

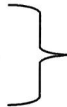
Request for Construction Change Change Order No. 5 (FINAL)

City of Franklin
 Engineering Office
 109 Third Avenue South
 Franklin, TN 37064

Contract No. 2012-0089
 Project Third Avenue North Extension

Whereas, we **The Parkes Companies** entered into a contract with the CITY OF FRANKLIN, on **August 14, 2012**, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered are not covered by the original contract, we desire to submit the following contract modifications to be performed by the Contractor and paid by the City at the prices scheduled therefore below:

Reason for Change Order:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. Modify contract time as follows: <ol style="list-style-type: none"> a. 26 calendar days for redesign of Wall#2 Extension using Redi-Rock b. 18 calendar days for unanticipated rock excavation for 5th Ave. sewer c. 62 calendar days for "weather impact" days d. 177 calendar days allowed for the elimination of any and all liquidated damage claims by the City and any and all additional monetary damage claims by the contractor. See attached Claim and Liquidated Damages letter dated September 19, 2014. 2. Adjust final cost / quantities per attached Change Order Summary. |  <p style="text-align: left; padding-left: 10px;">See letter dated
July 23, 2014</p> |
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CHANGE IN CONTRACT PRICE:
Original Contract Price \$ 4,795,129.72
Net (Decrease) from previous Change Orders No. 1 to 4: (\$173,952.75)
Contract Price prior to this Change Order: \$4,621,176.97
Net (Decrease) of this Change Order: (\$36,010.99)
Contract Price with all approved Change Orders: \$4,585,165.98

CHANGE IN CONTRACT TIMES:
Original Contract Times: Notice to Proceed: September 12, 2012 Ready for final payment: <u>365 Calendar days</u> (September 12, 2013)
Net change from previous Change Orders No. 1 to 4: <u>+120 calendar days</u>
Contract Times prior to this Change Order: Ready for final payment: <u>485 Calendar Days</u> (January 10, 2014)
Increase this Change Order: Ready for final payment: <u>283 calendar days</u>
Contract Times with all approved Change Orders: Ready for final payment: (768 Calendar days) (October 20, 2014)

Now, Therefore, We, **The Parkes Companies**, hereby agree to this Change Order consisting of the above mentioned items and prices, and agree that this Change Order is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except in so far as specifically modified by this Change Order.

RECOMMENDED FOR APPROVAL BY:

By: Misty McWilliams By: [Signature] By: [Signature]
ENGINEER CITY PROJECT MANAGER DIRECTOR OF ENIGNEERING
Date: 10/24/14 Date: 11/03/14 Date: 11/3/14

ACCEPTED

By: [Signature]
CONTRACTOR (Authorized Signature)
Date: 10/27/14

APPROVED:

By: _____
OWNER (Authorized Signature)
Date: _____



1427 Kensington Square Court
Murfreesboro, TN 37130
www.wiserconsultants.com
t 561.278.1500
f 561.278.1501

7/23/14

Mr. William Banks
City of Franklin engineering
109 Third Avenue South
Franklin, TN 37064

RE: Contract 2012-0089 Third Avenue Extension – Contract Time Extension Request from the Parkes Company – review and comments

Dear Mr. Banks,

This letter is intended to make modifications to my previous letter dated 4/9/14 in which I recommended a contract time extension for the above project.

Mr. Banks as you may recall, the City, Wiser, and The Parkes Companies had a meeting on June 3, 2014 to discuss contract time, liquidated damages, and possible alternatives to resolving conflicting views about what constitutes a "weather day". In an effort to remove "human judgment" as to classifying a "weather day", I began looking for a standard system that may be used within our local region. Fortunately, I was able to find that the State of Tennessee Department of General Services, Real Estate Asset Management (STREAM) Designers Manual provides a baseline for average days allowed per month for weather related delays. This information can be found at <http://www.tn.gov/generalserv/psm/rpa/documents/012620June2014.pdf>. Therefore, I am revising my recommendation to take into account this baseline. My recommendation is as follows:

1. At the request of the City and Wiser Consultants, the Parkes Companies and their subcontractor had the retaining wall element of the bridge crossing Sharpes Branch, redesigned using Redi-Rock product in an effort to match the newly constructed bridge. This redesign, delivery time for material, and construction of wall #2 extension took 26 calendar days to complete. **As a result of the requested change, I recommend the addition of 26 calendar days to the contract time for this item.**
2. During the excavation of the 5th Avenue sewer relocation for the Third Avenue project, the Parkes Companies encountered an enormous amount of unanticipated rock that had to be excavated to an average depth of 18'-20'. This rock was not indicated in the plans therefore the contractor assumed typical excavation times and practices for completion of the sewer installation. Contractor tried to hoe ram the rock for removal but eventually had to go to use blast and shot techniques for this removal. **As a result of the additional effort used to excavate the rock, I recommend the addition of 18 calendar days to the contract time for this item.**

As a result of the recommendations indicated above the contract completion date would be modified from January 10, 2014 to February 23, 2014.

It is in the opinion of the City and Wiser that we investigate and consider weather or weather related impact days from April 10, 2013 (the last day of the previous time extension's weather impact days) to February 23, 2014 (the newly proposed completion date). By using the baseline method, I find the following:

Month	Weather Days requested by Parkes Companies from letter dated May 23, 2014	Baseline Weather Days per State of TN	Weather Days Allowed
April 2013	12	7	5
May 2013	11	7	4
June 2013	15	6	9
July 2013	13	7	6
August 2013	8	5	3
September 2013	15	4	11
October 2013	11	5	6
November 2013	12	6	6
December 2013	15	11	4
January 2014	13	12	1
February 2014	18	11	7
		Total Days Allowed	62

As a result of applying the baseline method indicated above, I recommend the addition of 62 calendar days to the contract as “weather impact days”.

Therefore by allowing the addition of the 62 “weather impact” days, the contract completion date would be modified from February 23, 2014 to April 26, 2014.

I recommend that the City extended the contract completion date from January 10, 2014 to April 26, 2014 with the understanding that no further time extensions will be considered after the April 26, 2014 date. If the new contracted completion date is approved then the contractor would be charged liquidated damages at a contracted rate of \$1500 per day from April 27, 2014 through June 18, 2014 (Substantial Completion Date). If new contracted completion date is approved then the total liquidated damages due by contractor will be \$78,000 (52 days @ \$1500.00 / day).

Should you have any questions or concerns contact me via e-mail or phone.

Sincerely,

Marty McWilliams
Wiser Consultants



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September 19, 2014

William R. Evans III (Trey)
Direct Line: (615) 595-2433

Mr. William Banks
City of Franklin, TN
109 3rd Ave. S.
Franklin, TN 37064

Sent Via: E-mail

RE: 3rd Ave. N. Extension – Claim & Liquidated Damages

Dear Mr. Banks:

In regards to our claim for additional payments beyond what has already been billed for through our 9/19/14 pay app, The Parkes Companies, Inc. agrees to withdraw all claims on the 3rd Ave. N. project provided that the City of Franklin relinquishes all claims to liquidated damages and reimburses Parkes for all liquidated damage funds withheld to date immediately. The Parkes Companies, Inc. also agrees to not ask the City for any future claims on the 3rd Ave. N. project moving forward if all liquidated damage funds are released to us immediately.

Thank you for working with us to come to an amicable agreement here, and we look forward to working with the City of Franklin again in the future.

Sincerely,

SiteSolutions
A Parkes Company

William R. Evans III
Project Manager



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Item No.	Description	Units	Estimated Quantity	Unit Price	Total Quantity Used	Estimated Contract Cost	Actual Total Contract Cost	Difference between Final Cost and Estimated Cost	Additions	Deductions
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1	\$56,154.70	1.00	56,154.70	56,154.70	0.00	0.00	0.00
201-01	CLEARING AND GRUBBING	LS	1	\$10,605.00	1.00	10,605.00	10,605.00	0.00	0.00	0.00
202-02.01	REMOVAL OF PIPE (15" PIPE, 4TH AVE STA. 0+60)	L.F.	21	\$15.96	21.00	335.16	335.16	0.00	0.00	0.00
202-02.02	REMOVAL OF PIPE (18" PIPE, 4TH AVE STA. 1+47)	L.F.	10	\$16.75	10.00	167.50	167.50	0.00	0.00	0.00
202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	5798	\$3.60	6179.25	20,872.80	22,245.30	1,372.50	1,372.50	0.00
202-06.01	REMOVAL OF BUILDINGS (PARCEL 6.01) (METAL BARN)	LS	1	\$1,563.19	1.00	1,563.19	1,563.19	0.00	0.00	0.00
202-04.50	REMOVAL OF STRUCTURES (BOX CULVERT) (2-BARREL 12"x12")	LS	1	\$11,784.70	1.00	11,784.70	11,784.70	0.00	0.00	0.00
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	5378	\$12.51	5378.00	67,278.78	67,278.78	0.00	0.00	0.00
203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	1609	\$9.02	17.11	14,513.18	154.33	(14,358.85)	0.00	(14,358.85)
203-04	PLACING AND SPREADING TOPSOIL	C.Y.	4146	\$7.37	4146.00	30,556.02	30,556.02	0.00	0.00	0.00
203-05	UNDERCUTTING	C.Y.	200	\$53.29	3829.05	10,658.00	204,050.07	193,392.07	193,392.07	0.00
203-06	WATER	M.G.	191	\$5.86	0.00	1,119.26	0.00	(1,119.26)	0.00	(1,119.26)
203-08	CHANNEL EXCAVATION	C.Y.	4889	\$7.56	4896.00	36,960.84	37,013.76	52.92	52.92	0.00
209-05	SEDIMENT REMOVAL	C.Y.	100	\$8.79	6.00	879.00	52.74	(826.26)	0.00	(826.26)
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1774	\$4.80	2671.00	8,515.20	12,820.80	4,305.60	4,305.60	0.00
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	3960	\$1.01	1767.00	3,999.60	1,784.67	(2,214.93)	0.00	(2,214.93)
209-08.07	ROCK CHECK DAM	EACH	15	\$336.44	6.00	5,046.60	2,018.64	(3,027.96)	0.00	(3,027.96)
209-09.01	SANDBAGS (SUSPENDE PIPE DIVERSION)	EACH	22200	\$1.01	4150.00	22,422.00	4,191.50	(18,230.50)	0.00	(18,230.50)
209-09.03	SEDIMENT FILTER BAG (15'x15')	EACH	2	\$217.15	6.00	434.30	1,302.90	868.60	868.60	0.00
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	10	\$80.80	0.00	808.00	0.00	(808.00)	0.00	(808.00)
209-13.04	TURBIDITY CURTAINS	L.F.	160	\$17.68	200.00	2,828.80	3,536.00	707.20	707.20	0.00
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	195	\$4.55	93.00	887.25	423.15	(464.10)	0.00	(464.10)
209-40.31	CATCH BASIN PROTECTION (TYPE B)	EACH	9	\$116.15	0.00	1,045.35	0.00	(1,045.35)	0.00	(1,045.35)
209-65.04	TEMPORARY INSTREAM DIVERSION	L.F.	487	\$20.20	687.00	9,837.40	13,877.40	4,040.00	4,040.00	0.00
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	4048	\$15.15	7437.45	61,327.20	112,677.37	51,350.17	51,350.17	0.00
303-01.01	GRANULAR BACKFILL (BRIDGES)	TON	4600	\$18.75	3932.78	86,250.00	73,739.63	(12,510.37)	0.00	(12,510.37)
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	10	\$33.25	45.05	332.50	1,497.91	1,165.41	1,165.41	0.00
303-10.02	MINERAL AGGREGATE (SIZE 2)	TON	137	\$27.71	0.00	3,796.27	0.00	(3,796.27)	0.00	(3,796.27)
303-10.04	MINERAL AGGREGATE (SIZE 7)	TON	13	\$41.90	0.00	544.70	0.00	(544.70)	0.00	(544.70)
307-01.08	ASPHALT CONCRETE MIX (BPMB-HM) GRADING B-M2 (PG64-22)	TON	28	\$202.00	35.87	5,656.00	7,245.74	1,589.74	1,589.74	0.00

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Item No.	Description	Units	Estimated Quantity	Unit Price	Total Quantity Used	Estimated Contract Cost	Actual Total Contract Cost	Difference between Final Cost and Estimated Cost	Additions	Deductions
307-02.01	ASPHALT CONCRETE MIX (BPMB-HM) GRADING A (PG70-22)	TON	1377	\$65.65	1324.56	90,400.05	86,957.36	(3,442.69)	0.00	(3,442.69)
307-02.08	ASPHALT CONCRETE MIX (BPMB-HM) GRADING B-M2 (PG70-22)	TON	678	\$75.75	938.67	51,358.50	71,104.25	19,745.75	19,745.75	0.00
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	10	\$707.00	8.50	7,070.00	6,009.50	(1,060.50)	0.00	(1,060.50)
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	35	\$25.25	35.00	883.75	883.75	0.00	0.00	0.00
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1	\$606.00	2.40	606.00	1,454.40	848.40	848.40	0.00
411-01.11	GRADING D SURFACE (PG64-22)	TON	7.5	\$454.50	27.57	3,408.75	12,530.57	9,121.82	9,121.82	0.00
411-02.10	ACS MIX GRADING D (PG70-22)	TON	480	\$100.50	501.07	48,240.00	50,357.54	2,117.54	2,117.54	0.00
415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	158	\$70.70	0.00	11,170.60	0.00	(11,170.60)	0.00	(11,170.60)
604-01.02.01	STEEL BAR REINFORCEMENT (BELVEDERE WALL FOOTING)	LB.	2495	\$1.52	2495.00	3,792.40	3,792.40	0.00	0.00	0.00
604-01.02.02	STEEL BAR REINFORCEMENT (BRIDGE FOOTING)	LB.	16015	\$1.01	3541.00	16,175.15	3,576.41	(12,598.74)	0.00	(12,598.74)
604-01.02.03	STEEL BAR REINFORCEMENT (ELECTRIC PANEL PLATFORM)	LB.	520	\$2.02	520.00	1,050.40	1,050.40	0.00	0.00	0.00
604-01.75	PRECAST CONCRETE BOLLARDS	EACH	11	\$404.00	0.00	4,444.00	0.00	(4,444.00)	0.00	(4,444.00)
604-01.80	CONCRETE BRIDGE REMNANTS & FOOTER	EACH	12	\$505.00	7.00	6,060.00	3,535.00	(2,525.00)	0.00	(2,525.00)
604-02.28	RETAINING WALL EXCAVATION (UNCLASSIFIED)	C.Y.	75	\$16.12	75.00	1,209.00	1,209.00	0.00	0.00	0.00
604-03.07.01	CLASS A CONCRETE (BELVEDERE OVERLOOK FOOTING)	C.Y.	29	\$202.00	33.00	5,858.00	6,666.00	808.00	808.00	0.00
604-03.07.02	CLASS A CONCRETE (BRIDGE AND WINGWALLS FOOTING)	C.Y.	217	\$252.50	74.00	54,792.50	18,685.00	(36,107.50)	0.00	(36,107.50)
604-03.07.03	CLASS A CONCRETE (ELECTRIC PANEL PLATFORM)	C.Y.	3	\$303.00	3.00	909.00	909.00	0.00	0.00	0.00
604-07.01	RETAINING WALL (HILLSBORO ROAD)	S.F.	723	\$56.44	0.00	40,806.12	0.00	(40,806.12)	0.00	(40,806.12)
604-07.50	BELVEDERE WALL	S.F.	417	\$24.24	417.00	10,108.08	10,108.08	0.00	0.00	0.00
604-07.51	PRECAST CONCRETE BENCH (BELVEDERE WALL)	S.F.	112	\$41.41	112.00	4,637.92	4,637.92	0.00	0.00	0.00
604-07.52	PRECAST CONCRETE CAP (BELVEDERE WALL)	S.F.	252	\$41.41	252.00	10,435.32	10,435.32	0.00	0.00	0.00
604-07.53	CRAB ORCHARD STONE VENEER	TON	113	\$934.25	34.30	105,570.25	32,044.78	(73,525.47)	0.00	(73,525.47)
607-02.02	15" CONCRETE PIPE CULVERT (CLASS III)	L.F.	12	\$37.95	91.00	455.40	3,453.45	2,998.05	2,998.05	0.00
607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	1090	\$39.52	1090.00	43,076.80	43,076.80	0.00	0.00	0.00
607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	355	\$50.71	299.00	18,002.05	15,162.29	(2,839.76)	0.00	(2,839.76)
607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	208	\$54.37	211.00	11,308.96	11,472.07	163.11	163.11	0.00
607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	361	\$71.52	339.00	25,818.72	24,245.28	(1,573.44)	0.00	(1,573.44)
607-50.60	THREE SIDED PRECAST CULVERT STRUCTURE (48' SPAN x 11' RISE INCLUDES ALL ASSEMBLY HARDWARE)	L.F.	64	\$4,067.78	64.00	260,337.92	260,337.92	0.00	0.00	0.00
607-50.61	PRECAST WINGWALL (INCLDUES ASSEMBLY ALL HARDWARE)	EACH	4	\$89,018.40	0.00	356,073.60	0.00	(356,073.60)	0.00	(356,073.60)
607-50.62	PRECAST HEADWALL (INCLDUES ASSEMBLY ALL HARDWARE)	EACH	2	\$77,139.31	0.00	154,278.62	0.00	(154,278.62)	0.00	(154,278.62)

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610-11.90	BIOFILTRATION BASINS	L.F.	310	\$55.98	310.00	17,353.80	17,353.80	0.00	0.00	0.00
611-01.01	MANHOLES, 0' - 4' DEPTH	EACH	1	\$2,505.43	2.00	2,505.43	5,010.86	2,505.43	2,505.43	0.00
611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	3	\$2,606.46	3.00	7,819.38	7,819.38	0.00	0.00	0.00
611-01.03	MANHOLES, > 8' - 12' DEPTH	EACH	3	\$4,170.26	4.00	12,510.78	16,681.04	4,170.26	4,170.26	0.00
611-01.20	ADJUSTMENT OF EXISTING SEWER MANHOLE CASTING	EACH	2	\$442.29	2.00	884.58	884.58	0.00	0.00	0.00
611-01.23	ADJUSTMENT OF WATER VALVE CASTING	EACH	2	\$189.15	2.00	378.30	378.30	0.00	0.00	0.00
611-02.10	JUNCTION BOX, TYPE 1	EACH	1	\$2,772.19	0.00	2,772.19	0.00	(2,772.19)	0.00	(2,772.19)
611-02.98	JUNCTION BOX, WATER QUALITY VAULT MODEL 646	EACH	1	\$20,744.46	1.00	20,744.46	20,744.46	0.00	0.00	0.00
611-02.99	JUNCTION BOX, WATER QUALITY VAULT MODEL 2466	EACH	1	\$64,716.99	1.00	64,716.99	64,716.99	0.00	0.00	0.00
611-05.99	TRENCH DRAINS	EACH	16	\$2,671.45	16.00	42,743.20	42,743.20	0.00	0.00	0.00
611-12.01	CATCH BASINS, TYPE 12, > 0' - 4' DEPTH	EACH	2	\$2,670.48	3.00	5,340.96	8,011.44	2,670.48	2,670.48	0.00
611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	8	\$3,074.35	9.00	24,594.80	27,669.15	3,074.35	3,074.35	0.00
611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	2	\$2,490.20	1.00	4,980.40	2,490.20	(2,490.20)	0.00	(2,490.20)
611-42.03	CATCH BASINS, TYPE 42, > 8' - 12' DEPTH	EACH	2	\$3,887.62	1.00	7,775.24	3,887.62	(3,887.62)	0.00	(3,887.62)
611-90.02	CATCH BASINS, TYPE 42 MOD. (WEEPHOLES) > 4' - 8' DEPTH	EACH	5	\$2,168.22	5.00	10,841.10	10,841.10	0.00	0.00	0.00
620-01	STEEL RAILING (CUSTOM BRIDGE ARCHITECTURAL METAL GUARDRAIL)	L.F.	236	\$1,146.95	236.00	270,680.20	270,680.20	0.00	0.00	0.00
620-05.02	STANDARD CONCRETE PARAPET RAIL	L.F.	48	\$101.00	0.00	4,848.00	0.00	(4,848.00)	0.00	(4,848.00)
620-15	HANDRAIL ASSEMBLY (ELECTRIC PANEL PLATFORM)	L.F.	22	\$202.00	22.00	4,444.00	4,444.00	0.00	0.00	0.00
630-01.98	5" METAL BOLLARD (FIXED)	EACH	3	\$161.60	4.00	484.80	646.40	161.60	161.60	0.00
630-01.99	5" METAL BOLLARD (REMOVABLE)	EACH	1	\$141.40	0.00	141.40	0.00	(141.40)	0.00	(141.40)
701-01.02	CONCRETE SIDEWALK (6")	S.F.	6385	\$5.40	5579.10	34,479.00	30,127.14	(4,351.86)	0.00	(4,351.86)
701-01.20	BRICK SIDEWALK WITH CONCRETE BASE & ASPHALT SETTING BED	S.Y.	1108	\$159.78	1080.00	177,036.24	172,562.40	(4,473.84)	0.00	(4,473.84)
701-01.21	BRICK HANDICAP RAMP	S.F.	481	\$18.63	469.00	8,961.03	8,737.47	(223.56)	0.00	(223.56)
701-02.03	CONCRETE HANDICAP RAMP	S.F.	114	\$14.29	0.00	1,629.06	0.00	(1,629.06)	0.00	(1,629.06)
702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	223	\$218.46	257.00	48,716.58	56,144.22	7,427.64	7,427.64	0.00
705-08.10	PORTABLE IMPACT ATTENUATOR	EACH	1	\$4,444.00	0.00	4,444.00	0.00	(4,444.00)	0.00	(4,444.00)
706-01	GUARDRAIL REMOVED	L.F.	271	\$2.02	271.00	547.42	547.42	0.00	0.00	0.00
707-01	TREE PROTECTION FENCE	L.F.	1512	\$3.28	0.00	4,959.36	0.00	(4,959.36)	0.00	(4,959.36)
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	88.9	\$46.58	0.00	4,140.96	0.00	(4,140.96)	0.00	(4,140.96)
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	65	\$57.59	479.27	3,743.35	27,601.16	23,857.81	23,857.81	0.00

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709-05.08	MACHINED RIP-RAP (CLASS B)	TON	940	\$39.14	1881.26	36,791.60	73,632.52	36,840.92	36,840.92	0.00
709-10.01	GABION WALL	C.Y.	780	\$66.53	0.00	51,893.40	0.00	(51,893.40)	0.00	(51,893.40)
709-25	BOULDERS - AVERAGE 2-4 TON PER BOULDER	TON	723	\$24.81	0.00	17,937.63	0.00	(17,937.63)	0.00	(17,937.63)
712-01	TRAFFIC CONTROL	LS	1	\$2,222.00	1.00	2,222.00	2,222.00	0.00	0.00	0.00
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	500	\$22.22	0.00	11,110.00	0.00	(11,110.00)	0.00	(11,110.00)
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	85	\$25.25	20.00	2,146.25	505.00	(1,641.25)	0.00	(1,641.25)
712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	25	\$11.11	0.00	277.75	0.00	(277.75)	0.00	(277.75)
712-05.03	WARNING LIGHTS (TYPE A)	EACH	93	\$25.25	0.00	2,348.25	0.00	(2,348.25)	0.00	(2,348.25)
712-06.10	NEW SIGNS (CONSTRUCTION)	S.F.	220	\$10.10	192.00	2,222.00	1,939.20	(282.80)	0.00	(282.80)
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	180	\$35.35	200.00	6,363.00	7,070.00	707.00	707.00	0.00
712-09.01	REMOVABLE PAVEMENT MARKING LINE	L.F.	1120	\$1.52	1536.00	1,702.40	2,334.72	632.32	632.32	0.00
712-09.02	REMOVABLE PAVEMENT MARKING (8" LINE)	L.F.	600	\$1.92	0.00	1,152.00	0.00	(1,152.00)	0.00	(1,152.00)
712-09.30	REMOVABLE BLACK-OUT TAPE	L.F.	1156	\$3.23	0.00	3,733.88	0.00	(3,733.88)	0.00	(3,733.88)
713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	315	\$35.35	410.00	11,135.25	14,493.50	3,358.25	3,358.25	0.00
713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	75	\$23.23	74.50	1,742.25	1,730.64	(11.61)	0.00	(11.61)
713-13.14	LIMESTONE STREET MARKER	EACH	2	\$3,030.00	2.00	6,060.00	6,060.00	0.00	0.00	0.00
713-15.36	REMOVE SIGNS, POSTS, AND FOOTINGS	EACH	6	\$101.00	6.00	606.00	606.00	0.00	0.00	0.00
713-16.20	SIGNS (BRONZE CITY LOGO PLAQUE)	EACH	10	\$404.00	28.00	4,040.00	11,312.00	7,272.00	7,272.00	0.00
713-16.41	RELOCATE SIGN (HISTORICAL MARKERS)	LS	1	\$2,525.00	0.00	2,525.00	0.00	(2,525.00)	0.00	(2,525.00)
714-01	STRUCTURAL LIGHTING (3RD AVE BRIDGE - INCLUDING POLE BASES)	LS	1	\$36,462.01	1.00	36,462.01	36,462.01	0.00	0.00	0.00
714-01.20	STRUCTURAL LIGHTING (BELVEDERE OVERLOOK - INCLUDING POLE BASES)	LS	1	\$36,848.84	1.00	36,848.84	36,848.84	0.00	0.00	0.00
714-01.37	LIGHT STANDARDS (PEDESTRIAN/STREET LIGHTS COMPLETE INCLUDING POLE BASES)	EACH	22	\$5,452.99	22.00	119,965.78	119,965.78	0.00	0.00	0.00
714-02.02	ENCASED CONDUIT (2" PVS, SCH40)	L.F.	820	\$11.11	80.00	9,110.20	888.80	(8,221.40)	0.00	(8,221.40)
714-02.03	ENCASED CONDUIT (3" PVS, SCH40)	L.F.	420	\$12.12	0.00	5,090.40	0.00	(5,090.40)	0.00	(5,090.40)
714-02.04	ENCASED CONDUIT (1" PVC, SCH40)	L.F.	55	\$11.11	0.00	611.05	0.00	(611.05)	0.00	(611.05)
714-02.05	ENCASED CONDUIT (4" PVC, SCH40)	L.F.	420	\$15.15	260.00	6,363.00	3,939.00	(2,424.00)	0.00	(2,424.00)
714-02.06	ENCASED CONDUIT (6" PVC, SCH40)	L.F.	100	\$31.31	100.00	3,131.00	3,131.00	0.00	0.00	0.00
714-02.07	ENCASED CONDUIT (1.25" PVC, SCH40)	L.F.	50	\$11.11	10.00	555.50	111.10	(444.40)	0.00	(444.40)
714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCH40)	L.F.	1795	\$8.59	2300.00	15,419.05	19,757.00	4,337.95	4,337.95	0.00
714-03.02	DIRECT BURIAL CONDUIT (3" PVC, SCH40)	L.F.	1350	\$10.10	1590.00	13,635.00	16,059.00	2,424.00	2,424.00	0.00

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714-03.03	DIRECT BURIAL CONDUIT (1" PVC, SCH40)	L.F.	885	\$8.99	1825.00	7,956.15	16,406.75	8,450.60	8,450.60	0.00
714-03.05	DIRECT BURIAL CONDUIT (1/2" PVC, SCH40)	L.F.	40	\$7.07	60.00	282.80	424.20	141.40	141.40	0.00
714-03.06	DIRECT BURIAL CONDUIT (3/4" PVC, SCH40)	L.F.	612	\$7.07	590.00	4,326.84	4,171.30	(155.54)	0.00	(155.54)
714-03.08	DIRECT BURIAL CONDUIT (1.5" PVC, SCH40)	L.F.	500	\$9.19	290.00	4,595.00	2,665.10	(1,929.90)	0.00	(1,929.90)
714-05.05	PULL BOXES WITH TRAFFIC RATED COVER (24"X24"X12")	EACH	7	\$587.82	7.00	4,114.74	4,114.74	0.00	0.00	0.00
714-05.06	PULL BOXES WITH TRAFFIC RATED COVER (18"X18"X8")	EACH	4	\$446.42	4.00	1,785.68	1,785.68	0.00	0.00	0.00
714-06.02	CABLE (1/C #12 AWG)	L.F.	1440	\$0.51	1245.00	734.40	634.95	(99.45)	0.00	(99.45)
714-06.03	CABLE (1/C #10 AWG)	L.F.	3554	\$0.61	3506.00	2,167.94	2,138.66	(29.28)	0.00	(29.28)
714-06.04	CABLE (1/C #8 AWG)	L.F.	5291	\$0.71	6369.00	3,756.61	4,521.99	765.38	765.38	0.00
714-06.05	CABLE (1/C #6 AWG)	L.F.	3030	\$1.31	4044.00	3,969.30	5,297.64	1,328.34	1,328.34	0.00
714-06.07	CABLE (1/C #2 AWG)	L.F.	1500	\$1.92	975.00	2,880.00	1,872.00	(1,008.00)	0.00	(1,008.00)
714-06.08	CABLE (1/C #1 AWG)	L.F.	150	\$2.22	45.00	333.00	99.90	(233.10)	0.00	(233.10)
714-25	ELECTRICAL CONNECTION	EACH	2	\$1,075.65	2.00	2,151.30	2,151.30	0.00	0.00	0.00
714-25.22	INSTALL SERVICE RISER	EACH	2	\$450.46	0.00	900.92	0.00	(900.92)	0.00	(900.92)
716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	42	\$19.19	0.00	805.98	0.00	(805.98)	0.00	(805.98)
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	49	\$9.09	78.00	445.41	709.02	263.61	263.61	0.00
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	4	\$121.20	3.00	484.80	363.60	(121.20)	0.00	(121.20)
716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	36	\$19.19	0.00	690.84	0.00	(690.84)	0.00	(690.84)
716-02.12	PLASTIC PAVEMENT MARKING (STRAIGHT - TURN ARROW)	EACH	3	\$181.80	3.00	545.40	545.40	0.00	0.00	0.00
716-02.13	PLASTIC PAVEMENT MARKING (HANDICAP SYMBOL)	EACH	2	\$353.50	2.00	707.00	707.00	0.00	0.00	0.00
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	0.605	\$3,030.00	2.24	1,833.15	6,775.08	4,941.93	4,941.93	0.00
716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	49	\$8.08	0.00	395.92	0.00	(395.92)	0.00	(395.92)
716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	3	\$50.50	0.00	151.50	0.00	(151.50)	0.00	(151.50)
716-05.09	PAINTED PAVEMENT MARKING (CROSSWALK)	L.F.	36	\$8.08	0.00	290.88	0.00	(290.88)	0.00	(290.88)
716-05.12	PAINTED PAVEMENT MARKING (STRAIGHT - TURN ARROW)	EACH	3	\$101.00	0.00	303.00	0.00	(303.00)	0.00	(303.00)
716-05.13	PAINTED PAVEMENT MARKING (HANDICAP SYMBOL)	EACH	2	\$202.00	0.00	404.00	0.00	(404.00)	0.00	(404.00)
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	690	\$1.36	120.00	938.40	163.20	(775.20)	0.00	(775.20)
716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	8.3	\$20.20	15.50	167.66	313.10	145.44	145.44	0.00
716-08.06	REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	EACH	1	\$75.75	1.00	75.75	75.75	0.00	0.00	0.00
716-13.01	SPRAY THERMO PVMT MRKNG (60 MIL) (4 IN LINE)	L.M.	0.095	\$5,555.00	0.00	527.73	0.00	(527.73)	0.00	(527.73)

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716-13.06	SPRAY THERMO PVMT MRKNG (40 MIL) (4 IN LINE)	L.M.	0.605	\$5,050.00	0.13	3,055.25	646.40	(2,408.85)	0.00	(2,408.85)
717-01	MOBILIZATION	LS	1	\$249,289.31	1.00	249,289.31	249,289.31	0.00	0.00	0.00
721-01.07	RAIN BIRD 1806-SAM-PRS 6" POP-UP SPRAY SPRINKLER W\NOZZLE	EACH	208	\$26.60	301.00	5,532.80	8,006.60	2,473.80	2,473.80	0.00
721-01.08	RAIN BIRD 1806-SAM-P45 6" POP-UP ROTARY SPRINKLER W\NOZZLE	EACH	53	\$32.60	60.00	1,727.80	1,956.00	228.20	228.20	0.00
721-01.09	RAIN BIRD 5006-PL-PC, FC-PC 6" ROTOR SPRINKLER	EACH	70	\$36.99	91.00	2,589.30	3,366.09	776.79	776.79	0.00
721.01.10	RAIN BIRD 5012-PL-PC, FC-PC 12" ROTOR SPRINKLER	EACH	18	\$47.47	0.00	854.46	0.00	(854.46)	0.00	(854.46)
721.01.11	RAIN BIRD XCZ-100-PRB-COM 1" DRIP CONTROL VALVE W\BOX	EACH	16	\$374.25	2.00	5,988.00	748.50	(5,239.50)	0.00	(5,239.50)
721-01.12	RAIN BIRD ARV050 AIR RELEASE W\BOX	EACH	13	\$23.08	2.00	300.04	46.16	(253.88)	0.00	(253.88)
721-01.13	F1/2" DRIP FLUSH VALVE W\BOX	EACH	3	\$30.57	2.00	91.71	61.14	(30.57)	0.00	(30.57)
721-01.14	RAIN BIRD XFS-06-12 DRIP LINE WITH FITTINGS\STAKES	L.F.	5400	\$1.46	2400.00	7,884.00	3,504.00	(4,380.00)	0.00	(4,380.00)
721-01.15	RAIN BIRD XFS-06-18 DRIP LINE WITH FITTINGS\STAKES	L.F.	6400	\$1.41	0.00	9,024.00	0.00	(9,024.00)	0.00	(9,024.00)
721-01.16	RAIN BIRD PES-100 1" CONTROL VALVE W\BOX	EACH	6	\$244.94	14.00	1,469.64	3,429.16	1,959.52	1,959.52	0.00
721-01.17	RAIN BIRD PESBR-150 1.5" CONTROL VALVE W\BOX	EACH	20	\$300.32	20.00	6,006.40	6,006.40	0.00	0.00	0.00
721-01.18	SUPERIOR #310 N.O. MASTER VALVE W\BOX AND WIRE	EACH	1	\$840.38	1.00	840.38	840.38	0.00	0.00	0.00
721-01.23	RAIN BIRD 33LRC 1" QUICK COUPLING VALVE W\BOX , KEY AND HOSE SWIVEL	EACH	18	\$324.54	18.00	5,841.72	5,841.72	0.00	0.00	0.00
721-01.24	MATCO 7705 PVC ISOLATION VALVE 2" W\BOX	EACH	6	\$68.13	4.00	408.78	272.52	(136.26)	0.00	(136.26)
721-01.25	BASELINE 3200X WALL MOUNT TWO WIRE CONTROLLER INSTALLED, TESTED, PROGRAMMED	EACH	1	\$4,931.83	1.00	4,931.83	4,931.83	0.00	0.00	0.00
721.01.27	BASELINE PFS FLOW SENSOR W\WIRE AND VALVE BOX	EACH	1	\$1,328.50	1.00	1,328.50	1,328.50	0.00	0.00	0.00
721-01.29	BASELINE BL-5315 MOISTURE SENSOR W\WIRE AND VALVE BOX	EACH	4	\$689.96	4.00	2,759.84	2,759.84	0.00	0.00	0.00
721-01.30	CLASS 200 PVC LATERAL PIPE 3/4" AND FITTINGS	L.F.	8500	\$0.58	0.00	4,930.00	0.00	(4,930.00)	0.00	(4,930.00)
721-01.32	CLASS 200 PVC LATERAL PIPE 1" AND FITTINGS	L.F.	1400	\$0.61	8665.00	854.00	5,285.65	4,431.65	4,431.65	0.00
721-01.33	CLASS 200 PVC LATERAL PIPE 1.50" AND FITTINGS	L.F.	1000	\$1.34	1130.00	1,340.00	1,514.20	174.20	174.20	0.00
721-01.35	CLASS 200 PVC MAINLINE PIPE 1.50" AND FITTINGS	L.F.	100	\$1.39	0.00	139.00	0.00	(139.00)	0.00	(139.00)
721-01.36	CLASS 200 PVC MAINLINE PIPE 2" AND FITTINGS	L.F.	2000	\$2.03	3052.00	4,060.00	6,195.56	2,135.56	2,135.56	0.00
721.01.37	SCH 40 PVC SLEEVE 3"	L.F.	160	\$4.15	160.00	664.00	664.00	0.00	0.00	0.00
721.01.38	SCH 40 PVC SLEEVE 4"	L.F.	280	\$6.06	481.00	1,696.80	2,914.86	1,218.06	1,218.06	0.00
721.01.39	2 WIRE 14 GA CONTROL WIRE AND WIRE SPLICES	L.F.	3000	\$1.11	3715.00	3,330.00	4,123.65	793.65	793.65	0.00
721.01.40	GROUNDING POINT, 8' GROUND ROD BASELINE BL-LA01 LIGHTNING ARRESTOR, #6 BARE COPPER WIRE W\BOX	EACH	7	\$418.45	7.00	2,929.15	2,929.15	0.00	0.00	0.00
721.01.41	BASELINE BL-5201 SINGLE STATION BICODER	EACH	37	\$356.91	36.00	13,205.67	12,848.76	(356.91)	0.00	(356.91)

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725-02.79	FIBER SPLICE ENCLOSURE (COMPLETE)	EACH	2	\$824.16	2.00	1,648.32	1,648.32	0.00	0.00	0.00
730-16.14	CONTROLLER (ELECTRIC SERVICE AT BRIDGE)	EACH	1	\$4,111.71	1.00	4,111.71	4,111.71	0.00	0.00	0.00
730-16.15	CONTROLLER (CITY LIGHTING ELECTRIC SERVICE)	EACH	1	\$3,265.33	1.00	3,265.33	3,265.33	0.00	0.00	0.00
740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	1200	\$2.37	1405.73	2,844.00	3,331.58	487.58	487.58	0.00
774-01.57	INSTALL FIBER OPTIC CABLE (96F 60F SAME)	L.F.	1800	\$2.42	1900.00	4,356.00	4,598.00	242.00	242.00	0.00
774-01.72	FIBER SPLICE	EACH	120	\$41.41	12.00	4,969.20	496.92	(4,472.28)	0.00	(4,472.28)
774-01.84	INSTALL RISER (FIBER)	EACH	1	\$280.78	1.00	280.78	280.78	0.00	0.00	0.00
775-20.21	CLASS B CONCRETE FOR KICKERS	CY	12	\$247.41	12.00	2,968.92	2,968.92	0.00	0.00	0.00
775-20.20	DUCTILE IRON FITTINGS	LB	2000	\$5.76	540.10	11,520.00	3,110.98	(8,409.02)	0.00	(8,409.02)
775-20.13	FIRE HYDRANT ASSEMBLY, COMPLETE	EACH	3	\$3,743.00	3.00	11,229.00	11,229.00	0.00	0.00	0.00
775-20.14	10 IN CLASS 52, D.I.P., PRESSURE RATING 350 PSI	L.F.	1330	\$76.29	0.00	101,465.70	0.00	(101,465.70)	0.00	(101,465.70)
775-20.15	6 IN CLASS 52, D.I.P., PRESSURE RATING 350 PSI	L.F.	30	\$62.27	1373.00	1,868.10	85,496.71	83,628.61	83,628.61	0.00
775-20.16	3 IN CLASS 52, D.I.P., PRESSURE RATING 350 PSI (FUTURE USE)	L.F.	20	\$64.68	20.00	1,293.60	1,293.60	0.00	0.00	0.00
775-20.17	2 IN SCH. 40 PVC (OUTSIDE ROADWAY)	L.F.	20	\$17.68	0.00	353.60	0.00	(353.60)	0.00	(353.60)
775-20.18	10 IN X 4 IN TAPPING SLEEVE AND VALVE WITH TRAFFIC RATED VALVE BOX AND COVER	EACH	1	\$4,515.42	0.00	4,515.42	0.00	(4,515.42)	0.00	(4,515.42)
775-20.19	10 IN X 8 IN TAPPING SLEEVE AND VALVE WITH TRAFFIC RATED VALVE BOX AND COVER	EACH	1	\$5,397.51	0.00	5,397.51	0.00	(5,397.51)	0.00	(5,397.51)
775-20.22	10 IN X 10 IN X 4 IN D.I.P. TEE	EACH	2	\$1,041.39	0.00	2,082.78	0.00	(2,082.78)	0.00	(2,082.78)
775-20.23	10 IN X 10 IN X 6 IN D.I.P. TEE	EACH	3	\$1,842.47	0.00	5,527.41	0.00	(5,527.41)	0.00	(5,527.41)
775-20.24	4 IN X 2 IN REDUCER	EACH	1	\$181.86	1.00	181.86	181.86	0.00	0.00	0.00
775-20.25	4 IN X 3 IN REDUCER	EACH	1	\$139.25	1.00	139.25	139.25	0.00	0.00	0.00
775-20.26	10 IN 45° BEND (D.I.P.)	EACH	2	\$796.53	0.00	1,593.06	0.00	(1,593.06)	0.00	(1,593.06)
775-20.28	2 IN WATER METER BOX (INSTALLED)	EACH	1	\$4,714.85	1.00	4,714.85	4,714.85	0.00	0.00	0.00
777-05.20	6 IN SDR35 PVC GRAVITY SEWER PIPE (OUTSIDE ROADWAY)	L.F.	40	\$33.66	37.00	1,346.40	1,245.42	(100.98)	0.00	(100.98)
777-05.21	8 IN D.I.P. GRAVITY SEWER PIPE (OUTSIDE ROADWAY)	L.F.	100	\$87.94	74.00	8,794.00	6,507.56	(2,286.44)	0.00	(2,286.44)
777-05.22	6" STEEL PIPE VENT ASSEMBLY	EACH	1	\$5,207.68	1.00	5,207.68	5,207.68	0.00	0.00	0.00
777-05.23	SANITARY SEWER CLEANOUT ASSEMBLY	EACH	1	\$583.82	1.00	583.82	583.82	0.00	0.00	0.00
777-05.24	8 IN SDR35 PVC GRAVITY SEWER PIPE (INSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, <15' DEEP)	L.F.	130	\$67.58	170.00	8,785.40	11,488.60	2,703.20	2,703.20	0.00
777-05.25	12 IN SDR35 PVC GRAVITY SEWER PIPE (INSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, <15' DEEP)	L.F.	950	\$66.16	957.48	62,852.00	63,346.88	494.88	494.88	0.00

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777-05.26	12 IN D.I.P. GRAVITY SEWER PIPE (INSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, <15' DEEP)	L.F.	290	\$120.77	287.81	35,023.30	34,758.81	(264.49)	0.00	(264.49)
777-05.27	18 IN SDR35 PVC GRAVITY SEWER PIPE (INSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, <15' DEEP)	L.F.	40	\$218.55	38.00	8,742.00	8,304.90	(437.10)	0.00	(437.10)
777-05.28	18 IN SDR35 PVC SANITARY SEWER (OUTSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, <15' DEEP)	L.F.	90	\$81.48	86.00	7,333.20	7,007.28	(325.92)	0.00	(325.92)
777-05.29	24 IN D.I.P. GRAVITY SEWER PIPE (INSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, >15' DEEP)	L.F.	70	\$360.80	66.00	25,256.00	23,812.80	(1,443.20)	0.00	(1,443.20)
777-05.30	30 IN D.I.P. GRAVITY SEWER (INSIDE ROADWAY, FULL DEPTH CRUSHED STONE BACKFILL, >15' DEEP)	L.F.	290	\$413.21	290.00	119,830.90	119,830.90	0.00	0.00	0.00
777-05.31	18 IN FRP GRAVITY SEWER PIPE (AERIAL PIPE CROSSING UNDER BRIDGE)	L.F.	230	\$242.73	240.00	55,827.90	58,255.20	2,427.30	2,427.30	0.00
777-05.32	24 IN DIA STEEL ENCASEMENT PIPE (0.344" WALL THICKNESS)	L.F.	70	\$178.40	70.00	12,488.00	12,488.00	0.00	0.00	0.00
777-05.33	CONCRETE PIPE SUPPORTS (6 FT - 8 FT TALL)	EACH	2	\$7,749.72	2.00	15,499.44	15,499.44	0.00	0.00	0.00
777-05.34	TELEWISE NEW SANITARY SEWER	L.F.	2120	\$1.01	0.00	2,141.20	0.00	(2,141.20)	0.00	(2,141.20)
777-05.35	4 FT DIA PRECAST CONC MANHOLE (0' -15' DEEP) (SEE DETAIL)	EACH	12	\$3,290.05	13.00	39,480.60	42,770.65	3,290.05	3,290.05	0.00
777-05.36	4 FT DIA PRECAST "DOGHOUSE" MANHOLE	EACH	2	\$4,185.80	2.00	8,371.60	8,371.60	0.00	0.00	0.00
777-05.37	WATERTIGHT FRAME AND CASTING (SEE DETAIL)	EACH	14	\$645.11	14.00	9,031.54	9,031.54	0.00	0.00	0.00
777-05.38	CONCRETE CHECK DAMS	CY	20	\$222.20	7.00	4,444.00	1,555.40	(2,888.60)	0.00	(2,888.60)
777-05.39	REMOVE EXISTING MANHOLE	EACH	1	\$2,722.94	3.00	2,722.94	8,168.82	5,445.88	5,445.88	0.00
777-05.40	ABANDON EXISTING MANHOLE (SEE DETAIL)	EACH	5	\$1,123.26	2.00	5,616.30	2,246.52	(3,369.78)	0.00	(3,369.78)
777-05.41	REMOVE EXISTING SANITARY SEWER LINES (SEE PLANS)	L.F.	330	\$11.48	330.00	3,788.40	3,788.40	0.00	0.00	0.00
777-05.42	ABANDON EXISTING SEWER LINES IN PLACE	L.F.	1261	\$6.90	1261.00	8,700.90	8,700.90	0.00	0.00	0.00
777-05.43	CONNECTION TO EXISTING MANHOLE	EACH	2	\$1,001.28	1.00	2,002.56	1,001.28	(1,001.28)	0.00	(1,001.28)
777-14-61	FLOWABLE FILL (FOR BACKFILL)	CY	111	\$81.38	20.00	9,033.18	1,627.60	(7,405.58)	0.00	(7,405.58)
801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	34	\$35.64	261.04	1,211.76	9,303.47	8,091.71	8,091.71	0.00
801-03	WATER (SEEDING & SODDING)	M.G.	10	\$101.00	10.00	1,010.00	1,010.00	0.00	0.00	0.00
801-01.70	FESCUE SEED BLEND	UNIT	102.1	\$7.07	110.10	721.85	778.41	56.56	56.56	0.00
801-01.71	HYDROSEED RIVERBANK SEED MIX	UNIT	19.6	\$65.65	0.00	1,286.74	0.00	(1,286.74)	0.00	(1,286.74)
801-01.72	RIVER OATS SEED	UNIT	1.5	\$151.50	0.00	227.25	0.00	(227.25)	0.00	(227.25)
802-01.11	AMELANCHIER CANADENSIS - 3 STEMS @ 1.5" CAL, B&B, 10' HT	EACH	9	\$196.95	8.00	1,772.55	1,575.60	(196.95)	0.00	(196.95)
802-01.12	ACER RUBRUM - 3 STEMS @ 1.5" CAL, B&B, 14' HT	EACH	2	\$196.95	2.00	393.90	393.90	0.00	0.00	0.00
802-01.13	ACER RUBRUM 'OCTOBER GLORY' - 4" CAL, B&B, 18' HT	EACH	35	\$454.50	34.00	15,907.50	15,453.00	(454.50)	0.00	(454.50)
802-01.14	BETULA NIGRA 'DURAHEAT' - 1 STEM @ 3" CAL, 2 STEMS @ 2" CAL, B&B, 20' HT	EACH	7	\$227.25	7.00	1,590.75	1,590.75	0.00	0.00	0.00

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802-01.15	CERCIS CANADENSIS - 1 STEM @ 2" CAL, 2 STEMS @ 1.5" CAL, B&B, 12' HT	EACH	16	\$196.95	16.00	3,151.20	3,151.20	0.00	0.00	0.00
802-01.16	PLATANUS X ACERIFOLIA - 4" CAL, B&B, 20' HT	EACH	1	\$454.50	0.00	454.50	0.00	(454.50)	0.00	(454.50)
802-01.17	PINUS VIRGINIANA - 3" CAL, B&B, 12' HT	EACH	35	\$196.95	35.00	6,893.25	6,893.25	0.00	0.00	0.00
802-01.18	QUERCUS PHELLOS 'HIGHTOWER' - 4" CAL, B&B, 20' HT	EACH	10	\$454.50	10.00	4,545.00	4,545.00	0.00	0.00	0.00
802-03.11	CALLICARPA AMERICANA - 24" SPD X 30" HT, CONT	EACH	11	\$75.75	11.00	833.25	833.25	0.00	0.00	0.00
802-03.12	CORNUS AMOMUM, 36" SPD X 60" HT, B&B	EACH	7	\$166.65	7.00	1,166.55	1,166.55	0.00	0.00	0.00
802-03.13	HYDRANGEA QUERCIFOLIA - 36" SPD X 48" HT, CONT	EACH	35	\$75.75	35.00	2,651.25	2,651.25	0.00	0.00	0.00
802-03.14	HAMAMELIS VIRGINIANA - 72" HT, B&B	EACH	4	\$151.50	4.00	606.00	606.00	0.00	0.00	0.00
802-03.15	ITEA VIRGINICA 'HENRY'S GARNET' - 18" SPD X 24" HT, CONT	EACH	524	\$19.19	402.00	10,055.56	7,714.38	(2,341.18)	0.00	(2,341.18)
802-03.16	ILEX VERTICILLATA 'WINTER RED' - 30" SPD X 48" HT, CONT	EACH	16	\$75.75	16.00	1,212.00	1,212.00	0.00	0.00	0.00
802-04.11	ARUNDINARIA GIGANTEA - 2' SPD X 8' HT, CONT	EACH	7	\$95.95	0.00	671.65	0.00	(671.65)	0.00	(671.65)
802-04.12	CHASMANTHIUM LATIFOLIUM - 1 GAL, CONT	EACH	783	\$9.09	783.00	7,117.47	7,117.47	0.00	0.00	0.00
802-04.13	JUNCUS EFFUSUS - 1 GAL, CONT	EACH	623	\$9.09	623.00	5,663.07	5,663.07	0.00	0.00	0.00
802-04.14	SORGHASTRUM NUTANS - 1 GAL, CONT	EACH	455	\$9.09	455.00	4,135.95	4,135.95	0.00	0.00	0.00
802-05.01	TEMPORARY TREE PROTECTION	L.F.	1512	\$3.79	1622.00	5,730.48	6,147.38	416.90	416.90	0.00
803-01	FESCUE SOD	SY	7233	\$2.88	9988.00	20,831.04	28,765.44	7,934.40	7,934.40	0.00
806-02.03	PROJECT MOWING CYCLE	CYCLE	2	\$252.50	3.00	505.00	757.50	252.50	252.50	0.00
815-12.04	EROSION CONTROL BLANKET (TYPE IV)	S.Y.	2153	\$3.79	3725.33	8,159.87	14,119.00	5,959.13	5,959.13	0.00
920-02.12	BRICK PAVER CROSSWALK WITH CONCRETE BAND	S.F.	1769	\$27.41	1671.20	48,488.29	45,807.59	(2,680.70)	0.00	(2,680.70)
920-10.01	BRIDGE COLUMNS (COMPLETE - DOES NOT INCLUDE FOOTING)	EACH	8	\$7,912.34	0.00	63,298.72	0.00	(63,298.72)	0.00	(63,298.72)
920-10.02	ELECTRIC SERVICE BOX (12"X12"X12", TRAFFIC RATED)	EACH	22	\$312.09	22.00	6,865.98	6,865.98	0.00	0.00	0.00
920-10.03	BELVEDERE OVERLOOK (BICENTENNIAL PARK) SIGN	EACH	1	\$50,500.00	1.00	50,500.00	50,500.00	0.00	0.00	0.00
920-10.04	ELECTRIC PANEL PLATFORM SPLT FACE CMU	S.F.	320	\$18.18	320.00	5,817.60	5,817.60	0.00	0.00	0.00
920-10.05	ELECTRIC PANEL PLATFORM LADDER	EACH	1	\$1,515.00	1.00	1,515.00	1,515.00	0.00	0.00	0.00
FRK-IRR	CITY OF FRANKLIN 2" IRRIGATION TAPPING FEE	LS	1	\$9,262.00	1.00	9,262.00	9,262.00	0.00	0.00	0.00
FRK-CONT	10 %Contingency		1	\$435,920.88		435,920.88	412,274.47	(23,646.41)	0.00	(23,646.41)
	Contract Credit for Time and Travel for Mike Clark - Clark Irrigation. This credit was due to LSI not having punchlist items completed at time of follow up inspection.		-1	\$1,050.00	-1.00		(1,050.00)	(1,050.00)	0.00	(1,050.00)
	Error in Original Bid Calculations by Parkes Companies		-1	\$2.93		(2.93)	0.00	2.93	2.93	0.00
Original Contract Amount						4,795,129.72				

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CHANGE ORDER ITEMS										
Change Order #1										
604-07.01	Retaining Wall (Hillsboro Rd) (Deduct)	S.F.	-723	\$56.44		(40,806.12)	0.00	40,806.12	40,806.12	0.00
607-50.61	Precast Wingwall (includes Assembly & All Hardware) (Deduct)	Each	-4	\$89,018.40		(356,073.60)	0.00	356,073.60	356,073.60	0.00
607-50.62	Precast Headwall (includes Assembly & All Hardware) (Deduct)	Each	-2	\$77,139.31		(154,278.62)	0.00	154,278.62	154,278.62	0.00
709-10.01	Gabion Wall	C.Y.	-780	\$66.53		(51,893.40)	0.00	51,893.40	51,893.40	0.00
920-10.01	Bridge Columns (Complete – Does not Include Footing) (Deduct)	Each	-8	\$7,912.34		(63,298.72)	0.00	63,298.72	63,298.72	0.00
604-07.50	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF WINGWALLS) SINGLE FACED	S.F.	100	\$34.34	2831.40	3,434.00	97,230.28	93,796.28	93,796.28	0.00
604-07.51	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF WINGWALLS) DOUBLE FACED	S.F.	2500	\$40.40	0.00	101,000.00	0.00	(101,000.00)	0.00	(101,000.00)
604-07.52	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF GABION WALLS) SINGLE FACED	S.F.	840	\$34.34	1521.00	28,845.60	52,231.14	23,385.54	23,385.54	0.00
604-07.53	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF CIP RETAINING WALLS) SINGLE FACED	S.F.	145	\$34.34	282.00	4,979.30	9,683.88	4,704.58	4,704.58	0.00
604-07.54	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF CIP RETAINING WALLS) DOUBLE FACED	S.F.	578	\$40.40	0.00	23,351.20	0.00	(23,351.20)	0.00	(23,351.20)
604-07.55	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF BOULDERS) SINGLE FACED	S.F.	2250	\$34.34	0.00	77,265.00	0.00	(77,265.00)	0.00	(77,265.00)
604-07.56	RETAINING WALL (REDI ROCK - LEDGESTONE -CRAB ORCHARD IN LIEU OF BOULDERS) DOUBLE FACED	S.F.	275	\$40.40	0.00	11,110.00	0.00	(11,110.00)	0.00	(11,110.00)
	BID AMOUNT CORRECTION (errors in original calculations)		1	\$2.93	0.00	2.93	0.00	(2.93)	0.00	(2.93)
Change Order #1 Total						(416,362.43)				
Change Order #2										
775-20.29	2" REDUCED PRESSURE BACKFLOW PREVENTER	EACH	1	\$4,004.00	1.00	4,004.00	4,004.00	0.00	0.00	0.00
775-20.30	2" METAL BALL VALVE ASSEMBLY	EACH	1	\$1,148.00	1.00	1,148.00	1,148.00	0.00	0.00	0.00
775-20.31	4" CLASS 52, DIP PRESSURE RATING 350 PSI (20 LF STICK OF PIPE)	LS	1	\$623.00	0.00	623.00	0.00	(623.00)	0.00	(623.00)
775-20.32	2" SOFT COPPER (40 LF ROLL)	LS	1	\$1,232.00	1.00	1,232.00	1,232.00	0.00	0.00	0.00
740-10.04	GEOTEXTILE (TYPIV) (STABILIZATION)	SY	5000	\$1.34	3965.00	6,700.00	5,313.10	(1,386.90)	0.00	(1,386.90)
FRK-LOSS1	ADDITIONAL COMPENSATION FOR ENGINEERING AND PRODUCTION LOSS DUE TO CHANGE FROM PRECAST ENDWALLS AND HEADWALLS TO ALTERNATE PRODUCT	LS	1	\$6,000.00	1.00	6,000.00	6,000.00	0.00	0.00	0.00
201-01	CLEARING AND GRUBBING (ADDITIONAL)	LS	1	\$4,000.00	1.00	4,000.00	4,000.00	0.00	0.00	0.00
105-01	CONSTRUCTION STAKES, LINES, AND GRADES (ADDITIONAL)	LS	1	\$1,000.00	1.00	1,000.00	1,000.00	0.00	0.00	0.00
FRK-CONT	Modify Contingency Amount from \$435,920.88 to \$411,213.88 to cover additional items	LS	-1	\$24,707.00		(24,707.00)	0.00	24,707.00	24,707.00	0.00

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Change Order #2 Total						0.00				
Change Order #3										
775-20.18	10 IN x 4 IN Tapping Sleeve and Valve with Traffic Rated Valve Box and Cover (Deduct)	Each	-1	\$4,515.42		(4,515.42)	0.00	4,515.42	4,515.42	0.00
775-20.19	10 IN x 8 IN Tapping Sleeve and Valve with Traffic Rated Valve Box and Cover (Deduct)	Each	-1	\$5,397.51		(5,397.51)	0.00	5,397.51	5,397.51	0.00
775-20.22	10 IN x 10 IN x 4 IN D.I.P Tee (Deduct)	Each	-2	\$1,041.39		(2,082.78)	0.00	2,082.78	2,082.78	0.00
775-20.23	10 IN x 10 IN x 6 IN D.I.P Tee (Deduct)	Each	-3	\$1,842.47		(5,527.41)	0.00	5,527.41	5,527.41	0.00
775-20.26	10 IN 45° Bend (D.I.P)	Each	-2	\$796.53		(1,593.06)	0.00	1,593.06	1,593.06	0.00
775-20.33	6 IN x 2 IN Tapping Sleeve and Valve with Traffic Rated Valve Box and Cover	Each	1	\$4,122.09		4,122.09	0.00	(4,122.09)	0.00	(4,122.09)
775-20.34	6 IN x 8 IN Tapping Sleeve and Valve with Traffic Rated Valve Box and Cover	Each	1	\$4,871.58	1.00	4,871.58	4,871.58	0.00	0.00	0.00
775-20.35	6 IN x 6 IN x 4 IN D.I.P Tee	Each	2	\$649.02	2.00	1,298.04	1,298.04	0.00	0.00	0.00
775-20.36	6 IN x 6 IN x 6 IN D.I.P Tee	Each	3	\$1,196.47	3.00	3,589.41	3,589.41	0.00	0.00	0.00
775-20.37	6 IN 45° Bend (D.I.P)	Each	2	\$433.37	4.00	866.74	1,733.48	866.74	866.74	0.00
604-07.56	Retaining Wall (Redi Rock – LedgeStone – Crab Orchard in Lieu of Headwalls) Single Faced, Columns, Poured backing for walls with elevation changes, and cutting around base.	LS	1	\$151,397.00	1.00	151,397.00	151,397.00	0.00	0.00	0.00
604-07.57	Limestone Caps (Provide and install all Limestone Caps and Bridge Arch including limestone on wingwalls (2'x4'x8" thick), limestone on the headwalls (2'x4'x8" thick), limestone on the 8 columns (4' squarex8" thick), and limestone around arch below headwall – fabricated to fit	LS	1	\$95,381.00	1.00	95,381.00	95,381.00	0.00	0.00	0.00
Change Order #3 Total						242,409.68		Totals	1,378,675.41	(1,414,686.40)
Change Order #4		No Cost Adjustment					0.00			
Change Order #5 (Final)		Cost Adjustment from Balancing Quantities (from this Spreadsheet)					(\$36,010.99)			
Final Contract Price						4,585,165.98				

