

PUBLIC WORKS & UTILITIES COMMITTEE

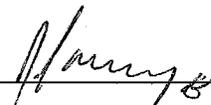
13-0592R

RESOLUTION AMENDING CONTRACT 21695 WITH LHB, INC. FOR PROFESSIONAL ENGINEERING SERVICES FOR CONSTRUCTION AND INSPECTION FOR FLOOD 2012 VARIOUS LOCATIONS TO INCREASE THE AMOUNT BY \$185,816 FOR A NEW TOTAL OF \$435,816.

CITY PROPOSAL:

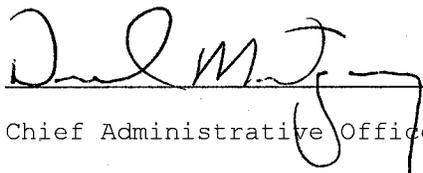
RESOLVED, that Contract 21695 with LHB, Inc. for professional engineering services for construction administration and inspection for Flood 2012 Various Locations be amended to increase the amount by \$185,816 for a new total of \$435,816. This increase is due to additional flood sites identified after the 2012 flood, and is payable from Disaster Recovery Fund 225, Department/Agency 125 (Finance), Organization 1803 (Roads and Bridges), Object 5303 (Engineering Services), city project no. 1144.

Approved:



Department Director

Approved for presentation to council:



Chief Administrative Officer

Purchasing Agent 

Approved as to form:



Attorney

Approved:



Auditor

ENG PTM:jh 11/21/2013

STATEMENT OF PURPOSE: This resolution will authorize an amendment to Contract 21695 for professional engineering services for Flood 2012 Various Locations. Payable from Disaster Recovery Fund 225, Department/Agency 125 (Finance), Organization 1803 (Roads and Bridges), Object 5303 (Engineering Services), city project no. 1144.

Projected Project Cost and Work Summary



Requisition Number 2012-00000467, Engineering Project No. 1144
 Flood Project 990- Various Locations

Project Summary Est. with Group 1, 2 and 3 Flood Bridges Included	Total Est. Costs Including Subconsultants
Original Contract Projects	
Hillside (Design and Const. Administration)	
project cost through 10/25/13	\$58,900
estimated remaining to complete project	\$5,200
Lakeside (Design and Const. Administration)	
project cost through 10/25/13	\$171,800
estimated remaining to complete project	\$8,700
Lakeside LOMR & Culvert Design	
project cost through 10/25/13	\$3,361
estimated remaining to complete project (LOMR not started yet)	(LOMR to Alt. Contract)
Subtotal Original Contract Projects	\$247,961
Supplemental Bridge Projects	
Amity Creek Bridges Group 1- (10 Bridges, Design and Const. Administration)	
	\$69,419
West Duluth Bridges Group 2- (5 Bridges, Design and Const. Administration)	
	\$67,089
Tischer Creek Bridges Group 3- (5 Bridges, Design and Const. Administration)	
	\$51,347
Total Estimate, All Projects	\$435,816
Current Contract Amount	\$250,000
Supplement Total	\$185,816

FEE ESTIMATE WORKSHEET

Project Name

Amity Creek Bridges- Group 1
Bridges 69671, 69640, L8503, 69654, L8505,
L8506, L8507, 69672, L9389 and L9390
 City of Duluth
 JDL



LHB Labor Summary

Client
 Preparer

Project Breakdown - Task Description	P1	P5	P8	P11	P13	T3	T8	A1	Total Labor Costs (\$)
	Project Principal	Project / Disc. Mgr.	Project Eng.	Eng. XI	Eng. XIII	Sr. Tech Designer	Intermed. Designer	Admin. Assist.	
	\$149	\$135	\$105	\$88	\$70	\$89	\$63	\$65	
Site Visit/ Review	2	6	8			4			\$2,304
Site Survey						12	12		\$1,824
Mapping						12			\$1,068
Permitting		1	8			4			\$1,331
Plans (all bridges)									\$0
Title Sheet			1			3			\$372
Statement of Estimated Quantities	1	4	4			8			\$1,821
Bridge 69671 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data						1			\$89
Bridge 69640 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data									\$0
Bridge L8503 General Plan, Elevation & Quant.	1	2	4			8			\$1,551
Bridge L8503 Underpinning Plan & Details (2 shts)		2	4			14			\$1,936
Bridge L8503 Retaining Wall Plan		2	4			12			\$1,758
Bridge L8503 Retaining Wall Veneer Details		1	2			8			\$1,057
As Built Data									\$0
Bridge 69654 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data									\$0
Bridge L8505 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data									\$0
Bridge L8506 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data									\$0
Bridge L8507 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data									\$0
Bridge 69672 General Plan, Elevation & Quant.		2	3			8			\$1,297
As Built Data									\$0
Bridge L9389 General Plan, Elevation & Quant.		1	3			8			\$1,162
As Built Data									\$0
Bridge L9390 General Plan, Elevation & Quant.		1	3			8			\$1,162
As Built Data									\$0
Riprap Details						2			\$178
Temporary Stream Diversion						2			\$178
Traffic Control (2 Shts)		2	1			6			\$909
									\$0
Special Provisions	2	6							\$1,108
									\$0
Bidding Assistance		2							\$270
									\$0
Construction Administration									\$0
Correspondence	2	12							\$1,918
On Site Observation (est 8 wks @ 30hr/ wk)	2	24				240			\$24,898
Daily/ Weekly Documentation		6				40			\$4,370
Progress Meetings		12							\$1,620
Payment Applications/ IRA's	1	6				16			\$2,383
Record Documents		2				12			\$1,338
									\$0
									\$0
Total Hours	11	106	63	0	0	476	12	0	
Travel	Miles	# Trips	Rate	Cost	Direct Costs	Cost	Labor		\$65,684
est 8 wks x 150 mi./wk	1200		0.550	\$660	Printing	\$75	Travel Costs		\$660
							Direct Costs		\$75
							Materials Testing		\$3,000
Total Travel Costs				\$660	Total Direct	\$75			
Total Not To Exceed Cost									\$69,419

FEE ESTIMATE WORKSHEET

LHB Labor Summary

Project Name

Client
Preparer

West Duluth Bridges- Group 2
Bridges L8477, 69J33, L9935, L8500, and L8525
City of Duluth
JDL



Project Breakdown - Task Description	P1	P5	P8	P11	P13	T3	T8	A1	Total Labor Costs (\$)
	Project Principal	Project / Disc. Mgr.	Project Eng.	Eng. XI	Eng. XIII	Sr. Tech Designer	Intermed. Designer	Admin. Assist.	
	\$149	\$135	\$105	\$88	\$70	\$89	\$63	\$65	
Site Visit/Review	2	8	6			6			\$2,542
Site Survey						12	12		\$1,824
Mapping						14			\$1,246
Permitting		1	12			5			\$1,840
Plans (all bridges)									
Title Sheet			1			3			\$372
Statement of Estimated Quantities		2	4			6			\$1,224
Bridge L8477 General Plan and Elevation	1	2	6			12			\$2,117
Bridge L8477 Underpinning Plan & Details (1 of 2)	1	2	6			8			\$1,761
Bridge L8477 Underpinning Plan & Details (2 of 2)		2	6			8			\$1,612
As Built Data						1			\$89
Bridge 69J33 General Plan, Elevation & Quant.	1	4	6			12			\$2,387
As Built Data						1			\$89
Bridge L9935 General Plan, Elevation & Quant.	1	2	4			6			\$1,373
As Built Data									\$0
Bridge L8500 General Plan, Elevation & Quant.	1	4	6			8			\$2,031
Bridge L8500 Underpinning Plan & Details		2	4			8			\$1,402
As Built Data									\$0
Bridge L8525 General Plan, Elevation & Quant.	1	2	4			6			\$1,373
As Built Data									\$0
Riprap Details			1			2			\$283
Temporary Stream Diversion			1			2			\$283
									\$0
Special Provisions	2	6							\$1,108
									\$0
Bidding Assistance		4							\$540
									\$0
Construction Administration									\$0
Correspondence	2	12							\$1,918
On Site Observation (est 10 wks @ 24hr/ wk)	4	32				240			\$26,276
Daily/ Weekly Documentation		6				32			\$3,658
Progress Meetings		12							\$1,620
Payment Applications/ IRA's	1	6				16			\$2,383
Record Documents		2				12			\$1,338
									\$0
									\$0
									\$0
Total Hours	17	111	67	0	0	420	12	0	
Travel	Miles	# Trips	Rate	Cost	Direct Costs	Cost	Labor		\$62,689
est 10 wks x 150 mi./wk	1500		0.550	\$825	Printing	\$75	Travel Costs		\$825
							Direct Costs		\$75
							Materials Testing		\$3,500
Total Travel Costs				\$825	Total Direct	\$75			
Total Not To Exceed Cost									\$67,089

Pat Mlakar

From: Joe Litman
<Joe.Litman@lhbcorp.com>
Sent: Thursday, November 21, 2013 12:07 PM
To: Pat Mlakar
Subject: MSA East Contract-Bridge Work Project
Attachments: Summary Est w-proposed Bridges 11-21-13.pdf

Patrick, I have attached a summary sheet and individual fee sheets representing proposed services for preliminary design, final design and construction administration for the 20 bridges in the Bridge 1, 2 and 3 Bridge Groups. The summary sheet details a subtotal/estimated cost to complete for work which has been assigned to the MSA East Contract as well as the estimated supplemental cost to incorporate the three bridge groups. Just let me know if you have any questions as you review- thank you, Joe