Ivins City Staff Report
City Council Meeting 4/5/2018

Agenda Item: Approval of expenditure for streets pavement maintenance

Submitted by: Thomas J. Jorgensen, P.E., Assistant Public Works Director

Recommended City Council Action:
Approve expenditure of $255,496.42 for streets pavement maintenance plus an additional $12,000 for contingency for a total of $267,496.42

BACKGROUND:
Staff has identified 889,223 square feet (sqft) of streets that are in need of pavement maintenance this year. This year Staff is recommending using three different types of materials for our pavement maintenance program:

Slurry Seal
Cape Seal (consists of a slurry seal over a chip seal)
High Density Mineral Bond (HDMB) or "HA5"

All three products are effective treatments for protecting asphalt streets from deterioration from sun and water while providing a renewed skid resistant wearing surface. The following information provides insight on why one application might be recommended over another for the various streets throughout the City.

HDMB treatment provides an extended life of approximately 5-10 years, but can only be applied to roadways that are in good to excellent condition. Both the slurry seal and cape seal treatments provide an extended life of approximately 5-7 and 5-8 years, respectively. Slurry seal and cape seal treatments are more suitable for roadways that don't meet the condition requirements of the HDMB treatment. A cape seal is often more suitable for streets with even more deterioration and/or streets with higher traffic volumes, where just a slurry seal wouldn't be a good candidate.

Staff has inspected the streets to receive treatment this year and has determined which treatments are most suitable for each street section; HDMB (approximately 251,332 sqft), Chip Seal (approximately 509,147 sqft), and Slurry Seal (including all chip seal roads) (approximately 637,891 sqft). It should be noted that the Cape Seal was bid as its separate components, a chip seal and slurry seal. A map has been attached showing which streets are to receive with treatment.

Staff has also included the updated Pavement Maintenance Plan for the current fiscal year and for the next three fiscal years through to 2021.

FINDINGS AND ANALYSIS:
Bids were received from three companies for the slurry seal and four companies for the chip seal. A summary of these bids is provided below:

Bid Schedule - Slurry Seal

Bid	Company	Total Bid	Notes
1	American Pavement Preservation (Las Vegas, NV)	$88,028.96	Apparent Low Bidder
2	Morgan Pavement Maintenance (Clearfield, UT)	$91,856.30	
3	Intermountain Slurry Seal (SLC, UT)	$111,630.93	

Bid Schedule - Chip Seal

Bid	Company	Total Bid	Notes
1	Straight Strip Painting Inc.	$124,741.02	Apparent Low Bidder
2	CKC Field Services DBA CKC Asphalt	$127,286.75	
3	Intermountain Slurry Seal	$142,052.01	
4	Staker & Parson Co. DBA Western Rock Products	$147,652.63	

The apparent low bidder for the slurry seal was American Pavement Preservation and for the chip seal was Straight Strip Painting Inc. Staff therefore recommends awarding of the project to these contractors. Staff requests that the Council approve this expenditure.

Holbrook Asphalt provided an estimate of $42,726.44 for the HDMB "HA5". There are other slurry coat products in the market but none of those products have demonstrated results that Staff feels are comparable to HA5. For this reason, staff has determined the product should be purchased as a sole source product. Staff therefore recommends awarding of the project to Holbrook Asphalt. Staff requests that the Council approve this sole source expenditure. It should also be noted that Staff requested an estimate for the "Onyx" product, said to have equivalent benefits to HA5. Not only does Staff currently consider HA5 to be a superior product but the estimate for Onyx turned out to be more expensive than HA5, at $45,213.12.

It should also be noted that several of these roadways that are receiving treatment will need to be restriped. An estimate for restriping will be requested and will be included another expense for roadway preservation. The estimate for that expense and staff recommendation will be provided at another council meeting.

SUPPORT MATERIALS:
Project Map - 2018
Ivins City Maintenance Plan & Map – through 2021
HA5 and Onyx Estimates

FINANCIAL IMPACT:
The following general ledger codes will be used
Streets Fund: 10-60-515: $267,496.42 including a contingency of $12,000.

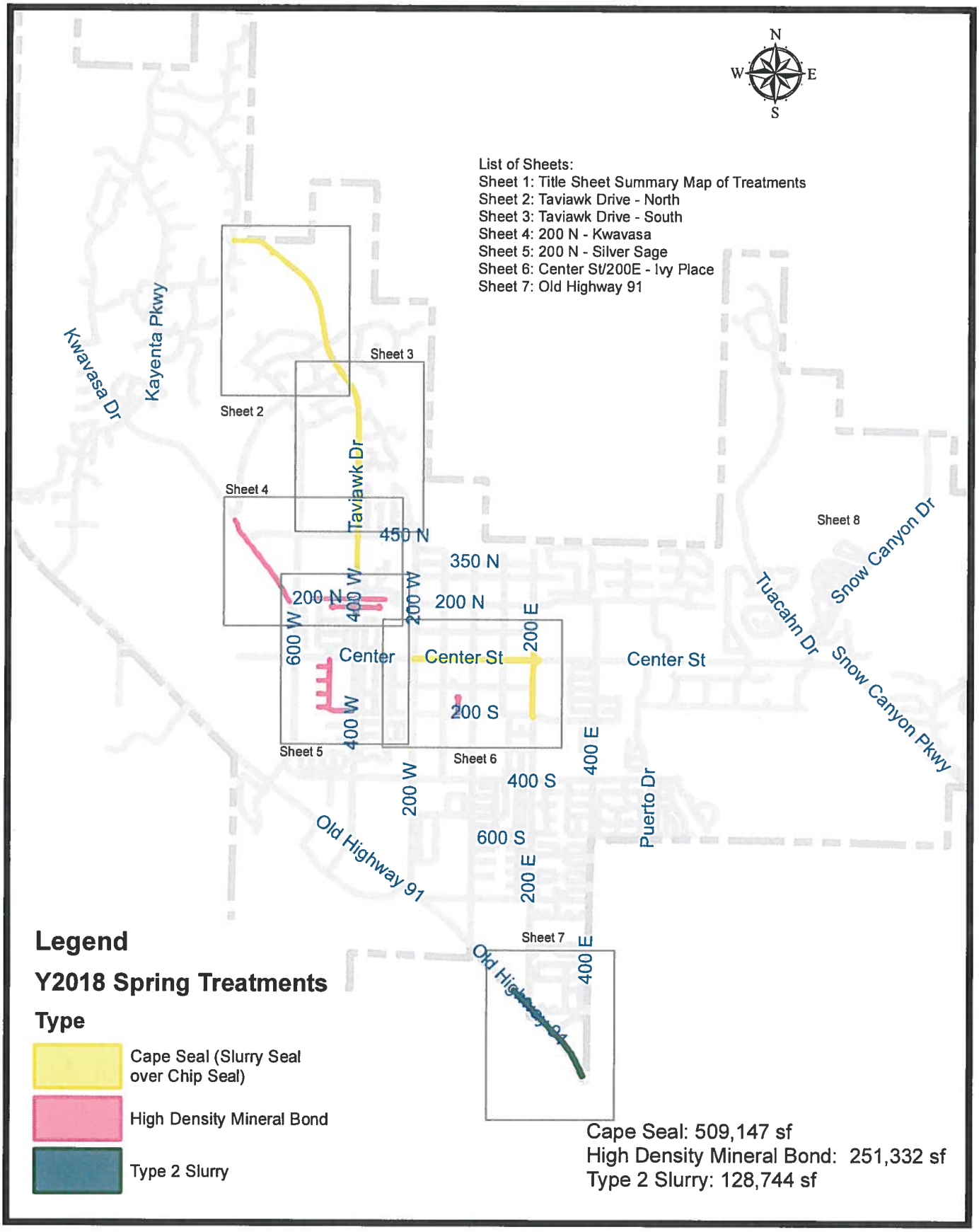
Respectfully Submitted:

Thomas J. Jorgensen, P.E., Assistant Public Works Director

Content Review:

Dale Coulam, City Manager

Ivins City 2018 Spring Pavement Management



Sheet 1

Title Sheet: Summary Map of Treatments

Ivins City Pavement Maintenance Plan (FYE2018)

Date: 2/26/2018

Year	Area Description	Previous Treatment	Treatment	Quantity	Unit	Unit Cost	Cost	
		FYE 2018						
		Budget: $325,000						
2018	Taviawk Drive	2012 Slurry	2018 Cape Seal	276390	SF	$ 0.383	$ 105,857	
2018	Center Street (Main to 200 W)	2012 Slurry	2018 Cape Seal	85164	SF	$ 0.383	$ 32,618	
2018	Center Street (200 E to Main)	2012 Slurry	2018 Cape Seal	74129	SF	$ 0.383	$ 28,391	
2019	200 E Center Street Roundabout	2012 Slurry	2018 Cape Seal	24661	SF	$ 0.383	$ 9,445	patch also
2019	200 E (Center Street to 200 S)	2014 Slurry	2019 Cape Seal	48803	SF	$ 0.383	$ 18,692	
2018	Ivy Place Subdivision	2014 Subdivision	2018 HA5	14209	SF	$ 0.170	$ 2,416	
2018	Cielo Vista (200 S, 200 W to 260 W)	2013 Slurry	2018 HA5	10621	SF	$ 0.170	$ 1,806	
2018	Silver Sage Ph1&2 Subdivision	2016 Subdivision	2018 HA5	61536	SF	$ 0.170	$ 10,461	
2018	Red Stone Estates	2015 Subdivision	2018 HA5	18785	SF	$ 0.170	$ 3,193	
2018	Cantera Cliffs	2016 Subdivision	2018 HA5	19000	SF	$ 0.170	$ 3,230	
2018	400 W (near Cantera/Redstone)	2016 Subdivision	2018 HA5	19171	SF	$ 0.170	$ 3,259	
2018	200 N (adj to Cantera/Redstone	2016 New/2014 Slurry	2018 HA5	44760	SF	$ 0.170	$ 7,609	
2018	Kwavasa Drive	2016 Construction	2018 HA5	63250	SF	$ 0.170	$ 10,753	
2018	Old Highway 91 (200 E to Sta Clara)	2016 Construction	2018 Slurry T2	128744	SF	$ 0.138	$ 17,767	
2018	Indigo Trails	2016 Subdivision	2017HA5	106870	SF	$ 0.151	$ 16,137	Done
2018	Landmark Testing		Cores/Analysis				$ 4,870	done
2018	Crack Seal Purchase #1, Old Town		Crack Seal				$ 22,006	bought
2018	Crack Seal Roads scheduled for treatment		Crack Seal				$ 22,006	bought
2018	Restriping		Restriping				$ 10,000	
2018	10k Contingency						$ 10,000	
2018	Indigo Trails Credit		Credit for Fog Seal	106,870	SF	$ (0.070)	$ (7,481)	
						2017 Total	**$ 333,035**	
		FYE 2019						
		Budget: $350,000						
2019	Padre Canyon Estates	2012 Slurry	2019 Slurry T2	282378	SF	$ 0.127	$ 35,862	
2019	Cliff Rose Ph 1 Subdivision	2015 Subdivision	2019 HA5	35345	SF	$ 0.160	$ 5,655	
2019	Cliff Rose Ph 2 Subdivision	2016 Subdivision	2019 HA5	36000	SF	$ 0.160	$ 5,760	
2019	Cliff Rose Ph 3 Subdivision	2017 Subdivision	2019 HA5	45972	SF	$ 0.160	$ 7,356	
2019	Puerto Drive (Ctr to 400 S)	2013 Slurry	2019 Cape Seal	124010	SF	$ 0.380	$ 47,124	Priority #4,
2019	Santarra Estates, 200 W (Ctr to 150 S)	2017 Subdivision	2019 HA5	54702	SF	$ 0.160	$ 8,752	
2019	Center Street (200 W to 550 W)	2017 Subdivision/2013	2019 HA5	44459	SF	$ 0.160	$ 7,113	
2019	Crimson Canyon	2017 Subdivision	2019 HA5	23929	SF	$ 0.160	$ 3,829	
2019	Wintook/Uwan	2012 Slurry	2018 Slurry T2	132363	SF	$ 0.127	$ 16,810	
2019	Snow Canyon Drive, Springs to Vermillion Cliff	2012 Slurry	2019 Cape Seal	87996	SF	$ 0.380	$ 33,438	Shiloh thinl
2019	400 S (400 W to 600 W), 600 W	2017/2016 New Aspha	2019 HA5	52976	SF	$ 0.160	$ 8,476	
2019	200 S, 200 W to 300 W Adj to Westbrook TH	2018 New Constr	2019 HA5	15040	SF	$ 0.160	$ 2,406	
2019	Pueblo Bonito	2012 Slurry	2019 Slurry T2	80640	SF	$ 0.127	$ 10,241	
2019	Window Rock/200 S	2012 Slurry	2019 Slurry T2	181100	SF	$ 0.127	$ 23,000	
2019	Painted Hills Dr/Citadel	2012 Slurry	2019 Slurry T2	172730	SF	$ 0.127	$ 21,937	
2019	1060 S & Hertiage Est North	2012 Slurry	2019 Slurry T2	123409	SF	$ 0.127	$ 15,673	
2019	Kwavasa Drive (Kayenta Pkwy to Keleva Trail)	2012 Slurry	2019 Slurry T2	56303	SF	$ 0.127	$ 7,150	
2019	Lower Kayenta Residential Streets	2012 Slurry	2019 Slurry T2	96616	SF	$ 0.127	$ 12,270	
2019	Crack Seal		Crack Seal				$ 30,000	
2019	Crimson Canyon Credit		Credit for Fog Seal	19,029	SF	$ (0.070)	$ (1,332)	
2019	Santarra Estates Credit		Credit for Fog Seal	36,000	SF	$ (0.070)	$ (2,520)	
2019	Westbrook TH Credit		Credit for Fog Seal	15,040	SF	$ (0.070)	$ (1,053)	
2019	Cliff Rose Phase 3 Subdivision		Credit for Fog Seal	84,795	SF	$ (0.070)	$ (5,936)	
2019	Contingency						$ 30,000	
						2019 Total	**$ 322,013**	
		FYE 2020						
		Budget: 350,000						
2020	Tuacahn Drive	2013 Slurry	2020 Cape Seal	126077	SF	0.127	$ 16,012	Priority #5
2020	Cordero Drive	2013 Slurry	2020 HA5	106681	SF	0.16	$ 17,069	
2020	400 East (Center to 450 S)	2013 Slurry	2020 Slurry T2	122303	SF	0.127	$ 15,532	
2020	Heritage Estates South	2013 Slurry	2020 HA5	102386	SF	0.16	$ 16,382	
2020	Tenaya Estates	2013 Slurry	2020 HA5	80664	SF	0.16	$ 12,906	
2020	Tenaya Sands	2013 Slurry	2020 HA5	114738	SF	0.16	$ 18,358	
2020	800 S, 200 E to 400 E	2016 Slurry	2020 Mill and 1.5" O	58,586	SF	$ 1.250	$ 73,233	Shiloh thinl
2020	800 S, 200 E to 100 E (south of discovery)	2016 Slurry	2020 Reconstruct	19,132	SF	$ 2.250	$ 43,047	
2020	Suncrest West	2013 Slurry	2020 HA5	115897	SF	0.16	$ 18,544	Slurry is un
2020	Center Street (200 W to 550 W)	2013 Slurry	2020 Slurry T2	102767	SF	0.127	$ 13,051	
2020	400 West (Center to 200 N)	2013 Slurry	2020 Slurry T2	45073	SF	0.127	$ 5,724	
2020	New 2019 Subdivisions	2019 Subdivisions	2020 HA5				$ 15,000	
2020	Crack Seal		Crack Seal				$ 30,000	
2020	30k Contingency						$ 30,000	
						2020 Total	**$ 324,858**	
		FYE 2021						
		Budget: $350,000						
2021	Puerto (400 S to Sta Clara Brdr)	2014 Slurry	2021 Cape Seal	53,283	SF	$ 0.380	$ 20,248	
2021	Red Rock Subdivision	2014 Slurry	2021 Slurry T2	178,616	SF	$ 0.127	$ 22,684	
2021	400 E (600 S to Pioneer) minus some	2014 Slurry	2021 Slurry T2	77,950	SF	$ 0.127	$ 9,900	
2021	855 S Plus	2014 Slurry	2021 Slurry T2	78,765	SF	$ 0.127	$ 10,003	
2021	Lee's Circle/675 S	2014 Slurry	2021 Slurry T2	43,806	SF	$ 0.127	$ 5,563	
2021	600 S, 175 E, 150 E	2014 Slurry	2021 Slurry T2	111,519	SF	$ 0.127	$ 14,163	
2021	400 S (400 W to Cordero Dr)	2014 Slurry	2021 Slurry T2	226,869	SF	$ 0.127	$ 28,812	
2021	Shadow Canyon (200 W, 170 W, 120 W, 685 S)	2014 Slurry	2021 Slurry T2	146,585	SF	$ 0.127	$ 18,616	
2021	Old Town plus 200 W and 100 W to 400 S	2014 Slurry	2021 Slurry T2	1,157,175	SF	$ 0.127	$ 146,961	
2021	Quail Cove	2014 Slurry	2021 Slurry T2	107,129	SF	$ 0.115	$ 12,320	
2020	New 2019 Subdivisions	2020 Subdivisions	HA5				$ 10,000	
2021	Crack Seal		Crack Seal				$ 30,000	
2021	30k Contingency						$ 30,000	
						2020 Total	**$ 289,271**	

HOLBROOK ASPHALT CO.
Asset Preservation

Utah Office
1545 E Commerce Dr.
St. George, UT 84790
P: 435.652.4427
F: 435.656.3943

Nevada Office
2900 Meade Ave, Ste 7
Las Vegas, NV 89118
P: 702.823.3902
F: 702.777.7575

Arizona Office
3806 S 16th Street
Phoenix, AZ 85040
P: 602.307.0425
F: 435.656.3943

www.HolbrookAsphalt.com

PROPOSAL

Date	Estimate
3/5/2018	17-37342

Client	Project Description	Project Location
Ivins City Public Works Dept 55 North Main Ivins UT 84738	2018 Spring HDMB	Ivins City City streets Ivins UT 84738

P.O. Number	Terms	Advisor	Region	State License #
	Due upon completion	CD	UT, Southern	UT-371406-5501

Description	Quantity	U/M	Rate	Total
HA5 HIGH DENSITY MINERAL BOND: -- Clean & prepare surface using high pressure air & wire bristle brooms. -- Install "HA5" High Density Mineral Bond advanced performance pavement preservation treatment. -- No guarantee surface treatments will adhere to areas saturated with motor oil. -- HA5 meets demands of APWA (American Public Works Association) specification (Section 32 01 13.68 High Density Mineral Bond). -- Pricing is based on work being completed in three days unless stated otherwise.	251,332	SqFt	0.17	42,726.44
If necessary, a payment and/or performance bond cost will be adjusted to the total price of this proposal at a rate of 2 percent. ($854.53)				
			Total	$42,726.44

Proposal void 30 days from date listed on proposal. By signing this proposal (contract), I agree that Holbrook Asphalt Co. may not be held liable for delays, conditions, or Acts of God beyond their control, which situations may delay or cause cancelation partially or entirely on any project. Delays include project demand and material supply. Holbrook Asphalt Co. is not liable for any ADA compliance, if needed, Client should consult with an ADA compliance professional prior to specific project approval.

PAYMENT TERMS: Due Upon Completion (Completion by line item 'Progess Billing' and/or completion of project core)

There may be concerns from Client following completion. Upon request, post-project walk-throughs may be scheduled to review concerns. Payment will still remain due upon invoice. Holbrook Asphalt Co. is committed to client satisfaction and resolving concerns, though at times, this may be delayed.

As the Client, I agree to not withhold payment due to walk-through requests, cleaning, touch-up, or warranty concerns. I understand and agree that I will be billed for towing as incurred and will be due on receipt. I agree that if I demand to retain payment until warranty work or touch up is completed, the retainer will be a fixed amount of 5% of invoice, up to $750.00. I agree that I may be billed as each line item is completed and each item may become their own respective invoice.

I understand that interest accrues on all past-due amounts at 24% per annum from invoice date, until paid in full; and may be billed collection fee's of up to 40%, and Client agrees to pay all fees accrued by collection efforts. These terms apply to all amount(s) incurred by me and for whom I have committed management responsibility, regardless of timing. Total Proposal price includes one mobilization. Additional mobilizations may be billed up to $3,500 per additional mobilization. This agreement provides Client written Notice of Right to Lien. Pricing does not include Bonding or prevailing wage/Davis Bacon Certification, unless stated otherwise.

INSURANCE: These insurance limits are listed by Holbrook Asphalt to inform Client of such. Any premiums above the following to be paid by Client. This disclosure overrules any other contract language wherein Holbrook Asphalt agrees to differing limits. Certificates available upon request.

GENERAL LIABILITY: $1m (inc.), $2m (agg.) AUTO: $1m UMBRELLA: $2m (inc.), $2m (agg.) PERSONAL INJ: $1m WORKERS COMP: $1m

Signature _____ Print Name _____ Date _____ Holbrook Asphalt Co. _____

Straight Stripe Painting, Inc.
1812 W Sunset Blvd #1-525
St George, UT 84770
O: 435-656-0930 F: 435-634-0580

A Certified DBE Company: UT, AZ, CA, ID, MT, NV, WY

Contractor: **Ivins City Streets**
Address: **55 N Main Street**
Ivins, Utah 84738
Phone: **435-634-0689**
Fax / Email: cgillette@Ivins.com

Estimate # 12642

Date Submitted: 3/20/2018

UT Contractors Lic #: 6185058-5501

Project Contact: **Chuck Gillette**
Project Name: Ivins City Seal Coating City Streets 2018
Project Location: Ivins
Project Address: Various Roads

Estimate By:
Dustyn Baird
Cell: 435-703-4336
Dustyn@straightstripe.com

Item #	Item Description	Quantity	U of M	Unit Price	Total
1	**Seal Coat- Premium Onyx** Clean asphalt surface using wire brooms, high pressure blowers, and remove debris. Mask monuments and manhole covers, seal asphalt using two coats of NU Rock Onyx ® Seal Coat.	251,332	SQ FT	$ 0.16	$ 40,213.12
2	**Traffic Control**	1	LS	$ 5,000.00	$ 5,000.00

Specifications:
Any mobilization estimated shall be charged for each time our company is called to perform labor and services on the project, and is NOT an estimate for mobilization for the entire project. Any item estimated at a "daily" rate will be charged per day at the unit price listed. Any item estimated as "unknown" will be charged at the unit price listed multiplied by the actual labor, services, and/or materials provided. All paint/markings, sign, seal coatings, crack sealants, and bumper blocks to be applied under this estimate will be billed at the unit price listed above multiplied by the actual services applied at the project at your request.

Exclusions:
This estimate does NOT include surveying and/or layout of pavement markings. (Does Not Include documenting type, location and offset of existing markings). This estimate does not include traffic control unless stated other wise in this estimate. Our company is not responsible for cleaning paving marking surface area prior to painting/messaging application unless stated other wise in this estimate.

Total	$ 45,213.12

This estimate is valid for a period of 30 days from the date of this estimate. Any invoice submitted by our company shall be due 30 days after the date of such invoice. Any invoice not paid within the 30 day period will accrue interest at a rate of 21% per annum until paid in full. Furthermore, in the event collection activities become necessary, our company shall be entitled to recover all of its costs incurred in the collection of the amounts due and owing under this estimate, including but not limited to attorneys' fees and court costs.

Customer Name: _____ **Signature:** _____
(print name)