago, IL 60601-6214

RE: Cost Proposal for Professional Surveying Services
McLEAN Blvd, Kane County

Dear Mr. Young:

Dynasty Group, Inc. is pleased to submit this revised cost proposal for the above referenced project. We have estimated a total budget of \$28,956.03. Please refer to the attached CECS form for a detail cost breakdown. The proposed fee includes in the following services.

Horizontal and Vertical Controls:

- Research and verify horizontal and vertical controls established previously
- Establish new controls as necessary for pickup work and walk/bike way

Pickup Work

- Perform pickup survey work and prepare base maps as per client direction
- A total for 4 field crew days is budgeted

Walk/Bike Way

- Perform topographic survey of a 20-foot corridor for the design need based on the alignment of Walk/Bike Way (approximately 6000 feet)
- Take cross section at 100-foot intervals
- The elevation accuracy of the this work is to be within one foot (1.0')
- RTK GPS technique will be mostly used for this effort

Should you have any questions or need additional information, please don't hesitate to contact us. Thank you for this opportunity and we look forward to working with you on this project.

Sincerely,

Dynasty Group, Inc.

Zhong Chen, PE, PLS
President

Attachments

Payroll Rates

FIRM NAME Dynasty Group, Inc. DATE 12/07/07
PRIME/SUPPLEMENT Prime
PTB NO. _____

ESCALATION FACTOR 0.00%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
Principal	\$55.34	\$55.34
Administrative	\$21.01	\$21.01
Survey Manager	\$48.71	\$48.71
Crew Chief	\$26.25	\$26.25
Senior Crew Chief	\$35.79	\$35.79
Instrument Person	\$21.06	\$21.06
Rod Person	\$13.75	\$13.75
Senior Engineer	\$38.86	\$38.86
Engineer	\$25.90	\$25.90
Technician	\$23.00	\$23.00
Senior Technician	\$28.00	\$28.00
Land Surveyor	\$55.34	\$55.34

**Cost Estimate of
Consultant Services
(CPFF)**

Firm Dynasty Group, Inc.
 Route McLean Blive
 Section _____
 County Kane
 Job No. _____
 PTB & Item _____

Date 12/07/07

Overhead Rate 124.94%

Complexity Factor 0

DBE Drop Box	Item	Manhours	Payroll	Overhead & Fringe Benefits	In-House Direct Costs	Fixed Fee	Outside Direct Costs	Services By Others	DBE Total	Total	% of Grand Total
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(B+C+D+E+F+G)	(B+C+D+E+F+G)	
DBE	Control Survey (H&V)	40	1,170.90	1,462.92	72.00	417.91			3,123.74	3,123.74	10.79%
DBE	Pickup Survey	92	2,496.26	3,118.83	144.00	889.58			6,648.67	6,648.67	22.96%
DBE	Walk/Bike Way	264	7,179.40	8,969.94	468.00	2,566.29			19,183.63	19,183.63	66.25%
	TOTALS	396	10,846.56	13,551.69	684.00	3,873.78	0.00	0.00	28,956.03	28,956.03	100.00%

DBE 100.00%

In-House Direct Costs

Control Survey (H&V)
 Survey Vehicle 2 days @ \$36.00 per day = \$ 72.00

Pickup Survey
 Survey Vehicle 4 days @ \$36.00 per day = \$ 144.00

Walk/Bike Way
 Survey Vehicle 13 days @ \$36.00 per day = \$ 468.00

Total \$ **684.00**

Average Hourly Project Rates

Route McLean Blvd
 Location _____
 County Kane
 Job No. _____
 B/Item _____

Consultant Dynasty Group, Inc.

Date 12/07/07

Sheet 1 OF 1

Payroll Classification	Avg Hourly Rates	Total Project Rates			Control Survey (H&V)			Pickup Survey			Walk/Bike Way			Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg						
Principal	55.34	8	2.02%	1.12	2	5.00%	2.77	2	2.17%	1.20	4	1.52%	0.84						
Administrative	21.01	0						0			0								
Survey Manager	48.71	8	2.02%	0.98	2	5.00%	2.44	2	2.17%	1.06	4	1.52%	0.74						
Survey Chief	26.25	76	19.19%	5.04	8	20.00%	5.25	16	17.39%	4.57	52	19.70%	5.17						
Senior Crew Chief	35.79	76	19.19%	6.87	8	20.00%	7.16	16	17.39%	6.22	52	19.70%	7.05						
Instrument Person	21.06	152	38.38%	8.08	16	40.00%	8.42	32	34.78%	7.33	104	39.39%	8.30						
Lead Person	13.75	0																	
Senior Engineer	38.86	10	2.53%	0.98	2	5.00%	1.94	0			8	3.03%	1.18						
Engineer	25.90	66	16.67%	4.32	2	5.00%	1.30	24	26.09%	6.76	40	15.15%	3.92						
Technician	23.00	0																	
Senior Technician	28.00	0																	
Lead Surveyor	55.34	0																	
TOTALS		396	100%	\$27.39	40	100%	\$29.27	92	100%	\$27.13	264	100%	\$27.19	0	0%	\$0.00	0	0%	\$0.00



SCI ENGINEERING, INC.

650 PIERCE BOULEVARD
O'FALLON, ILLINOIS 62269
618-624-6969 FAX 618-624-7099
www.sciengineering.com

December 6, 2007

Mr. Richard Young
McDonough Associates, Inc.
130 East Randolph Street, Suite 1000
Chicago, Illinois 60601

CONSULTANTS IN DEVELOPMENT,
DESIGN, AND CONSTRUCTION
GEOTECHNICAL
ENVIRONMENTAL
CULTURAL RESOURCES
NATURAL RESOURCES
CONSTRUCTION SERVICES

RE: Revised Proposal for Consulting Services
New Stearns Road – Stage 2
South Elgin, Kane County, Illinois
SCI No. 2007-3375.30

Dear Mr. Young:

SCI Engineering, Inc. (SCI) is pleased to provide this revised proposal for Natural Resource Services, which includes the preparation of a Stormwater Pollution Prevention Plan, a Restoration and Management Plan for the McLean Boulevard Fen, and coordination with the U.S. Army Corps of Engineers (CE) regarding the existing permit for the above referenced project. This proposal replaces the previous proposal dated November 30, 2007.

PROJECT DESCRIPTION

The project site is located along McLean Boulevard and US Highway 31 in South Elgin, Kane County, Illinois. The project will feature the construction of a new roadway, New Stearns Road, which will require the construction of a 2,500-foot temporary runaround of the railroad bridge. Additionally, the restoration and enhancement of the adjacent McLean Boulevard Fen is included within the project scope.

SCOPE OF SERVICES

Agency Coordination

SCI will review the existing plans and the CE permit for Stage 2 of the New Stearns Road project. Stage 2 is the McLean Boulevard/Illinois Route 31 complex on the west side of the Fox River. According to a telephone conversation between SCI and McDonough Associates, Inc. on November 29, 2007, the Section 404 permit for this project has been issued by the CE. However, coordination with the CE regarding the project as it progresses is required. Details of our services are described below.

- SCI will review the project plans, pertinent sections of the Environmental Impact Statement, and the existing CE permit for the subject project.
- An assessment of impacts will be compiled and compared to your preliminary development plan in order to determine the actual impacts to wetlands or waterbodies, as identified in the CE permit and its conditions.

ST. CHARLES, MISSOURI
O'FALLON, ILLINOIS
ST. LOUIS, MISSOURI
UNION, MISSOURI
SPRINGFIELD, MISSOURI

- Coordination with the CE and the Illinois Environmental Protection Agency (IEPA) will occasionally occur throughout the project in order to review permit compliance.

Restoration and Management Plan – McLean Boulevard FEN

The Kane County Division of Transportation (KCDOT) has committed to the restoration, enhancement, and protection of various environmentally sensitive areas as part of the Record of Decision for the Fox River Bridges Crossings. We further understand that, in conjunction with the Kane County Forest Preserve District (FPD), an Environmental Vision Document was prepared for the environmentally sensitive areas. The Environmental Vision Document provides guidelines for the restoration, enhancement, management and protection of these areas. The McLean Boulevard Fen (a.k.a. Day's Fen) is included as a sensitive area within the Environmental Vision Document.

Among the proposed objectives listed in the Environmental Vision Document to be completed for the McLean Boulevard Fen are:

- Enhance and protect 11.6 acres of predominately fen vegetation
- Restore 36.7 acres of mesic prairie in a savanna mosaic
- Restore 8.5 acres of dry-mesic prairie with an oak/hazel savanna
- Creation of trail destination point, including a 10-20 space parking lot and associated site amenities
- Provide a vegetative screen from adjacent industrial site use

An additional consideration in the overall planning for the McLean Boulevard Fen is the protection of the groundwater recharge area that provides the hydrology for the fen. Fen ecosystems are peat-forming wetlands that typically develop in mineral-laden groundwater seepage areas. We understand that development within the groundwater recharge area of the McLean Boulevard Fen threatens its long-term viability.

SCI proposes to prepare a Restoration and Management Plan for the McLean Boulevard Fen. Our scope of work addresses the restoration and management of the mesic prairie savanna, dry-mesic prairie and oak/hazel savanna, and vegetative screen. Our scope of work does not address the planning of construction details, or other design information relative to the trail system or parking lot. However, we will attempt to work with the FPD to incorporate such design information as may be provided to us in our overall plan.

In developing our project approach, we have considered environmental, recreational, and other factors that may affect the final plan for the fen. Fen wetlands are typically vegetatively diverse, high-quality ecosystems that can provide critical habitat for specific floral and faunal communities. According to the CC&P/Stearns Road Corridor Design Report prepared by Alfred Benesch & Company and dated May 2006, the McLean Boulevard Fen is known to have an occurrence of a state-listed threatened/endangered plant species. In general, fen wetlands are an imperiled ecosystem due to their unique hydrological and geological settings, as well as the historic destruction of wetlands in the United States. In order to prepare recommendations for the restoration and enhancement of the fen, an assessment must be made of its existing condition. Our observations will be used to prepare recommended plant establishment/removal areas, targeted enhancement areas, management and

maintenance strategies, and other pertinent information. Initial observations will also be conducted in the proposed prairie restoration areas in order to garner design information for our recommendations. Finally, we will consider the affect that recreational and educational opportunities, as well as management considerations, may have on the design objectives. We anticipate that our recommendations will be prepared in coordination with both KCDOT and FPD.

Preliminary Research

We propose to conduct a review of available in-house information that may be relative to the project. Our review may include soil maps, aerial photography, National Wetland Inventory Maps, records of species occurrence, and other information that we deem necessary. In addition, we will attempt to find background information specific to the McLean Boulevard Fen from available state, federal, or other agency sources. As a known environmentally sensitive area, these sources may yield existing data relative to species of known occurrence, historic conditions, groundwater recharge and other data that may affect restoration design.

Site Inventory

We propose to conduct a field survey of the 11.6-acre fen; the proposed 36.7-acre mesic prairie savanna restoration area; and the proposed 8.5-acre dry-mesic prairie, oak/hazel savanna area. The intent of our services will be to develop a site assessment of the existing vegetation, observed hydrology, soil condition, topographic setting, and other natural features of the project area. Our proposed site assessment activities will include:

- SCI will conduct a site-wide study to compile information on existing flora. Our study may include dominant plant communities; major species; invasive/undesirable species; high-quality species or other species of concern; and other information we deem appropriate.
- A Floristic Quality Assessment will be calculated based on observed species, to aid in future monitoring of restoration objectives, as necessary for restoration plan approval.
- Soil samples will be collected at various locations throughout the site to aid in restoration planning.
- Observations of existing hydrology will be made.
- Generalized locations of dominant plant communities, rare and unique species and non-native species will be recorded and measured utilizing Global Positioning System (GPS) technology.
- Photographs will be taken at various locations throughout the project site to document the existing conditions.

Agency/Stakeholder Coordination

As a cooperative effort between KCDOT and FPD, some communication may be required with both these agencies as the project evolves. Additional stakeholder groups may also be involved in determining the overall objectives for the project. Coordination with the various entities involved may require written, verbal, or electronic correspondence with these agencies. Additionally, upon request we will attend a meeting within the project for the purpose of presenting our findings, preliminary designs, or other information.

Formal Restoration and Management Plan

SCI will prepare a Restoration and Management Plan for the McLean Boulevard Fen and associated prairie/savanna restoration areas. Our report will be based on the findings of our preliminary research and site inventory, the stated objectives for the project, and feedback provided by KCDOT and FPD. The project goals of preserving remnant natural areas, increasing flora and fauna diversity, paths for pedestrian access, recreation and education will be considered when generating the plan. Our report will include:

- A description of existing conditions, including vegetative communities, species lists, and floral communities
- Photo-documentation of existing conditions
- Recommendations for vegetation enhancement, including proposed methods, species lists, densities, and other information as deemed appropriate
- Appropriate maps, figures, plan views, and planting diagrams
- Recommendations for invasive/undesirable species removal, if deemed appropriate. If necessary, an Integrated Pest Management (IPM) strategy will be prepared for species control.
- Recommendations for habitat improvement, if deemed appropriate. A basic wildlife restoration plan will be prepared to include options for natural and man-made structures that could be used to increase habitat on the site.
- The restoration plan will include discussion of project phasing, based on priority and sound restoration practices.
- Incorporated within the restoration plan will be discussion of success goals that can be anticipated, maintenance that can be expected, and an anticipated long term activity schedule for the site.
- General specification language will be provided that may be useful when bidding the restoration activities to contractors.

Stormwater Pollution Prevention Plan – Erosion Control Plan

SCI will prepare a site-specific Stormwater Pollution Prevention Plan (SWPPP) for the project based on the current grading plan and existing site conditions. The SWPPP will include; a detailed description of the site, site-specific plans that depict the recommended Best Management Practices (BMPs) to be used at specific locations at the subject site, the construction schedule, and inspection and maintenance protocols. The preparation and implementation of the SWPPP is a component of the Illinois Environmental Protection Agency NPDES Permit and Phase II requirements. Please note that the SWPPP is considered a living document and will need to be updated throughout the construction.

SERVICES AND ESTIMATED FEES

We will provide the consulting services for the project as detailed above for the fees shown in Table 1. Recommendations for further investigations or remediation, if necessary, will be included with the reports. Project schedule will be developed based on input from the project civil engineer. Please contact us if you have specific dates that our reports are needed.

Table 1 – Proposed Services and Estimated Fees

Service	Estimated Fee (\$)
Agency Coordination Assessment of impacts, review of existing permit, permit conditions, etc. Documentation submittal to agency	6,800.00
Restoration and Management Plan for McLean Boulevard Fen Background research and review Field work Meetings Design planning and report preparation	30,900.00
SWPPP Preparation Field Work Plan Preparation	14,000.00
Project Management and Coordination	8,000.00
Total	59,700.00

Conditions and Considerations

1. This proposal assumes that McDonough Associates, Inc. will provide SCI with necessary plans, such as existing wetland delineation information, conceptual trail system plans, and project boundaries, contained in CAD files, as well as copies of pertinent sections of the EIS, and the existing CE Section 404 permit. Additionally, any existing research or information regarding the McLean Boulevard Fen that has resulted from earlier stages of the subject project would be beneficial and is requested prior to the initiation of our work.
2. SCI provides no guarantee that the provided recommendations and/or observations will prevent erosion or provide complete stability within the site. Unstabilized soil, either natural or man-made, is dynamic in nature, and will always have the capacity to erode. SCI's site recommendations and plan preparation do not wholly protect KCDOT from potential permit violations. The decision to issue or deny a permit, as well as to issue or not issue permit violations, is the sole authority of the IEPA and the Environment Protection Agency (EPA). Please be aware that the EPA and/or IEPA have the right to perform inspections of your construction site at any time once a permit is issued.
3. Additional services beyond the scope of this proposal should be anticipated. These services might involve more than one meeting to discuss the content and recommendations provided in the report and review of the project plan, or revisions thereof following our submittal of the report. Also, other federal, state, or local agencies may require additional information regarding your project. Our specific involvement in these phases of the project cannot be estimated at this time. Budget estimates can be provided as the scope evolves. We will notify you of the project budget before proceeding with any given phase.

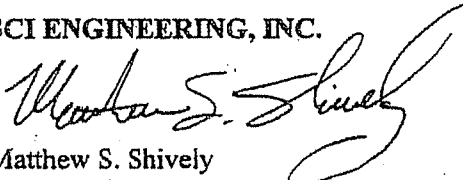
AUTHORIZATION

If the work order outlined herein is acceptable, please provide formal authorization to proceed by completing, signing, and returning the enclosed *Acceptance of Proposal for Professional Services* sheet (a self-addressed, postage-paid envelope is enclosed for your convenience). This sheet provides important information regarding report distribution and invoicing. Formal authorization is necessary prior to initiation of the activities outlined herein. SCI services will be performed for the signatory of the enclosed form, and their lender (if applicable). Written consent must be provided by SCI should anyone other than the client (signatory) wish to excerpt, or rely on, the results of our activities. Our services may be authorized together or separately, depending on the timing of required information.

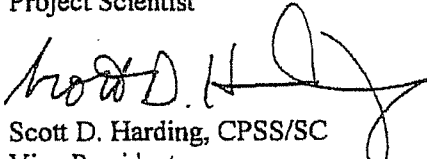
Thank you for the opportunity to submit this proposal. You may reach me at (618) 206-3017 or mshively@sciengineering.com if you have any questions or concerns.

Respectfully,

SCI ENGINEERING, INC.



Matthew S. Shively
Project Scientist



Scott D. Harding, CPSS/SC
Vice President

MSS/SDH/dmh

Enclosures