Ivins City Staff Report
City Council Meeting 2/15/18

Agenda Item: Discuss and consider approval of expenditure for Ivins Reservoir Entrance Roadway

Submitted by: Charles Gillette, P.E., Public Works Director/City Engineer

Recommended City Council Action:
Approve expenditure of $236,000 for Ivins Reservoir Entrance Roadway

BACKGROUND:
Ivins Reservoir has been a collaborative effort which has made it more challenging due to the difficultly in satisfying so many interested partners. There is a heavy push to build the parking lot and entrance road this spring by the end of April. The entrance road costs are shared between Ivins City and Terry Marten, in the following manner, based on the agreement accepted by both parties from 2009.

Additionally, Washington County is contributing to the project with $300,000 of construction funds which has been approved by the County Commissioners. Since the costs are shared by Ivins City and Terry Marten, we have been using Terry Marten's contractors, Kuma Engineering, Rhine Construction and Leavitt Construction to complete the work. Since this means instead of issuing a bid, staff has been negotiating individual unit prices using prices from other bids.

Last Year, the City Council approved to pay for installation of part of the storm drain, a retaining wall for the street and extending utilities into the project at a cost of $79,000. The storm drain piping is 90% complete, the utilities are 30% complete and the wall is 30% complete.

The following table shows the estimated cost/negotiated pricing of Ivins Reservoir initial phasing.

Item	Description	Total Estimate/Price	Ivins City Estimate/Price	Revised Approval Request 2/15	Kayenta Estimate/Price
1	Mobilization/SWPPP /Dust Control	$25,910.00	$24,225.85	$24,225.85	$1,684.15
2	Grading	$67,385.00	$62,449.50	$62,449.50	$4,935.50
3	Sewer Utilities	$18,000.00	$18,000.00	$14,400.00	$0.00
4	Water Utilities	$45,550.00	$14,100.00	$14,100.00	$31,450.00
5	Roadway	$144,680.00	$130,532.50	$39,297.50	$14,147.50
6	Site	$118,505.00	$81,535.00	$27,132.50	$36,970.00
7	Drainage	$110,468.60	$86,682.57	$84,482.57	$23,786.03
8	Engineering/Staking	$33,000.00	$57,725.00	$32,725.00	$2,275.00
	Totals:	**$563,498.60**	**$475,250.42**	**$298,812.92**	**$115,248.18**

The $563,498.60 includes the cost to install the new access road, parking lot, utilities, retaining walls/privacy walls, trail, sidewalks, and spillway modification as highlighted in the attached map. Kayenta has a responsibility of $115,248.18 of these costs leaving Ivins City with the cost of $475,250.42. This does not include the cost of acquiring the property of the parking lot which is approved in a separate agreement. This also does not include the cost of improving the rest of the peninsula, which is under review and estimates are being generated.

FINDINGS AND ANALYSIS:
Staff is requesting that the City Council approve the $298,812.92 in this agenda item plus a 5% contingency of $15,000, for a total expenditure request of $315,000. This request wraps in the previous approval of $79,000, that was approved on 4/15/2017. So the additional expenditure request is for an additional $236,000.

Staff has negotiated these prices and agrees that they are fair prices by comparing them to other bids based on current market conditions.

SUPPORT MATERIALS:
Fire Lake Park Parking and Entrance Road Map
Fire Lake Park Parking and Entrance Road Estimate/Pricing

FINANCIAL IMPACT:
4940699: $236,000
Washington County has given Ivins City a grant for $300,000 that can be applied to this project.

Future agenda items will be submitted for new costs as additional bidding and pricing information is determined.

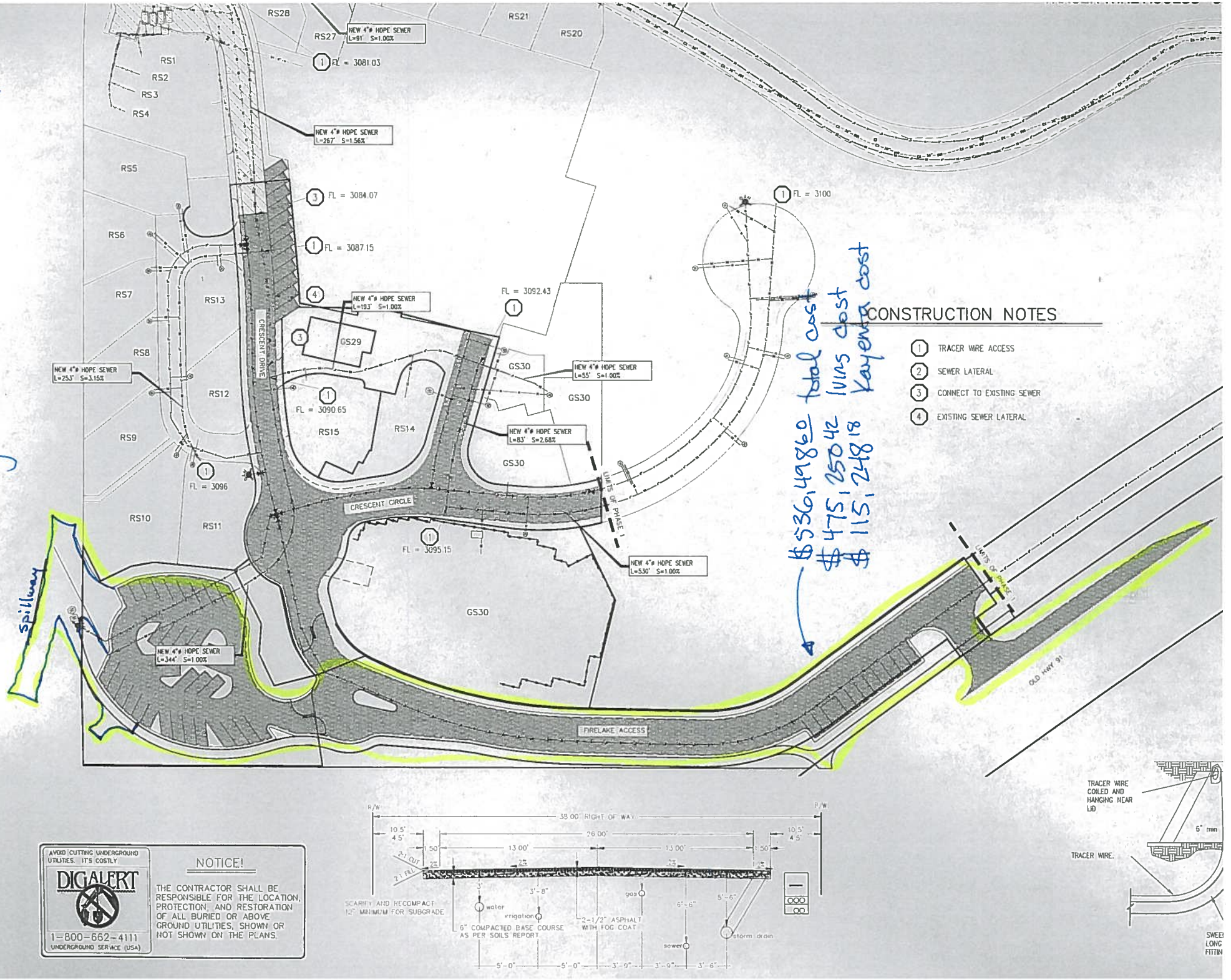
Respectfully Submitted:

Charles Gillette, P.E., Public Works Director/City Engineer

Content Review:

Dale Coulam, City Manager

Attachment: Ivins Reservoir Parking lot and Access Road Map



CONSTRUCTION NOTES

1. TRACER WIRE ACCESS
2. SEWER LATERAL
3. CONNECT TO EXISTING SEWER
4. EXISTING SEWER LATERAL

$536,498 total cost
$475,250 Ivins cost
$115,248 Kayenta cost

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY
DIGALERT
1-800-662-4111
UNDERGROUND SERVICE (USA)

NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

Fire Lake Park - Parking and Entrance Roadway
Negotiated Pricing and Estimates

Item #	Quantity		Description	Unit Cost	Total Cost	Ivins City Quantity	Ivins City Cost	4/16/2017 and 2/15/2018 Approval	Status	Kayenta Quantity	Kayenta Cost
Mobilization/SWPPP/Dust Control											
1	1.0	LS	Mobilization	$25,000.00	$25,000.00	93.5%	$23,375.00	$23,375.00	Approve 2/15	6.5%	$1,625.00
2	1.3	AC	Storm Water Pollution Prevention	$500.00	$0.00	93.5%	$607.75	$607.75	Approve 2/15	6.5%	$42.25
3	1.3	AC	Dust Control	$200.00	$0.00	93.5%	$243.10	$243.10	Approve 2/15	6.5%	$16.90
					$25,910.00	**sub-total**	**$24,225.85**	**$24,225.85**			**$1,684.15**
Grading											
4	2,300	LS	Grading (Cut 2300 cy; Fill 1300 cy)	$5.50	$12,650.00	93.5%	$11,827.75	$11,827.75	Approve 2/15	6.5%	$822.25
5	3,500	LS	2' Over Ex (3500 cy)	$5.50	$19,250.00	93.5%	$17,998.75	$17,998.75	Approve 2/15	6.5%	$1,251.25
6	2,800	cy	EXPORT (80% of Over-ex)	$3.00	$8,400.00	93.5%	$7,854.00	$7,854.00	Approve 2/15	6.5%	$546.00
7	3,000	cy	IMPORT	$3.00	$9,000.00	93.5%	$8,415.00	$8,415.00	Approve 2/15	6.5%	$585.00
8	215	lf	Retaininag Wall Prep	$3.00	$645.00	215.0	$645.00	$645.00	Approved 2017	0.0	$0.00
9	1,975	lf	Curb Prep	$4.00	$7,900.00	1702.0	$6,808.00	$6,808.00	Approve 2/15	273.0	$1,092.00
10	53,000	sf	Final-grading for roadways	$0.18	$9,540.00	49450.0	$8,901.00	$8,901.00	Approve 2/15	3550.0	$639.00
					$67,385.00	**sub-total**	**$62,449.50**	**$62,449.50**			**$4,935.50**
Sewer Utilities											
11	300	lf	4" HDPE Sewer Main	$12.00	$3,600.00	300.0	$3,600.00	$3,600.00	Approve 2/15	0.0	$0.00
12	1	ea	Septic Tank (2500 gal) (Material)	$3,150.00	$3,150.00	1.0	$3,150.00	$3,150.00	Approve 2/15	0.0	$0.00
13	1	ea	Septic Tank (2500 gal) (Installation)	$3,150.00	$3,150.00	1.0	$3,150.00	$3,150.00	Approve 2/15	0.0	$0.00
14	1	ea	Septic Tank (1750 gal) (Material)	$2,250.00	$2,250.00	1.0	$2,250.00	$2,250.00	Approve 2/15	0.0	$0.00
15	1	ea	Septic Tank (1750 gal) (Installation)	$2,250.00	$2,250.00	1.0	$2,250.00	$2,250.00	Approve 2/15	0.0	$0.00
16	2	ea	Septic Tank Pump	$1,800.00	$3,600.00	2.0	$3,600.00		To Be Approved Later	0.0	$0.00
					$18,000.00	**sub-total**	**$18,000.00**	**$14,400.00**			**$0.00**
Water Utilities											
17	1,030	lf	8" C-900 water main (Material)	$28.00	$28,840.00	300.0	$8,400.00	$8,400.00	Approve 2/15	730.0	$20,440.00
18	-	lf	6" C-900 water main	$24.00	$0.00	0.0	$0.00		Kayenta	0.0	$0.00
19	730	lf	4" C-900 irrigation main	$12.00	$8,760.00	0.0	$0.00		Kayenta	730.0	$8,760.00
20	1	ea	Fire hydrants w/ 6" line and valve	$3,750.00	$3,750.00	1.0	$3,750.00	$3,750.00	Approve 2/15	0.0	$0.00
21	2	ea	Raise/concrete valve	$150.00	$300.00	1.0	$150.00	$150.00	Approve 2/15	1.0	$150.00
22	1	ea	8" Gate Valve	$2,100.00	$2,100.00	0.0	$0.00		Kayenta	1.0	$2,100.00
23	2	ea	Single 1" water service w/ 3/4" setter	$600.00	$1,200.00	2.0	$1,200.00	$1,200.00	Approve 2/15	0.0	$0.00
24	1	ea	Single Irrigation 1" water service w/ 3/4" setter	$600.00	$600.00	1.0	$600.00	$600.00	Approve 2/15	0.0	$0.00
					$45,550.00	**sub-total**	**$14,100.00**	**$14,100.00**			**$31,450.00**
Roadway											
25	4,400	sf	4" plant mix asphalt w/ prime (Hwy)	$2.00	$8,800.00	2200.0	$4,400.00		Approve 3/1	2200.0	$4,400.00
26	4,400	sf	8" untreated type II gravel road base (Hwy) (Installation)	$0.60	$2,640.00	2200.0	$1,320.00	$1,320.00	Approve 2/15	2200.0	$1,320.00
27	4,400	sf	8" untreated type II gravel road base (Hwy) (Material)	$0.20	$880.00	2200.0	$440.00	$440.00	Approve 2/15	2200.0	$440.00
28	43,000	sf	2 1/2" plant mix asphalt w/ prime	$1.35	$58,050.00	39450.0	$53,257.50		Approve 3/1	3550.0	$4,792.50
29	43,000	sf	6" untreated type II gravel road base (Installation)	$0.60	$25,800.00	39450.0	$23,670.00	$23,670.00	Approve 2/15	3550.0	$2,130.00
30	43,000	sf	6" untreated type II gravel road base (Material)	$0.15	$6,450.00	39450.0	$5,917.50	$5,917.50	Approve 2/15	3550.0	$532.50
31	6,900	sf	3" plant mix asphalt w/ prime (Path)	$1.35	$9,315.00	6900.0	$9,315.00		Approve 3/1	0.0	$0.00

Fire Lake Park - Parking and Entrance Roadway
Negotiated Pricing and Estimates

Item #	Quantity		Description	Unit Cost	Total Cost	Ivins City Quantity	Ivins City Cost	4/16/2017 and 2/15/2018 Approval	Status	Kayenta Quantity	Kayenta Cost
32	6,900	sf	4" untreated type II gravel road base (Path) (Installation)	$0.60	$4,140.00	6900.0	$4,140.00	$4,140.00	Approve 2/15	0.0	$0.00
33	6,900	sf	6" untreated type II gravel road base (Path) (Material)	$0.15	$1,035.00	6900.0	$1,035.00	$1,035.00	Approve 2/15	0.0	$0.00
34	54,300	sf	Premium Seal	$0.15	$8,145.00	50750.0	$7,612.50		To Be Approved Later	3550.0	$532.50
35	3,700	sf	Concrete Service Road (6")	$4.50	$16,650.00	3700.0	$16,650.00		To Be Approved Later	0.0	$0.00
36	3,700	sf	6" untreated type II gravel road base (Installation)	$0.60	$2,220.00	3700.0	$2,220.00	$2,220.00	Approve 2/15	0.0	$0.00
37	3,700	sf	6" untreated type II gravel road base (Material)	$0.15	$555.00	3700.0	$555.00	$555.00	Approve 2/15	0.0	$0.00
					$144,680.00	**sub-total**	**$130,532.50**	**$39,297.50**			**$14,147.50**
Site											
38	550	lf	"A" Curb	$11.00	$6,050.00	550.0	$6,050.00		To Be Approved Later	0.0	$0.00
39	368	lf	Modified curb	$10.00	$3,680.00	95.0	$950.00		To Be Approved Later	273.0	$2,730.00
40	33	lf	Zero Face Curb	$11.00	$363.00	33.0	$363.00		To Be Approved Later	0.0	$0.00
41	1,537	lf	30" Curb and Gutter	$11.00	$16,907.00	1477.0	$16,247.00		To Be Approved Later	60.0	$660.00
42	214	lf	Retaining Wall and footings	$65.00	$13,910.00	200.5	$13,032.50	$13,032.50	Approved 2017	13.5	$877.50
43	317	lf	Privacy Wall (4')	$65.00	$20,605.00	158.5	$10,302.50		To Be Approved Later	158.5	$10,302.50
44	1	ea	Gate (Parking Area)	$5,000.00	$5,000.00	1.0	$5,000.00		To Be Approved Later	0.0	$0.00
45	1	ea	Tire Ripper	$5,000.00	$5,000.00	1.0	$5,000.00		To Be Approved Later	0.0	$0.00
46	1,200	lf	Striping (parking on road and parking lot)	$0.20	$240.00	1200.0	$240.00		To Be Approved Later	0.0	$0.00
47	94	lf	Grind down Spillway	$2.00	$188.00	94.0	$188.00		To Be Approved Later	0.0	$0.00
48	94	lf	Spillway Cap (6")	$3.00	$282.00	94.0	$282.00		To Be Approved Later	0.0	$0.00
49	52	lf	Extend Spillway Concrete	$15.00	$780.00	52.0	$780.00		To Be Approved Later	0.0	$0.00
50	2	ea	Monuments	$500.00	$1,000.00	1.0	$500.00		To Be Approved Later	1.0	$500.00
51	1	LS	Entrance Sign	$5,000.00	$5,000.00	1.0	$5,000.00		To Be Approved Later	0.0	$0.00
52	2	sf	Street Signs	$250.00	$500.00	2.0	$500.00		To Be Approved Later	0.0	$0.00
53	160	lf	City Conduit Crossing (1 - 4" / 2 - 2")	$15.00	$2,400.00	160.0	$2,400.00	$2,400.00	Approve 2/15	0.0	$0.00
54	160	lf	Kayenta Conduit Crossing (1 - 4" / 2 - 2")	$15.00	$2,400.00	0.0	$0.00		Kayenta	160.0	$2,400.00
55	650	lf	City Conduit (3 - 2")	$18.00	$11,700.00	650.0	$11,700.00	$11,700.00	Approve 2/15	0.0	$0.00
56	650	lf	Kayenta Conduit (2 - 2")	$18.00	$11,700.00	0.0	$0.00		Kayenta	650.0	$11,700.00
57	650	lf	Utilities Conduit (1 - 3" / 2 - 2")	$12.00	$7,800.00	0.0	$0.00		Kayenta	650.0	$7,800.00
58	1	ea	Street Light	$3,000.00	$3,000.00	1.0	$3,000.00		To Be Approved Later	0.0	$0.00
					$118,505.00	**sub-total**	**$81,535.00**	**$27,132.50**			**$36,970.00**
Drainage											
59	400	lf	12" Storm Drain (Material & Installation)	$20.00	$8,000.00	345.0	$6,900.00	$6,900.00	Approve 2/15	55.0	$1,100.00
60	88	lf	18" Storm Drain (Material & Installation)	$30.00	$2,640.00	88.0	$2,640.00	$2,640.00	Approve 2/15	0.0	$0.00
61	500	lf	24" Storm Drain (Installation)	$25.10	$12,550.00	340.0	$8,534.00	$8,534.00	Approve 2/15	160.0	$4,016.00
62	400	lf	24" Storm Drain (Material)	$27.82	$11,128.00	400.0	$11,128.00	$11,128.00	Approved 2017	0.0	$0.00
63	100	lf	24" Storm Drain (Material)	$31.16	$3,115.84	-60.0	-$1,869.50	-$1,869.50	Approve 2/15	160.0	$4,985.34
64	2	ea	Storm Drain Inlet 2x3 (Material)	$1,473.00	$2,946.00	2.0	$2,946.00	$2,946.00	Approve 2/15	0.0	$0.00
65	2	ea	Storm Drain Inlet 2x3 (Installation)	$1,250.00	$2,500.00	2.0	$2,500.00	$2,500.00	Approve 2/15	0.0	$0.00
66	7	ea	Storm Drain Inlet 3x3 (Material)	$1,850.00	$12,950.00	7.0	$12,950.00	$12,950.00	Approve 2/15	0.0	$0.00
67	7	ea	Storm Drain Inlet 3x3 (Installation)	$2,300.00	$16,100.00	7.0	$16,100.00	$16,100.00	Approve 2/15	0.0	$0.00
68	5	ea	Storm Drain Inlet 4x4 (Material)	$2,405.00	$12,025.00	3.0	$7,215.00	$7,215.00	Approve 2/15	2.0	$4,810.00

Fire Lake Park - Parking and Entrance Roadway
Negotiated Pricing and Estimates

Item #	Quantity		Description	Unit Cost	Total Cost	Ivins City Quantity	Ivins City Cost	4/16/2017 and 2/15/2018 Approval	Status	Kayenta Quantity	Kayenta Cost
69	5	ea	Storm Drain Inlet 4x4 (Installation)	$2,345.00	$11,725.00	3.0	$7,035.00	$7,035.00	Approve 2/15	2.0	$4,690.00
70	1	ea	Headwall	$2,200.00	$2,200.00	1.0	$2,200.00		To Be Approved Later	0.0	$0.00
71	150	lf	24" Storm Drain (Installation) - extend to wash	$25.10	$3,765.00	112.5	$2,823.75	$2,823.75	Approve 2/15	37.5	$941.25
72	150	lf	24" Storm Drain (Material) - extend to wash	$31.16	$4,673.76	112.5	$3,505.32	$3,505.32	Approve 2/15	37.5	$1,168.44
73	1	ea	Storm Drain Inlet 3x3 (Material)	$1,850.00	$1,850.00	0.5	$925.00	$925.00	Approve 2/15	0.5	$925.00
74	1	ea	Storm Drain Inlet 3x3 (Installation)	$2,300.00	$2,300.00	0.5	$1,150.00	$1,150.00	Approve 2/15	0.5	$1,150.00
					$110,468.60	**sub-total**	**$86,682.57**	**$84,482.57**			**$23,786.03**
Engineering/Staking											
75	1	ls	Landscaping	$25,000.00	$25,000.00	1.0	$25,000.00		To Be Approved Later	0.0	$0.00
76	1	ls	Engineering	$27,000.00	$0.00	93.5%	$25,245.00	$25,245.00	Approve 2/15	6.5%	$1,755.00
77	1	ls	Construction Staking	$8,000.00	$8,000.00	93.5%	$7,480.00	$7,480.00	Approve 2/15	6.5%	$520.00
					$33,000.00	**sub-total**	**$57,725.00**	**$32,725.00**			**$2,275.00**
					$590,498.60	**TOTAL**	**$475,250.42**	**$298,812.92**			**$115,248.18**