COUNTY AGENDA REQUEST

Department:	Engineering / SPLOST	Presenter(s):	Phil Mallon
Meeting Date:	Thursday, May 23, 2013	Type of Request:	New Business

Wording for the Agenda:

Consideration of staff's request to approve the Bid for Kenwood Road Bridge at Morning Creek (SPLOST Project No. B-3) to the low-bidder, McCarthy Improvement Company, in the amount of $1,390,422.50, for the construction of a new bridge on Kenwood Road over Morning Creek, and authorization for the Chairman to sign the contract and related documents.

Background/History/Details:

Kenwood Road is a minor arterial with an average daily traffic volume of approximately 3,700 vehicles per day. The road's bridge over Morning Creek was constructed in 1972 and is a 200-ft structure with timber piles. Per the GDOT 2012 Bridge Inspection report, the structure is posted with weight restrictions due to insufficient shear capacity of the concrete superstructure. The timber substructure is rated as "poor"condition; some timbers have advanced decay. The bridge's sufficiency rating is 17.39, which is among the lowest of the County's 50+ bridge structures (most have a sufficiency rating of 60 or higher). The proposed bridge is longer (280'), wider (43') and higher (6') than the existing, in order to meet current design standards for both flood conditions and road geometry.

The project was advertised and bid competitively by the Project Engineer, Mallett Consulting, Inc., with oversight by the County's Purchasing Department. Five companies bid on the project. Four of the bids were within 6% of each other. McCarthy provided the low bid.

The construction schedule for the job was reduced from 12 months to 7 months as a result of public input at the April 8th Detour & Public Information Open House meeting.

What action are you seeking from the Board of Commissioners?

Approval of staff's request to approve the Bid for Kenwood Road Bridge at Morning Creek (SPLOST Project No. B-3) to the low-bidder, McCarthy Improvement Company, in the amount of $1,390,422.50, for the construction of a new bridge on Kenwood Road over Morning Creek, and authorization for the Chairman to sign the contract and related documents.

If this item requires funding, please describe:

Funding for this project is available from Account 321-40220-511210 B-3.

Has this request been considered within the past two years?	No	If so, when?	
Is Audio-Visual Equipment Required for this Request?*	Yes	Backup Provided with Request?	Yes

**** All audio-visual material must be submitted to the County Clerk's Office no later than 48 hours prior to the meeting. It is also your department's responsibility to ensure all third-party audio-visual material is submitted at least 48 hours in advance.***

Approved by Finance	Yes	Reviewed by Legal	
Approved by Purchasing	Yes	County Clerk's Approval	Yes
Administrator's Approval			

Staff Notes:

Purchasing reviewed and provided oversight for the bid and proposed recommendation.

Fayette County

"Where Quality Is a Lifestyle"

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Fayetteville, Georgia 30214
Phone: 770-305-5420
www.fayettecountyga.gov

To: Steve Rapson

From: Ted L. Burgess

Date: May 6, 2013

Subject: Mallett ITB – Kenwood Road Bridge at Morning Creek

SPLOST Project B-3, as included in County Resolution 2004-09, will replace the bridge on Kenwood Road at Morning Creek. The concept budget is $2,270,000. As of 1/1/2013 a total of $145,947.23 of this amount had been spent on engineering, surveying, and similar work.

Mallett Consulting issued an invitation to bid for bridge construction. As is their custom, they advertised in a number of ways. One was to notify several trade groups, who share the information electronically or otherwise with companies in the industry. They include Reed Construction Data in Norcross, AGC Builder's Exchange Plan Room in Smyrna, and Construction Journal in Florida. Mallett also contacts vendors directly, and advertises in the Fayette News and on their website.

Contractors who respond to the invitation are placed on a bidders' plan holder list. Mallett Construction sends firms on this list all bid documents, as well as any addenda. Eight firms were placed on the plan holders' list.

Five contractors submitted bids, which were opened on April 30, 2013. The bid amounts ranged from $1,390,422.50 to $1,728,253.31 (please see attached). During the bid opening process, it was confirmed that all five bids included required bid bonds, and that they acknowledged receipt of Addendum #2.

The Public Works Department recommends the low-priced bidder, McCarthy Improvement Company, for award of the contract. I support their recommendation.

Attachment

KENWOOD RD. BRIDGE REPLACEMENT
AT MORNING CREEK
FOR FAYETTE COUNTY, GA

BID TABULATION

BID DATE: APRIL 30, 2013

				McCARTHY IMPROVEMENT CO.		GREGORY BRIDGE CO.		SOUTHEASTERN SITE		ROGERS BRIDGE CO.		TIDWELL CONSTRUCTION	
ITEM #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE	**TOTAL PRICE**	UNIT PRICE	**TOTAL PRICE**	UNIT PRICE	**TOTAL PRICE**	UNIT PRICE	**TOTAL PRICE**	UNIT PRICE	**TOTAL PRICE**
	- ROADWAY ITEMS -												
150-1000	Traffic Control	L.S.	1	LS	$ 12,000.00	LS	$ 21,550.00	L.S.	$ 11,200.00	L.S.	$ 20,106.54	L.S.	$ 20,000.00
151-1000	Mobilization	L.S.	1	LS	$ 16,000.00	LS	$ 46,100.00	L.S.	$ 56,252.00	L.S.	$ 64,080.29	L.S.	$ 56,000.00
201-1500	Clearing & Grubbing Complete	L.S.	1	LS	$ 27,000.00	LS	$ 40,950.00	L.S.	$ 17,751.00	L.S.	$ 17,842.56	L.S.	$ 113,000.00
210-0100	Grading Complete	L.S.	1	LS	$ 216,000.00	LS	$ 102,360.00	L.S.	$ 91,785.00	L.S.	$ 104,858.03	L.S.	$ 131,000.00
310-1101	GR AGGR Base CRS, Include. Matl.	TON	1650	$ 17.50	$ 28,875.00	$ 17.11	$ 28,231.50	$ 17.00	$ 28,050.00	$ 17.11	$ 28,231.50	$ 17.11	$ 28,231.50
318-3000	AGGR Surf CRS	Ton	600	$ 17.20	$ 10,320.00	$ 14.78	$ 8,868.00	$ 14.75	$ 8,850.00	$ 14.78	$ 8,868.00	$ 14.78	$ 8,868.00
402-1812	Recycled Asph. Conc. Leveling, Incl. Bitum Matl. & H lime	Ton	100	$ 88.00	$ 8,800.00	$ 81.75	$ 8,175.00	$ 99.50	$ 9,950.00	$ 87.10	$ 8,710.00	$ 87.10	$ 8,710.00
402-3130	Recycled Asph. Conc. 12.5mm Superpave, GP 2 Only, Incl. Bitum Matl. & H Lime	Ton	300	$ 83.00	$ 24,900.00	$ 79.50	$ 23,850.00	$ 83.00	$ 24,900.00	$ 82.55	$ 24,765.00	$ 82.55	$ 24,765.00
402-3190	Recycled Asph. Conc. 19mm Superpave, GP 1 or 2, Incl. Bitum Matl. & H Lime	Ton	400	$ 76.00	$ 30,400.00	$ 76.25	$ 30,500.00	$ 75.00	$ 30,000.00	$ 75.28	$ 30,112.00	$ 75.28	$ 30,112.00
402-3121	Recycled Asph Conc. 25mm Superpave, GP 1 or 2, Incl. Bitum Matl. & H Lime	Ton	550	$ 75.00	$ 41,250.00	$ 74.75	$ 41,112.50	$ 69.25	$ 38,087.50	$ 74.92	$ 41,206.00	$ 74.92	$ 41,206.00
413-1000	Bitum Tack Coat	GL	550	$ 4.25	$ 2,337.50	$ 2.75	$ 1,512.50	$ 4.50	$ 2,475.00	$ 4.17	$ 2,293.50	$ 4.17	$ 2,293.50
441-0016	Driveway Concrete, 6"	SY	250	$ 42.00	$ 10,500.00	$ 35.29	$ 8,822.50	$ 31.50	$ 7,875.00	$ 35.29	$ 8,822.50	$ 35.29	$ 8,822.50
441-5003	8" Header curb, TP 3	LF	150	$ 15.00	$ 2,250.00	$ 15.91	$ 2,386.50	$ 14.00	$ 2,100.00	$ 15.91	$ 2,386.50	$ 15.91	$ 2,386.50
432-0206	Mill Asph Conc. Pvmt. 1 1/2" Depth	SY	270	$ 16.00	$ 4,320.00	$ 17.00	$ 4,590.00	$ 22.50	$ 6,075.00	$ 15.21	$ 4,106.70	$ 15.21	$ 4,106.70
433-1000	Reinf. Conc. Approach Slab	SY	110	$ 125.00	$ 13,750.00	$ 145.23	$ 15,975.30	$ 152.50	$ 16,775.00	$ 214.19	$ 23,560.90	$ 140.00	$ 15,400.00
444-2000	Saw cut joints in exist. Pavement - asphalt.	LF	50	$ 5.00	$ 250.00	$ 2.00	$ 100.00	$ 7.00	$ 350.00	$ 10.00	$ 500.00	$ 10.00	$ 500.00
550-2180	Side drain pipe, 18", H: 1-10	LF	60	$ 36.00	$ 2,160.00	$ 27.45	$ 1,647.00	$ 27.00	$ 1,620.00	$ 27.45	$ 1,647.00	$ 27.45	$ 1,647.00
634-1200	Conc. Right of Way Markers	EA	8	$ 90.00	$ 720.00	$ 95.00	$ 760.00	$ 145.00	$ 1,160.00	$ 149.81	$ 1,198.48	$ 149.81	$ 1,198.48
641-1100	Guardrail, TP T	LF	100	$ 71.00	$ 7,100.00	$ 55.00	$ 5,500.00	$ 57.75	$ 5,775.00	$ 70.85	$ 7,085.00	$ 70.85	$ 7,085.00
641-1200	Guardrail, TP W	LF	700	$ 19.50	$ 13,650.00	$ 15.00	$ 10,500.00	$ 15.75	$ 11,025.00	$ 19.20	$ 13,440.00	$ 19.20	$ 13,440.00
641-5001	Guardrail Anchorage, TP 1	EA	2	$ 900.00	$ 1,800.00	$ 700.00	$ 1,400.00	$ 735.00	$ 1,470.00	$ 900.00	$ 1,800.00	$ 900.00	$ 1,800.00
641-5000	Guardrail Anchorage, TP Alternate "A"	EA	2	$ 2,205.00	$ 4,410.00	$ 2,300.00	$ 4,600.00	$ 2,415.00	$ 4,830.00	$ 2,205.00	$ 4,410.00	$ 2,205.00	$ 4,410.00
641-5000	Guardrail Anchorage - Bridge	EA	4	$ 1.00	$ 4.00	$ 50.00	$ 200.00	$ 50.00	$ 200.00	$ 1.00	$ 4.00	$ 1.00	$ 4.00
647-8200	Barrier Fence (Orange), 4 Ft.	LF	500	$ 1.00	$ 500.00	$ 1.43	$ 715.00	$ 1.40	$ 700.00	$ 0.90	$ 450.00	$ 1.00	$ 500.00
	- EROSION CONTROL -												
161-1000	Polyacrylamide soil binder	AC	2	$ 350.00	$ 700.00	$ 367.50	$ 735.00	$ 367.50	$ 735.00	$ 350.00	$ 700.00	$ 500.00	$ 1,000.00
163-0300	Construction Exit, Including Maintenance	EA	2	$ 2,343.00	$ 4,686.00	$ 1,378.19	$ 2,756.38	$ 1,370.00	$ 2,740.00	$ 1,378.19	$ 2,756.38	$ 1,378.19	$ 2,756.38
163-0232	Temporary Grassing	AC	2	$ 310.00	$ 620.00	$ 325.50	$ 651.00	$ 325.50	$ 651.00	$ 100.00	$ 200.00	$ 325.50	$ 651.00

ITEM #	DESCRIPTION	UNIT	McCARTHY IMPROVEMENT CO. EST. QUANTITY	UNIT PRICE	TOTAL PRICE	GREGORY BRIDGE CO. UNIT PRICE	TOTAL PRICE	SOUTHEASTERN SITE UNIT PRICE	TOTAL PRICE	ROGERS BRIDGE CO. UNIT PRICE	TOTAL PRICE	TIDWELL CONSTRUCTION UNIT PRICE	TOTAL PRICE
163-0240	Mulch	Ton	25	$ 230.00	$ 5,750.00	$ 241.50	$ 6,037.50	$ 241.50	$ 6,037.50	$ 200.00	$ 5,000.00	$ 241.50	$ 6,037.50
163-0527	Construct and Remove Rip Rap Check dams	EA	10	$ 235.00	$ 2,350.00	$ 190.76	$ 1,907.60	$ 190.00	$ 1,900.00	$ 190.76	$ 1,907.60	$ 190.76	$ 1,907.60
163-0529	Construct and Remove Baled Straw Erosion Check	EA	10	$ 60.00	$ 600.00	$ 63.00	$ 630.00	$ 63.00	$ 630.00	$ 60.00	$ 600.00	$ 63.00	$ 630.00
165-0071	Maintenance of Baled Straw Erosion Check	EA	10	$ 15.00	$ 150.00	$ 15.75	$ 157.50	$ 15.00	$ 150.00	$ 15.00	$ 150.00	$ 15.75	$ 157.50
165-0041	Maintenance of Erosion Control Checkdams- All Types	EA	10	$ 15.00	$ 150.00	$ 53.94	$ 539.40	$ 50.00	$ 500.00	$ 15.00	$ 150.00	$ 53.94	$ 539.40
165-0030	Maintenance of Silt Fence, Type C	LF	5000	$ 0.25	$ 1,250.00	$ 0.26	$ 1,300.00	$ 0.25	$ 1,250.00	$ 0.25	$ 1,250.00	$ 0.26	$ 1,300.00
171-0030	Temporary Silt Fence, Type C	LF	5,000	$ 2.30	$ 11,500.00	$ 2.37	$ 11,850.00	$ 2.25	$ 11,250.00	$ 2.26	$ 11,300.00	$ 2.37	$ 11,850.00
700-6910	Permanent Grassing	AC	2	$ 650.00	$ 1,300.00	$ 682.50	$ 1,365.00	$ 680.00	$ 1,360.00	$ 1,200.00	$ 2,400.00	$ 682.50	$ 1,365.00
700-7000	Agricultural Lime	Ton	4	$ 100.00	$ 400.00	$ 105.00	$ 420.00	$ 105.00	$ 420.00	$ 40.00	$ 160.00	$ 105.00	$ 420.00
700-8000	Fertilizer Mixed Grade	Ton	1	$ 495.00	$ 495.00	$ 519.75	$ 519.75	$ 520.00	$ 520.00	$ 580.00	$ 580.00	$ 519.75	$ 519.75
700-8100	Fertilizer Nitrogen Content	LB	100	$ 1.25	$ 125.00	$ 1.31	$ 131.00	$ 1.30	$ 130.00	$ 1.00	$ 100.00	$ 1.31	$ 131.00
716-2000	Erosion Control Mats, Slopes (BonTerra CS2 or Equal)	SY	5,000	$ 1.45	$ 7,250.00	$ 1.52	$ 7,600.00	$ 1.50	$ 7,500.00	$ 0.90	$ 4,500.00	$ 1.52	$ 7,600.00
167-1000	Water Monitoring and Sampling	EA	3	$ 75.00	$ 225.00	$ 100.00	$ 300.00	$ 50.00	$ 150.00	$ 100.00	$ 300.00	$ 100.00	$ 300.00
167-1500	Water Quality Inspections	MO	14	$ 350.00	$ 4,900.00	$ 375.00	$ 5,250.00	$ 300.00	$ 4,200.00	$ 375.00	$ 5,250.00	$ 375.00	$ 5,250.00
576-1010	Temp. Pipe Slope Drain, 10"	LF	200	$ 31.00	$ 6,200.00	$ 10.86	$ 2,172.00	$ 10.00	$ 2,000.00	$ 10.86	$ 2,172.00	$ 10.86	$ 2,172.00
603-2180	Stone Dumped Rip Rap, Typ 3, 12 in.	SY	100	$ 18.00	$ 1,800.00	$ 27.00	$ 2,700.00	$ 27.00	$ 2,700.00	$ 27.00	$ 2,700.00	$ 27.00	$ 2,700.00
603-7000	Plastic Filter Fabric	SY	100	$ 2.55	$ 255.00	$ 1.79	$ 179.00	$ 2.00	$ 200.00	$ 1.79	$ 179.00	$ 1.79	$ 179.00
	- SIGNING & MARKING -												
636-1020	Highway Signs, Type 1 Matl. Refl. Sheeting, TP 3	SF	40	$ 16.00	$ 640.00	$ 16.00	$ 640.00	$ 17.00	$ 680.00	$ 16.50	$ 660.00	$ 16.50	$ 660.00
636-2070	Galv. Steel Posts, TP 7	LF	100	$ 6.00	$ 600.00	$ 6.00	$ 600.00	$ 8.50	$ 850.00	$ 8.00	$ 800.00	$ 8.00	$ 800.00
653-1501	Thermoplastic Solid Traf. Stripe, 5" White	LF	3,900	$ 0.50	$ 1,950.00	$ 0.60	$ 2,340.00	$ 0.55	$ 2,145.00	$ 0.60	$ 2,340.00	$ 0.60	$ 2,340.00
653-1502	Thermoplastic Solid Traf. Stripe, 5" Yellow	LF	3,900	$ 0.50	$ 1,950.00	$ 0.60	$ 2,340.00	$ 0.55	$ 2,145.00	$ 0.60	$ 2,340.00	$ 0.60	$ 2,340.00
654-1001	Raised Pvmt Markers TP 1	EA	112	$ 7.50	$ 840.00	$ 5.00	$ 560.00	$ 7.90	$ 884.80	$ 5.00	$ 560.00	$ 5.00	$ 560.00
	- BRIDGE -												
500-0100	Grooved Concrete	SY	1200	$ 2.00	$ 2,400.00	$ 6.00	$ 7,200.00	$ 6.20	$ 7,440.00	$ 1.90	$ 2,280.00	$ 5.00	$ 6,000.00
500-1006	Superstructure Concrete, CL AA, BR NO-1	LS	1	LS	$ 214,000.00	LS	$ 265,200.00	LS	$ 283,947.00	LS	$ 240,075.18	LS	$ 305,000.00
500-2100	Concrete Barrier Wall	LF	550	$ 35.00	$ 19,250.00	$ 32.00	$ 17,600.00	$ 33.00	$ 18,150.00	$ 30.35	$ 16,692.50	$ 35.00	$ 19,250.00
500-3101	Class A Concrete	CY	100	$ 725.00	$ 72,500.00	$ 765.00	$ 76,500.00	$ 786.00	$ 78,600.00	$ 1,048.61	$ 104,861.00	$ 100.00	$ 10,000.00
507-8900	PSC Beams, AASHTO Type I Mod, BR NO-1	LF	1657	$ 85.00	$ 140,845.00	$ 89.00	$ 147,473.00	$ 91.50	$ 151,615.50	$ 80.04	$ 132,626.28	$ 85.00	$ 140,845.00
511-1000	Bar Reinforcing Steel	LB	11000	$ 0.80	$ 8,800.00	$ 0.70	$ 7,700.00	$ 0.75	$ 8,250.00	$ 0.71	$ 7,810.00	$ 1.00	$ 11,000.00
511-3000	Superstructure Reinf. Steel, BR NO-1	LS	1	LS	$ 69,000.00	LS	$ 64,475.00	LS	$ 66,400.00	LS	$ 72,709.94	LS	$ 75,000.00
520-0242	H-Pile Points, Hp 10x42	EA	6	$ 102.00	$ 612.00	$ 130.00	$ 780.00	$ 134.00	$ 804.00	$ 125.08	$ 750.48	$ 200.00	$ 1,200.00
520-0353	H-Pile Points, HP 12x53	EA	18	$ 110.00	$ 1,980.00	$ 135.00	$ 2,430.00	$ 139.00	$ 2,502.00	$ 131.11	$ 2,359.98	$ 200.00	$ 3,600.00
520-1104	Piling in Place, Steel H, HP 10x42	LF	561	$ 30.00	$ 16,830.00	$ 40.00	$ 22,440.00	$ 41.20	$ 23,113.20	$ 35.26	$ 19,780.86	$ 40.00	$ 22,440.00

ITEM #	DESCRIPTION	UNIT	EST. QUANTITY	McCARTHY IMPROVEMENT CO. UNIT PRICE	McCARTHY IMPROVEMENT CO. TOTAL PRICE	GREGORY BRIDGE CO. UNIT PRICE	GREGORY BRIDGE CO. TOTAL PRICE	SOUTHEASTERN SITE UNIT PRICE	SOUTHEASTERN SITE TOTAL PRICE	ROGERS BRIDGE CO. UNIT PRICE	ROGERS BRIDGE CO. TOTAL PRICE	TIDWELL CONSTRUCTION UNIT PRICE	TIDWELL CONSTRUCTION TOTAL PRICE	
520-1125	Piling in Place, Steel H, Hp 12x53	LF	1628	$ 39.00	$ 63,492.00	$ 45.00	$ 73,260.00	$ 46.35	$ 75,457.80	$ 40.51	$ 65,950.28	$ 46.00	$ 74,888.00	
520-4102	Load Test, Steel H, HP 10x42	EA	1	$ 1.00	$ 1.00	$ 1.00	$ 1.00	$ 1.00	$ 1.00	$ 0.01	$ 0.01	$ 1.00	$ 1.00	
520-4125	Load Test, Steel H, HP 12x53	EA	1	$ 1.00	$ 1.00	$ 1.00	$ 1.00	$ 1.00	$ 1.00	$ 0.01	$ 0.01	$ 1.00	$ 1.00	
520-5000	Pilot Holes	EA	48	$ 333.00	$ 15,984.00	$ 250.00	$ 12,000.00	$ 257.50	$ 12,360.00	$ 1.00	$ 48.00	$ 1,162.00	$ 55,776.00	
540-1102	Demolition/Removal Existing Bridge	LS	1	$ 38,000.00	$ 38,000.00	$ 40,000.00	$ 40,000.00	$ 46,350.00	$ 46,350.00	$133,910.14	$ 133,910.14	$337,000.00	$ 337,000.00	
547-2012	Pile Encasement, 12in pile	LF	153	$ 165.00	$ 25,245.00	$ 135.00	$ 20,655.00	$ 139.00	$ 21,267.00	$ 147.66	$ 22,591.98	$ 200.00	$ 30,600.00	
603-2024	Stone Dumped Rip Rap, TP 1, 24 in	SY	3000	$ 37.00	$ 111,000.00	$ 42.50	$ 127,500.00	$ 41.20	$ 123,600.00	$ 41.04	$ 123,120.00	$ 1.00	$ 3,000.00	
603-7000	Plastic Filer Fabric	SY	3000	$ 1.50	$ 4,500.00	$ 3.00	$ 9,000.00	$ 3.10	$ 9,300.00	$ 2.46	$ 7,380.00	$ 1.00	$ 3,000.00	
	- ALLOWANCES -													
001-4000	Allowance Per Special Conditions	LS	1	LS	$ 50,000.00	LS	$ 50,000.00	LS	$ 50,000.00	LS	$ 50,000.00	LS	$ 50,000.00	
	TOTAL BASE BID				**$ 1,390,422.50**		**$ 1,408,301.93**		**$ 1,410,142.30**		**$1,472,486.12**		**$ 1,728,253.31**	*
	* Corrected for Math Errors													