#### MEMO:

To: Board of Directors and Staff

From: Jane E. Dykstra

Subject: Equipment Replacement Schedule

Facilities Maintenance Plan Forest Management Plan Pavement Maintenance Plan

Date: September 6, 2013

This tab contains the detail of the plans utilized to complete the Five-Year Financial Forecast.

- The Equipment Replacement Schedule has been updated since the Board reviewed it last year. Staff reviewed the estimated replacement dates listed, and the dates shown reflect the best estimate of when replacement will be required. Note that assets that are budgeted for replacement in FY2014 are highlighted in yellow. All replacement is condition dependent and each item will be subject to a thorough review before being included in the capital portion of the budget in a specific year.
- The **Facilities Maintenance Plan** is from the draft Bill Quesnel made available to me on Friday, August 30th. Any changes he made after that date are not included here or in the Five Year Forecast. The Board will receive an updated draft of the entire plan once he has completed it.
- The **Forest Management Plan** data has been revised from the version in the July Board Book. This version totals to show total expenditures by year and a revised average cost per year.
- The **Pavement Maintenance Plan** will be updated this fall. Many of the projects have been completed ahead of schedule. Kevin Smith reviewed the projects in the years beyond 2013, and has made a "best guess" as to pavement maintenance costs going forward. I have attached not only the original plan of projects by year, but a summary that shows what Kevin believes pavement maintenance expenses will be in the future.

Vehicle           Chevy FB #2         2500           GMC         Savana           GMC OPS TRUCK         Sierra           Chevy FB #3         K3500           Ford         F15           Ford F350 FB#1         F35           Equipment           Cat Loader         950           - Transmission Rebuild         - Couplers & Paint           - Material Handling Arm         Ford F-700           Jet Refit         L-5FGI           Oshkosh Plow Truck         "P" Se           Toyota Forklift         L-5FGI           Oshkosh Blower         "H" Se           Ford F-350         100LL Re           Sweepster Lighted X's         LX Di           Cat Loader         950           Cat Grader         143I           Cat Backhoe         IT 41I           - Thumb for Backhoe         IT 41I           - Thumb for Backhoe         Graco Paint Striper           JLG Hi-Lift         450 A           Lektro Tug         AP 8800           Kawasaki (2)         Muli           International         Jet Refit           Fuel Cart         Crafco Crack Sealer         Supershot	Van 2002 P-U 2007 FB 2009 0 2010 0 2013 B 1985 Heler 1986 ries 1990 025 1990 ries 1993 Ifueler	Acquired  4/30/2003 3/1/2002 12/28/2006 3/18/2009 10/18/2010 7/1/2013  8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$25,036 \$21,465 \$29,782 \$31,747 \$34,906 \$36,730 \$138,612 \$13,971 \$8,800 \$6,879 \$59,156	as of 5/	31/2013 46,694 30,694 64,123 19,438 20,918 582	Y Y Y Y Y Slight	Y Y Y Y Y Y Y Y	7 yrs. 10 yrs. 7 yrs. 7 yrs. 7 yrs. 7 yrs. 7 yrs. 7 yrs.	Value (@7/31/13) \$0 \$0 \$1,418 \$12,472 \$20,778 \$36,292	2015 Condition Dependent 2014 2016 2017 2020	G	Replacement Cost \$50,000 \$40,000 \$35,000 \$50,000 \$45,000 \$50,000	
Chevy FB #2         2500           GMC         Savana           GMC OPS TRUCK         Sierra           Chevy FB #3         K3500           Ford         F15           Ford F350 FB#1         F35           Equipment           Cat Loader         950           - Transmission Rebuild         - Couplers & Paint           - Material Handling Arm         Ford F-700           Ford F-700         Jet Refi           Oshkosh Plow Truck         "P" Se           Toyota Forklift         L-5FGf           Oshkosh Blower         "H" Se           Ford F-350         100LL Re           Sweepster Lighted X's         LX Di           Cat Loader         950           Cat Grader         143i           Cat Backhoe         IT 410           - Thumb for Backhoe         Graco Paint Striper         LineLaz           JLG Hi-Lift         450 A           Lektro Tug         AP 8800           Kawasaki         (2)         Muli           International         Jet Refit           Fuel Cart         Fuel Cart	Van 2002 P-U 2007 FB 2009 0 2010 0 2013 B 1985 Heler 1986 ries 1990 025 1990 ries 1993 Ifueler	3/1/2002 12/28/2006 3/18/2009 10/18/2010 7/1/2013 8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$21,465 \$29,782 \$31,747 \$34,906 \$36,730 \$138,612 \$13,971 \$8,800 \$6,879	8,483	30,694 64,123 19,438 20,918 582	Y Y Y Y	Y Y Y Y	10 yrs. 7 yrs. 7 yrs. 7 yrs.	\$0 \$0 \$1,418 \$12,472 \$20,778	Condition Dependent 2014 2016 2017	G	\$50,000 \$40,000 \$35,000 \$50,000 \$45,000	
GMC         Savana           GMC OPS TRUCK         Sierra           Chevy FB #3         K3500           Ford         F15           Ford F350 FB#1         F35           Equipment           Cat Loader         950           - Transmission Rebuild         - Couplers & Paint           - Material Handling Arm         Ford F-700           Jet Reft         Wester           Oshkosh Plow Truck         "P" Se           Toyota Forklift         L-5FG           Oshkosh Blower         "H" Se           Ford F-350         100LL Re           Sweepster Lighted X's         LX Di           Cat Loader         950           Cat Grader         1431           Cat Backhoe         IT 410           - Thumb for Backhoe         Graco Paint Striper         LineLaz           JLG Hi-Lift         450 A           Lektro Tug         AP 8800           Kawasaki         (2)         Muli           International         Jet Reft           Fuel Cart         Fuel Cart	Van 2002 P-U 2007 FB 2009 0 2010 0 2013 B 1985 Heler 1986 ries 1990 025 1990 ries 1993 Ifueler	3/1/2002 12/28/2006 3/18/2009 10/18/2010 7/1/2013 8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$21,465 \$29,782 \$31,747 \$34,906 \$36,730 \$138,612 \$13,971 \$8,800 \$6,879	8,483	30,694 64,123 19,438 20,918 582	Y Y Y Y	Y Y Y Y	10 yrs. 7 yrs. 7 yrs. 7 yrs.	\$0 \$1,418 \$12,472 \$20,778	Condition Dependent 2014 2016 2017	G	\$40,000 \$35,000 \$50,000 \$45,000	
GMC OPS TRUCK         Sierra           Chevy FB #3         K3500           Ford         F15           Ford F350 FB#1         F35           Equipment           Cat Loader         950           - Transmission Rebuild         - Couplers & Paint           - Material Handling Arm         Ford F-700           Jet Refu           Oshkosh Plow Truck         "P" Se           Toyota Forklift         L-5FG           Oshkosh Blower         "H" Se           Ford F-350         100LL Re           Sweepster Lighted X's         LX Di           Cat Loader         950           Cat Grader         1431           Cat Backhoe         IT 410           - Thumb for Backhoe         Graco Paint Striper         LineLaz           JLG Hi-Lift         450 ///>AP 8800           Kawasaki         (2)         Muli           International         Jet Refu           Fuel Cart         Teel Cart	P-U 2007 FB 2009 D 2010 D 2013 B 1985 Heler 1986 ries 1990 C25 1990 ries 1993	12/28/2006 3/18/2009 10/18/2010 7/1/2013 8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$29,782 \$31,747 \$34,906 \$36,730 \$138,612 \$13,971 \$8,800 \$6,879	8,483	64,123 19,438 20,918 582	Y Y Y	Y Y Y	7 yrs. 7 yrs. 7 yrs.	\$1,418 \$12,472 \$20,778	2014 2016 2017	G	\$35,000 \$50,000 \$45,000	
Chevy FB #3   K3500	FB 2009 0 2010 0 2013 B 1985 Heler 1986 C25 1990 Gries 1993 Fueler	3/18/2009 10/18/2010 7/1/2013 8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$31,747 \$34,906 \$36,730 \$138,612 \$13,971 \$8,800 \$6,879	8,483	19,438 20,918 582	Y Y Y	Y	7 yrs. 7 yrs.	\$12,472 \$20,778	2016 2017		\$50,000 \$45,000	
Ford	D 2010 D 2013 B 1985 Jueler 1986 Tries 1990 C25 1990 Ifueler	8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$34,906 \$36,730 \$138,612 \$13,971 \$8,800 \$6,879	8,483	20,918 582	Y	Υ	7 yrs.	\$20,778	2017		\$45,000	
Equipment	D 2013  B 1985  Jueler 1986  ries 1990 C25 1990 ries 1993  fueler	7/1/2013 8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986 1/1/1990	\$36,730 \$138,612 \$13,971 \$8,800 \$6,879	8,483	582	Υ							
Equipment	D 2013  B 1985  Jueler 1986  ries 1990 C25 1990 ries 1993  fueler	8/31/1985 3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$138,612 \$13,971 \$8,800 \$6,879	8,483			Y	7 yrs.	\$36,292	2020		\$50,000	
Cat Loader 950 - Transmission Rebuild - Couplers & Paint - Material Handling Arm Ford F-700 Jet Refu  Oshkosh Plow Truck "P" Se Toyota Forklift L-5FG( Oshkosh Blower "H" Se  Ford F-350 100LL Re Sweepster Lighted X's LX Di Cat Loader 950  Cat Grader 143i Cat Backhoe IT 410 - Thumb for Backhoe Graco Paint Striper LineLaz  JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Muli	ries 1990 C25 1990 ries 1993	3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$13,971 \$8,800 \$6,879	8,483		slight							
Cat Loader 950 - Transmission Rebuild - Couplers & Paint - Material Handling Arm Ford F-700 Jet Refu  Oshkosh Plow Truck "P" Se Toyota Forklift L-5FG( Oshkosh Blower "H" Se  Ford F-350 100LL Re Sweepster Lighted X's LX Di Cat Loader 950  Cat Grader 143i Cat Backhoe IT 410 - Thumb for Backhoe Graco Paint Striper LineLaz  JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Muli	ries 1990 C25 1990 ries 1993	3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$13,971 \$8,800 \$6,879	8,483		slight							
- Transmission Rebuild - Couplers & Paint - Material Handling Arm Ford F-700 Jet Refu Oshkosh Plow Truck "P" Se Toyota Forklift L-5FGI Oshkosh Blower "H" Se Ford F-350 100LL Re Sweepster Lighted X's LX Di Cat Loader 950 Cat Grader 143i Cat Backhoe IT 41i - Thumb for Backhoe Graco Paint Striper LineLaz JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Muli	ries 1990 C25 1990 ries 1993	3/6/1997 9/29/2000 5/25/2010 7/31/1986	\$13,971 \$8,800 \$6,879	8,483		slight		10	•			•	
- Couplers & Paint - Material Handling Arm Ford F-700 Jet Refu  Oshkosh Plow Truck "P" Se Toyota Forklift L-5FG Oshkosh Blower "H" Se  Ford F-350 100LL Re Sweepster Lighted X's LX Di Cat Loader 950  Cat Grader 143i Cat Backhoe IT 41i - Thumb for Backhoe Graco Paint Striper LineLaz  JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Muli International Jet Refu	ries 1990 C25 1990 ries 1993	9/29/2000 5/25/2010 7/31/1986 1/1/1990	\$8,800 \$6,879			Silgiti	Y	10 yrs.	\$0	2015	С	\$460,000	*
- Material Handling Arm Ford F-700  Jet Refu  Oshkosh Plow Truck Toyota Forklift Oshkosh Blower  Ford F-350  Ford F-350  Cat Loader  Cat Backhoe  - Thumb for Backhoe  Graco Paint Striper  LineLaz  JLG Hi-Lift Lektro Tug AP 8800  Kawasaki (2)  International Full Refu  Fuel Cart	ries 1990 C25 1990 ries 1993	5/25/2010 7/31/1986 1/1/1990	\$6,879					10 yrs.	\$0				
Ford F-700 Jet Refu Oshkosh Plow Truck "P" Se Toyota Forklift L-5FGi Oshkosh Blower "H" Se Ford F-350 100LL Re Sweepster Lighted X's LX Di Cat Loader 950  Cat Grader 143i Cat Backhoe IT 410 - Thumb for Backhoe Graco Paint Striper LineLaz JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Muli International Jet Refu	ries 1990 C25 1990 ries 1993	7/31/1986						10 yrs.	\$0				
Oshkosh Plow Truck "P" Se Toyota Forklift L-5FGf Oshkosh Blower "H" Se Ford F-350 100LL Re Sweepster Lighted X's LX Di Cat Loader 950  Cat Grader 143i Cat Backhoe IT 410 - Thumb for Backhoe Graco Paint Striper LineLaz  JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Muli International Jet Reft	ries 1990 C25 1990 ries 1993	1/1/1990	¢50 156					7 yrs.	\$3,685				
Toyota Forklift	1990 ries 1993 fueler		φυθ, 100		9,376	Υ	Υ	20 yrs.	\$0	N/A	В	\$140,000	
Toyota Forklift	1990 ries 1993 fueler		£440.000	0.057	22.240	المامان	Υ	10.000	<b>CO</b>	2014	С	\$430,400	*
Oshkosh Blower         "H" Se           Ford F-350         100LL Re           Sweepster Lighted X's         LX Di           Cat Loader         950           Cat Grader         143l           Cat Backhoe         IT 41t           - Thumb for Backhoe         Graco Paint Striper           LineLaz         Lektro Tug         AP 8800           Kawasaki (2)         Muli           International         Jet Refi           Fuel Cart         Fuel Cart	ries 1993 fueler	4/4/4000	\$148,622	3,657	22,340	slight		10 yrs.	\$0		U		
Ford F-350	fueler	4/1/1990	\$15,094	4,450	5.000	Y	Y	10 yrs.	\$0	2015	_	\$35,000	
Sweepster Lighted X's		11/1/1993	\$228,149	2,939	5,609	N	Υ	10 yrs.	\$0	2016	С	\$480,000	
Sweepster Lighted X's		3/1/1993	\$37,950		7,859	Υ	Y	20 yrs.	\$0	TBD	Α	\$120,000	
Cat Loader         950           Cat Grader         143           Cat Backhoe         IT 410           - Thumb for Backhoe         Graco Paint Striper           JLG Hi-Lift         450 //Lektro Tug           Lektro Tug         AP 8800           Kawasaki (2)         Multitremational           International         Jet Refull           Fuel Cart         Tug	04 1994	6/16/1995	\$0	3,728	,	Y	<u> </u>	5 yrs.	\$0	2015	,,	\$80,000	*
Cat Grader         143l           Cat Backhoe         IT 410           - Thumb for Backhoe         Graco Paint Striper           LineLaz         LineLaz           JLG Hi-Lift         450 //           Lektro Tug         AP 8800           Kawasaki (2)         Mule           International         Jet Refu           Fuel Cart         Fuel Cart		12/30/1995	\$173,542	5,177		slight	<u> </u>	10 yrs.	\$0	2020	D	\$460,000	*
Cat Backhoe IT 416 - Thumb for Backhoe Graco Paint Striper LineLaz  JLG Hi-Lift 450 A Lektro Tug AP 8800 Kawasaki (2) Mule International Jet Refit Fuel Cart	1990	12/30/1993	ψ173,342	3,177		Silgrit		10 yis.	ΨΟ	2020		Ψ+00,000	
Cat Backhoe IT 416 - Thumb for Backhoe Graco Paint Striper LineLaz  JLG Hi-Lift 450 / Lektro Tug AP 8800 Kawasaki (2) Mule International Jet Refit Fuel Cart	1996	2/5/1996	\$227,370	3,799		slight	Υ	10 yrs.	\$0	2020		\$500,000	*
- Thumb for Backhoe Graco Paint Striper  LineLaz  JLG Hi-Lift Lektro Tug AP 8800 Kawasaki (2)  International Jet Reft Fuel Cart		12/17/1999	\$57,445	3,799		Ý	Y	10 yrs.	\$0	2017	Α	\$130,000	
Graco Paint Striper         LineLaz           JLG Hi-Lift         450 //           Lektro Tug         AP 8800           Kawasaki (2)         Muli           International         Jet Refu           Fuel Cart         Fuel Cart	2009	3/6/2009	\$7,770	-,		Y	Y	7 yrs.	\$2,868	Delete		<b>V</b> 100,000	
JLG Hi-Lift 450 / Lektro Tug AP 8800 Kawasaki (2) Mule International Jet Refu		7/18/2001	\$13,126	n/a		Y	N	5 yrs.	\$0	2015		\$17,000	*
Lektro Tug AP 8800 Kawasaki (2) Mule International Jet Refu Fuel Cart								Í	•				
Kawasaki (2) Mule International Jet Refu Fuel Cart	J 2001	5/6/2006	\$36,670	2,388		Υ	Υ	5 yrs.	\$0	2014		\$50,000	
International Jet Refu Fuel Cart	SDA 2002	2/18/2002	\$56,203	159		Υ	Υ	10 yrs.	\$0	2018	Α	\$64,000	i
Fuel Cart	2002	10/8/2002	\$25,294	540	avg	Υ	slight	10 yrs.	\$0	2012	Е	\$30,000	
Fuel Cart													
		11/1/2001	\$133,994	4,988	8,926	Υ	Y	10 yrs.	\$0	2016		\$150,000	
Crafee Crack Scalar Superche	2003	5/15/2004	\$4,150			Υ	Υ	10 yrs.	\$334	2014	F		
Ciaico Ciack Sealei Supersito	ot 125 2004	12/6/2004	\$33,578	1,341		Υ	N	10 yrs.	\$3,913	2015		\$50,000	*
International 100LL Re	fueler 2004	8/28/2003	\$109,975	4,240	10,662	Υ	Y	10 yrs.	\$0	2016		\$155,000	
Tiger Flail Mower TRF-9		12/27/2004	\$9,730	n/a	10,002	Y	N	7 yrs.	\$0	TBD	Α	\$15,000	
F.O.D. Boss Boss		3/18/2005	\$7,500	n/a		Y	N	5 yrs.	\$0	Delete		ψ13,000	
1.0.5. 2000	2000	0/10/2000	ψ1,000	11/4				0 yio.	ψŏ	Doloto			
Water Trailer (500 gallon)	2008	3/31/2008	\$8,039			Υ	slight	10 yrs.	\$3,752	TBD			
New Holland Tractor TV60	70 2008	2/5/2009	\$99,155	1325		Υ	Y	10yrs.	\$54,535	2019		\$120,000	*
- Broom Attachment	2008	12/30/2008	\$18,721			Υ	Υ	7 yrs.	\$6,463	TBD			
- Blower Attachment P-98	0 2008	2/24/2009	\$18,829			N	Υ	7 yrs.	\$6,725	TBD			-
LaRue T85		2/28/2011	\$492,822	314		N	Y	25 yrs.	\$443,540	2036		\$550,000	*
Golf Carts (3) Club C	ar 2006	3/30/2012	\$9,771			Υ	N	not capitalized	\$3,250/ea		Е		
Lay Cart Loca I	RJ1 2011	10/10/2014	¢o off	60 overte		Υ	Y	20 1/20	¢7 400	2031	$\vdash$	\$40.000	
Lav Cart LC60-i		10/19/2011		60 events		Y		20 yrs.	\$7,498 \$12,571	2001		\$10,000 \$15,000	
Portable Vactor PV-6 Zero Radius Mower Evolution		12/8/2011 6/18/2012	\$13,714 \$5,482	30 54		Y	N N	20 yrs.	\$12,571 \$4,842	2031	1	\$15,000 \$8,000	
JetGO GPU 550N			\$34,645			Y	Y	10 yrs. 10 yrs.	\$32,913	2022	+	\$40,000	
55010	2013	2/10/2013	ψυ4,υ40	130.3		1	ı	io yis.	ψυΖ,313	2023		Ψ40,000	
Notes: A) These	items have m	et or are close to	the end of th	eir anticipa	ted lives: ho	wever, repl	acement is	not anticipated in	the 2012-201	3 fiscal year.			
										dget to refurbish it.			
	ed in current A		<u> </u>					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
		ement of 950B in	n 2015.										
				ne of the n	nules was de	onated to th	e USACF	and Staff is looking	a into options	for the disposal of the otl	her tw	0.	
								replacing the fue				-	
	ski units have l									the state of the s	-		
* Potentiall	ski units have l t is looking into					ill be taken	over by the	new 4WD SUV, t	hus extending	g its life.	1		

### Truckee Tahoe Airport District Recommended Facility Maintenance Budget

Facility Name	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Beyond	Facility Total
West Side Modular	\$1,250	\$5,418	\$6,060	\$0	\$7,602	\$0	\$0	\$0	\$0	\$0	\$0	\$20,330
Maintenance Building	\$8,050	\$1,400	\$1,000	\$1,000	\$8,000	\$1,000	\$40,585	\$3,000	\$1,000	\$1,000	\$0	\$66,035
Hangar 2	\$22,060	\$3,088	\$6,000	\$0	\$0	\$0	\$13,397	\$0	\$0	\$0	\$7,410	\$51,955
Hangar 1	\$33,050	\$22,500	\$0	\$50,400	\$0	\$26,060	\$31,200	\$0	\$0	\$0	\$0	\$163,210
Garage	\$0	\$2,000	\$3,300	\$0	\$0	\$0	\$0	\$8,817	\$0	\$0	\$4,500	\$18,617
Warehouse	\$51,500	\$11,400	\$75,300	\$0	\$0	\$0	\$38,500	\$0	\$0	\$9,000	\$18,000	\$203,700
Hangar Row A	\$2,000	\$70,500	\$75,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$147,900
Hangar Row B	\$1,500	\$101,900	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104,900
Hangar Row C	\$3,000	\$4,500	\$95,400	\$0	\$0	\$0	\$66,080	\$0	\$0	\$0	\$0	\$168,980
Hangar Row D	\$95,900	\$7,500	\$0	\$0	\$66,080	\$0	\$0	\$0	\$0	\$0	\$0	\$169,480
Hangar Row E	\$9,500	\$8,500	\$0	\$95,400	\$0	\$66,080	\$0	\$0	\$0	\$0	\$0	\$179,480
Hangar Row F	\$1,500	\$21,425	\$0	\$0	\$64,750	\$0	\$0	\$0	\$0	\$0	\$0	\$87,675
Hangar Row G	\$4,000	\$7,500	\$12,825	\$0	\$0	\$68,500	\$0	\$0	\$0	\$0	\$0	\$92,825
Hangar Row H	\$11,000	\$15,000	\$0	\$214,500	\$0	\$107,000	\$0	\$0	\$0	\$0	\$0	\$347,500
Hangar Row J	\$3,000	\$4,500	\$18,000	\$0	\$35,500	\$64,064	\$0	\$0	\$0	\$0	\$0	\$125,064
Hangar Row K	\$5,000	\$3,000	\$0	\$0	\$116,424	\$34,209	\$0	\$0	\$0	\$0	\$0	\$158,633
Hangar Row L	\$1,000	\$37,000	\$0	\$0	\$9,550	\$0	\$0	\$79,625	\$0	\$0	\$0	\$127,175
Hangar Row M	\$109,370	\$5,000	\$0	\$0	\$51,940	\$0	\$0	\$0	\$0	\$0	\$0	\$166,310
Phoenix Hangar	\$7,500	\$0	\$6,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,923
EAA Building	\$21,293	\$0	\$22,113	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,300	\$49,706
Generator Building	\$1,750	\$1,000	\$3,821	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,571
Auto Rental Building	\$24,500	\$2,500	\$3,850	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000	\$0	\$36,850
Self-Serve Fuel Tank	\$35,000	\$3,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,500
Fuel Farm	\$30,000	\$74,700	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$134,700
Administration Building	\$3,000	\$3,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
Airport Beacon Tower	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500
Alder Hill Beacon Tower	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500
Dry Lake Beacon Tower	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500
Design/Construction Admin @ 7.5%	\$36,429	\$31,600	\$25,049	\$29,348	\$26,988	\$27,518	\$14,232	\$6,858	\$75	\$1,200	\$2,716	\$202,014
TOTAL	\$522,152	\$452,930	\$359,041	\$420,648	\$386,835	\$394,431	\$203,994	\$98,300	\$1,075	\$17,200	\$38,926	\$2,895,531

		14-Y	FAR FO	ORFST	ΜΔΝΔ	GEMEN	T ACTI	VITY TI	RACKII	NG ANI	COST	SUMN	/ΔRY		
Year					1017 (1 (7 (		. / ( )	<u> </u>	.,	7					20-year
ı oai															Treatment
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Cost By Unit
Unit	2013	2017	2013	2010	2017	2010	2013	2020	2021	2022	2023	2024	2023	2020	Cost by Offic
1		\$105,000							\$105,000						\$210,000
2		ψ100,000							ψ100,000						\$0
3					\$70,500					\$70,500					\$141,000
4					ψ10,000					φ10,000					\$0
5															\$0
6				\$52,500					\$52,500						\$105,000
7				<b>402,000</b>				\$72,000	ψ0 <u>2</u> ,000					\$72,000	\$144,000
8			\$57,600					\$54,000						<b>41</b> <u>_</u> , <b>6 6 6</b>	\$111,600
9			ψο.,σοσ		\$260,800			ψο 1,000							\$260,800
10					4_00,000		\$105,600								\$105,600
11A		\$52,800					\$49,500					\$49,500			\$151,800
11B		\$9,000					+ -,					+ -,			\$9,000
11C		<b>4</b> - <b>7</b> - 2 - 2						\$10,500							\$10,500
11D								\$48,000							\$48,000
12						\$168,000		<b>+</b> 10,000							\$168,000
13	\$25,000					\$69,000					\$69,000				\$163,000
14	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\$106,200		+ ,					<b>,</b> ,				\$106,200
15			\$112,000	. ,											\$112,000
OBSTRN			. ,												
REMVL	\$29,500														\$29,500
Total															
Treatment	\$54,500	\$466 900	\$169,600	\$158,700	\$331,300	\$227 000	\$155,100	\$404 E00	\$4 E7 E00	\$70,500	\$69,000	\$49,500	\$0	\$72,000	£4 076 000
Cost, All	<b>\$54,500</b>	\$166,800	\$109,000	\$130,700	<b>\$331,300</b>	\$237,000	\$155,100	\$104,500	\$157,500	\$70,500	<b>\$09,000</b>	\$49,500	ΦU	\$72,000	\$1,876,000
Units, All Yrs															
Estimated															
Road															\$100,000
Repair	¢20.000	¢00,000													Ψ100,000
Costs	\$20,000	\$80,000													
Estimated Permitting															\$20,107
Cost	\$20,107														Ψ20,101
Total Cost	\$94,607														\$1,996,107
Average															
Total Cost,															\$142,579
Per Year															

KEY:

Initial Treatment Cost

\*\*BLUE SHADED AREA HAS MODIFIED ALLOCATION FOR ROAD IMPROVEMENT\*\*

Rx Fire Cost

TRUCKEE TAHOE AIRPORT DISTRICT																								
PAVEMENT MAINTENANCE/MANAGEMENT PLA	N SUMN	MARY	- YEARS 20	013-202	24																			
9/4/2013																								
The line shown in blue below is taken from Table	e 4-2 in th	he Cha	apter 4 of t	he Pav	ement M	laintei	nance Plar	ı (No	v. 2011). A	s sta	ated in note	A (b	elow) 15% h	nas b	peen added	to the	amounts	sho	wn in the Pl	an t	o include d	lesi	gn, enginee	ring and
project management.																								
1																								
			2013		2014		2015		2016		2017		2018		2019		2020	)	2021		2022		2023	20
PAVEMENT MAINTENANCE PLAN (ORIGINAL)	Α	\$	823,400	\$	672,750	\$ 1	1,316,750	\$	665,850	\$	2,482,850	\$	2,282,750	\$	379,500	\$ 3,	184,500	\$	1,028,100	\$	23,000	\$	414,000	
PAVEMENT MAINTENANCE PLAN (REVISED)	A, B, C	\$ 1	1,863,351	\$	63,250	\$	500,250	\$	665,850	\$	1,419,100	\$	1,362,750	\$	1,299,500	\$ 1,	702,000	\$	1,028,100	\$	23,000	\$	414,000	\$ 1,357,00
POTENTIAL FAA GRANT REVENUES	D	\$	(894,000)	\$	(56,925)	\$	(200,100)	\$	(266,340)	\$	(567,640)	\$	(545,100)	\$	(519,800)	\$ (	580,800)	\$	(411,240)	\$	(20,700)	\$	(165,600)	\$ (542,80
NET ANTICIPATED TTAD EXPENSE OF PVMT						١.						١.						١.				١.		
MAINTENANCE		\$	969,351	\$	6,325	\$	300,150	\$	399,510	\$	851,460	\$	817,650	\$	779,700	\$ 1,	021,200	\$	616,860	\$	2,300	\$	248,400	\$ 814,20
	<u> </u>					<u> </u>																		
NOTE A - The Pavement Maintenance Plan amou	ınts inclu	ide 15	% per year	for de	sign, engi	ineeri	ing and pro	oject	manageme	ent.	-		1					1		1		1		
						<u> </u>				L		L.,												
NOTE B - This is a preliminary revision of the pa	vement n	nainte	enance plar	n which	n reflects	work	that has b	een a	accelerated	l. Th	ne plan will b	e o	ficially revis	ed t	his fall after	the cu	rrent pa	vem	ent projects	are	complete.			
	<u> </u>				10000	0: (()		L.,		Ļ	0 6	<u>.                                    </u>						<u> </u>		Ļ		<u> </u>		
NOTE C - The original plan anticipated the apron	s being re	ebuilt	between 2	2017 an	nd 2020 -	Staff	is assumin	g tha	at the curre	nt m	nill & fill wor	k wi	II make that	unn	necessary. T	he rev	sion also	o ass	umes the Ta	axiw	ay A projec	ct w	ill be split b	etween tw
years (2018-2019).						ı				1					-			1		1				
				ļ						<u> </u>								<u> </u>		<u> </u>				
NOTE D - The pavement work at the Airport has		•		_	gnificant F	AA fu	ınding. Th	is sch	hedule assu	mes	s a 40% fund	ing	level from th	ne F	AA - except i	n year	s where	antic	cipated expe	endit	ure is less	tha	n the \$150	.000
entitlement funds. In those years, the grant con	tribution	is calo	culated at	90%.																				

## TAI IO. 4-2 TRUCKEE LAHOE AIRPORT MAINTENANCE AND REHABILITATION SCHEDULE

-		The same of the sa		stimated	Deep Seated Distress - Surface Distress	F	stimated
-			2011		Recommended Rehabilitation	Co	nstruction Cost
Year	Element	Station	PCI	Code	Description		Ooot
Tear	T/Ws A, B, C, D, E, F, H, U, J	0+00 to 72+00	51	G	Crack Repair, Seal Cracks		000.00
		All	42	G	Crack Repair, Seal Cracks & Joints	-\$	363,00
	Runway 1-19 Blast Pads	700	,	-			
	North End of East Hangars (C&D, G&H)	All	59	D	Remove AC and Reconstruct		
2011		All	-		Rehabilitate - Reconstruct	\$	260,0
	Chandelle Ave					\$	130,0
	Runway 1-19, T/W G, Apron A1, A2, A3	All		Н	Reclamite Seal 2011 Total Cost	\$	753,0
		4 44 47 77	50	6	Add Rock, Pulverize, Recompact + 3" AC (Lower Hump)	\$	2,842,0
	Runway 10-28	0+00 to 47+00	.50			\$	100,0
	T/Ws A, D, E, F, H, U, Hangar H1	Various	51	G	Crack Repair, Seal Cracks	Φ	100,0
	1/VVS A, D, E, F, FI, O, Hangar TT				ANU and Fill or Hat Popycle	\$	255,0
	Apron A2 (50% of Apron)	(50% of Apron)	40	- 1	Mill and Fill or Hot Recycle		100.0
2012		All	37-40	G	Crack Repair, Seal Cracks & Joints	\$	130,0
2012	Apron A3 and Apron A4	- All	0			\$	733,0
	H2 - Taxiways at Hangars J & K	All	35		Rehabilitate - Reconstruct		
			- 00	F	Saw & Seal New Joints - Supplemental	\$	115,0
	H3 - Taxilanes and Warehouse Area	All	83	F	2012 Total Cost		4,175,0
	Ad (DOS) of Aprop)	(30% of Apron)	45	1	Mill and Fill or Hot Recycle	\$	200,0
	Apron A1 (30% of Apron)	(0070.017.p.0.17			- I SII - U-l Payela	\$	255,0
	Apron A2 (50% of Apron)	(50% of Apron)	40	1	Mill and Fill or Hot Recycle		
		All	55	G	Crack Repair, Seal Cracks	\$	40,0
2013	South Jet Apron	7311	- 00	4	HISTORY STATE OF THE STATE OF T	\$	45,0
	H1 - Rows d, e, f, and g	All	63-75	F	Saw & Seal New Joints - Supplemental		
		***		-	Remark Airfield Pavements as Needed	\$	176,0
	All Airfield Pavements	All			2013 Total Cost		716,0
	TAN-A D C D	0+00 to 28+00	51	G, H	Crack Repair, Seal Cracks, Fog Seal	\$	50,0
	T/Ws A, B, C, D	0.001.0			Crack Repair, Seal Cracks, Fog Seal	\$	75,0
	T/Ws A, E, F, H, U, J	28+00 to 72+00	51	G, H	Crack Repair, Seal Glacks, Pog Seal		100
2014		(70% of Apron)	45	1	Mill and Fill or Hot Recycle	\$	460,0 585,0
-	Apron A1 (70% of Apron)	(1070 017 (5101))			2014 Total Cos	\$	105,0
	Runway 10-28	47+00 to 70+00	80-85	F	Saw & Seal New Joints - Supplemental	Ψ	100,0
				G	Crack Repair, Seal Cracks	\$	20,0
	T/W North End of East Hangars A-H	All	59	G		\$	675,0
2015	Lid Dove h i I 9 m	All	55-61	D	Remove AC and Reconstruct	Ф	675,0
2010	H1 - Rows h, i, I, & m				- LANG-Id Revenents as Needed	\$	345,0
	All Airfield Pavements	All			Remark Airfield Pavements as Needed 2015 Total Cost	\$	1,145,0

CHAPTER 4 - REHABILITATION PLAN AND SCHEDULE

### TABLE NO. 4-2 TRUCKEE TAHOE AIRPORT MAINTENANCE AND REHABILITATION SCHEDULE

					Ceep Seated Distress - Surface Distress		
	Element	Station	2011 PCI	Code	Recommended Rehabilitation  Description		Estimated onstruction Cost
Year	Runway 1-19	0+00 to 46+00	75	F	Saw & Seal New Joints - Supplemental	\$	115,00
- (	RAW 1-19 Blast Pads	All	42	D	Remove AC and Reconstruct	\$	125,00
	R/W 10-28 East Blast Pad	All	55	D	Remove AC and Reconstruct	\$	64,00
2016	Taxiway G, V, P, Q	All	55	F	Saw and Seal New Joints - Supplemental	\$	100,00
	H1 - Rows j and k	All	81-84	F, H	Saw and Seal New Joints, Fog Seal	\$	40,0
	H3 - Taxilanes and Warehouse Area	All	83	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal	\$	135,0
		All	37-40	D	Remove AC and Reconstruct	\$	579,0 1,825,0
	Apron 3 and Apron 4	All	37-40			\$	334,0
2017	All Airfield Pavements	All			Remark Airfield Pavements as Needed 2017 Total Cost		2,159,0
-	TAVs A, E, F, H, U, J	28+00 to 72+00	51	В	Rehabilitate - Reconstruct	\$	1,900,0
2018	H1 - Rows d, e, f, and g	All	63-75	G	Crack Repair, Seal Cracks & Joints	\$	85,0
	T/Ws A, B, C, D	0+00 to 28+00	51	G	Crack Repair, Seal Cracks	\$	1,985,0 25,0
019		All			Remark Airfield Pavements as Needed	\$	305,0
.010	All Airfield Pavements	All			2019 Total Cost	-	330,0
	Apron A1	Alt	45	А	Remove and Reconstruct	\$	1,550,0
	South Jet Apron	All	55	А	Remove and Reconstruct	\$	550,0
2020	T/W North End of East Hangars A-H	All	59	AorE	Reconstruct	\$	640,0
	Runway 10-28	47+00 to 70+00	80-85	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal 2020 Total Cost	\$	290,0 3,030,0
_	Runway 1-19	All	75	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal	\$	355,0
	T/Ws G, V, P, Q	All	55	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal	\$	240,0
2021	H3 - Taxilanes and Warehouse Area	All	83	G	Crack Repair, Seal Cracks & Joints	\$	130,
	All Airfield Pavements	All			Remark Airfield Pavements as Needed	\$	169,0
	III Davis Lond k	All	81-84	G	Crack Repair, Seal Cracks & Joints	\$	<b>894</b> , 20,
2022	H1 - Rows j and k		0,04		Remark Airfield Pavements as Needed	\$	<b>20,</b> 360,
2023	All Airfield Pavements	All	1-		Remark Airrield Pavements as Needed 2023 Total Cost	-	360,

CHAPTER 4 - REHABILITATION PLAN AND SCHEDULE

# TABLE NO. 4-2 TRUCKEE TAHOE AIRPORT MAINTENANCE AND REHABILITATION SCHEDULE

	the second section of the sect		E	stimated	- Surface Distress	F	stimated
			2011		Recommended Rehabilitation		nstruction
	Floment	Station	PCI	PCI Code Description  51 B Rehabilitate - Reconstruct  63-75 G, H Crack Repair, Seal Cracks & Joints, Fog Seal  248 A Remove and Reconstruct  Remark Airfield Pavements as Needed  50 F, H Saw and Seal New Joints, Fog Seal  80-85 A or E Reconstruct  75 G Crack Repair, Seal Cracks & Joints  55 G Crack Repair, Seal Cracks & Joints  55 G Crack Repair, Seal Cracks & Joints, Fog Seal  83 G, H Crack Repair, Seal Cracks & Joints, Fog Seal  57-61 F Saw & Seal New Joints  Remark Airfield Pavements as Needed  55-58 F Saw and Seal New Joints  55-84 D Remove AC and Reconstruct  2 Remark Airfield Pavements as Needed  42 F Saw & Seal New Joints  7-40 F, H Saw and Seal New Joints, Fog Seal		S	1,120,0
Year	T/Ws A, B, C, D	0+00 to 28+00	51	В	Rehabilitate - Reconstruct	Ψ	1,120,0
	T/Ws A, B, C, D			- 11	O L Danair Seel Creeke & Joints For Seel	\$	60,0
2024	H1 - Rows d, e, f, and g	All	63-75	G, H	Crack Repair, Seal Gracks & Johns, 1 Sg Start 2024 Total Cost	\$	1,180,0
		A.D.	Mik	Δ	Remove and Reconstruct	\$	1,150,0
	Apron A2	All	#U	A		\$	336.0
2025	and 5 11 Decements	All			Remark Airfield Pavements as Needed 2025 Total Cost	-	1,486,
-020	All Airfield Pavements					\$	570,
	Runway 10-28	0+00 to 47+00	50	F, H	Saw and Seal New Joints, Fog Seal		
	Runway 10-20				Description	\$	1,220,
	Rыnway 10-28	47+00 to 70+00	80-85	AOFE	Reconstact	_	450
		All	75	G	Crack Repair, Seal Cracks & Joints	\$	150,0
	Runway 1-19	All	15			\$	130,
2026	Taxiway G, V, P, Q	All	55	G	Crack Repair, Seal Cracks & Joints	Ψ	1001
	Taxiway G, V, F, Q				Could Bearin Sool Crooks & Joints Fog Seal	\$	62,
	H2 - Rows r, q, p	All	35	G, H	Crack Repair, Seal Cracks & Johns, 1 og Seal		
			83	GH	Crack Repair, Seal Cracks & Joints, Fog Seal	\$	90,
	H3 - Taxilanes and Warehouse Area	All	00	0,11	2026 Total Cost	\$	36,
	and i	All	57-61	F	Saw & Seal New Joints	Φ	50,
	H1 - Rows h and i	7,01			- Needed	\$	105,
2027	All Airfield Pavements	All			Remark Airfield Pavements as Needed 2027 Total Cost	\$	141,
	All Allicia i atomorni					\$	45,
_	H1 - Rows I and m	All	55-58	F	Saw and Seal New Joints	1	
0000			EE 0.4	D	Remove AC and Reconstruct	\$	345,
2028	H1 - Rows j and k	All	55-64		2028 Total Cost	\$	390, 354,
		All			Remark Airfield Pavements as Needed 2029 Total Cost	\$	354,
2029	All Airfield Pavements					\$	12,
	Runway 1-19 Blast Pads	All	42	F	Saw & Seal New Joints		
			07.40	EU	Saw and Seal New Joints, Fog Seal	\$	265,
0000	Apron A3 and Apron A4	All	37-40	F, 71	Odw and Ocurren semisja 5	S	600,
2030		All	63-75	D	Remove AC and Reconstruct 2030 Total Cost		877,
	H1 - Rows d, e, f, and g	All	00 10		2030 10141 0031	\$	1,930,
	Pursuau 1 10	All	75	С	Add Rock, Pulverize, Recompact + 3" AC		
	Runway 1-19				Add Book, Bulyoriza, Recompact + 3" AC	\$	1,440,
	Taxiway G, V, P, Q	All	55	С	Add Rock, Pulvenze, Recompact 1 5 7.5	-	
0004		All	25	G	Crack Repair, Seal Cracks & Joints	\$	50,
2031	H2 - Rows r, q, p	All	- 35	- 0		\$	245,
					Demands Airfield Payaments as Needed	Ψ	3,665,

CHAPTER 4 - REHABILITATION PLAN AND SCHEDULE