Ivins City Staff Report
City Council Meeting 4/16/2015

Agenda Item: Approval of expenditure and award of construction contract for 2015 Street Improvements

Submitted by: Charles R. Gillette, P.E., City Engineer

Recommended City Council Action:
Approve expenditure of $342,000 and award of construction contract to Sunroc Construction for 2015 Street Improvements

BACKGROUND:
The 2015 Street Improvements project consists of street and trail improvements at multiple sites throughout the City, which are listed as follows:

- Snow Canyon Parkway Roundabout – reconstruct asphalt due to major rutting
- Pioneer Parkway Overlay – 2" asphalt overlay for street maintenance
- 100 East 800 South Pavement Repair
- 200 East VA Asphalt Trail Connection
- Center Street Trail Connection from Painted Hills Dr to Snow Canyon Drive
- 220 South 100 West Curb Extension (Best Property)
- 200 East Street Widening (at Christiansen Property approx. 900 S)
- 400 East Street Widening (at Christiansen Property approx.. 900 S)
- Kwavasa Drive Low Water Crossing at Coyote Gulch

FINDINGS AND ANALYSIS:
The bid opening was held on April 8th, 2015. Ivins received three bids. The bids ranged from $321,198.70 to $368,870.86. The lowest bid was submitted by Sunroc Construction. Ivins City has worked with Sunroc on several construction projects and has no concerns about their ability to complete the work. A 5% contingency of $15,801.30 for unforeseen change orders or other miscellaneous expenses is included in this expenditure authorization. Also, the City is required to provide the construction staking. This is expected to cost $5,000. Therefore the entire expenditure request is for $342,000.

SUPPORT MATERIALS:

- Bid Tabulation
- Map of Project Locations

FINANCIAL IMPACT:
Funds are available for this project according to current budgets. The project will be billed to appropriate billing codes. It is estimated that the costs will be distributed between general ledger budget items as follows.

Street Maintenance (Sites A, B, C, F, & I), G/L 10-60-515:	$180,700
Trails Capital Improvements (Sites D & E), G/L 49-40-660:	$64,700
Streets Capital Improvements 200 East (Site G), G/L 49-40-825:	$64,800
Streets Capital Improvements Gap Fill (Site H), G/L 49-40-707:	$31,800

The final distribution of costs will depend on which sites might incur change order expenses.

Respectfully Submitted:

Charles R. Gillette, P.E., City Engineer

Content Review:

Dale Coulam, City Manager

Ivins City 2015 Street Improvements

Schedule A: Snow Canyon Parkway Roundabout Asphalt Repair (Bid Set A - Sheet 2)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
A1	Site mobilization and traffic control	1	LS	$6,700.00	$6,700.00	$7,000.00	$7,000.00	$6,789.94	$6,789.94
A2	Remove 4" Asphalt/Base Material, Export and Recompact Remaining Base	25,900	SF	$0.34	$8,806.00	$0.71	$18,389.00	$0.55	$14,245.00
A3	Asphalt Concrete, 5" Thick	782	Tons	$77.00	$60,214.00	$79.30	$62,012.60	$84.73	$66,258.86
A4	Concrete Collars, remove and replace	1	Each	$625.00	$625.00	$600.00	$600.00	$480.46	$480.46
A5	Restriping	1	LS	$4,170.00	$4,170.00	$3,700.00	$3,700.00	$3,774.26	$3,774.26
			Schedule A Price		$80,515.00		$91,701.60		$91,548.52

Schedule B: Pioneer Parkway Overlay (Bid Set A - Sheet 3)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
B1	Site mobilization, edge milling, and traffic control	1	LS	$8,600.00	$8,600.00	$7,950.00	$7,950.00	$13,051.31	$13,051.31
B2	Asphalt Concrete, 2" Thick Overlay, incl. Tack Coat	556	Tons	$81.00	$45,036.00	$78.50	$43,646.00	$99.34	$55,233.04
B3	Concrete Collars, remove and replace	10	Each	$500.00	$5,000.00	$530.00	$5,300.00	$423.31	$4,233.10
B4	Restriping	1	LS	$1,700.00	$1,700.00	$1,550.00	$1,550.00	$1,563.62	$1,563.62
			Schedule B Price		$60,336.00		$58,446.00		$74,081.07

Schedule C: 800 South Street Repair at 100 East (Bid Set A - Sheet 4)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
C1	Site mobilization, sawcuts, and traffic control	1	LS	$2,200.00	$2,200.00	$2,500.00	$2,500.00	$4,212.37	$4,212.37
C2	Asphalt removal	1070	SF	$0.60	$642.00	$0.30	$321.00	$0.77	$823.90
C3	Excavation, subgrade scarify 8" and recompaction	1300	SF	$0.80	$1,040.00	$0.85	$1,105.00	$0.65	$845.00
C4	Untreated Base Course, 6" thick	1300	SF	$0.85	$1,105.00	$1.24	$1,612.00	$0.81	$1,053.00
C5	Asphalt Concrete, 3" thick	24	Tons	$100.00	$2,400.00	$102.00	$2,448.00	$154.41	$3,705.84
			Schedule C Price		$7,387.00		$7,986.00		$10,640.11

Schedule D: 200 East VA Trail Connection (Bid Set A - Sheet 5)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
D1	Site mobilization, sawcuts, and traffic control	1	LS	$3,800.00	$3,800.00	$2,150.00	$2,150.00	$5,387.55	$5,387.55
D2	Concrete Removals	140	SF	$1.55	$217.00	$4.35	$609.00	$2.09	$292.60
D3	Excavation, Export, and subgrade 8" scarify and recompact	5500	SF	$0.77	$4,235.00	$0.51	$2,805.00	$0.90	$4,950.00
D4	Untreated Base Course, 4" thick	5500	SF	$0.65	$3,575.00	$0.72	$3,960.00	$0.30	$1,650.00
D5	Asphalt Concrete for Trail, 2.5" thick	83	Tons	$96.00	$7,968.00	$98.00	$8,134.00	$120.28	$9,983.24
D6	New Concrete Flat, 6" Thick	311	SF	$5.00	$1,555.00	$3.15	$979.65	$6.31	$1,962.41
D7	ADA Ramp, 4' Wide	1	LS	$1,000.00	$1,000.00	$800.00	$800.00	$1,325.00	$1,325.00
D8	ADA Ramp, 6' Wide	1	LS	$1,125.00	$1,125.00	$900.00	$900.00	$1,443.09	$1,443.09
			Schedule D Price		$23,475.00		$20,337.65		$26,993.89

Schedule E: Center Street Trail Extension (Bid Set A - Sheets 6 & 7)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
E1	Site mobilization, sawcuts, excavations, material export	1	LS	$8,700.00	$8,700.00	$12,500.00	$12,500.00	$12,119.63	$12,119.63
E2	Concrete Removals	542	SF	$1.00	$542.00	$1.35	$731.70	$2.17	$1,176.14
E3	Subgrade 8" Scarify and Recompact	12340	SF	$0.15	$1,851.00	$0.21	$2,591.40	$0.38	$4,689.20
E4	Untreated Base Course, 4" thick	12340	SF	$0.50	$6,170.00	$0.70	$8,638.00	$0.20	$2,468.00
E5	Asphalt Concrete for Trail, 2.5" thick	180	Tons	$87.00	$15,660.00	$79.50	$14,310.00	$115.30	$20,754.00
E6	New Concrete Flat, 6" Thick	400	SF	$5.25	$2,100.00	$3.15	$1,260.00	$4.82	$1,928.00
E7	ADA Ramp 8' Wide	1	LS	$1,240.00	$1,240.00	$1,000.00	$1,000.00	$1,804.03	$1,804.03
E8	Sewer Manhole Adjustment	2	EA	$525.00	$1,050.00	$600.00	$1,200.00	$593.12	$1,186.24
			Schedule E Price		$37,313.00		$42,231.10		$46,125.24

Schedule F: 220 South 100 West Curb Extension (Bid Set A - Sheet 8)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
F1	Site mobilization, sawcuts, excavations, material export	1	LS	$2,350.00	$2,350.00	$3,100.00	$3,100.00	$6,589.28	$6,589.28
F2	Curb & gutter w/ base course & subgrade preparation	165	LF	$20.60	$3,399.00	$19.50	$3,217.50	$16.20	$2,673.00
F3	Subgrade 8" Scarify and Recompact	330	SF	$0.85	$280.50	$1.00	$330.00	$1.79	$590.70
F4	Untreated Base Course, 6" thick	330	SF	$1.20	$396.00	$2.50	$825.00	$1.79	$590.70
F5	Asphalt, 3" thick	330	SF	$2.70	$891.00	$2.85	$940.50	$7.94	$2,620.20
			Schedule F Price		$7,316.50		$8,413.00		$13,063.88

Schedule G: 200 East Widening (Bid Set 200 East - Sheets 1 - 3)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
G1	Site mobilization and traffic control	1	LS	$3,785.00	$3,785.00	$3,100.00	$3,100.00	$4,095.00	$4,095.00
G2	Sawcut	500	LF	$0.60	$300.00	$0.75	$375.00	$0.48	$240.00
G3	Asphalt removal	4250	SF	$0.28	$1,190.00	$0.33	$1,402.50	$0.44	$1,870.00
G4	Subgrade 8" Scarify and Recompact	13000	SF	$0.15	$1,950.00	$0.45	$5,850.00	$0.34	$4,420.00
G5	Curb & gutter w/ base course & subgrade preparation	415	LF	$16.20	$6,723.00	$17.50	$7,262.50	$14.35	$5,955.25
G6	Sidewalk with base course & subgrade preparation	1825	SF	$5.00	$9,125.00	$4.35	$7,938.75	$4.42	$8,066.50
G7	Driveway approach w/ base course & subgrade preparation	250	SF	$6.15	$1,537.50	$12.00	$3,000.00	$14.29	$3,572.50
G8	Untreated Base Course, 8" thick	9700	SF	$0.78	$7,566.00	$0.88	$8,536.00	$0.13	$1,261.00
G9	Asphalt, 3" thick	176	Tons	$83.00	$14,608.00	$77.00	$13,552.00	$84.19	$14,817.44
G10	Concrete wall and footing per detail	300	LF	$46.95	$14,085.00	$44.50	$13,350.00	$39.13	$11,739.00
			Schedule G Price		$60,869.50		$64,366.75		$56,036.69

Schedule H: 400 East Widening (Bid Set 400 East - Sheets 1 - 3)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
H1	Site mobilization and traffic control	1	LS	$2,800.00	$2,800.00	$2,100.00	$2,100.00	$4,914.00	$4,914.00
H2	Sawcut	450	LF	$0.60	$270.00	$1.05	$472.50	$0.48	$216.00
H3	Asphalt removal	500	SF	$0.57	$285.00	$1.20	$600.00	$0.77	$385.00
H4	Subgrade 8" Scarify and Recompact	6000	SF	$0.15	$900.00	$0.52	$3,120.00	$0.10	$600.00
H5	Curb & gutter w/ base course & subgrade preparation	410	LF	$16.00	$6,560.00	$17.35	$7,113.50	$15.41	$6,318.10
H6	Sidewalk with base course & subgrade preparation	2050	SF	$5.20	$10,660.00	$4.75	$9,737.50	$2.79	$5,719.50
H7	Untreated Base Course, 8" thick	2800	SF	$0.80	$2,240.00	$1.05	$2,940.00	$0.37	$1,036.00
H8	Asphalt, 3" thick	51	Tons	$82.00	$4,182.00	$79.00	$4,029.00	$111.40	$5,681.40
H9	Storm drain box	1	Each	$1,450.00	$1,450.00	$850.00	$850.00	$3,770.38	$3,770.38
H10	12" polypropylene pipe	8	LF	$65.00	$520.00	$42.00	$336.00	$293.85	$2,350.80
			Schedule H Price		**$29,867.00**		**$31,298.50**		**$30,991.18**

Schedule I: Kwavasa Drive Low Water Crossing (Bid Set A – Sheet 9 from Addendum #1)

Item	Description	Quantity	Unit	SUNROC		WESTERN ROCK		GORAN	
				Unit Price	Price	Unit Price	Price	Unit Price	Price
I1	Site mobilization, sawcuts, excavations, material export	1	LS	$4,700.00	$4,700.00	$2,800.00	$2,800.00	$7,445.81	$7,445.81
I2	Asphalt removal (incl any curb removal)	1870	SF	$0.50	$935.00	$0.50	$935.00	$1.01	$1,888.70
I3	Subgrade 8" Scarify and Recompact	1870	SF	$0.20	$374.00	$0.86	$1,608.20	$0.57	$1,065.90
I4	Curb over asphalt match existing	60	LF	$28.00	$1,680.00	$21.00	$1,260.00	$18.93	$1,135.80
I5	Untreated Base Course, 6" thick	1870	SF	$0.65	$1,215.50	$1.07	$2,000.90	$0.49	$916.30
I6	Asphalt, 3" thick	21	Tons	$108.00	$2,268.00	$107.00	$2,247.00	$138.95	$2,917.95
I7	Concrete Waterway, 8" Thick Reinforced	307	SF	$9.60	$2,947.20	$7.05	$2,164.35	$13.26	$4,070.82
			Schedule I Price		**$14,119.70**		**$13,015.45**		**$19,441.28**
			TOTAL BID PRICE		**$321,198.70**		**$337,796.05**		**$368,921.86**

ERROR IN CALCULATION (CORRECT AMOUNT REFLECTED ON BID TABULATION)

IVINS CITY
CONTRACT NO. 15-05
2015 STREET IMPROVEMENTS

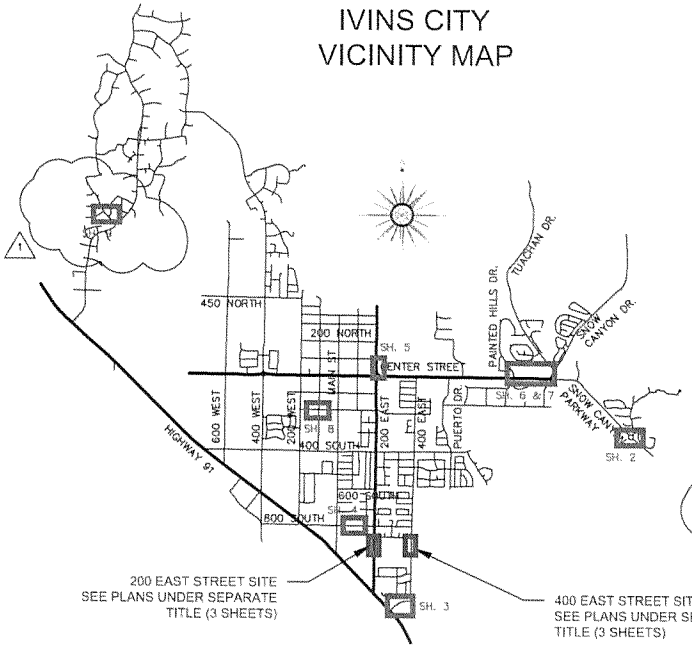
PLAN SET A (8 SHEETS)

LICENSED PROFESSIONAL ENGINEER
No. 343721
CHARLES R. ORLETTE
STATE OF UTAH
4/3/2015

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN STRICT CONFORMANCE TO THE "STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION IVINS CITY."
2. THE EXACT LOCATIONS OF SAW CUT LINES MAY BE DETERMINED IN THE FIELD BY IVINS CITY.
3. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES-CURRENT EDITION."
4. CURB AND GUTTER WITH A GRADE LESS THAN FOUR-TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
5. ALL CEMENT SHALL BE TYPE V.
6. ALL EXISTING CONSTRUCTION, TO BE MET BY NEW CONSTRUCTION, SHALL BE FIELD VERIFIED FOR VERTICAL AND HORIZONTAL LOCATIONS BEFORE THE START OF DEPENDENT NEW CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OF EXISTING CONDITIONS FROM THOSE SHOWN ON THE PLANS BEFORE THE START OF THE NEW CONSTRUCTION SO THAT ANY CHANGES WHICH MAY BE REQUIRED CAN BE MADE.
7. ANY ERRORS OR DISCREPANCIES IN THE PLANS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO COMMENCEMENT OF THE CONSTRUCTION. ERRORS OR DISCREPANCIES DISCOVERED AFTER THE COMMENCEMENT OF CONSTRUCTION, SHALL ALSO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPORT SUCH ERRORS OR DISCREPANCIES UPON DISCOVERY. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO RESOLVE SUCH ERRORS OR DISCREPANCIES WITH THE CONCURRENCE OF HIS CLIENT AND WITH THE APPROVAL OF THE CITY ENGINEER.
8. ALL WORK WITHIN PUBLIC RIGHTS-OF-WAY AND EASEMENTS, SHALL BE WARRANTED BY THE CONTRACTOR(S), FOR ONE YEAR FROM THE DATE OF FINAL APPROVAL.
9. THE CONTRACTOR SHALL COORDINATE A PRE-CONSTRUCTION MEETING IN ACCORDANCE WITH CITY REQUIREMENTS PRIOR TO ANY WORK.
10. CALL 811 AT LEAST TWO WORKING DAYS BEFORE YOU DIG TO NOTIFY UNDERGROUND SERVICE ALERT EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.
11. DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALING
12. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR BY A REGISTERED LAND SURVEYOR.
13. BACKFILL SHALL NOT BE PLACED IN ANY UTILITY OR DRAINAGE TRENCHES UNTIL THEY HAVE BEEN INSPECTED AND APPROVED BY IVINS CITY. THE CITY SHALL BE NOTIFIED AT LEAST ONE WORKING DAY PRIOR.
14. FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN OR OTHER DELETERIOUS MATERIALS. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12 INCHES IN ANY DIMENSION SHALL BE INCLUDED IN FILLS.
15. ALL FILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH IVINS CITY STANDARDS.

IVINS CITY VICINITY MAP



PLAN SET A – LIST OF DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SNOW CANYON PARKWAY ROUNDABOUT ASPHALT REPAIR – PLAN VIEW
3	PIONEER PARKWAY OVERLAY – PLAN VIEW
4	800 SOUTH STREET ASPHALT REPAIR AT 100 EAST – PLAN VIEW
5	200 EAST VA TRAIL CONNECTION – PLAN VIEW
6	CENTER STREET TRAIL EXTENSION – WEST PLAN VIEW
7	CENTER STREET TRAIL EXTENSION – EAST PLAN VIEW
8	220 SOUTH 100 WEST CURB EXTENSION – PLAN VIEW
9	ADDENDUM #1: KWAVASA DRIVE LOW WATER CROSSING

1 ADDENDUM #1: ADD SHEET 9

IVINS CITY
55 N. Main Street
Ivins, Utah 84738
435-634-0689
435-674-5486 (fax)

SCALE
PAPER UNITS
1"
0.5"
0.25"
0

2015 STREET IMPROVEMENTS

TITLE SHEET

DATE: 3/23/2015
DRAWN BY: CRG
CHECKED BY: CRG

SHEET NO.
1

TOTAL SHEETS: 8