

May 31, 2011

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator

Micky Dobson, Project Engineer

Eric J. Gardner, P.E., Director of Engineering

David Parker, P.E., CIP Executive

SUBJECT: Consideration of the Construction Contract Award to Civil Constructors, Inc for the Liberty

Creek Water Quality Improvements project (COF Contract No. 2010-0164)

## **Purpose**

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information to consider the award of the construction contract for the Liberty Creek Water Quality Improvements project.

## **Background**

The project site is located near Liberty Creek along Daniels Drive, and was included in the Franklin Stormwater Master Plan and CIP. This project will help treat water quality and provide minor flood relief.

The scope of construction includes: installation of a vegetative bioswale with erosion control prevention located along Liberty Creek, a new three-sided box culvert bridge, new stormwater drainage piping and headwall, full depth paving and surface repaving of the roadway located within the project limits, relocation of existing waterline, etc. The anticipated duration of construction should be approximately 3 to 4 months. With the design phase recently completed, bids for construction have been received, with the low bid being \$234,996.08 by Civil Constructors, Inc.

Originally, the project was set to be partially funded by a Special Appropriations Project Grant of \$125,000.00 from the Environmental Protection Agency (EPA). Later, EPA cut the Grant amount to \$120,200 as part of an across the board funding reduction. This Grant was set to expire last month and the City formally requested an extension. Due to a recent development dealing with the freezing of EPA funding, the grant's availability is uncertain and this project may be 100% City funded. EPA has indicated that the City can proceed with construction, at this time, without eliminating the possibility of receiving grant funding.

## **Financial Impact**

Approval of this contract would obligate the City to pay \$234,996.08 from the Stormwater Fund. The proposed FY 2012 Budget that passed first reading included \$350,000 for the Liberty Creek Project (includes construction and construction administration). Also included in the budget was the revenue that the grant created for a net cost to the City of \$229,800. Construction administration is proposed at \$10,000 and is being approved concurrent with this. If this contract is approved, the proposed FY 2012 Budget will be need to absorb an estimated \$15,196.08 in Stormwater to cover this difference.

## Recommendation

Award of the construction contract in the amount of \$234,996.08 to Civil Constructors, Inc. is recommended.



Parkview Towers, 210 25th Avenue North
Suite 1102
Nashville, Tennessee 37203
tel: +1 615 320-3161
fax; +1 615 320-6560
May 19, 2011

Mr. Paul Holzen, P.E. Engineering Supervisor City of Franklin 109 Third Avenue South Franklin, Tennessee 37065

Subject:

City of Franklin, Tennessee

Liberty Creek Water Quality Improvements Bid Tabulation and Award Recommendation

Dear Paul,

Enclosed you will find one (1) copy of a certified bid tabulation form for the Liberty Creek Water Quality Improvements project for your records. Based on our canvas of the bids, we would recommend that the City of Franklin award the contract for the project to Civil Constructors, Inc. for a total contract price of \$ 234,996.08. This contract price includes base bid and contingent bid cost.

As you know, this project was bid with the intention of receiving grant funding from the EPA. In order to be in compliance with EPA specifications, the awarded Contractor is required to submit a checklist of items (identified in Specification Section 00900 – EPA Supplemental General Conditions) no later than ten (10) days after the bid opening. We have notified Civil Constructors to complete this under the allotted time. Once submitted, we will review the completed checklist for correctness and completeness. After our review has been completed and any comments have been addressed by the Contractor, we will submit to the City for review and for your records.

If you have any questions about the bid tabulation or any other matter, please feel free to call me.

Sincerely,

Ząck Daniel, P.E.

Project Manager

CAMP DRESSER & McKEE INC.

Enclosures

cc: Mr. Ben Worley

Mr. Eric Gardner, P.E.

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TEM NO	DESCRIPTION	QTY	UNIT	WARTHACE, TN	27183 LUMP SUM T	TOTAL	TTEM NO	DESCRIPTION	QTY	UNIT	FARRYBY, TH 371	LUMP SUM	TOTAL
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3:	LIBERTY CREEK WATER QUALITY IMPROVEMENTS MINERAL AGGREGATE, TYPE A BASE, GRADING	1.	1,8		\$42,060.00	\$42,060.00	1	UBERTY CREEK WATER QUALITY IMPROVEMENTS. MINERAL AGGREGATE, TYPE A BASE. GRADING D.	1	i.S		\$40,000,00	\$40,000.00
2	D (TDOT flem:303-01) ASPHALT CONCRETE MIX (PG64-22) (BPM8-HM)	- 56	TON	\$18.50	. *	\$1,036.00	- 5	(TDOT item 303-01) ASPIALT CONCRETE MIX (PG64-22) (SPMB-HM)	56	TON	\$29.00		\$1,120.00
Ĵ	(GRADING 8-M2) (TEQT Item 307-01:08) SAW GUTTING ASPHALT PAVEMENT (TDOT Item	35	TON	5147.40	*	\$4,716.80	3	(GRADING B-MZ) (TDOT liters 307-01-08) SAW CUTTING ASPHALT PAVEMENT (TDOT flom	32	TON	\$128.00	**	54,096,00
4	407-20.05) ACS MIX (PG64-22) GRADING E RDWY (TOOT liem	260	ĹF	\$4,60		\$1,040.00	-41	407-20.06) ACS MIX (PG64-22) GRADING E ROWY (TDOT flem	260	LP.	. 53.00		\$780 00
5	411-01-11) COLD PLANING BITUMINOUS PAVEMENT (TDOT	75	TON	\$150.83		\$11,297.25	- 5	411-01:11) COLD PLANING BITUMINOUS PAVEMENT (TOOT	75	TON	\$123.00	-	\$9,975.00
8	Herr( 416-01.02)	780	SY.	\$8.34		\$6,505.20	- 6	ltem 415-01.02)	780	BY .	\$8.25	-	\$6,435.00
7	48' RCP - UNIMPROVED AREAS	36	18	\$195.00		\$10,725.00	7	48" RCP - UNIMPROVED AREAS	55	3.6	\$182.00		\$10,010.00
8	48" RCP - IMPROVED AREAS 12% PRECAST OR CAST IN PLACE ARCHED	36	LF	\$285.00		\$9,975.00	8.	48" RCP - IMPROVED AREAS 12%6" PRECAST OR CAST IN PLACE ARCHED	35	CF - 1	\$225.00	•20	\$7,875.00
9	CONCRETE SLAB BRIDGE	#	LS		\$116.460,00	\$116,460.00	1.9	CONCRETE SLAB BRIDGE	4.	LS		\$66,300.00	\$86,300.00
10	8'x6' JUNCTION BOX (4'-8' Depth)	1	EA	\$6,815.00		\$6.816.00	10	5'x6' JUNCTION BOX (4>8' Depth)	1	£.A	\$7,500.00	,,	\$7,500,00
11	HEADWALL ( 48° RCP)	11	EΑ	\$2,486.00		\$2,466.00	11	HEADWALL ( 48° RCP)		EΛ	\$2,250.00	+ +1,	\$2.250.00
12	TRAFFIC CONTROL TEMPORARY CONCRETE BARRIER (TOOT ITEM	1.	1.8		\$10,000.00	\$10,000.00	12	TRAFFIC CONTROL TEMPORARY CONCRETE GARRIER (TDOT ITEM 712)	. 1	LS	-	310,000.00	\$10,000.00
13	712-02.02)	260	LF.	\$24,06		\$6,240.00	18	02:02):	260	Œ	\$38.00	1.04.1.0	\$9,360.00
14	EROSION CONTROL	1	LS	1	\$8.000,00	\$8,000.00	14	EROSION CONTROL	1	US SF		810,000.00	\$10,000.00
15	SEDIMENT FIBER MATTING	720	SF	\$2.00		\$1,440.00	15	SEDIMENT FIBER MATTING	720	SF CY	\$2.10		\$1,512.00
6	MACHINED RIP-RAP EROSION CONTROL BLOCK - ARMORLOC (OR APPROVED EQUAL)	36	CY SF	\$40.00 328.50		\$1,440.00	16	MACHINED RIP-BAP EROSION CONTROL BLOCK - ARMORLOC (OR APPROVED EQUAL)	36	CY SF	\$49.00 \$29.00		\$1,620.00 \$7,000.00
17	RED MAPLE TREES	3013	EA.	328.50 \$152.60		\$9,975.00 \$1,064.00	18	RED MAPLE TREES	300	EA.	\$150.00		\$1,050.00
19	SWEETSHRUB	9	EA	\$152.00		\$1,368.00	19	SWEETSHRUB	g	EA	\$100.00		\$900.00
20	WATER OAK	7	FA	\$152.00		\$1,064.00	20	WATER DAK	7	EA	\$100.00		\$700.00
E02 PT	8" CL 350 PUSH JOINT DUCTILE IRON WATER LINE FOR REPLACEMENT (INSIDE ROADWAY)	20	LF.	\$152.00 \$235.00		\$1,064.00	21	8" CL 350 PUSH JOINT DUCTILE IRON WATER LINE FOR REPLACEMENT (INSIDE ROADWAY)	20	EF.	\$100 00 \$88.00		\$1,760.00
		20		Jan. 33. 34		\$4.160.00		8° CL 350 PUSH JOINT DUCTILE IRON WATER LINE	2.5		W112.1.11		27,740 00
22	8' CL 350 PUSH JOINT DUCTILE (RON WATER LINE FOR REPLACEMENT (OUTSIDE ROADWAY) 8' CL 350 RESTRAINED JOINT DUCTILE IRON	200	UF.	\$110.00		\$22,060 00	22	FOR REPLACEMENT (OUTSIDE ROADWAY)  8°CL 350 RESTRAINED JOINT DUCTILE IRON	200	LF	\$70.00		\$14,000.00
	WATER LINE FOR REPLACEMENT (OUTSIDE						i	WATER LINE FOR REPLACEMENT (OUTSIDE					
23	ROADWAY)	96	ĹF	\$120.00		\$9,600.00	23	ROADWAY)	80	LF	\$110.00		\$8,800.00
24	8" GATE VALVES	2	EA	90.003,72		\$2,000.00	24	8" GATE VALVES	2	ξA	\$1,762.00		\$3,524.00
25	6' GATE VALVEE	2	EA	\$800.00		\$1,600.00	25	6' GATE VALVES	2 5	EA EA	\$1,562.00	-	\$3,124.00 \$3,660.00
26 27	CONNECTION TO EXISTING SYSTEM  CUT & CAPPLUG EXISTING LINE.	2	EA.	\$650.00 \$650.00	*	\$1,300.00 \$1,300.00	26 27	CONNECTION TO EXISTING SYSTEM CUT & CAPIPLUS EXISTING LINE	2	EA SA	\$1,800.05 \$400.09		\$3,960.00 \$8,000.00
2.7 2.8	CONCRETE WATERLINE ENCASEMENT	40	EA.	\$50.00	*	\$1,390.90	27	CONCRETE WATERLINE ENCASEMENT	40	UP.	\$400.00 \$20.00		\$800.00
***********	TOTAL BASE BID					\$298,187.25	1	TOTAL BASE BID					\$234.891.00
29	OVERDEPTH EXCAVATION AND BACKFILL	5	GY :	\$47.00		\$235.00	29	OVERDEPTH EXCAVATION AND BACKFILL	5	CY	\$50,00	-	\$250.00
30	MISCELLANEOUS CONCRETE (TEOT CLASS D 4 000 PSB	10	CY	\$120,00		\$1,200.00	30	MISCELLANEOUS CONCRETE (TDOT CLASS D 4 000 PSI)	10	GY	£150.00		\$1,500.00
31	PROJECT CONTINGENCY	ĹS	^	-	\$10,006.00	\$10,000.00	31	PROJECT CONTINGENCY	LS			\$10,000.00	\$10,000.00
	TOTAL CONTINGENT BID					\$11,435.00	+	TOTAL CONTINGENT BID					\$11,750.00
	TOTAL BASE BID AND CONTINGENT BID					\$389,622.25		TOTAL BASE BID AND CONTINGENT BID					\$246,841.00

	LIBERTY CREE	(TIFIED BID T K WATER QL RANKLIN, TE ID DATE: MA	JALITY IMP			CERTIFIED BIO TABULATION LIBERTY CREEK WATER GUALITY MOFROVEMENTS FRANKLIN, TENNESSEE BIO DATE: MAY 19, 2011							
	Water Quality Improvements ENNESSEE			CARD CONTRACT 111 SOUTHBAST FRANKLIK TH 17	PRWY COURT			ok Water Quality Improvements TENNESSEE			SESSONE PAVE 6636 NORERTSO HASDOVILLE, TH	M AVENUE 17208	
TEM NO.	DESCRIPTION	QYY	UNIT	UNIT PRICE		TOTAL	ITEM NO	CESCRIPTION	217	uver	UNIT PROCE	LUMP SUM	TOTAL
***************************************								LIBERTY CREEK WATER QUALITY					
	LIBERTY CREEK WATER QUALITY		is.		\$85,000.00	\$65,000.00	1 .	IMPROVEMENTS	1	1.5		\$83,600 00	\$63,600.00
1	IMPROVEMENTS MINERAL AGGREGATE, TYPE A BASE, GRADING	4.	100		. 000,000	. 505,600,50	1	MINERAL AGGREGATE, TYPE A BASE, GRADING					
.2	D (TDOT item 303-61):	56	TON	\$20.00		\$1,120.00	2	D (TDOT Item 303-01)	56	TON.	\$35.00		\$1,960.00
	ASPHALT CONCRETE MIX (PG64-22) (BPM9-HM)						1	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM)					\$4,320.00
3	(GRADING B-M2) (TDOT Item 307-01.08)	32	TON:	\$90.00	4	\$2,880.00	3 -	(GRADING 8-M2) (TDCT Item 367-31.08)	.32	TON	\$135.00		34,320.00
	SAIN CUTTING ASPHALT PAVEMENT (TOOT IDEN							SAW CUTTING ASPHALT PAVEMENT (TDOT Item	260	if	\$2.50	2	\$680.00
4	407-20.06;	260	LF	52.00	2	\$520.00	4	ACS MIX (PG84-22) GRADING E ROWY (TOOT Item	200.	1.7	32.00		*******
4.	ACS MIX (PG64-22) GRADING E ROWY (TOOT Nem		20.00	\$80.00		\$6,000.00		411-01.11)	76	TON	\$150.00	*	\$11,250,00
-6	411-01.11)	76	TON	360.00		\$0,000.00	1 "	COLD PLANING BITUMINOUS PAVEMENT ITDOT					
	COLD PLANING BITUMINOUS PAVEMENT (TDOT lem 415-01.02)	780	SY	\$20.00		\$15,500.00		hem 415-01.02)	780	SY	\$14.00		\$10,926.00
6		55	LF.	5145.00		\$7,975,00	7	48" RCP - UNIMPROVED AREAS	56	:UF	\$150.00		\$8,250.00
-	48' RCP - UNIMPROVED AREAS						8	48" RCP ~ IMPROVED AREAS	35	LF.	\$185.00		\$6,475.00
8	48' RCP - IMPROVED AREAS	35	LE	5161,00	2 - 2	\$6,335.00		12:85 PRECAST OR CAST-IN-PLACE ARCHED	:30	-	2100.00		
	12 ME PRECAST OR CAST-IN-PLACE ARCHED				* 1 C C COD DO	\$155,000.00	9	CONCRETE SLAB BRIDGE	3 -	1.5		\$115,750.00	\$115,780.0
g	CONCRETE SLAB BRIDGE	3	LS		\$155,000,00	\$5,500.00	110	6'x6' JUNCTION BOX (4'-8' Depth)	ä	EA	09.608.82		\$5,800.00
10	E'xE' JUNCTION BOX (4"-8" Depith)	1: -	EA	\$5,500.00		\$2,500.00 \$2,500.00	111	HEADWALL (48" RCP)	1	EA	\$4,000.00	w	\$4,000.00
11	HEADWALL (46" RCP)	1	EA	\$2,500.00	\$8,509.00	\$8,500.00	12	TRAFFIC CONTROL	f	t.S	1	\$10,000.00	\$10,000,00
12	TRAFFIC CONTROL	3,	LS		89,000,00	80.800.00	1 "	TEMPORARY CONCRETE BARRIER (TDOT ITEM					
	TEMPORARY CONCRETE BARRIER (TDOT ITEM	646	LF:	\$96.00	- 6	\$24,960.06	13	712-02:02)	260	.LF -	\$30,00		\$7,600.00
13	712-02-02)	260	1.5 1.5	,386.00	\$9.000.00	\$8,000.00	14	EROSION CONTROL	1	LS	1	\$5,000.00	\$6,000.00
14	EROSIGN CONTROL	720	SF	\$5.00	#8,000.00	\$3,900.00	15	SEDIMENT FIBER MATTING	7.20	SF	\$2.00	*	\$1,440.00
15	SEDIMENT FIBER MATTING	36	CY	\$25.00		\$900.00	15	MACHINED RIP RAP	36	CY	\$50.00		\$1,800.00
16	MACHINED RIP-RAP EROSION CONTROL BLOCK - ARMORLOC (OR	30		1 22.00			1	EROSION CONTROL BLOCK - ARMORLOC (OR					
17	APPROVED EQUAL)	350	SE	\$45,00		\$15,750.00	17	APPROVED EQUAL)	350	SF	\$52.50		318.375.0
18	RED MAPLE TREES	7	EA	\$396.00		\$2,142.60	18	RED MAPLE TREES	7	FA	\$250.00		\$1.759.00
19	SWEETSHRUB	9	EA	\$54.00		\$486.00.	19	SWEETSHRUB	9	EA	\$60.00		\$540.00
20	WATER OAK	7	EA	\$342.00		\$2,394.00	20	WATER OAK	7	EA	\$250.00		\$1,750.00
200			4				1	8° CL 350 PUSH JOINT DUCTILE IRON WATER			1		
	8" CL 350 PUSH JOINT DUCTILE IRON WATER			505.50		\$1,600.00	21	LINE FOR REPLACEMENT (INSIDE ROADWAY)	20	UF	\$60.00		\$1,200.00
21	LINE FOR REPLACEMENT (INSIDE ROADWAY)	20	LF	\$80.00		g > ,000 00		Line Continue Continu					
								8" CL 350 PUSH JOINT DUCTILE IRON WATER					
	8" CL 359 PUSH JOINT DUCTILE IRON WATER						22	LINE FOR REPLACEMENT (OUTSIDE ROADWAY)	200	LF.	\$60.00		\$12,000.0
22	LINE FOR REPLACEMENT (DUTSIDE ROADWAY)	200	LF.	\$45.00		\$9.000.00	- 22			-	1		
	8" CL 360 RESTRAINED JOINT DUCTILE IRON			F			1	8" CL 350 RESTRAINED JOINT DUCTILE IRON WATER LINE FOR REPLACEMENT (OUTSIDE			1		
	WATER: LINE FOR REPLACEMENT (OUTSIDE					04.000.00	23	ROADWAY)	89	U	\$60.00		\$4,800,00
23	ROADWAY)	80	UF.	\$50.00		\$4,000.00 \$3,000.00	23	8" GATE VALVES	3	EA	\$1.850.00		\$3,700.00
24	8" GATE VALVES	2	EA	51,500.00		\$3,000.00	25	6" GATE VALVES	2	EA	\$1,500.00		\$3,000.00
25	6" GATE VALVES	2	EA EA	\$1,150.00 \$2,960.00		\$5,900.00	26	CONNECTION TO EXISTING SYSTEM	2	EA	\$2,000.00		\$4,000.00
26	CONNECTION TO EXISTING SYSTEM	2	EA	\$500.00		\$1,000,00	27	CUT & CAP/PLUG EXISTING LINE	2	EA	\$750 00		\$1,500.00
27	CUT & CAPIPLUS EXISTING LINE CONCRETE WATERLINE ENCASEMENT	40	LF	\$100.00		\$4,000.00	28	CONCRETE WATERLINE ENGASEMENT	40	LF.	\$82.50		\$3,300.00
						\$366,962.00	T	TOTAL BASE BID					\$315,930.0
	TOTAL BASE BID OVERDEPTH EXCAVATION AND BACKFILL	5	CY	\$100.00	······································	\$500.00	29	OVERDEPTH EXCAVATION AND BACKFILL	5	CY	\$75.00		\$375.00
29	MISCELLANEOUS CONCRETE (TDOT CLASS D	,	~ 1	1			1	MISCELLANEOUS CONCRETE (TOOT CLASS D			1		
30	4.000 PSII	10	CY	\$150.00		\$1,500.00	30	4,000 PS()	10	CY	\$400.00	#10 000 OF	\$4,000.00
31	PROJECT CONTINGENCY	LS	-		\$10,000.00	\$10,000.00	31	PROJECT CONTINGENCY	ĹS		<del></del>	\$10,000.00	\$10,000.0
	TOTAL CONTINGENT BID					\$12,000.00		TOTAL CONTINGENT BID					\$14.375.0
	TUTAL CONTRINSENT DID			<del>                                     </del>		127	1						
	TOTAL BASE BID AND CONTINGENT BID			1		\$378,962.00	1	TOTAL BASE BID AND CONTINGENT BID			Ī		\$330,305.0

&

I DO HEREBY CERTIFY THAT THIS A TRUE

AND CORRECT COPY OF BIDS RECEIVED

GDM, Inc.

JAG h Zack Daniel, P.E. (

LICENSE NO: 110068