Ivins City Staff Report
City Council Meeting 2/6/2020

Agenda Item: Discuss and consider approval of an expenditure for Fire Lake Park at Ivins Reservoir West Side Trail/Road Extension

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

Recommended City Council Action:
Approve expenditure of $162,500 for West Side Trail/Road Extension at Fire Lake Park at Ivins Reservoir.

BACKGROUND:
The Fire Lake Park plans include a 12-foot wide concrete paved service road/trail that extends along the west beach of Fire Lake Park and then loops back to the causeway/dam with 10' wide trail that encircles the recreation pond as shown on the map.

The City has requested assistance in funding the road/trail from the following:
Washington County: $50,000
Washington County Water Conservancy District: $50,000
State of Utah, Division of Parks and Recreation Grant: $62,500

The work includes excavation, export of clays, reinforced concrete paving, minimally extending underground utilities to future building pad on the Shivwits, installing drainage facilities to prevent erosion of beach.

FINDINGS AND ANALYSIS:
We have received two concrete bids and two site preparation bids as listed below:

Concrete Bids:

Contractor	Unit Price	Quantity	Total
LWB Construction	$5.40 per sq ft	11,860 sq ft	$64,044.00
Interstate Rock Construction	$5.50 per sq ft	11,860 sq ft	$65,274.60

Site Preparation Bids:

Contractor	Total Price
Prime Construction	$86,094.81
Interstate Rock Construction	$104,335.64

Low Bid Total: $150,138.81

Engineering and Construction Survey Costs: $5,000
Sand Purchase from Gunlock Rock: $7,000

Total Expenditure Request: $162,500

SUPPORT MATERIALS:
Map
Bid Tabulation

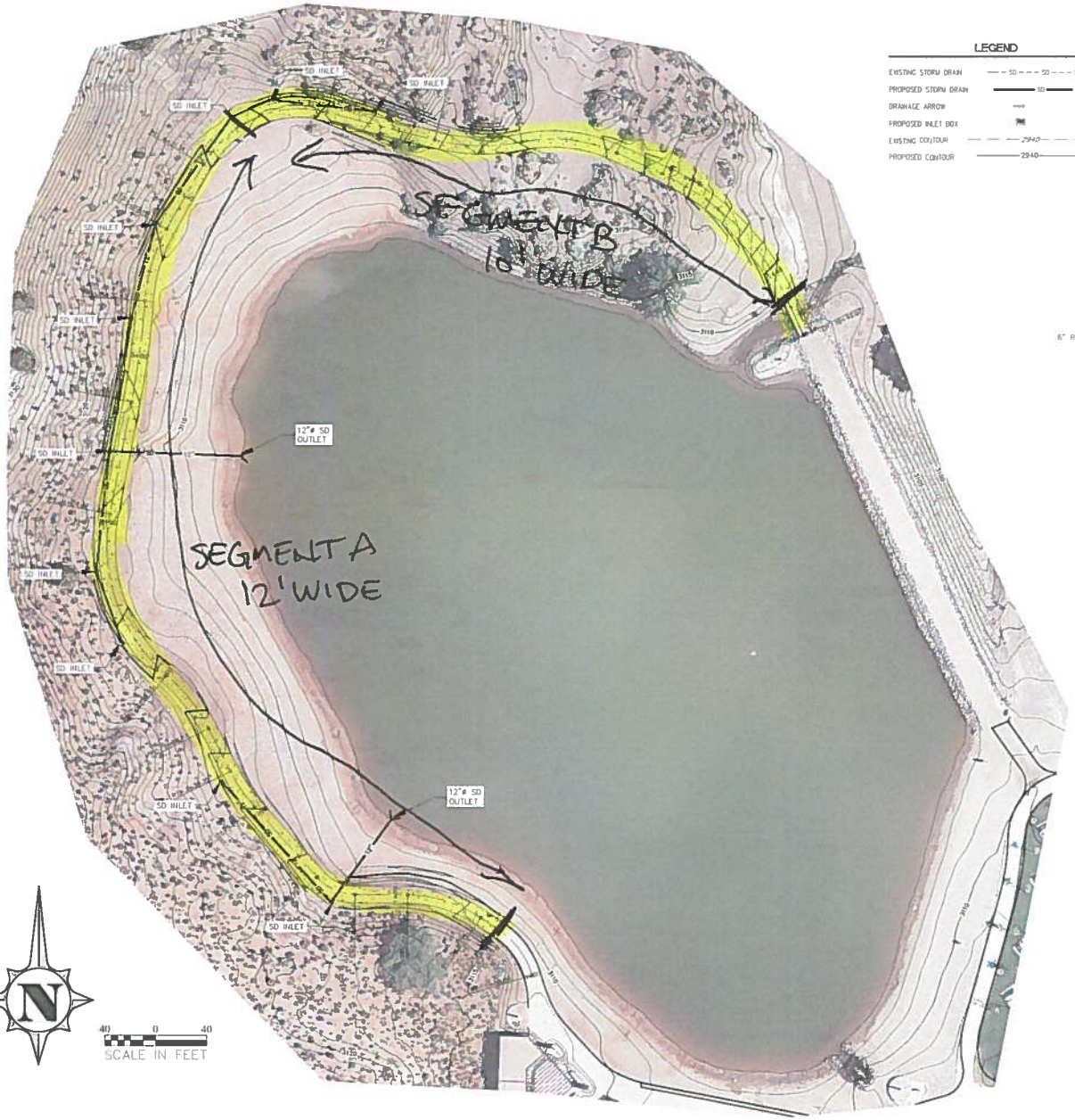
FINANCIAL IMPACT:
4940699: $162,500

Respectfully Submitted:

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

Content Review:

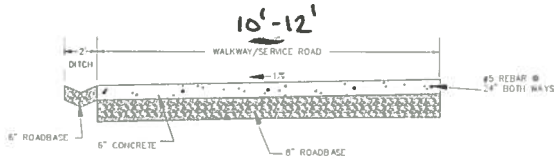
Dale Coulam, City Manager

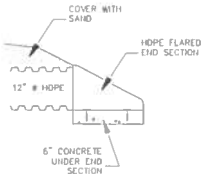


40 0 40
SCALE IN FEET

LEGEND

EXISTING STORM DRAIN — SD — SD — SD — SD —
PROPOSED STORM DRAIN — SD — 15" —
DRAINAGE ARROW
PROPOSED INLET BOX
EXISTING CONTOUR — 2940 —
PROPOSED CONTOUR — 2940 —





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.

No.	Description of Revisions	Date	By

KUMA
ENGINEERING COMPANY
468 WEST TOWAPAH WAY
IVINS, UT 84738
(435) 229-0244

GRADING ,DRAINAGE & SITE PLAN
FIREL LAKE PARK

PREPARED FOR IVINS CITY
PROJECT LOCATED IN SECTIONS 35 AND 36, T41S, R17W SLB&M
IVINS, UTAH

Project : FLP
File : BASE 07-04-20
Date : FEB 2020
Drafted by : BH
Reviewe by : BH

Scale :
1 = 40

Sheet No.
1

Fire Lake Park at Ivins Reservoir

West Trail Extension - Contract 19-05

Bid Tabulation

				Engineer's Estimate		Prime Construction/LWB Construction				Interstate Rock	
Item	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
Segment A - 12' wide by 680 lf											
A1	Mobilization	1	LS	$ 2,000.00	$ 2,000.00			$ 6,000.00	$ 6,000.00	6399.59	$ 6,399.59
A2	Export Material - 300' x 13' x 12"	144	CY	$ 15.00	$ 2,166.67			$ 8.00	$ 1,155.56	17.59	$ 2,540.78
A3	Subgrade, scarify and recompact	8840	SF	$ 0.25	$ 2,210.00			$ 0.50	$ 4,420.00	0.22	$ 1,944.80
A4	8" Roadbase	8840	SF	$ 0.90	$ 7,956.00			$ 1.20	$ 10,608.00	1.28	$ 11,315.20
A5	6" Concrete, Reinforced #5s @ 24"OC, Dowelled Joints @ 40',	8160	SF	$ 5.50	$ 44,880.00	$ 5.40	$ 44,064.00				$ -
A6	Replace lost sand	567	CY	$ 14.00	$ 7,933.33			$ 11.00	$ 6,233.33	22	$ 12,466.67
A7	Extend 8" Waterline	100	LF	$ 40.00	$ 4,000.00			$ 30.00	$ 3,000.00	54.57	$ 5,457.00
A8	Extend 6" Sewerline	100	LF	$ 30.00	$ 3,000.00			$ 27.00	$ 2,700.00	38.26	$ 3,826.00
A9	2'x2' Drop Inlets	7	EA	$ 1,000.00	$ 7,000.00			$ 1,097.00	$ 7,679.00	1633.7	$ 11,435.90
A10	12" HDPE Drainage Pipe	515	LF	$ 25.00	$ 12,875.00			$ 32.70	$ 16,840.50	34.76	$ 17,901.40
A11	12" Flared End Fitting Installation	2	EA	$ 400.00	$ 800.00			$ 503.00	$ 1,006.00	436.28	$ 872.56
A12	Grade Ditch	680	LF	$ 4.00	$ 2,720.00			$ 7.50	$ 5,100.00	7.57	$ 5,147.60
A12	Bonding	1	LS	$ 900.00	$ 900.00			$ 1,950.00	$ 1,950.00	2409.89	$ 2,409.89
	Segment A Subtotal				$ 98,441.00		$ 44,064.00		$ 66,692.39		$ 81,717.38
Segment B - 10' wide by 370 lf											
B1	Export Material - 11'x370'x12"	151	CY	$ 15.00	$ 2,261.11			$ 8.00	$ 1,205.93	17.59	$ 2,651.53
B2	Subgrade, scarify and recompact	4070	SF	$ 0.25	$ 1,017.50			$ 0.50	$ 2,035.00	0.22	$ 895.40
B3	8" Roadbase	4070	SF	$ 0.90	$ 3,663.00			$ 1.20	$ 4,884.00	1.26	$ 5,128.20
B4	6" Concrete, Reinforced #5s @ 24"OC, Dowelled Joints @ 40',	3700	SF	$ 5.50	$ 20,350.00	$ 5.40	$ 19,980.00				$ -
B5	Grade Ditch	370	LF	$ 4.00	$ 1,480.00			$ 6.75	$ 2,497.50	9	$ 3,330.00
B6	2'x2' Drop Inlets	2	EA	$ 1,000.00	$ 2,000.00			$ 1,097.00	$ 2,194.00	1684.57	$ 3,369.14
B7	12" HDPE Drainage Pipe	180	LF	$ 25.00	$ 4,500.00			$ 32.70	$ 5,886.00	34.76	$ 6,256.80
B8	Bonding	1	LS	$ 400.00	$ 400.00			$ 700.00	$ 700.00	987.19	$ 987.19
	Segment B Subtotal				$ 35,671.61		$ 19,980.00		$ 19,402.43		$ 22,618.26
				Total Estimate	$ 134,112.61		$ 64,044.00		$ 86,094.81		$ 104,335.64
								Total Bid Price:	$ 150,138.81		
	Engineering and Staking				$ 5,000.00						
	Sand Purchases $11 per cy				$ 7,000.00						