



STORMWATER MANAGEMENT COMMISSION

November 27, 2021

To: Stormwater Management Commission

From: Kurt Woolford, Executive Director

Re: Bleck Engineering Co. General Engineering Services Agreement:
Final Request for Additional Funding

ACTION REQUESTED: APPROVAL

Bleck Engineering Co. is currently performing various engineering and related tasks on twelve projects (see list below) for SMC under our Professional Services Agreement (Agreement) executed on April 26, 2018. The Agreement is for a not-to-exceed amount of \$183,000 (T&M basis) through April 6, 2022. The current projects total \$183,000, leaving a balance of \$0.

Staff requests approval to expand Bleck's current Service Requests #12 and #13 to achieve shovel-ready status and construction in Spring 2022. The estimated (not-to-exceed) total costs for SR #12 and SR #13 are **\$257,040**, and **\$285,635**, respectively. Reimbursement of these DCEO grant engineering expenses will be submitted in 2022. SMC's approved FY22 budget includes \$2,013,000 for Engineering Services available on December 1, 2021.

Your approval is requested to increase the not-to-exceed amount in the Agreement to **\$725,675** to cover the engineering project costs for SR #12 and SR #13. We have been very pleased with Bleck's performance to date on the professional engineering services rendered and have every reason to believe this high level of effort will continue.

Any questions concerning the Professional Services Agreement, or the listed projects may be directed to Kurt Woolford, Executive Director, at 847-377-7720 or kwoolford@lakecountyil.gov.

SERVICE TASK	SMC Staff	VALUE	BALANCE
Contract Authorization Value		\$55,000.00	\$55,000.00
Service Request 1: NPDES Support	EH	(\$9,838.75)	\$45,161.25
Service Request 2: WDO Technical Support - ILR10	EH	(\$2,261.25)	\$42,900.00
Service Request 3: Buyout Property Survey	SØ	(\$4,480.10)	\$38,419.90
Service Request 4: Dady Slough H&H Study	SØ	(\$38,679.25)	(\$259.35)
Contract Amendment #1		\$38,000.00	\$37,740.65
Service Request 5: Grandwood Park	MW	(\$371.25)	\$37,369.40
Service Request 6: Permit Reviews	KW	(\$22,258.50)	\$15,110.90
Service Request 7: Lake Villa Township Buyout	SØ	(\$5,100.00)	\$10,010.90
Service Request 8: Detention Volume Site Comparisons	KW	(\$19,447.50)	(\$9,436.60)
Contract Amendment #2		\$50,000.00	\$40,563.40
Service Request 9: Park City Storm Sewer H&H	SØ	(\$18,273.50)	\$22,289.90
Service Request 10: Beach Park Ravine Inspection	SØ	(\$1,375.00)	\$20,914.90
Service Request 11: Winnebago Concept Engineering	KW	(14,264.00)	\$6,650.90
Contract Amendment #3		\$40,000.00	\$46,650.90
DCEO Grant Application Assistance with Cost Estimates and IGAs	KW	(\$46,650.90)	\$0
Service Request 12 (expanded): DCEO Engineering Services - Park City Flood Mitigation and Bypass Storm Sewer	KW	(\$257,040.00)	(\$257,040.00)
Service Request 13 (expanded): DCEO Engineering Services – Winnebago Area Storm Sewer	KW	(\$285,635.00)	(\$542,675.00)

**PROFESSIONAL SERVICES AGREEMENT
AMENDMENT #4
between
LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
and
BLECK ENGINEERING COMPANY, INC.
for
DCEO ENGINEERING SERVICES**

This is an Agreement, by and between the LAKE COUNTY STORMWATER MANAGEMENT COMMISSION, 500 Winchester Road, Suite 201, Libertyville, Illinois 60048 (hereafter called SMC) and BLECK ENGINEERING COMPANY, INC., 1375 N. WESTERN AVE., LAKE FOREST, IL 60045 (hereinafter called CONSULTANT).

PURPOSE

SMC wishes to engage the CONSULTANT to provide professional engineering services and related technical services for project design, plan & specifications, and permit/grant application development, surveying services, and H&H analysis. Additional services may include geotechnical and/or structural engineering services, construction and/or natural areas monitoring and management, and supplemental engineering services, as needed.

SERVICES

The CONSULTANT has provided cost estimates for each work assignment for budgetary purposes. The actual costs charged by the CONSULTANT for the work assignment will be on a time and material basis for the work performed per the CONSULTANT'S current Standard Charges. Travel and vehicle costs from the CONSULTANT'S office will be included in the charges to SMC.

COMPENSATION

1. The SMC agrees to pay the CONSULTANT for the work assigned to the CONSULTANT on a time and material basis with a total not to exceed **\$725,675.00**. The fees and costs charged to the SMC for work performed will be in accordance with BLECK ENGINEERING COMPANY, INC. Standard Charges as described in EXHIBIT A.
2. The SMC shall pay invoices in compliance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, et seq.).

TERMS AND CONDITIONS

1. The Agreement for Professional Engineering Services shall be effective through **April 6, 2022**.
2. The SMC may make, by written Order and agreed to by the CONSULTANT, changes in the scope of work if such changes are within the general scope of the Agreement.
3. The SMC or CONSULTANT may at any time, terminate this Agreement in whole or in part by written or verbal notice confirmed in writing. Upon notice of termination, the SMC will assume responsibility for services rendered and costs incurred prior to notification and any

reimbursable expenses and reasonable costs relating to the termination. All services, property, publications, or materials provided during or resulting from the Agreement shall be the property of the SMC.

4. This Agreement shall be governed by and construed according to the laws of the State of Illinois.
5. CONSULTANT will maintain INSURANCE coverage as required by Lake County Purchasing for Professional, Comprehensive, General, Automobile, Worker's Compensation, and Employer's Liability in amounts in accordance with generally accepted legal and business requirements. Certificates evidencing such coverage must be provided to SMC.
6. This Agreement shall not be assigned, altered or modified without the express written consent of both parties except as provided in paragraph 3 above. The CONSULTANT shall not reject any reasonable change proposed in the best interest of the project by SMC. This Agreement supersedes any and all other Agreements, oral or written, between the parties hereto with respect to the subject matter hereof,

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed, as evidenced by the signatures of their duly authorized representative as affixed below.

**LAKE COUNTY STORMWATER
MANAGEMENT COMMISSION**

BLECK ENGINEERING COMPANY, INC.

Kurt A Woolford
Executive Director

Patrick J. Bleck
President

Date: _____

Date: _____

EXHIBIT A:

FEE SCHEDULE FOR CONSULTANTS AND SUPPORT SERVICES

A schedule of the hourly rates currently in effect for employees follows:

Employee Classification

Principal Prof. Engineer Hourly Rate

\$210.00

Project Manager PE, CFM \$175.00 - \$165.00

Professional Land Surveyor \$135.00

Project Engineer \$135.00 - \$125.00

Land Surveyor, SIT \$100.00

Two man Field Crew \$185.00

One man field crew - robotic instrument \$150.00

CAD Operator \$135.00 - \$110.00

Construction Engineer \$100.00

Administrative Assistant \$75.00

Engineering Intern \$65.00

Reimbursable Expenses

Copies (8 1/2" x 11")

Reproducible copies large format paper, b/w Reproducible copies large format paper, color Large format scanning

Reproducible copies, outside services Shipping/Messenger Service

Mileage

Outside Professional Services

\$0.15/page

\$1.00/sq. ft.

\$1.50/sq. ft.

\$0.50/sq. ft.

Cost + 10%

Cost + 10%

\$0.55/mile Cost + 10%

Adjustment of Rates

Bleck Engineering reserves the right to increase these rates and expenses annually .

MEMO

December 3, 2021
Job No. 210-218-11

To: Kurt Woolford, PE, Executive Director, LCSMC

From: Patrick J, Bleck, PE

Re: 2021-2022 General Engineering Services Contract Service Request #12
Design Engineering City of Park City Flood Mitigation and Bypass Culvert

Per our recent discussion, this proposal to design engineering services for the above referenced project consistent with the estimate and schedule attached.

Services to be provided on a time and material basis, cost not to exceed \$257,040 without prior authorization.

LCSMC Dady Slough - Greenbelt FP to Illinois Route 120 (+/- 1950') and Illinois Route 120 to Dady Slough Lake (+/-900')

<i>Proposed Fee and Project Schedule</i>	<i>Estimated Man-hours</i>							
	Principal	Manager Engr./WR	Manager PE	Project Engr.	Proj. Engr./CADD	Surveyor/PLS	Survey Crew	Clerical
<i>Description</i>								
Schematic Design	PJB	JMC	KM	BF	DD	JRB	BB/KB	SB
Receive Notice to Proceed - Schedule work								
Meet with SMC Staff and discuss final scope of the project, schedule; site visit	4	4						
Obtain Park City GIS records, incl Sanitary, Water & Storm), trees & lighting		2						4
Obtain available DTM (topographic information)		2						
Research records of the underground utilities (CEC, phone, Gas, Cable, etc.)					4			6
Research Record Plats for right-of-way and property line information					4			6
Contact JULIE to locate all underground utilities								6
Complete Topographic Survey, draft Supplement lidar		4			60		60	
Bench Circuit						24		
Subcontract soil investigation for soil boring	2			4				
Prepare schematic design and exhibits for layout	15	8		15	40			
Meet with LCSMC Staff and discuss schematic design / layout	2	6						
Forward preliminary plan to Utility companies & stakeholders								2
Address stakeholder comments on schematic design	2	4			8			
Design Development								
Update Hydrologic and Hydraulic Analysis to reflect design, provide exhibit(s)	2	120			8			
Prepare preliminary design plan set (incl details)	100	20			100			
Complete summary of quantities and estimate of cost	8	2			40			
Coordination with Dady Slough Stabilization Project		8						
Meet with Stakeholders	8	12						
Submission of design 75% to stakeholders for review and comments	2							4
Coordinate with utilities and Road District during Utility Relocation Phase ('22 constr season)	8				40			8
Identify required easements and coordinate with local sponsors	4	12						
Construction Documents								
Finalize Hydrologic and Hydraulic Analysis		20			4			
Final Stormwater Management Report (for permit submission), provide exhibits		24			8			2
Final Drainage Design (storm, parkways etc)	40	4			40			
Meet with LCSMC	4							
SE/SC	2	2			20			
Summary of quantities					40			
Estimate of cost	20							
Specification/Special Provisions	4		40					
Final revisions	20	4			20			
QA/QC 100% Design and Contract documents	4	4	8					
Permit Phase								
LCSMC	4	12						4
IDOT	8							4
Water and Sewer	8							4
Grant Documentation	4	8						8
CCDD Soil Assessment	2							
SWPP/NOI - IEPA	2	8						20
Wetlands	2	4						4
Easements	4					20		
Bidding Phase								
Advertise for Bid	1							2
Pre-Bid Meeting, Address Questions, and Addendums	8		2					2

LCSMC Dady Slough - Greenbelt FP to Illinois Route 120 (+/- 1950') and Illinois Route 120 to Dady Slough Lake (+/-900')

Proposed Fee and Project Schedule		Estimated Man-hours							
Description		Principal	Manager Engr./WR	Manager PE	Project Engr.	Proj. Engr./CADD	Surveyor/PLS	Survey Crew	Clerical
Schematic Design		PJB	JMC	KM	BF	DD	JRB	BB/KB	SB
Bid Opening		2							
Bid Tabulation and Letter of Recommendation		2							4
Award Contracts		2							4
Pre-Construction Meeting		4	4		4				
Construction									
Total Man-hours		304	294	50	19	436	44	60	94
Hourly Rate		\$ 225.00	\$ 175.00	\$ 185.00	\$ 140.00	\$ 130.00	\$ 145.00	\$ 190.00	\$ 80.00
Labor cost		\$ 68,400.00	\$ 51,450.00	\$ 9,250.00	\$ 2,660.00	\$ 56,680.00	\$ 6,380.00	\$ 11,400.00	\$ 7,520.00
Total Labor Cost		\$ 213,740.00							
Allowance for Reimbursable Expenses									
xpswmm software upgrade allowance		\$ 3,500.00							
Permits allowance		\$ 11,300.00							
CCDD Soil Assessment		\$ 7,500.00							
Soil Borings		\$ 7,500.00							
Wetlands Delineation/JD/Report/Permitting		\$ 7,500.00							
Advertising		\$ 500.00							
Printing		\$ 5,000.00							
Travel		\$ 500.00							
		\$ 43,300.00							
Total Amount - Not to Exceed		\$ 257,040							

LCSMC Dady Slough -

Proposed Fee and Project Schedule	Q4, 2021												Q1, 2022												Q2, 2022												Q3, 2022												Q4, 2022											
	Oct				Nov				Dec				Jan				Feb				March				April				May				June				July				Aug				Sept				Oct				Nov				Dec			
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MEMO

December 3, 2021
Job No. 210-218-11

To: Kurt Woolford, PE, Executive Director, LCSMC

From: Patrick J, Bleck, PE

Re: 2021-2022 General Engineering Services Contract Service Request #13
Design Engineering Winnebago Area Flood Mitigation

Per our recent discussion, this proposal to design engineering services for the above referenced project consistent with the estimate and schedule attached.

Services to be provided on a time and material basis, cost not to exceed \$285,635 without prior authorization.

Winnebago Area Flood Mitigation

Estimate of Design Engineering

Estimated Man-hours

Description	Principal	Manager Engr./WR	Manager PE	Project Engr.	Proj. Engr./CADD	Surveyor/PLS	Survey Crew	Clerical
Schematic Design								
Receive Notice to Proceed - Schedule work								
Meet with Road District Staff and discuss final scope of the project, schedule; site visit	4	4						
Obtain Road District GIS records, incl Sanitary, Water & Storm), trees & lighting		2						4
Obtain available DTM (topographic information)		2						
Research records of the underground utilities (CEC, phone, Gas, Cable, etc.)					4			6
Research Record Plats for right-of-way and property line information					4			6
Contact JULIE to locate all underground utilities								6
Bench Circuit						32		
Complete Topographic Survey, draft Supplement lidar					80		80	
Subcontract soil investigation for soil boring	2			4				
Prepare schematic design and exhibits for layout	20	8		20	40			
Meet with Road District Staff and discuss schematic design / layout	2	6						
Forward preliminary plan to Utility companies & stakeholders								2
Address stakeholder comments on schematic design		4			8			
Design Development								
Update Hydrologic and Hydraulic Analysis to reflect design, provide exhibit(s)	2	100			8			
Prepare preliminary design plan set (incl details)	136	20			136			
Complete summary of quantities and estimate of cost	8	2			68			
Meet with Stakeholders	8	12						
Submission of design 75% to stakeholders for review and comments	2							4
Coordinate with utilities and Road District during Utility Relocation Phase ('22 constr season)	8				68			8
Identify required easements and coordinate with local sponsors	4	4						
Construction Documents								
Finalize Hydrologic and Hydraulic Analysis		20			4			
Final Stormwater Management Report (for permit submission), provide exhibits		24			8			2
Final Drainage Design (storm, parkways etc)	40	4			40			
Meet with Road District	4							
SE/SC Plans	2	2			20			
Summary of quantities					40			
Estimate of cost	20							
Specification/Special Provisions	4		40					
Final revisions /Bid Documents	20	4			20			
QA/QC 100% Design and Contract documents	4	4	8					
Permit Phase								
LCSMC	4	12						4
LCDOT	8							4
LCPWD	8							4
Grant Documentation	4	8						8
SWPP/NOI - IEPA	2	8						20
CCDD Soil Assessment	2							
Wetlands	2	4						4

Winnebago Area Flood Mitigation

Estimate of Design Engineering

Estimated Man-hours

Description	Principal	Manager Engr./WR	Manager PE	Project Engr.	Proj. Engr./CADD	Surveyor/PLS	Survey Crew	Clerical
Easements	4					40		
Bidding Phase								
Advertise for Bid	1							2
Pre-Bid Meeting, Address Questions, and Addendums	8		2					2
Bid Opening	2							
Bid Tabulation and Letter of Recommendation	2							4
Award Contracts	2							4
Pre-Construction Meeting	4	4						
Construction								
Total Man-hours	343	254	50	24	548	72	80	94
Hourly Rate	\$ 225.00	\$ 175.00	\$ 185.00	\$ 140.00	\$ 130.00	\$ 145.00	\$ 190.00	\$ 80.00
Labor cost	\$ 77,175.00	\$ 44,450.00	\$ 9,250.00	\$ 3,360.00	\$ 71,240.00	\$ 10,440.00	\$ 15,200.00	\$ 7,520.00
Total Labor Cost	\$ 238,635.00							

Allowance for Reimbursable Expenses

xpswmm software upgrade	\$ 3,500.00
Permits fees (LCSMC, LCDOT, LCPWD, SWPP/NOI, LCSMC/COE)	\$ 13,800.00
Soil Borings	\$ 7,500.00
CCDD Soil Assessment	\$ 7,500.00
Wetlands Delineation/JD/Report/Permitting	\$ 7,500.00
Printing	\$ 6,700.00
Travel	\$ 500.00
Subtotal Reimbursables	\$ 47,000.00
Total Amount - Not to Exceed	\$ 285,635.00

Winnebago Area Flood Mitigation

Estimate of Design Engineering

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