

This is **EXHIBIT A**, consisting of 4 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated December 18, 2014.

Lyon County Engineer

Task Order Number: 19

Date: April 10, 2021

Title: 2021 Lyon County Roadway Resurfacing Project

Project Description: Farr West is requested to assist Lyon County (County) with the bidding process and construction management with the County Roadway Resurfacing Project in Dayton, Nevada. The resurfacing project consists of protective surface sealing such as slurry, chip, and cape sealing. This Scope of Work (SOW) consists of Farr West providing bidding and construction management support services to the County.

The Master Services Agreement is amended and supplemented to include the following agreement of the parties.

PART 1 – SERVICES

Task 1 – Project Management

Objective

To plan, organize, direct, control, and communicate all relevant activities set forth in this SOW within the approved budget and schedule.

Approach

The following applies:

Farr West will routinely review project progress and communicate project status on a regular basis. Communication will be through email and telephone, and with project coordination meetings with County and Farr West staff. This task will include the following activities:

- Project administration includes scheduling maintenance, cost control, filing, resource allocation, and routine communications.
- Team coordination, including conference calls and internal meetings.
- Monitoring changes to the scope, budget, or schedule and developing change management strategies with the County.

Deliverables

The following will be delivered under this task:

- Monthly invoices and status reports.

Assumptions

The following assumptions apply:

- Monthly reports will be provided with timely invoices.
- Project-related issues will be identified, communicated, and resolved.

Task 2 – Bid Documents

Objective

Prepare bid documents; provide needed details to raise surface lids (as needed); provided GIS mapping exhibits as part of bid package; and prepare preliminary opinion of probable construction costs.

Approach

The following approach applies:

- Prepare bid documents of roadway rehabilitation with crack seal, slurry seal, chip seal, fog seal, and cape seal – including project documents and bid schedule.

Description	Miles	Square Yards
Slurry Milage	51.66	1,098,088.67
Chip Seal/Fog Milage	30.54	425,557.33
Double Chip/Fog	2.12	59,924.00
Cape Seal	2.30	69,274.22
Crack Sealing		1,158,012.67
Total	86.62	2,810,856.89

- Prepare technical specifications and construction details for roadway resurfacing.
- Prepare GIS mapping of each roadway section including area and striping (where applicable) – see attached Exhibits for specific roads to be included in the project scope.
- Update GIS software with 2019, 2020, and 2021 roads and type of resurfacing applied to the road.
- Submit bid package to County staff for comments.
- Meet with County to review comments and finalize the bid documents

Deliverables

The following will be delivered under this task:

- Submittal of the 90% set for County review and comment includes individual PDF files of the Plans (11”x17”), Specifications, and Opinion of Probable Construction Cost.
- Submittal of the 100% set used for bidding will include individual PDF files of the Plans (11”x17”), Specifications, and Opinion of Probable Construction Cost.

Assumptions

The following assumptions apply:

- County review and comment within 2 days after receiving draft bid package.
- An Opinion of Probable Construction Cost will be provided for bid package.

Task 4 – Bidding Assistance

Objective

Assist the County in the bid solicitation, opening, review, and award process of the construction contract.

Approach

Activities under this task will include the following elements:

- Advertise and bid the Project electronically through the Planet Bids platform and maintain a plan holder’s list.
- Attend one (1) pre-bid meeting at the County’s office, prepare agenda, attend meeting, and compile meeting minutes for distribution.
- Answer questions from bidders and prepare addendum.
- Attend one (1) bid opening at County’s office.

- Collect and review bids and perform due-diligence checks.
- Prepare letter of recommendation for award of the contract to the County.
- Prepare and issue Notice of Award.

Deliverables

The following deliverables will be submitted under this task:

- Pre-bid meeting minutes.
- Bid results summary.
- Letter of recommendation to the County Board for award. Recommendation to the Board will be made for award of the contract to the lowest responsible and responsive bidder.
- Notice of Award.
- One (1) original copy of the Specifications for use during construction.

Assumptions

The following assumptions apply:

- Farr West will conduct the pre-bid and bid-opening at the County office.
- Two (2) RFIs and preparation of one (1) addendum are assumed.

Task 4 –Construction Administration Support

Objective

Monitor the Project and keep the County informed of the Project status at all times. This phase also includes assisting the County with the close out of the construction process, construction contract, and limited construction observation.

Approach

The following activities will be performed as part of this task:

- Conduct one (1) pre-construction meeting, prepare agenda and meeting minutes for the pre-construction meeting. Farr West attendance will include our Project Manager and Construction Observer.
- Process one (1) change order(s), payment applications, evaluating claims, reviewing submittals, respond to RFIs, and address unanticipated conditions.
- Weekly in-office construction management activities are limited to eight (1) total hours per week throughout the project duration.
 - These activities include processing of documents (described earlier), coordination of parties, daily observation report QC, etc.
 - Review construction inspection and material testing results, which will be provided by Lumos and Associates.
 - Maintain all Project documentation for the duration of the Project including tracking, disbursing, and reviewing. Maintain logs for all documentation including submittals, RFCs/RFIs, field orders, work change directives, change orders.
- Certified Payroll Review:
 - Review certified payroll reports supplied by prime contractor. Reports to include prime and sub-contractors working on Project.
 - Verify contractor staffs' position, time, and wages paid are accurate and comply with the prevailing wages for the Project.
- Schedule and manage weekly on-site construction meetings. Prepare all agendas and meeting minutes for weekly construction meetings.
- Coordinate a substantial completion inspection and formulate a final punch-list of work items to be completed prior to final inspection.

- Conduct a final inspection meeting to verify that all outstanding work items are complete (construction observer to perform on-site final walkthrough with Contractor and County Staff).
- Recommend Project final acceptance to the County.
- Construction Observation
 - Answer questions, ensure work is being completed per the plans and specifications, and coordinate with all parties and the public.
 - Monitor traffic control and public access.
 - Attend all weekly progress meetings.
 - Generate punchlist of items to correct at substantial completion.

Deliverables

The following will be delivered under this task:

- Certified payroll reports supplied by contractor.
- Electronic copies of responses to material submittals, cutsheets, and construction plan review.
- Electronic copies of responses to work plans, RFIs, and requests for change orders.
- Draft and final notice of substantial completion.

Assumptions

The following assumptions apply:

- Pre-construction meeting to be held at County’s office in Dayton.
- Construction anticipated to take ten (10) weeks.
- Ten (10) weekly construction meetings are assumed. Farr West will be available for additional on-site visits if requested by County, billed on a time and materials basis outside of the SOW.
- Office engineering efforts are detailed under the Approach section of this task.
- Certified payroll reviews are assumed at one (1) hours per week.
- Certified Payroll reports are anticipated to be complete and correct. Contractor is to be familiar with certified payrolls and compliance.
- One (1) minor revision per report is assumed within this SOW. Additional revisions will be billed on a time and materials basis.
- If certified payroll reports are not complete, Farr West will reject submission and require re-submittal by the contractor.
- Farr West’s review will consist of verification of personnel, their time, and hourly wages meet requirements of the Project.
- All final certification and reporting to the Nevada Department of Labor must come from the County as they are the public body, funding Project, and have ultimate responsibility.
- Material testing will be provided by County via certified third-party testing company (Lumos and Associates).
- Farr West construction observation will be one (1) day per working week, 1 hour of on-site observation, 2 hours for reporting and travel.
- Lyon County will provide construction observation personnel for day-to-day construction observation.
- If construction efforts vary from this schedule, Farr West will be present for days that work is being performed until complete and compensated on a time and materials basis outside of the scope.

- On-site observation will only occur when the contractor is performing work.
- Limited on-site construction observation will be coordinated with the Contractor based on their construction schedule, weekly construction meetings, and communications during the period of construction.
- Farr West is not responsible for the Contractor's construction means and methods; project site safety; Contractor's failure to perform; and is not authorized to stop the work of the Contractor.
- Construction will be in substantial compliance with the plans and specifications prepared by Farr West.
- Logs, meeting minutes, etc. will be provided to the construction site on an as-needed basis. All documentation will be available via a SharePoint site for all parties to retrieve through the duration of the project.

Task 5 - County Directed Services

For tasks to cover the cost of Project work items that are currently unforeseen by the County, a task budget of \$5,000 is incorporated into this Contract. Labor efforts will not be charged to this task unless written authorization is obtained from the County.

PART 2 – COMPENSATION

The County shall pay Farr West on a time and materials basis of Forty-Nine Thousand and Four Hundred Dollars. A breakdown of the individual task budgets is as follows:

Task 1	Project Management	\$2,000
Task 2	Bid Documents	\$32,000
Task 3	Bid Support	\$1,800
Task 4	Construction Administration Support	\$8,600
Task 5	County Directed Services	\$5,000
TOTAL:		\$49,400

PART 3 – SCHEDULE

The following is a proposed schedule to be used as a general guideline only.

Notice to Proceed: May 2021
 Bid Package ready to bid: June 2021
 Bidding Process: July 2021
 Contracting: August to October 2021
 Construction Management: August to October 2021
 Closeout: November 2021

IN WITNESS WHEREOF, the parties hereto have executed this Task Order.

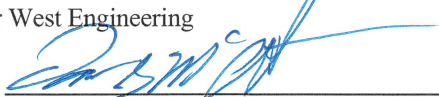
Owner:	Engineer: Farr West Engineering
By: _____	By:  _____
Print Name: _____	Print Name: <u>Damon McAlister, P.E.</u>
Title: _____	Title: <u>Principal Engineer</u>
Date Signed: _____	Date Signed: <u>April 16, 2021</u>

Exhibit 1 - Table 1
Dayton Roads

Dayton Slurry Seal 2021

ROAD NAME	FROM	TO	MILEAGE	LENGTH FT.	WIDTH FT.	SQ. YARD
Airpark Vista Blvd. East	Lakes Blvd.	2,670' south	0.52	2734	56	17011.56
Airpark Vista Blvd. West	Lakes Blvd.	1,695' south	0.19	981	56	6104.00
Alpine Dr.	Valley View Dr.	North Pointe Cr.	0.13	685	36	2740.00
Amber Way	Pinecone Rd.	Stonefield Ln.	0.02	108	38	456.00
Andrea Way	Townsend St.	580' south	0.07	379	20	842.22
Armstrong Ct.	Lakeview Dr.	453' Southeast	0.09	476	34	1798.22
Aspen Dr.	Valley View Dr.	North Pointe Cr.	0.11	560	36	2240.00
Boulder Cr.	Pebble Dr.	Pebble Dr.	0.24	1285	36	5140.00
Breakwater Dr.	Stillwater Dr.	Dayton Valley Rd	0.02	115	36	460.00
Brookfield Ct.	Quailridge Rd.	341' Southeast	0.08	405	38	1710.00
Carson River Rd.	Holley Ln.	Quilici Rd.	0.31	1632	32	5802.67
Chalice Ave.	Marquis Terrace	.08 miles north	0.09	485	32	1724.44
Channel Dr.	Driftwood Way.	Pebble Dr.	0.28	1496	48	7978.67
Coral Way	Channel Dr.	End	0.07	345	36	1380.00
Corral Dr.	Fortune Dr.	Westwinds Dr.	0.33	1734	40	7706.67
Courtland Pl.	Woodlake Cr.	177' North	0.04	191	36	764.00
Crosswinds Dr.	Corral Dr.	Westwinds Dr.	0.19	1027	34	3879.78
Crown Point Dr.	Dayton Village Pkwy.	100' W. of Red Wing	0.11	607	32	2158.22
Crystal Ct.	Riverside Dr.	.03 miles east	0.04	229	32	814.22
Dayton Village Pkwy.	Fortune Dr.	Knickerbocker Cir.	0.91	4788	40	21280.00
Decanter Ct.	Riverside Dr	.03 miles east	0.04	193	32	686.22
Deerfield Ct.	Holley Ln.	263' west	0.05	243	32	864.00
Deerfield Rd.	Holley Ln.	Carson River Rd.	0.28	1459	32	5187.56
Desert Rose Ln.	Glen Vista Dr.	Kramer Way	0.04	226	34	853.78
Discovery Dr.	Golden Pick Dr.	139' West	0.03	143	34	540.22
Doolittle Ct.	Lakeview Dr.	460' south	0.09	474	36	1896.00
Driftwood Way	Dayton Valley Rd.	River Village Cr.	0.14	730	38	3082.22
Duffy Ct.	Kramer Way	103' west	0.03	134	83	1235.78
Eaglebrook Ln.	Holley Ln.	Deerfield Rd.	0.21	1098	32	3904.00
Eddy Ct.	River Village Cr.	153 Northwest	0.03	149	38	629.11
Evans Ave.	Lakes Blvd.	700' South	0.12	623	48	3322.67
Fireman Row	Hart ST.	Louie Way	0.09	492	20	1093.33
Fortune Dr.	Hwy 50E	Westwinds Dr.	0.49	2596	40	11537.78
Glen Vista Dr.	Kate Peak Rd	Halite Rd	0.06	340	32	1208.89
Glen Vista Dr.	Stonefield Ln.	Halite Rd	0.23	1207	38	5096.22
Golden Pick Ct.	Sugarloaf Dr.	314' North	0.08	434	34	1639.56
Golden Pick Dr.	Dayton Village Pkwy.	Sugarloaf Dr.	0.26	1373	34	5186.89
Goss Ln	Kate Peak	Halite Dr	0.06	331	32	1176.89
Granite Ct	End	End	0.21	1088	32	3868.44
Granite Ln	Dayton Valley Rd	Granite Ct	0.02	115	32	408.89
Granite Way	Granite Ct	Dayton Valley Rd	0.02	100	32	355.56
Gulch Ct.	Kramer Way	111' west	0.02	104	58	670.22
Gulch Way	Glen Vista Dr.	Kramer Way	0.04	225	34	850.00
Halite Rd.	145' W. of Rose Peak	143' E. of Jasper	0.12	647	36	2588.00
Harkin Cir.	Knickerbocker Cir.	Knickerbocker Cir.	0.12	614	34	2319.56
Hillcrest Cr.	Dayton Valley Rd.	Dayton Valley Rd.	0.28	1492	36	5968.00
Hillcrest Ct.	Hillcrest Cr.	End	0.05	274	36	1096.00
Holley Ln.	Quilici Rd.	Cul-de-sac	0.29	1536	39	6656.00
Jasper Ln.	Pine Cone Rd.	Sheep Camp Rd.	0.65	3430	34	12957.78
Kate Peak Ct.	Kramer Way	103' west	0.02	117	83	1079.00
Kate Peak Rd.	Karmer Way	Retail Rd.	0.18	965	36	3860.00
Knickerbocker Cir.	Dayton Village Pkwy.	Sugarloaf Dr.	0.23	1199	34	4529.56
Kramer Ct.	Kramer Way	103' west	0.02	90	36	360.00
Kramer Way	Stonefield Lane	Kramer Ct.	0.28	1466	32	5212.44
Lakes Blvd.	Dayton Valley Rd.	End	1.57	8311	60	55406.67
Lakeview Dr.	Lakes Blvd.	1370' North NE	0.27	1410	40	6266.67
Lakeview Dr.	Golf Course	700' to End	0.13	700	38	2955.56
Lammari Ln.	Dayton Valley Rd.	.09 miles north	0.10	551	38	2326.44
Lindbergh Ct.	Lakeview Dr.	297' south	0.07	392	36	1568.00
Louie Way	Fireman Row	Hall St.	0.08	429	22	1048.67
Marquis Terrace	Quilici Rd.	Chalice Ave.	0.08	427	32	1518.22
Marquis Terrace	Quilici Rd.	Riverside Dr	0.05	245	32	871.11

Exhibit 1 - Table 1
Dayton Roads

Square Yards			11.07	58434.00		265872.56
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Dayton Slurry Seal 2021

ROAD NAME	FROM	TO	MILEAGE	LENGTH FT.	WIDTH FT.	SQ. YARD
Meadowood Ct.	Palmer Ct.	244' North	0.06	299	36	1196.00
Medical Center Dr	Fortune Dr.	End	0.17	882	40	3920.00
Misty Ct	Kate Peak Rd	161' South	0.03	161	100	1788.89
Misty Way	Kate Peak Rd	Halite Rd	0.07	377	32	1340.44
Monte Cristo Dr.	Westwinds Dr.	Sheep Camp Dr.	0.57	3030	34	11446.67
Nightingale Dr.	Dayton Village Pkwy.	Sweetwater Cr.	0.04	202	34	763.11
North Point Ct.	North Pointe Cr. E	127' East	0.03	137	36	548.00
North Pointe Cr.	Dayton Valley Rd.	Dayton Valley Rd.	0.46	2437	36	9748.00
Northgate Dr.	Dayton Village Pkwy.	Valley Cr.	0.09	493	40	2191.11
Pacific Ct.	Rock Island Dr.	229' North	0.05	271	34	1023.78
Palmer Ct.	Lakes Blvd.	250' East	0.05	250	100	2777.78
Palmer Ct.	Lakes Blvd.	652' West	0.13	663	46	3388.67
Pebble Ct.	Pebble Dr.	End	0.02	110	76	928.89
Pebble Dr	140 Pebble Dr	Dayton Valley Rd	0.24	1261	34	4763.78
Pebble Dr.	Channel Dr.	140 Pebble Dr	0.28	1477	48	7877.33
Pepling Ct	Kramer Way	53.52' west	0.02	85	80	755.56
Pine Cone Rd.	Hwy 50E	Rose Peak Rd.	0.31	1643	40	7302.22
Pinehurst Ct.	Woodlake Cr.	220' East	0.04	225	36	900.00
Port Pl.	Channel Dr.	153' North	0.04	186	38	785.33
Quail Ridge Rd.	Dayton Valley Rd.	Woodlake Cr.	0.22	1150	46	5877.78
Quilici Rd.	Dayton Valley Rd.	1101' Northeast	0.21	1101	40	4893.33
Quilicy Rd	Holly Ln-1101' NE	End	0.46	2436	28	7578.67
Rawe Peak Dr.	Fortune Dr.	Westwinds Dr.	0.28	1456	34	5500.44
Red Jacket Dr.	Santiago Way	Westwinds Dr.	0.19	1003	34	3789.11
Red Wing Dr.	Dayton Village Pkwy.	Crown Point Dr.	0.23	1206	34	4556.00
Retail Road	Hwy 50E	Halite Rd	0.22	1176	39	5096.00
River Knolls Ct.	Pebble Dr.	.07 miles east	0.07	387	32	1376.00
River Trails Ct.	River View Dr.	.02 miles east	0.03	148	32	526.22
River Village Cr.	Driftwood Way	Driftwood Way	0.69	3668	38	15487.11
Riverside Dr.	Marquis Terrace	Crystal Ct.	0.09	483	32	1717.33
Rock Island Dr.	Santiago Way	Santiago Way	0.27	1403	34	5300.22
Rock Island Dr.	Santiago Way	162' Northeast	0.03	162	34	612.00
Rose Peak Rd.	Flowery Ave.	Sheep Camp Rd.	1.16	6100	32	21688.89
Sand Ct.	Stillwater Dr.	End	0.03	139	38	586.89
Sandy Way	River Village Cr.	River Village Cr.	0.08	400	38	1688.89
Santiago Way	Monte Cristo Dr.	Rock Island Dr.	0.22	1153	34	4355.78
Sheep Camp Dr.	Fortune Dr.	Dayton Village Pkwy	0.27	1404	38	5928.00
Sheep Camp Dr.	Dayton Village Pkwy.	619' West	0.11	591	38	2495.33
Sheep Camp Dr.	Grosh Ave	100' E. of Jasper Ln	0.21	1128	36	4512.00
South End Dr.	Dayton Village Pkwy.	Sheep Camp Dr.	0.13	694	34	2621.78
Stillwater Dr.	Channel Dr.	Sunset Way	0.30	1561	36	6244.00
Stonefield Ln.	Glen Vista Dr.	Kramer Way	0.04	200	36	800.00
Stope Rd.	Flowery Ave.	1000' south	0.08	420	32	1493.33
Sugarloaf Dr.	Monte Cristo Dr.	Fortune Dr.	0.16	867	34	3275.33
Sugarloaf Dr.	Fortune Dr.	Dayton Village Pkwy	0.32	1687	40	7497.78
Sugarloaf Dr.	Dayton Village Pkwy	186' W. of Golden Pick	0.09	474	38	2001.33
Sunset Way	Dayton Valley Rd.	Stillwater Dr.	0.04	198	67	1474.00
Sunset Way	Stillwater Dr.	Pebble Dr.	0.11	589	46	3010.44
Sweetwater Cr.	Dayton Village Pkwy.	204' E. of Nightingale	0.17	882	34	3332.00
Thornwood Ct.	Quail Ridge Rd.	189' West	0.04	230	36	920.00
Tiffany Ln.	Quilici Rd.	Chalice Ave.	0.05	269	32	956.44
Townsend St.	Hwy 50E	Louie Way	0.09	473	20	1051.11
Vail Dr.	Valley View Dr.	North Pointe Cr.	0.08	415	32	1475.56
Valley Cr.	Dayton Village Pkwy.	Northgate Dr.	0.22	1158	34	4374.67
Valley View Ct.	North Pointe Cr.	End	0.03	150	36	600.00
Valley View Dr.	North Pointe Cr. W	North Pointe Cr. E	0.20	1043	36	4172.00
Water Way	Riverside Dr.	Quilici Rd.	0.13	672	32	2389.33
Westwinds Dr.	Corral Dr.	Sugarloaf Dr.	0.50	2638	34	9965.78
Willow Way	Stillwater Dr.	Boulder Dr.	0.04	213	46	1088.67
Windchase Ct.	Windchase Dr.	147' Northwest	0.04	210	34	793.33
Windchase Dr.	Crosswinds Dr.	Westwinds Dr.	0.13	690	34	2606.67

Exhibit 1 - Table 1
Dayton Roads

Description	Miles	Square Yards
Slurry Milage	51.66	1,098,088.67
Chip Seal/Fog Milage	30.54	425,557.33
Double Chip/Fog	2.12	59,924.00
Cape Seal	2.30	69,274.22
Crack Sealing		1,158,012.67
Total	86.62	2,810,856.89

Exhibit 1 - Table 2
Mark Twain Roads

Marktwain Slurry Seal 2021

ROAD NAME	FROM	TO	MILEAGE	LENGTH FT.	WIDTH FT.	SQ. YARD
Aja Place	Six Mile Canyon Rd.	Cassandra Way	0.41	2165	34	8178.89
Allso Dr.	Bryce St.	End	0.08	422	40	1875.56
Almond Creek Rd.	Riverpark Pkwy.	Cheatgrass Dr.	0.13	671	34	2534.89
Ambrose Ln.	Hwy 50E	Brookhaven Dr.	0.05	264	34	997.33
American Ct	Bryce St.	End	0.06	324	32	1152.00
Arbor Ct.	Brookhaven Dr.	End	0.03	171	34	646.00
Autumn Ct.	Hidden Oak Dr.	East End	0.04	211	34	797.11
Bethpage Rd	Riverpark Pkwy.	End	0.25	1322	34	4994.22
Bitterroot Rd.	Crabapple Ln.	Riverpark Pkwy.	0.18	972	32	3456.00
Blossom Ct.	Creekside Dr.	End	0.05	258	32	917.33
Blue Heron Ct.	Brookhaven Dr.	End	0.03	158	34	596.89
Bob Cat Dr.	Occidental Dr.	Valley Vista Dr.	0.07	377	34	1424.22
Bob Cat Dr.	Occidental Dr.	East End	0.12	610	34	2304.44
Brandy Ct.	V & T Way	End	0.09	475	36	1900.00
Bronc Ct	Fretto Pkwy	End	0.08	433	34	1635.78
Brookhaven Dr.	Ambrose Ln.	Cardelli Rd.	0.47	2481	40	11026.67
Bryce St.	Hwy 50E	Snake River Way	0.23	1230	65	8883.33
Bryce St.	Snake River Way	Moab Ln.	0.19	1003	42	4680.67
Buckeye Dr.	Yellow Jacket Rd.	Occidental Dr.	0.07	370	34	1397.78
Buckskin Rd.	Clydesdale Rd.	Teakwood Rd.	0.07	370	34	1397.78
Cactus Ct.	Saguaro St.	End	0.04	211	34	797.11
Cambridge Dr.	Six Mile Canyon Rd.	Nantucket Dr.	0.10	531	36	2124.00
Cardelli Rd.	Hwy 50E	River Rd.	0.59	3130	34	11824.44
Cassandra Way	Gordon Ln.	Lonnie Ln.	0.24	1279	34	4831.78
Cedar Crest Ct.	Creekside Dr.	End	0.06	303	37	1245.67
Chase Dr	Enterprise Rd	End	0.10	540	40	2400.00
Cheatgrass Dr.	Occidental Dr.	Daffodil Dr.	0.24	1273	34	4809.11
Cheatgrass Dr.	Daffodil Dr.	End	0.26	1359	32	4832.00
Chicory Ct	Riverpark Pkwy.	End	0.02	93	64	661.33
Clydesdale rd.	Klien St.	Welle St.	0.19	1003	32	3566.22
Columbia Dr	Ft Churchill Rd	End	0.12	618	34	2334.67
Cottage Ct.	Creekside Dr.	End	0.03	157	32	558.22
Crabapple Ln.	Occidental Dr.	End	0.45	2357	32	8380.44
Creekside Dr.	Brookhaven Dr.	Oakridge Dr.	0.44	2323	34	8775.78
Daffodil Dr.	Rye Grass	Riverpark Pkwy.	0.20	1054	32	3747.56
Daisy Ct.	Hidden Oak Dr.	End	0.04	211	34	797.11
Dandelion Ct.	Riverpark Pkwy.	End	0.04	211	32	750.22
Deschutes Dr	Rouge Rd	Snake Rd	0.02	106	34	400.44
Dewey Ave	Kadden Way	End	0.04	211	34	797.11
Dogwood Ct.	Creekside Dr.	End	0.06	317	34	1197.56
Dwight Way	Six Mile Canyon Rd.	End	0.12	637	40	2831.11
Elk Horn Dr.	Occidental Dr.	End	0.17	898	34	3392.44
Empire Rd.	Occidental Dr. W	Keystone Dr.	0.34	1781	34	6728.22
Enterprise way	Hwy 50E	End	0.45	2377	46	12149.11
Fern Way	Wildhorse Rd.	Snake River Way	0.13	686	32	2439.11
Fretto Pkwy	Stratton Dr	Rolling A Entrance	0.61	3222	34	12172.00
Ft Churchill Rd	Hwy 50E	Columbia Dr	0.25	1329	80	11813.33
Ft. Churchill Rd.	Columbia Dr	Riverpark Pkwy.	0.54	2833	36	11332.00
Gordon Ln.	Aja Place	River Boat Rd.	0.13	686	34	2591.56
Gordon Ln.	River Boat Rd.	Lonnie Ln.	0.49	2564	34	9686.22
Grassland Rd.	Occidental Dr.	Riverpark Pkwy.	0.21	1118	34	4223.56
Greywall Ct	Snow Ln.	End	0.07	367	32	1304.89
Haywood Ct.	Cheatgrass Dr.	End	0.07	370	34	1397.78
Hickory Ct.	Occidental Dr.	End	0.10	518	32	1841.78
Hidden Oak Dr.	Elk Horn Dr.	Occidental Dr.	0.26	1363	34	5149.11
Hidden Oak Dr.	Occidental Dr.	Cardelli Rd.	0.21	1108	34	4185.78
Hood Dr	Solomon Rd	Snake Rd	0.14	757	34	2859.78
June Grass Ct.	Riverpark Pkwy.	End	0.04	211	34	797.11
June Grass Dr.	Riverpark Pkwy.	Grassland Rd.	0.07	370	34	1397.78
Kadden Way	Lonnie Ln.	End	0.44	2333	40	10368.89
Kelsey Ct	Columbia Dr	End	0.03	135	40	600.00

Exhibit 1 - Table 2
Mark Twain Roads

Square Yards			10.81	57102		234289.22
Marktwain Slurry Seal 2021						
ROAD NAME	FROM	TO	MILEAGE	LENGTH FT.	WIDTH FT.	SQ. YARD
Keystone Dr.	Occidental Dr.	River Boat Rd.	0.25	1312	34	4956.44
Klien St.	Laca St.	End	0.21	1124	32	3996.44
Laca St.	Klien St.	Welle St.	0.19	1003	34	3789.11
Lippiazan Rd.	Clydesdale Rd.	End	0.10	528	32	1877.33
Lonnie Ln.	Dwight Way	Canyon Estates Rd	0.74	3907	34	14759.78
Mahogany Dr.	Occidental Dr.	Valley Vista Dr.	0.08	403	34	1522.44
Majestic Oak Dr.	Brookhaven Dr.	Creekside Dr.	0.11	581	34	2194.89
Manyon Ct.	Fern Way	End	0.03	158	34	596.89
Mariposa Rd.	Saquaro St.	Welle St.	0.12	634	34	2395.11
Moab Ct	Bryce St.	End	0.03	156	100	1733.33
Moab Ln.	Bryce St.	End	0.12	634	32	2254.22
Mocking Bird Ct.	Brookhaven Dr.	End	0.03	158	34	596.89
Monico Dr.	Aja Place	V & T Way	0.52	2725	34	10294.44
Nantucket dr.	Six Mile Canyon Rd.	Cambridge Dr.	0.18	950	32	3377.78
Nicole St.	Lonnie Ln.	V & T Way	0.22	1162	34	4389.78
Nicole St.	V & T Way	End	0.05	264	34	997.33
Oakmont Dr	Stratton Dr	Riverpark Pkwy.	0.31	1616	32	5745.78
Oakridge Dr.	Brookhaven Dr.	Creekside Dr.	0.14	739	34	2791.78
Occidental Dr.	Hwy 50E	Hwy 50W	0.91	4809	34	18167.33
Occidental Dr.	Hwy 50E	Bob Cat Dr.	0.17	898	67	6685.11
Occidental Dr.	Bob Cat Dr.	Riverpark Pkwy.	0.56	2961	40	13160.00
Ophir Ct.	Occidental Dr.	End	0.06	317	34	1197.56
Orderville St	Snow Ln.	End	0.19	1023	40	4546.67
Overland Loop	Occidental Dr.	Occidental Dr.	0.21	1089	34	4114.00
Patty Way	Kadden Way	End	0.04	211	40	937.78
Ponderosa Ct.	Hidden Oak Dr.	End	0.05	264	34	997.33
Potomac St	Williamett Way	Deschutes Dr	0.05	268	34	1012.44
Redwall Ct	Snow Ln.	End	0.06	320	32	1137.78
Reggie St.	Klien St.	Welle St.	0.19	1003	34	3789.11
Ring Rd.	Six Mile Canyon Rd.	Six Mile Canyon R	0.40	2112	34	7978.67
Ring Rd.	Six Mile Canyon Rd.	River Boat Rd.	0.53	2798	34	10570.22
Ring Rd.	River Boat Rd.	River Boat Rd.	0.56	2957	34	11170.89
River Boat Rd.	Hwy 50E	Ring Rd.	0.43	2268	34	8568.00
River Boat Rd.	Ring Rd.	Six Mile Canyon R	0.34	1800	26	5200.00
River Boat Rd.	Six Mile Canyon Rd.	Gordon Ln.	0.03	158	32	561.78
Riverpark Pkwy.	Occidental Dr.	Ft. Churchill Rd.	1.19	6270	34	23686.67
Riverpark Pkwy.	Occidental Dr.	Crabapple Ln.	0.34	1817	34	6864.22
Rouge Rd	Williamett Way	Deschutes Dr	0.05	256	34	967.11
Roughing It Rd.	Six Mile Canyon Rd.	End	0.67	3538	24	9434.67
Ryegrass Rd.	Daffodil Dr.	Cheatgrass Dr.	0.21	1084	34	4095.11
Saguaro St.	Ryegrass Rd.	Teakwood Rd.	0.17	900	34	3400.00
Saltbrush Rd	Ryegrass Rd	End	0.05	256	34	967.11
San Joaquin Dr.	Snake Rd.	Shasta Dr	0.16	828	32	2944.00
Sandfer Ln.	Creekside Dr.	End	0.03	158	34	596.89
Sequoia St	Riverpark Pkwy.	Riverpark Pkwy.	0.24	1267	34	4786.44
Shady Grove Ln.	Brookhaven Dr.	Brookhaven Dr.	0.39	2059	34	7778.44
Shasta Dr	San Joaquin Dr.	Oakmount Dr.	0.05	240	32	853.33
Six Mile Canyon Rd.	737' NW/HWY50	Storey County Line	1.83	9670.00	26	27935.56
Six Mile Canyon Rd.	HWY 50	737' NW	0.14	737	72	5896.00
Snake Rd	San Joaquin Dr.	Deschutes Dr.	0.18	938	32	3335.11
Snake River Ct.	Bryce St.	End	0.06	317	34	1197.56
Snake River Way	Wildhorse Rd.	Bryce St.	0.28	1452	32	5162.67
Snake River Way	Wildhorse Rd.	End	0.03	157	100	1744.44
Snow Ct.	Bryce St.	End	0.06	317	34	1197.56
Snow Ln.	Bryce St.	End	0.61	3237	40	14386.67
Solomon Rd	Deschutes Dr	Hood Dr	0.05	270	34	1020.00
Spring Creek Dr	Fretto Pkwy	End	0.20	1071	34	4046.00
Stratton Dr	Ft Churchill Rd	Grassland Rd.	0.48	2541	40	11293.33
Sunrise Dr.	Occidental Dr.	Valley Vista Dr.	0.07	370	36	1480.00
Teakwood	Stration Dr	End	0.02	121	32	430.22

**Exhibit 1 - Table 3
Additional Roads**

Double Chip

ROAD NAME	FROM	TO	MILEAGE	LENGTH FT.	WIDTH FT.	SQ. YARD
Flowery Ave.	Hwy 50E	Grosh Ave.	0.16	851	34	3214.89
Flowery Ave.	Grosh Ave.	2004' west/north	0.36	1895	20	4211.11
Grosh Ave.	Flowery Ave.	End	1.31	6934	24	18490.67
Ophir Rd	Eureka Ln	Austin Ln	0.18	957	24	2552.00
V and T Way	Branstetter Ave.	560' West	0.11	560	24	1493.33
Square Yards			2.12	11197.00		59924.00

Cape Seal

ROAD NAME	FROM	TO	MILEAGE	LENGTH FT.	WIDTH FT.	SQ. YARD
Fortune Dr.	Dayton Village Pk	Sheep Camp	0.11	560	40	2488.89
Breakwater Dr.	Dayton Valley Rd.	Dayton High School	0.08	445	36	1780.00
Hall St.	Hwy 50E	Louie Way	0.10	534	20	1186.67
Hart St.	Hwy 50E	Louie Way	0.11	560	22	1368.89
Nugget Ln.	Dayton Valley Rd.	Como Ln.	0.50	2658	24	7088.00
Old Como Rd.	Dayton Valley Rd.	East and South	0.69	3641	24	9709.33
Old Dayton Valley Rd.	Old Como Rd.	Breakwater Dr.	0.50	2662	24	7098.67
Pine Cone Rd.	Hwy 50E	300' West	0.06	300	40	1333.33
Sheep Camp Rd	Southend Dr	Jasper Ln	0.15	775	30	2583.33
Square Yards			2.30	12135.00		69274.22

