

MEMORANDUM

February 3, 2010

TO: Board of Mayor and Aldermen

FROM: Eric J. Gardner, P.E., Director of Engineering
Eric S. Stuckey, City Administrator *ESS*
David Parker, P.E., City Engineer

SUBJECT: Carothers Phase II Project Final Change Order

Purpose

The purpose of this memo is to recommend approval of the Final Change Order for the Carothers Phase II Project and to close out this contract.

Background

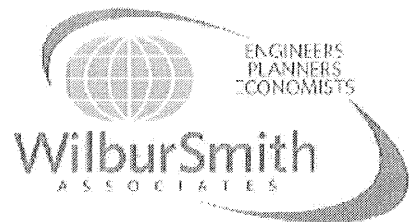
BOMA approved the construction contract with K.W. Lankford Excavating for the Carothers Phase II Project on September 23, 2008. The total bid price for the project was \$5,787,228.09. As part of the construction contract, an early incentive bonus was included. The maximum amount of the bonus was \$120,000.00. The contractor completed the project early enough to be awarded the full bonus. At this time, the contractor has fulfilled its obligations as part of the construction contract and has submitted its final pay request.

Financial Impact

The maximum bonus of \$120,000.00 has been paid to the contractor in a previous pay application. Even with the full bonus paid, there will be a DEDUCT of \$160.80 from the construction contract with K.W. Lankford Excavating. The final construction contract amount will be \$5,787,067.29.

Recommendation

Approval of the Final Change Order to close this project with K.W. Lankford Excavating with a DEDUCT of \$160.80 is recommended.



January 21, 2010

Mr. Eric Gardner, PE
Director of Engineering
City of Franklin
109 3rd Avenue South
Franklin, TN 37065

6640 Carothers Parkway, Suite 160
Franklin, TN 37067
Tel (615) 771-2466
Fax (615) 778-9733
www.wilbursmith.com

Re: Carothers Parkway Phase II – Final Change Order CIP Project # 431000607

Dear Mr. Gardner:

I am pleased to report to you that the Carothers Parkway Phase II project is complete. All items of work have been inspected and are complete. As of 1/12/2010 I have received the final Affidavit of Payment from K.W. Lankford Excavating certifying payment in full to all of their Sub-Contractors, vendors, and employees. I have release of liens and claims from all of the Subcontractors and vendors used on the Carothers Parkway Phase II project and placed in the project files.

I have received Guaranty-Warranty letters from the Prime contractor K.W. Lankford Excavating and all of their subcontractors used on the Carothers Parkway Phase II project warranting the project for a period of one year from the substantial completion date of October 15th 2009.

The total bid price for the Carothers Parkway Phase II project is \$5,787,228.09. The Board of Mayor and Aldermen approved this contract for Construction Services on September 23rd, 2008. The final cost of construction is \$5,787,067.29. This is a savings of \$160.80 from the total bid price finishing the project on time and under budget.

It has been a pleasure to work with you on this exciting project. If you have any questions about this project please feel free to call (615) 771-2466. Thank you again.

If you have any questions regarding our review of the pay request, please feel free to give me a call. Again, thank you for the opportunity to continue our partnership with the City of Franklin.

Yours Very Truly,

Wilbur Smith Associates

Jim Sarr, PE
Project Engineer

Albany NY, Anaheim CA, Atlanta GA, Austin TX, Baltimore MD, Bangkok Thailand, Binghamton NY, Burlington VT, Charleston SC, Charleston WV, Chicago IL, Cincinnati OH, Cleveland OH, Columbia SC, Columbus OH, Dallas TX, Dubai UAE, Falls Church VA, Franklin TN, Greenville SC, Harrisburg PA, Hong Kong, Hot Springs AR, Houston TX, Iselin NJ, Jacksonville FL, Kansas City MO, Kenmore WA, Knoxville TN, Lansing MI, Lexington KY, Lisle IL, London UK, Milwaukee WI, Mumbai India, Myrtle Beach SC, New Haven CT, Orlando FL, Philadelphia PA, Pittsburgh PA, Portland ME, Poughkeepsie NY, Raleigh NC, Richmond VA, Riyadh Saudi Arabia, Salt Lake City UT, San Diego CA, San Francisco CA, St. Paul MN, Savannah GA, Tallahassee FL, Tampa FL, Tempe AZ, Trenton NJ, Washington DC

Employee-Owned Company

CAROTHERS PARKWAY PHASE II CIP PROJECT # 431000607
FINAL CHANGE ORDER

ITEM #	ITEM DESCRIPTION	UNIT	UNIT PRICE	CONTRACT QUANTITY	CONTRACT AMOUNT	QTY PD TO DATE	TOTAL \$ AMT PAID	\$\$\$ OVER/ UNDER	% OVER/ UNDER
105.01	CONSTRUCTION STAKES, LINES & GRADES	LS	\$31,000.00	1	\$31,000.00	1	\$31,000.00	\$0.00	0.00
201.01	CLEARING AND GRUBBING	LS	\$60,000.00	1	\$60,000.00	1	\$60,000.00	\$0.00	0.00
203.01	ROAD AND DRAINAGE EXC (UNCLASS)	CY	\$4.46	151020	\$673,549.20	161646.88	\$720,945.08	\$47,395.88	6.57
203.02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	CY	\$7.00	1	\$7.00	0	\$0.00	-\$7.00	-100.00
203.04	PLACING AND SPREADING TOPSOIL	CY	\$5.00	2986	\$14,930.00	2986	\$14,930.00	\$0.00	0.00
203.05	UNDERCUTTING	C.Y.	\$4.00	5417	\$21,668.00	5072.23	\$20,288.92	-\$1,379.08	-6.80
203.06	WATER	M.G.	\$8.00	1249	\$9,992.00	239	\$1,912.00	-\$8,080.00	-422.59
209.02.07	18" TEMPORARY SLOPE DRAIN	LF	\$21.30	1	\$21.30	0	\$0.00	-\$21.30	-100.00
209.03	CHECK DAMS	SF	\$4.30	100	\$430.00	100	\$430.00	\$0.00	0.00
209.05	SEDIMENT REMOVAL	CY	\$2.20	527	\$1,159.40	264	\$580.80	-\$578.60	-99.62
209.06.11	WATTLE (20 INCH)	LF	\$6.20	1	\$6.20	0	\$0.00	-\$6.20	-100.00
209.08.02	TEMPORARY SILT FENCE (WITH BACKING)	LF	\$3.00	5125	\$15,375.00	1245	\$3,735.00	-\$11,640.00	-311.65
209.08.03	**TEMPORARY SILT FENCE (WITHOUT BACKING)**	LF	\$2.20	5609	\$12,339.80	5608	\$12,339.80	\$0.00	0.00
209.08.04	TEMPORARY ENHANCED SILT FENCE (WITH BACKING)	LF	\$5.50	1	\$5.50	0	\$0.00	-\$5.50	-100.00
209.09.01	SANDBAGS	BAG	\$2.50	300	\$750.00	150	\$375.00	-\$375.00	-100.00
209.10.01	TEMPORARY DEWATERING STRUCTURE	CY	\$12.00	10	\$120.00	0	\$0.00	-\$120.00	-100.00
303.01	MINERAL AGGR, TYPE A BASE, GR D	TON	\$11.00	23255	\$255,805.00	21380.52	\$235,185.72	-\$20,619.28	-8.77
303.10.01	MINERAL AGGREGATE (SIZE 57)	TON	\$16.40	1591	\$26,092.40	720.3	\$11,812.92	-\$14,279.48	-120.88
303.10.02	MINERAL AGGREGATE (SIZE 2)	TON	\$16.40	200	\$3,280.00	114.64	\$1,880.10	-\$1,399.90	-74.46
307.01.08	ASPH CONC MX (PG64-22) GRADE BM2	TON	\$89.00	730	\$64,970.00	531.22	\$47,278.58	-\$17,691.42	-37.42
307.02.01	ASPH CONC MX (PG70-22) GRADE A	TON	\$71.00	7413	\$526,323.00	5894.69	\$418,522.99	-\$107,800.01	-25.76
307.02.08	ASPH CONC MX (PG70-22) GRADE B-M2	TON	\$80.00	5463	\$437,040.00	4777.13	\$382,170.40	-\$54,869.60	-14.36
402.01	BITUMINOUS MATERIAL (PRIME COAT)	TON	\$690.00	49	\$33,810.00	17.83	\$12,302.70	-\$21,507.30	-174.82
402.02	AGGREGATE FOR COVER MATERIAL (PC)	TON	\$19.00	175	\$3,325.00	224.08	\$4,257.52	\$932.52	21.90
403.01	BITUMINOUS MATERIAL (TACK COAT)	TON	\$690.00	6	\$4,140.00	6.24	\$4,305.60	\$165.60	3.85
411.01.10	ACS MIX (PG64-22) GRADING D	TON	\$106.00	509	\$53,954.00	444.15	\$47,079.90	-\$6,874.10	-14.60
411.02.10	ACS MIX (PG70-22) GRADING D	TON	\$93.00	3256	\$302,808.00	4806.34	\$446,989.62	\$144,181.62	32.26
415.01.02	COLD PLANING BITUMINOUS PAVEMENT	SY	\$2.50	8768	\$21,920.00	18562	\$46,405.00	\$24,485.00	52.76
502.05	CALCIUM CHLORIDE (TYPE 1)	BAG	\$15.50	1	\$15.50	0	\$0.00	-\$15.50	-100.00
607.03.02	18 CONC PIPE CULVERT (CLASS III)	LF	\$54.80	4328	\$237,174.40	4328	\$237,174.40	\$0.00	0.00
607.05.02	24 CONC PIPE CULVERT (CLASS III)	LF	\$67.80	525	\$35,595.00	495	\$33,561.00	-\$2,034.00	-6.06
611.01.02	MANHOLES > 4'-8" DEPTH	EACH	\$2,311.10	1	\$2,311.10	1	\$2,311.10	\$0.00	0.00
611.02.11	JUNCTION BOX, TYPE 2	EACH	\$2,686.50	2	\$5,373.00	2	\$5,373.00	\$0.00	0.00

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611.07.01	CLASS A CONCRETE (PIPE ENDWALLS)	CY	\$936.10	12	\$11,233.20	10.56	\$9,885.22	-\$1,347.98	-13.64
611.07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB	\$1.20	132	\$158.40	120	\$144.00	-\$14.40	-10.00
611.09.01	ADJUSTING OF EXISTING CATCHBASIN	EACH	\$708.70	2	\$1,417.40	3	\$2,126.10	\$708.70	33.33
611.09.03	CAPPING EXISTING CATCHBASIN	EACH	\$920.70	6	\$5,524.20	6	\$5,524.20	\$0.00	0.00
611.12.01	CATCHBASIN, TYPE 12, 0'-4' DEPTH	EACH	\$1,648.10	2	\$3,296.20	2	\$3,296.20	\$0.00	0.00
611.12.02	CATCHBASIN, TYPE 12, > 4'-8' DEPTH	EACH	\$1,629.20	36	\$58,651.20	36	\$58,651.20	\$0.00	0.00
611.14.02	CATCH BASIN, TYPE 14, > 4' - 8' DEPTH	EACH	\$2,959.50	11	\$32,554.50	11	\$32,554.50	\$0.00	0.00
611.91.00	WATER QUALITY UNIT (MODEL # 956)	EACH	\$19,547.40	3	\$58,642.20	3	\$58,642.20	\$0.00	0.00
611.91.01	WATER QUALITY UNIT (MODEL # 646)	EACH	\$19,547.40	5	\$97,737.00	5	\$97,737.00	\$0.00	0.00
701.01.01	CONCRETE SIDEWALK (4 INCHES)	SF	\$3.10	27692	\$85,845.20	27687	\$85,829.70	-\$15.50	-0.02
701.02	CONCRETE DRIVEWAY	SF	\$7.90	800	\$6,320.00	936	\$7,394.40	\$1,074.40	14.53
701.02.01	CONCRETE HANDICAP RAMP	SF	\$14.50	1717	\$24,896.50	1714	\$24,853.00	-\$43.50	-0.18
702.03	CONCRETE COMBINED CURB & GUTTER	CY	\$159.50	1150	\$183,425.00	1148.04	\$183,112.38	-\$312.62	-0.17
707.03.01	STOCK FENCE	LF	\$4.60	9300	\$42,780.00	9265	\$42,619.00	-\$161.00	-0.38
707.03.03	STOCK FENCE GATE (12')	EACH	\$600.00	2	\$1,200.00	2	\$1,200.00	\$0.00	0.00
709.05.06	MACHINED RIP-RAP (CLASS A-1)	TON	\$20.30	90	\$1,827.00	87.91	\$1,784.57	-\$42.43	-2.38
710.04	FILTER CLOTH UNDERDRAIN (WITH PIPE)	LF	\$4.30	0	\$0.00	0	\$0.00	\$0.00	0.00
712.01	TRAFFIC CONTROL	LS	\$13,546.00	1	\$13,546.00	1	\$13,546.00	\$0.00	0.00
712.02.02	INTERCONNECTED PORTABLE BARRIER RAIL	LF	\$21.50	200	\$4,300.00	120	\$2,580.00	-\$1,720.00	-66.67
712.04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	\$39.00	60	\$2,340.00	25	\$975.00	-\$1,365.00	-140.00
712.05.01	WARNING LIGHTS (TYPE A)	EACH	\$55.00	24	\$1,320.00	22	\$1,210.00	-\$110.00	-9.09
712.06	SIGNS (CONSTRUCTION)	SF	\$7.00	149	\$1,043.00	273.5	\$1,914.50	\$871.50	45.52
712.07.03	TEMPORARY BARRICADES (TYPE III)	LF	\$15.00	84	\$1,260.00	110	\$1,650.00	\$390.00	23.64
712.09.01	REMOVABLE PAVEMENT MARKING LINE	LF	\$3.00	500	\$1,500.00	733	\$2,199.00	\$699.00	31.79
712.09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	LF	\$5.00	1	\$5.00	0	\$0.00	-\$5.00	-100.00
712.09.03	REMOVABLE PAVEMENT MARKING (CHANNELIZATION STRIPING)	SY	\$18.00	90	\$1,620.00	53.333	\$959.99	-\$660.01	-68.75
713.11.02	PERFORATED KNOCKOUT SQUARE TUBE POST	LB	\$4.80	1041	\$4,996.80	872.1	\$4,186.08	-\$810.72	-19.37
713.13.02	FLAT SHEET ALUMINUM SIGNS (0.080"TK)	SF	\$13.00	173	\$2,249.00	197.75	\$2,570.75	\$321.75	12.52
713.13.03	FLAT SHEET ALUMINUM SIGNS (0.100"TK)	SF	\$15.00	26	\$390.00	9	\$135.00	-\$255.00	-188.89
713.16.07	END OF ROADWAY SIGN AND SUPPORT	EACH	\$180.00	4	\$720.00	4	\$720.00	\$0.00	0.00
713.16.20	SIGNS (R10-3b, 10" x 12")	EACH	\$211.00	0	\$0.00	0	\$0.00	\$0.00	0.00
713.16.21	SIGNS (R10-10, 24" x 30")	EACH	\$224.00	11	\$2,464.00	11	\$2,464.00	\$0.00	0.00
713.16.22	SIGNS (R10-12, 24" x 30")	EA	\$224.00	1	\$224.00	1	\$224.00	\$0.00	0.00
713.16.23	SIGNS (INTERNALLY ILLUMINATED SIGNS, MAST ARM MOUNTED)	EACH	\$4,455.00	5	\$22,275.00	5	\$22,275.00	\$0.00	0.00
716.02.01	PLASTIC PAVEMENT MARKING (4" LINE)	LM	\$3,000.00	4.3	\$12,900.00	5.953	\$17,859.00	\$4,959.00	27.77

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716.02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	SY	\$35.00	70	\$2,450.00	27.111	\$948.89	-\$1,501.12	-158.20
716.02.05	PLAST PAVMT MARK (STOP LINE)	LF	\$15.00	220	\$3,300.00	234	\$3,510.00	\$210.00	5.98
716.02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	\$200.00	22	\$4,400.00	39	\$7,800.00	\$3,400.00	43.59
716.02.08	PLAST PAVMT MARK (3 DOTTED LINE)	LF	\$4.50	174	\$783.00	434	\$1,953.00	\$1,170.00	59.91
716.02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	LF	\$30.00	481	\$14,430.00	940	\$28,200.00	\$13,770.00	48.83
716.02.11	PLAST PAVMT MARK (8" BARRIER LINE)	LF	\$2.50	611	\$1,527.50	611	\$1,527.50	\$0.00	0.00
716.04.03	PLAS PAVMT MK (4" DOTTED LINE)	LF	\$3.50	1	\$3.50	0	\$0.00	-\$3.50	-100.00
716.04.05	PLAS PAVMT MK (4" STRAIGHT ARROW)	LF	\$2.00	302	\$604.00	806	\$1,612.00	\$1,008.00	62.53
716.04.15	PLAS PAVMT MK (4" BIKE SYMBOL/ARROW)	EACH	\$200.00	0	\$0.00	0	\$0.00	\$0.00	0.00
716.05.01	PAINTED PAVEMENT MARKING (4" LINE)	LM	\$625.00	4	\$2,500.00	6	\$3,750.00	\$1,250.00	33.33
716.05.02	PAINTED PAVEMENT MARKING (STOP LINE)	LF	\$800.00	1.5	\$1,200.00	2,406	\$1,924.80	\$724.80	37.66
717.01	MOBILIZATION	LF	\$1.50	220	\$330.00	374	\$561.00	\$231.00	41.18
725.03.25	CAMERA POLE & FOUNDATION TYPE II (50FT W/LOWERING DEVICE)	LS	\$63,700.00	1	\$63,700.00	1	\$63,700.00	\$0.00	0.00
725.03.26	LOWERING TOOL FOR CAMERA LOWERING DEVICE	EACH	\$25,166.00	1	\$25,166.00	1	\$25,166.00	\$0.00	0.00
725.03.37	CCTV CAMERA	EACH	\$3,295.00	1	\$3,295.00	1	\$3,295.00	\$0.00	0.00
725.05.05	FIBER OPTIC FOR CCTV (6 STRAND LOOSE TUBE SIGNAL MOD)	EACH	\$12,860.00	1	\$12,860.00	1	\$12,860.00	\$0.00	0.00
730.01	TRAFFIC SIGNALS	LF	\$2.50	0	\$0.00	0	\$0.00	\$0.00	0.00
730.02.09	SIGNAL HEAD ASSEMBLY (130 W/BACKPLATE)	LS	\$1,285.00	1	\$1,285.00	1	\$1,285.00	\$0.00	0.00
730.02.10	SIGNAL HEAD ASSEMBLY (130 A2 W/ BACKPLATE, LEFT)	EACH	\$983.00	12	\$11,196.00	12	\$11,196.00	\$0.00	0.00
730.02.17	SIGNAL HEAD ASSEMBLY (150 A2H W/ BACKPLATE, 1L, 6R)	EACH	\$827.00	10	\$8,270.00	10	\$8,270.00	\$0.00	0.00
730.02.18	SIGNAL HEAD ASSEMBLY (150 A2V RIGHT)	EACH	\$1,609.00	7	\$11,263.00	7	\$11,263.00	\$0.00	0.00
730.03.21	INSTALL PULL BOX (SIGNAL TYPE B)	EACH	\$1,422.00	6	\$8,532.00	6	\$8,532.00	\$0.00	0.00
730.03.23	INSTALL PULL BOX (FIBER OPTIC-TYPE A)	EACH	\$496.00	28	\$13,888.00	29	\$14,384.00	\$496.00	3.45
730.05.01	ELECTRICAL SERVICE CONNECTION	EACH	\$1,423.00	0	\$0.00	0	\$0.00	\$0.00	0.00
730.05.03	SERVICE CABLE - (2 CONDUCTOR, #6 AWG)	EACH	\$4,249.00	2	\$8,498.00	2	\$8,498.00	\$0.00	0.00
730.08.01	SIGNAL CABLE - 3 CONDUCTOR	LF	\$1.80	820	\$1,476.00	90	\$1,620.00	-\$1,314.00	-81.11
730.08.02	SIGNAL CABLE - 5 CONDUCTOR	LF	\$1.00	2965	\$2,965.00	2975	\$2,975.00	\$10.00	0.34
730.08.03	SIGNAL CABLE - 7 CONDUCTOR	LF	\$1.10	1930	\$2,123.00	2343	\$2,577.30	\$454.30	17.63
730.12.01	CONDUIT 1 DIAMETER (PVC)	LF	\$1.30	6845	\$8,898.50	6017	\$7,822.10	-\$1,076.40	-13.76
730.12.02	CONDUIT 2 DIAMETER (PVC)	LF	\$4.80	170	\$816.00	460	\$2,208.00	\$1,392.00	63.04
730.12.03	CONDUIT 3 DIAMETER (PVC)	LF	\$5.50	2495	\$13,722.50	2217	\$12,193.50	-\$1,529.00	-12.54
730.13.01	VEHICLE DETECTOR (SINGLE CHANNEL SHELF MOUNT)	LF	\$7.10	1959	\$13,908.90	1967	\$13,965.70	\$56.80	0.41
730.13.06	VEHICLE DETECTOR (OPTICALLY ACTIVATED PRIORITY CONTROL)	EACH	\$365.00	0	\$0.00	0	\$0.00	\$0.00	0.00
730.14.01	SHIELDED DETECTOR CABLE	EACH	\$1,884.00	5	\$9,420.00	5	\$9,420.00	\$0.00	0.00
		LF	\$0.80	13425	\$10,740.00	13571	\$10,856.80	\$116.80	1.08

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730.14.02	SAW SLOT	LF	\$4.40	2225	\$9,790.00	2653	\$11,673.20	\$1,883.20	16.13
730.14.03	LOOP WIRE	LF	\$0.70	6175	\$4,322.50	7339	\$5,137.30	\$814.80	15.86
730.14.04	DETECTOR CABLE MODEL 138	LF	\$3.00	80	\$240.00	1085	\$3,255.00	\$3,015.00	92.63
730.15.32	CABINET (EIGHT PHASE BASE MOUNTED)	EACH	\$21,575.00	1	\$21,575.00	1	\$21,575.00	\$0.00	0.00
730.16.02	EIGHT PHASE ACTUATED CONTROLLER	EACH	\$3,142.00	1	\$3,142.00	1	\$3,142.00	\$0.00	0.00
730.16.14	CONTROLLER (EAGLE EPAC 3108-M52 W/COMM. MOD. ADD 15288P009)	EACH	\$3,142.00	1	\$3,142.00	1	\$3,142.00	\$0.00	0.00
730.23.30	PEDESTAL POLE	EACH	\$1,245.00	10	\$12,450.00	10	\$12,450.00	\$0.00	0.00
730.23.31	PEDESTAL POLE (PEDESTRIAN PUSH BUTTON POST)	EACH	\$1,268.00	1	\$1,268.00	1	\$1,268.00	\$0.00	0.00
730.23.96	CANTILEVER SIGNAL SUPPORT (1 @ 70')	EACH	\$21,699.00	1	\$21,699.00	1	\$21,699.00	\$0.00	0.00
730.23.97	CANTILEVER SIGNAL SUPPORT (1 @ 75')	EACH	\$22,202.00	1	\$22,202.00	1	\$22,202.00	\$0.00	0.00
730.23.98	CANTILEVER SIGNAL SUPPORT (1 @ 80')	EACH	\$26,077.00	1	\$26,077.00	1	\$26,077.00	\$0.00	0.00
730.23.99	CANTILEVER SIGNAL SUPPORT (1 @ 85')	EA	\$28,180.00	1	\$28,180.00	1	\$28,180.00	\$0.00	0.00
730.26.01	PEDESTRIAN SIGNAL DISPLAY	EACH	\$617.00	4	\$2,468.00	4	\$2,468.00	\$0.00	0.00
730.26.02	PEDESTRIAN PUSH BUTTON WITH SIGN	EA	\$359.00	13	\$4,667.00	13	\$4,667.00	\$0.00	0.00
730.26.05	COUNTDOWN PEDESTRIAN SIGNAL	EA	\$754.00	8	\$6,032.00	8	\$6,032.00	\$0.00	0.00
740.10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	\$4.30	1073	\$4,613.90	500	\$2,150.00	-\$2,463.90	-114.60
801.01	SEEDING (WITH MULCH)	UNIT	\$41.90	0	\$0.00	0	\$0.00	\$0.00	0.00
801.01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	\$34.90	0	\$0.00	0	\$0.00	\$0.00	0.00
801.03	WATER (SEEDING & SODDING)	MG	\$100.00	136	\$13,600.00	1569.56	\$156,956.00	\$143,356.00	91.34
803.01	SODDING (NEW SOD)	SY	\$3.00	16836	\$50,508.00	42672	\$128,016.00	\$77,508.00	60.55
805.12.02	EROSION CONTROL BLANKET (TP II)	SY	\$2.50	0	\$0.00	0	\$0.00	\$0.00	0.00
920.10.04	MAST ARM VIBRATION DAMPENING DEVICE	EACH	\$1,378.00	4	\$5,512.00	4	\$5,512.00	\$0.00	0.00
920.10.05	GATOR PATCH AND SPLICE	LS	\$1,473.00	1	\$1,473.00	2	\$2,946.00	\$1,473.00	50.00
920.12.04	EXTERUS CAUSULA SOLUTUM (CONTINGENCY)	LS	\$169,918.83	1	\$169,918.83		\$84,995.85	-\$84,922.98	-99.91
920.12.05	MVUD TAP FEE	LS	\$8,000.00	1	\$8,000.00	1	\$8,000.00	\$0.00	0.00
H 1.0	STONE MASONRY COLUMNS	EACH	\$10,100.00	4	\$40,400.00	4	\$40,400.00	\$0.00	0.00
H 2.0	IRRIGATION SYSTEM	L.S.	\$110,893.96	1	\$110,893.96	1	\$110,893.96	\$0.00	0.00
H 3.0	TREE PROTECTION FENCING	LF	\$2.02	0	\$0.00	0	\$0.00	\$0.00	0.00
H 4.0	PLANTING	LS	\$68,706.56	1	\$68,706.56	1	\$68,706.56	\$0.00	0.00
802.01.10	OCTOBER GLORY RED MAPLE (2"-2 1/2" CALIPER, 8'-10' HEIGHT)	EACH	\$319.44	16	\$5,111.04	16	\$5,111.04	\$0.00	0.00
802.01.11	SERVICEBERRY (2"-2-1/2" CALIPER, 7'-8" HEIGHT)	EACH	\$309.14	19	\$5,873.66	19	\$5,873.66	\$0.00	0.00
802.01.12	REDBUD (8'-10' HEIGHT)	EACH	\$259.32	50	\$12,966.00	50	\$12,966.00	\$0.00	0.00
802.01.13	DOGWOOD (8'-10' HEIGHT)	EACH	\$299.56	16	\$4,792.96	16	\$4,792.96	\$0.00	0.00
802.01.14	AMERICAN HOLLY (6'-8" HEIGHT)	EACH	\$280.76	2	\$561.52	4	\$1,123.04	\$561.52	50.00
802.01.15	EASTERN RED CEDAR (2" MIN., 6'-7' HEIGHT)	EACH	\$217.03	78	\$16,928.34	78	\$16,928.34	\$0.00	0.00

ITEM #	ITEM DESCRIPTION	UNIT	PRICE	CONTRACT QUANTITY	CONTRACT AMOUNT	QTY PD TO DATE	TOTAL \$ AMT PAID	\$\$\$ UNDER	\$\$\$ OVER	% UNDER	% OVER
802.01.16	BLACK GUM (3"-3 1/2" CALIPER, 14'-16' HEIGHT)	EACH	\$639.17	5	\$3,195.85	5	\$3,195.85	\$0.00		0.00	
802.01.17	NUTTALL OAK (3"-3 1/2" CALIPER, 14'-16' HEIGHT)	EACH	\$49.83	14	\$7,694.82	14	\$7,694.82	\$0.00		0.00	
803.03.01	PURPLE BEAUTYBERRY (36" HEIGHT)	EACH	\$25.07	70	\$1,754.90	70	\$1,754.90	\$0.00		0.00	
803.03.02	WARREN RED HOLLY (3'-4" HEIGHT)	EACH	\$37.17	25	\$929.25	25	\$929.25	\$0.00		0.00	
803.03.03	VIRGINIA SWEETSPICE (24"-30" HEIGHT)	EACH	\$29.56	81	\$2,394.36	96	\$2,837.76	\$443.40		15.63	
802.04.70	BLACKKEYED SUSAN	EACH	\$13.76	422	\$5,806.72	519	\$7,141.44	\$1,334.72		18.69	
920.11.01	PVC SCHEDULE 40 2" TRENCH & BACKFILL	LF	\$5.56	7500	\$41,700.00	10231	\$56,894.36	\$15,184.36		26.69	
920.11.02	PVC SCHEDULE 40 3" TRENCH & BACKFILL	LF	\$6.77	4150	\$28,095.50	4620	\$31,277.40	\$3,181.90		10.17	
920.11.03	WIRE, 600V, SOLID *6 THWN	LF	\$0.55	42000	\$23,100.00	41520	\$22,836.00	-\$264.00		-1.16	
920.11.04	WIRE, 600V, SOLID *8 THWN	LF	\$0.88	0	\$0.00	0	\$0.00	\$0.00		0.00	
920.11.05	WIRE, 600V, SOLID *1 THWN	LF	\$0.62	12100	\$7,502.00	12098	\$7,500.76	-\$1.24		-0.02	
920.11.06	S1, STREET 30' POLE 2-250W	EACH	\$2,552.34	50	\$127,617.00	55	\$140,378.70	\$12,761.70		9.09	
920.11.07	LIGHT POLE CONCRETE BASE	EACH	\$1,240.12	50	\$62,006.00	43	\$53,325.16	-\$8,680.84		-16.28	
920.11.08	PULLBOXES	EACH	\$379.04	50	\$18,952.00	67	\$25,395.68	\$6,443.68		25.37	
920.11.09	TDOT TYPE 2 CITY FIBER PULL BOX	EACH	\$1,437.88	14	\$20,130.32	9	\$12,940.92	-\$7,189.40		-55.56	
920.11.10	IRRIGATION CIRCUIT INCLUDING FEES	L.S.	\$4,935.76	1	\$4,935.76	1	\$4,935.76	\$0.00		0.00	
W1	18" DIP CL 52 WATER LINE	LF	\$130.86	3800	\$497,268.00	3802	\$497,529.72	\$261.72		0.05	
W2	18" DIP CL 52 WATER LINE INSTALLED IN CASING W/ CASING SPACERS	LF	\$201.08	42	\$8,445.36	42	\$8,445.36	\$0.00		0.00	
W3	12" DIP CL 52 WATER LINE	LF	\$95.55	110	\$10,510.50	66	\$6,306.30	-\$4,204.20		-66.67	
W4	12" DIP CL 52 WATER LINE IN CASING W/ CASING SPACERS	LF	\$130.73	570	\$74,516.10	570	\$74,516.10	\$0.00		0.00	
W5	6" DIP CL 52 WATER LINE	LF	\$74.03	50	\$3,701.50	11	\$814.33	-\$2,887.17		-354.55	
W6	36" STEEL CASING, 0.5" WALL THICKNESS, INSTALLED IN OPEN CUT	LF	\$228.90	42	\$9,613.80	42	\$9,613.80	\$0.00		0.00	
W7	24" STEEL CASING, 0.375" WALL THICKNESS, INSTALLED IN OPEN CUT	LF	\$55.65	570	\$31,720.50	563	\$31,330.95	-\$389.55		-1.24	
W8	18" BUTTERFLY VALVE W/ VALVE BOX	EACH	\$2,785.65	9	\$25,070.85	9	\$25,070.85	\$0.00		0.00	
W9	12" GATE VALVE W/ VALVE BOX	EACH	\$2,176.65	12	\$26,119.80	11	\$23,943.15	-\$2,176.65		-9.09	
W10	6" GATE VALVE W/ VALVE BOX	EACH	\$1,002.75	6	\$6,016.50	6	\$6,016.50	\$0.00		0.00	
W11	5-1/4" INCH FIRE HYDRANT	EACH	\$1,732.50	6	\$10,395.00	6	\$10,395.00	\$0.00		0.00	
W12	CONNECT TO EXISTING 18" WATER LINE	EACH	\$5,775.00	1	\$5,775.00	1	\$5,775.00	\$0.00		0.00	
W13	12" X 12" TAPPING SLEEVE & VALVE W/ VALVE BOX	EACH	\$4,620.00	1	\$4,620.00	1	\$4,620.00	\$0.00		0.00	
W14	DI FITTINGS	LBS	\$3.15	8000	\$25,200.00	7574	\$23,858.10	-\$1,341.90		-5.62	
W15	18" MEGA LUG RESTRAINT DEVICE	EACH	\$248.85	36	\$8,958.60	56	\$13,935.60	\$4,977.00		35.71	
W16	12" MEGA LUG RESTRAINT DEVICE	EACH	\$103.95	26	\$2,702.70	38	\$3,950.10	\$1,247.40		31.58	
W17	8" MEGA LUG RESTRAINT DEVICE	EACH	\$39.90	8	\$319.20	14	\$558.80	\$239.40		42.86	
W18	1" TEST TAP ASSEMBLY	EACH	\$718.20	0	\$0.00	0	\$0.00	\$0.00		0.00	
SP 109 B	ADJUSTMENT FOR BITUMINOUS MATERIAL	LS	\$1.00	0	\$0.00	0	\$0.00	\$0.00		0.00	

ITEM #	ITEM DESCRIPTION	UNIT	UNIT PRICE	CONTRACT QUANTITY	CONTRACT AMOUNT	QTY PD TO DATE	TOTAL \$ AMT PAID	\$\$\$ OVER/ UNDER	% OVER/ UNDER
SF 2 EARLY	EARLY PROJECT COMPLETION INCENTIVE	LS	\$120,000.00	0	\$0.00	1	\$120,000.00	\$120,000.00	
920.11.33	LIGHT POLE SPREAD FOOTER	EACH	\$1,535.00	13	\$19,955.00	7	\$10,745.00	-\$9,210.00	-85.71
920.11.11	MILBANK METER PEDASTAL & MTEMC TRANSFORMER PAD	LS	\$19,272.00	1	\$19,272.00	1	\$19,272.00	\$0.00	0.00
920.11.12	DIRECTIONAL BORE FOR ADVANCED LOOPS AT CAROTHERS AND MCEV	LF	\$118.71	120	\$14,245.20	120	\$14,245.20	\$0.00	0.00
920.11.13	INSTALL LADDERS IN MTEMC MANHOLES MCEWEN DRIVE/CAROTHERS	EACH	\$4,830.00	2	\$9,660.00	2	\$9,660.00	\$0.00	0.00
770.01.01	RELOCATE MTEMC POWER POLE	LS	\$2,275.29	1	\$2,275.29	1	\$2,275.29	-\$0.00	0.00
920.11.28	MANHOLE - ELECTRIC (INSTALLATION ONLY)	EA	\$6,921.60	1	\$6,921.60	1	\$6,921.60	\$0.00	0.00
920.11.14	DUCT BANK EXTENSION 8-4" & 6-6" CONC (LIBERTY/CAROTHERS EXTEN)	LF	\$281.79	150	\$42,268.50	150	\$42,268.50	\$0.00	0.00
920.11.20	CONDUIT DUCT BANK 5-4" (LIBERTY/CAROTHERS EXTENSION)	LF	\$256.93	150	\$38,539.50	150	\$38,539.50	\$0.00	0.00
920.11.31	CONDUIT DUCT BANK 1-2" & 1-3" (LIBERTY/CAROTHERS EXTENSION)	LF	\$59.67	150	\$8,950.50	150	\$8,950.50	\$0.00	0.00
920.11.32	REMOVE/REPLACE EXISTING STORM DRAINWQU	L.S.	\$3,425.07	1	\$3,425.07	1	\$3,425.07	\$0.00	0.00
920.11.34	ADVANCED LOOP VEHICLE DETECTOR CABLE MCEWEN WEST	LF	\$9.10	385	\$3,503.50	385	\$3,503.50	\$0.00	0.00
802.04.71	INSTALL RAINGAUGE ON PHASE 1 CONTROLLER	LS	\$2,928.27	1	\$2,928.27	1	\$2,928.27	\$0.00	0.00
770.01.02	VEHICLE DETECTOR (FOUR CHANNEL, RACK MOUNT) MCEWEN/CAROT	LS	\$6,709.00	1	\$6,709.00	1	\$6,709.00	\$0.00	0.00
770.01.03	RACK MOUNT LOOP DETECTION LIBERTY PIKE AND MTEMC MANHOLE T	LS	\$7,191.00	1	\$7,191.00	1	\$7,191.00	\$0.00	0.00

TOTAL CONTRACT AMOUNT:	\$5,787,228.09
TOTAL AMOUNT PAID:	\$5,787,067.29

PROJECT UNDER: -\$160.80
\$160.80

This Final Change Order heretofore agreed by the Undersigned, in accordance with the terms of the Carothers Parkway Phase II contract documents does hereby warrant and guarantee the project complete and final in accordance with the approved plans and specifications and that all contractual obligations have been met and satisfied.

RECOMMENDED BY: (Construction Manager) Tom Lamb

APPROVED BY: (City of Franklin) Eric Gardner

APPROVED BY: (Contractor) Craig Streit

APPROVED BY: (Project Engineer) James Sarr

APPROVED BY: Ohio Farmers Insurance Company

C.I.P.
PROJECT #

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