

DOCUMENT VET SHEET
for
Karen McConnaughay
Chairman, Kane County Board

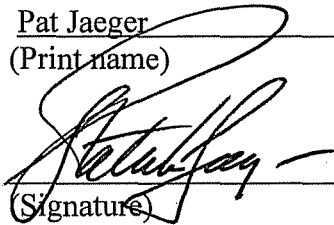
Name of Document: Agreement with EEI for Design and Permitting of the Seavey

Road Salt Storage Facility, Kane County Section #08-00205-01-MG

Submitted by: Linda Haines

Date Submitted: September 3, 2008

Examined by: Pat Jaeger
(Print name)


(Signature)

Sept. 17, 2008
(Date)

Comments: _____

Chairman signed: Yes No 10-14-08
(Date)

Document returned to: County Clerk

**AN AGREEMENT BETWEEN THE COUNTY OF KANE AND
ENGINEERING ENTERPRISES, INC. FOR THE
DESIGN AND PERMITTING OF THE SEAVEY ROAD SALT STORAGE FACILITY
KANE COUNTY SEC. # 08-00205-01-MG**

PURCHASE ORDER # _____

This AGREEMENT, made this 14th day of October 2008 between COUNTY OF KANE, a body corporate and politic of the State of Illinois (hereinafter referred to as the "COUNTY"), and ENGINEERING ENTERPRISES, INC, an Illinois corporation and an Illinois licensed professional engineering firm, with offices at 52 Wheeler Road, Sugar Grove, Illinois 60554 (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 construct a new salt storage structure at the Seavey Road Maintenance Facility (hereinafter referred to as the "PROJECT"); and,

WHEREAS, in order to accomplish the PROJECT it is necessary to retain the services of a professional engineering firm to perform structural and civil design services for the PROJECT; and,

WHEREAS, the CONSULTANT has experience and professional expertise in structural and civil design services and is willing to perform said services for the PROJECT for an amount not to exceed Eighty Six Thousand Dollars (\$86,000.00); 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 are 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 "A", which is attached hereto and incorporated herein and which rates include 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 Eighty Six Thousand Dollars (\$86,000.00).

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 (hereinafter referred to as the 'Contractor') shall be required by the COUNTY to indemnify and hold harmless 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 and 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 there from, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, any subcontractor(s) of the Contractor, 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, their subcontractor(s), 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 their subcontractor(s) 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 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 additional insureds will be given not less than 30 days prior written notice of any cancellation thereof.

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 thirty (30) 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 of receipt of the Notice to Proceed 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. December 31, 2011, unless otherwise extended in writing by the Kane County Engineer.
- 15.2 In the event the required contract time is 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.

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:

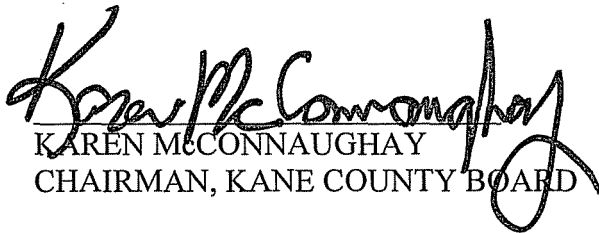
KANE COUNTY DIVISION OF TRANSPORTATION
41W011 Burlington Road
Saint Charles, IL 60175
Attn.: Carl Schoedel, P.E., Kane County Engineer

ENGINEERING ENTERPRISES, INC.
52 Wheeler Road
Sugar Grove, Illinois 60554
Attn:

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

COUNTY OF KANE

ENGINEERING ENTERPRISES, INC.


KAREN MCCONNAUGHAY
CHAIRMAN, KANE COUNTY BOARD



ATTEST:

ATTEST:

JOHN A. CUNNINGHAM
KANE COUNTY CLERK




Exhibit "A"



Scope of Services

Preliminary Engineering

- Review existing data, including utilities, right-of-way, property ownership, etc.
- Gather data and prepare a topographic survey
- Gather and analyze site data, including but not limited to:
 - soil borings
 - Structural assessment and identification of environmentally sensitive elements
- Salt storage capacity evaluation, as directed by staff
- Arrange and attend meetings with two-three salt storage facility manufacturers
- Evaluate site restrictions, including but not limited to:
 - Topography
 - Hydraulic/Hydrologic constraints
 - Any areas of environmental concern
 - Adjacent land uses
 - Site access
 - Truck access and movements within the site
- Prepare preliminary site plan locating the following elements:
 - Salt storage facility
 - Pavement widening
 - Stormwater management facilities (as necessary)
 - Underground utility locations
 - Prepare a cost estimate associated with the preliminary site plan
- Identify any potential value engineering elements to control cost and provide alternative design strategies when applicable
- Attend all meetings required to facilitate the approval of the preliminary plan

Final Design Engineering

- Prepare two sets of construction documents
 - Demolition and site improvements (pavement widening, excavation, misc. earthwork)
 - Salt storage facility plans
- Plans will consist of, but will not be limited to the following sheets:
 - Cover sheet including the following information:
 - Project Title
 - County Officials and staff
 - Location Map
 - Table of Contents
 - Professional Engineer Sign and Seal
 - County Approval Location
 - JULIE Contact Information
 - Scales
 - Benchmarks
 - Other information, as required
 - General notes and legend sheet including the following information:
 - Key construction details and information
 - Applicable standards
 - Quantities sheet including the following information:
 - Proposed pay items

Scope of Services (cont.)

- Pay item units
- Pay item quantities
- Include general plans for the construction of the salt storage facility building foundation and pad:
 - Size and dimensions of structure
 - Foundation layout and details
 - Door location
 - Required utilities
- Mass grading and utility sheets
 - Identify existing and proposed cross sections
 - Review need for additional stormwater detention volume design and provide any necessary facility grading information complete with outfall location, restrictor manhole sizing, and all other required data
 - Identify temporary stockpile locations
 - Utility information (as necessary based on review of topographic survey):
 - Storm sewer manhole, inlet and catch basin locations complete with type, station, offset and rim and invert elevations for any required stormwater improvements
 - Storm sewer pipe locations with grades and lengths
- Typical cross section sheets for access roads and parking lots, complete dimensions, thicknesses, R.O.W. location and all other pertinent information
- Detail sheets including the following information:
 - All applicable project details
 - State standards
 - Traffic control
 - County details (as required)
 - Other details pertinent to the construction of this project
- Stormwater Pollution Prevention Plan (SWPPP)
 - Soil erosion and sediment control plans and details required to meet requirements of the Kane County Stormwater Ordinance and IEPA NPDES requirements
 - SWPPP will identify best management practices to address water quality issues including, but not limited to:
 - Storm sewer inlet protection
 - Stormwater outlet protection
- Prepare construction specifications, consisting of, but not limited to, the following sheets:
 - All required bidding and letting information and contractual forms
 - County special provisions and contracting information
 - Project specific specifications and special provisions
 - State specifications and provisions
 - Prevailing Wages
 - Core/Boring reports
- Coordinate reviews with all necessary governing agencies
- Prepare final cost estimates
- Prepare a final estimate of working days and tentative construction schedule
- Prepare and provide final contract drawings, documents and specifications for bidding including all necessary information for the bidder, special provisions, and direction to the bidder regarding County specific requirements, construction ordinances, permit applications and project specific guidelines

Scope of Services (cont.)

- Provide all plans and drawings electronically and hard copy in 22" x 34" size format with visual scales, drawings will be in AutoCad 2008, or as otherwise required
- Provide all specifications in 8 ½" x 11½" format and bound and in quantities as required
- Attend all meetings with County staff, and all other government agencies as required
- Meet with utility companies and other agencies, as necessary, to coordinate utility services required for the project and to establish the division of work, if any, between the utilities and the agency and construction contractor
- Prepare detailed minutes of all meetings and submit them for approval within three calendar days after meeting; meeting minutes may denote scope of work changes, but will not be considered formal notification of changes

Construction Engineering

- Periodic site inspections to review status and review adherence to project specifications on an "as-needed, on-call" basis.
- Prepare and submit field reports for all field visits

General On-Going Engineering Guidelines for all Phases

- Employ Quality Control/Quality Assurance procedures and implement and monitor the procedures for the duration of the design portion of the project
- Apply value-engineering techniques to ensure efficient and cost-effective design procedures
- Communicate with all parties relative to the status of the project through meetings, correspondence and telephone conversations
- Provide the required coordination between the County and other regulatory agencies
- Early identification of issues or problem areas related to technical scheduling or budgetary goals

In addition to the detail scope of services listed above for the preliminary and final design engineering services for this project, EEI is prepared to go above and beyond the County's expectations to ensure the successful completion of this project. As other scope elements arise throughout the duration of this project, EEI will furnish the necessary services to ensure the completion of the project in accordance with all County, State and Federal requirements. Our history of successful completion of similar projects displays our ability to provide the necessary services required to meet the unique aspects of this project.



Engineering Enterprises, Inc.

**PROJECT SCHEDULE – SEAVEY ROAD SALT STORAGE FACILITY
DESIGN & CONSTRUCTION ENGINEERING SERVICES
KANE COUNTY DIVISION OF TRANSPORTATION**

Project Engineering Services - Tasks	(Week)	2008																2009																																			
		September				October				November				December				January				February				March				April				May				June				July				August				September			
Complete Draft Engineering Agreement		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Transportation Committee Approval of Engineering Agreement																																																					
County Board Approval of Engineering Agreement																																																					
Notice to Proceed Issued																																																					
Conduct Topographic Survey																																																					
Begin Environmental Investigation & Soil Borings																																																					
Conduct Meetings with Dome Manufacturers																																																					
Conduct Salt Storage Facility Needs Analysis to Determine Facility Size																																																					
Prepare Site Plan Alternatives for KDOT Staff Review																																																					
Prepare Preliminary Site Plan Based on Selected Alternative																																																					
Prepare 90% Plans and Specifications for Staff Review																																																					
Complete Plan Revisions																																																					
Advertise for Bids																																																					
Open and Evaluate Bids Received																																																					
Transportation Committee Review of Bids Received and Award Recommendation																																																					
County Board Award Contract(s) to Lowest Responsible Bidder(s)																																																					
Contract Execution, Bonding, Insurance, Notice to Proceed																																																					
Conduct Pre-Construction Conference																																																					
Construction of Improvements																																																					
Quality Control/Quality Assurance																																																					

Preliminary Engineering	
Survey	
Design Engineering	
Bidding, Contracting, Administration	
Agency Review	
Construction	
Meetings and Coordination	
QC/QA	

ENGINEERING ENTERPRISES, INC.
CONSULTING ENGINEERS

DATE:	9/10/2008
ENTERED BY:	JMB/TWT

ESTIMATE OF LEVEL OF EFFORT AND ASSOCIATED COST
PROFESSIONAL ENGINEERING SERVICES

Seavey Road Salt Storage Facility - Preliminary, Design and Construction Engineering
Kane County, Illinois

WORK ITEM NO.	WORK ITEM	ENGINEERING					DRAFTING			SURVEYING			ADMIN.	WORK ITEM HOUR SUMM.	COST PER ITEM	
		PRINCIPAL ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	CAD MANAGER	SENIOR PROJECT TECHN.	PROJECT TECHN.	SENIOR PROJECT SURVEYOR	SURVEYOR	SENIOR TECHN.	SECRET.			
PRELIMINARY DESIGN PHASE																
1.01	Perform and Process Field Topographic Survey									8	24	24		56	\$5,328	
1.02	Prepare EEI Project Management Plan (QA/QC)		2	4	6									12	\$1,608	
1.03	Conduct Project Kick-off Meeting with County Staff and Project Team	2	2	2	2	2								10	\$1,368	
1.04	Perform Field Review/Confirm Conditions		4	4	4									12	\$1,656	
1.05	Review Surface Drainage Issues and Adequacy			4	8									12	\$1,560	
1.06	Coordinate Soil Borings and Hazardous Materials Review, Evaluate Results				8									8	\$1,008	
1.07	Coordinate and Attend Meetings with Dome Manufacturers		4	4	4									12	\$1,656	
1.08	Evaluate Existing and Future Salt Capacity Requirements	2	4	4	8	12						8		38	\$4,404	
1.09	Finalize Preliminary Site Plan and Estimate of Cost for Staff Review		2	4	12	16		24						58	\$6,684	
Preliminary Design Phase Sub-Total		4	18	26	52	30		24		8	24	24	8	218	\$25,272	
FINAL DESIGN PHASE																
2.01	Prepare and Submit 90% Plans, Specifications and Cost Estimate	2	16	40	60	60		80					12	270	\$31,860	
2.02	Conduct Meeting Re: 90% Plans Review with Staff	2				8								10	\$1,188	
2.03	Final Plan Revisions and Submittal of Documents for Final Approval		2	2		4								8	\$1,008	
2.04	Quality Control and Quality Assurance (On-Going Throughout Design)	6	2	2		10								20	\$2,628	
Final Design Phase Sub-Total		10	20	44	60	82		80					12	308	\$36,684	
DESIGN TOTAL = \$61,956																
CONSTRUCTION PHASE																
3.01	Prepare for and Conduct Pre-Construction Meeting		2	4	4	2								12	\$1,572	
3.02	Provide On-Site Observation of Work (24 weeks @ 4 hours/week average)		48			48								96	\$12,384	
Construction Phase Sub-Total			50	4	4	50								108	\$13,956	
Project Total		14	88	74	116	162		104		8	24	24	20	634	\$75,912	

Position	Code	Rate	Unit	Symbol	Hourly Rate	Per Hour Cost
Principal Engineer	E-3	14	hours	@	\$162	per hour = \$2,268
Senior Project Manager	E-2	88	hours	@	\$150	per hour = \$13,200
Project Manager	E-1	74	hours	@	\$138	per hour = \$10,212
Senior Project Engineer/Surveyor	P-5	124	hours	@	\$126	per hour = \$15,624
Project Engineer/Surveyor	P-4	162	hours	@	\$108	per hour = \$17,496
Senior Engineer/Surveyor	P-3	0	hours	@	\$99	per hour = \$0
Engineer/Surveyor	P-2	24	hours	@	\$90	per hour = \$2,160
CAD Manager	E-1	0	hours	@	\$138	per hour = \$0
Senior Project Technician	T-5	104	hours	@	\$108	per hour = \$11,232
Project Technician	T-4	0	hours	@	\$99	per hour = \$0
Senior Technician	T-3	24	hours	@	\$90	per hour = \$2,160
Secretary	A-3	20	hours	@	\$78	per hour = \$1,560
HOURLY TOTAL=		634				TOTAL EEI LABOR = \$75,912

Printing	\$1,000
Supplies & Misc.	\$250
Terracon (Geotech. & Env.)	\$8,000
Vehicle (24 Days X \$30/Day)	\$720
DIRECT EXPENSES =	\$9,970

Drafting Expenses =	\$11,232
Surveying Expenses =	\$5,328
Engineering Expenses =	\$57,792
Administrative Expenses =	\$1,560
TOTAL LABOR EXPENSES =	\$75,912

TOTAL CONTRACT COSTS = \$85,882