Truckee Tahoe Airport





Pavement Maintenance/Management Plan

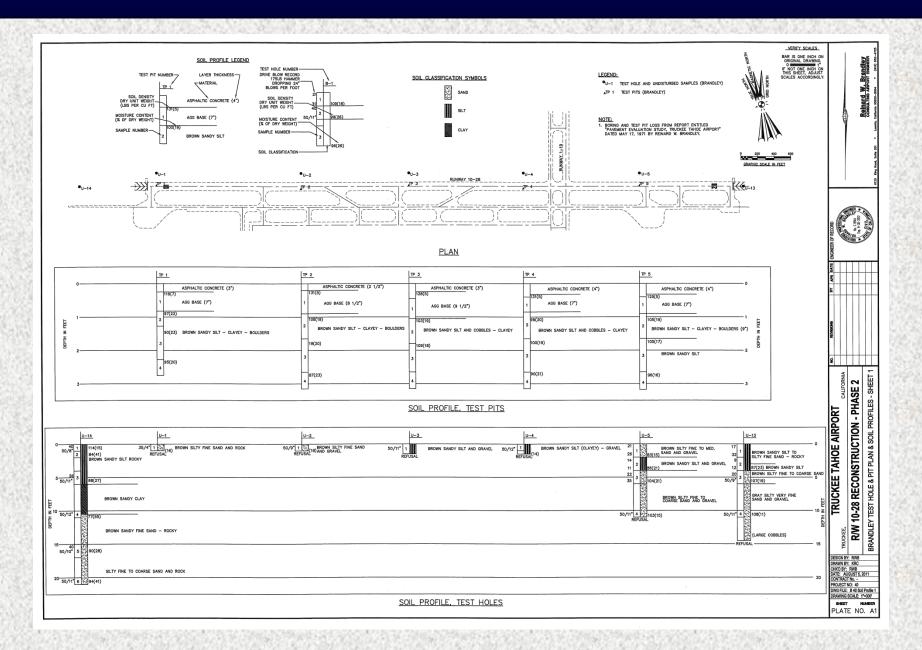
Presentation to Truckee Tahoe Airport District

December 1, 2011

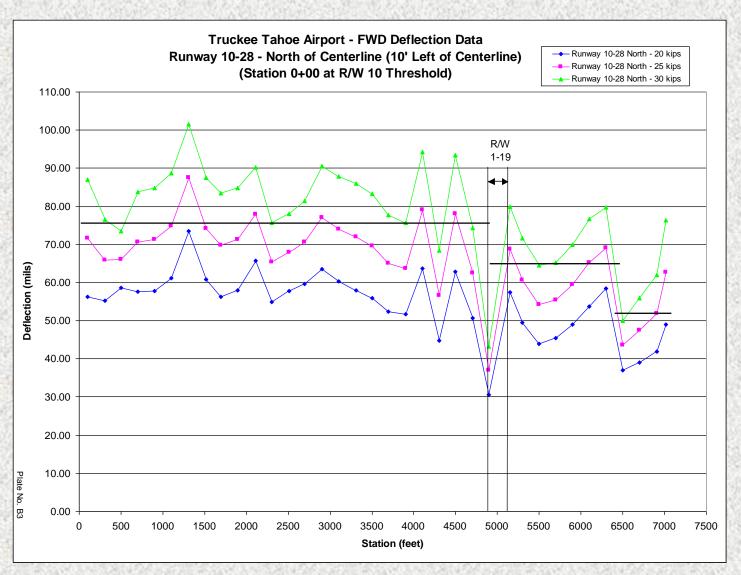
Reinard W. Brandley
CONSULTING AIRPORT ENGINEER

6125 King Road, Suite 201 Loomis, California 95650 (916) 652-4725

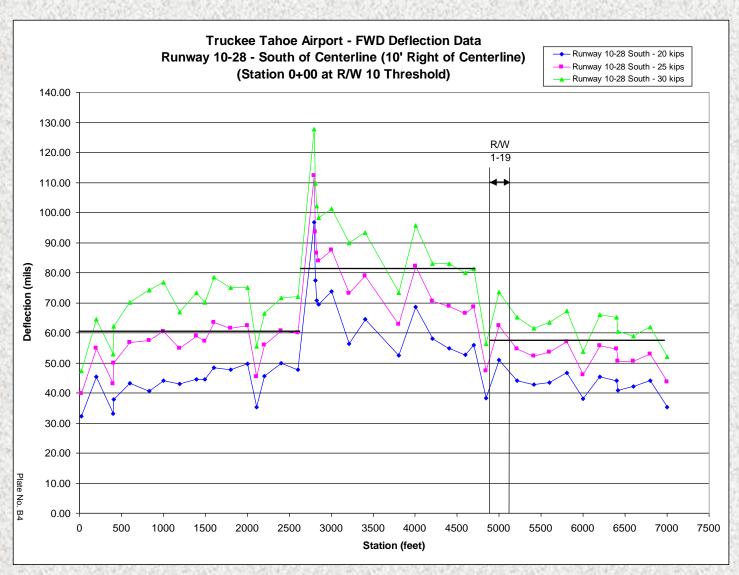
Brandley Test Hole & Pit Plan and Soil Profiles



FWD Deflection Data Runway 10-28 — North of Centerline



FWD Deflection Data — Runway 10-28 — South of Centerline



Pavement Condition Survey & Rehabilitation Schedule Runway 10-28 * Station 0+00 to Station 22+00

Airport:		Truckee-Tah	oe Airport		Date of Survey:	May 5 &	& 6, 2011
Element:	Runway 10	-28					
Station:	0+00 to 22+	-00					
Dimensions:	100' x 2200	,					
FAA Paveme			R1 Single	Gear - 60) kins		
Element Iden	tification (Fo	orm 5335-1):		ear - 100			
		Tinch	CDD	E koi		V noi	Domorko
Evicting	PFC	T-inch	CBR	E ksi	μ	K pci	Remarks
Existing Pavement	PCC						
Section:	AC	4		150	0.35		
Section.	AB	8		40	0.35		
	ASB	U		40	0.55		
	Subgrade	48		10	0.35		
	Sub-soil	S.I.		25	0.35		
Date Constru		1963			0.00		
Rehabilitation		Date			Туре		
		1986					
Pavement Co		Grooved, Seale					
			Moderate North				
		t to Moderate -	Some Seconda	ry - Sea	led		
Weathering - No Rutting, Sh		valling					
ino Rutting, Si	loving, or Ra	Pavement Rati	ng – Good				PCI = 60
Pavement Re	maining Life		Brandley - F	otique A	nalveie	E	ARFIELD
Traffic Index	maining Life	Alialysis	A Brandley - F		A1	A A	AARFIELD A1
	Plate Deflecti	on - 25 K Load			38 (75)	43-88 (75)	43-88 (75)
		ing Life - Years	36		25	0.2	0.2
Recommende	ed Rehabilita	ation:		ı			
	Rehab.						
Date	Code			Descr	iption		
2012	С	-	Add Rock, Pulver	ize, Recon	npact + 3" AC	(lower hump)	
2026	F, H		Saw & S	Seal New	Joints, Fog	Seal	
	1						
Remarks:	Station has	ed on Sta O loc	ated at Runway	10 three	shold and r	proceeding es	est
Remarks:			cated at Runway e for section - S				ıst.

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Traffic Summary

TABLE No. 2-1 - TRAFFIC SUMMARY

TABLE No. 2-1a - Traffic Group Summary

Aircraft Group	Aircraft Type	Aircraft Empty (lbs)	Aircraft 60% Fuel (lbs)	Aircraft MTOW (lbs)	Gear Configuration
1	Beech Baron	4,190	4,930	5,424	Single
	Conquest	6,210	8,439	9,925	Single
2	Citation CJ1	6.160	8,704	10,400	Single
	Raytheon Premier I	8,600	10,940	12,500	Single
	King Air 350	10,000	13,000	15,000	Single
3	Citation CJ II Bravo	9,300	12,780	15,100	Single
3	Lear 31	10,250	13,400	15,500	Dual
	Raytheon Hawker 400	10,550	14,000	16,300	Single
	Citation Ultra/Encore	9,900	13,938	16,630	Single
4	Citation Excel	12,550	17,020	20,000	Single
	Lear 45	12,050	16,940	20,200	Dual
5	Citation III	13,500	18,600	22,000	Dual
	Lear 60	14,750	20,000	23,500	Dual
	Gulfstream 150	15,100	21,700	26,100	Dual
6	Raytheon Hawker 800	16,100	23,240	28,000	Dual
ь	Citation Sovereign	20,800	26,500	30,300	Dual
	Raytheon Hawker 1000	17,220	25,488	31,000	Dual
	Gulfstream 200	21,200	29,390	34,850	Dual
7	Citation X	21,600	30,060	35,700	Dual
	Dessault Falcon 2000	19,700	29,360	35,800	Dual
	Challenger 300	23,800	32,020	37,500	Dual
8	Raytheon Hawker 4000	23,500	33,100	39,500	Dual
٥	Dassault Falcon 50 EX	20,200	31,900	39,700	Dual
	Dassault Falcon 2000EX	23,190	34,596	42,200	Dual
	Dassault Falcon 900B	22,610	36,344	45,500	Dual
9	Challenger 605	26,990	39,716	48,200	Dual
ð	Dassault Falcon 900EX	24,700	38,860	48,300	Dual
	Legacy	30,000	41,760	49,600	Dual
10	Gulfstream III	38,000	57,020	69,700	Dual
10	Gulfstream IV	43,000	61,120	73,200	Dual
11	Gulfstream V	48,300	73,920	91,000	Dual
11	Bombardier Global Express	52,000	79,600	98,000	Dual

Note: 60% Fuel Weight is the weight of the aircraft with 60% of the total fuel, passengers, and payload allowable.

TABLE No. 2-1b - Summary of Traffic Data for Truckee Tahoe Airport

	Aircraft Group	Aircraft MTOW (lbs)	Gear Type	2011 Operations	Annual Growth Rate
- 1	1	5,500	Single	16,746	0.70%
)	2	10,000	Single	2,618	2.27%
Small to	3	16,000	Single	2,654	2.90%
Medium	4	20,000	Single	464	4.40%
Aircraft	5	23,000	Dual	312	4.40%
)	6	30,000	Dual	192	4.40%
- 1	7	35,700	Dual	416	4.40%
	8	42,000	Dual	58	4.32%
Large Aircraft	9	49,000	Dual	98	4.27%
	10	73,000	Dual	50	3.65%
	11	94,000	Dual	72	3.30%
	Total 2	011 Opera	ations	23,680	

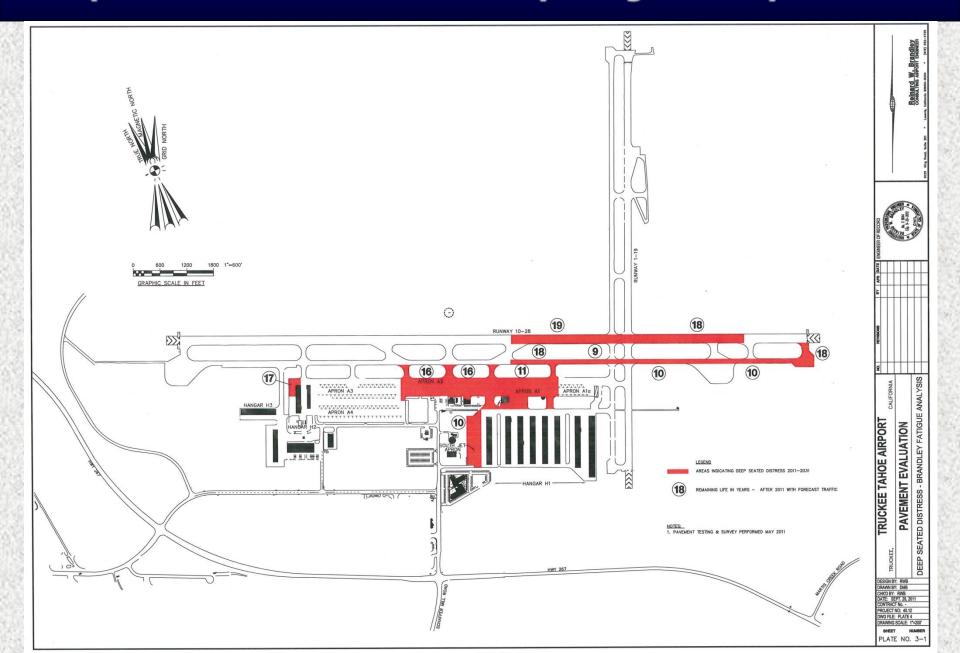
TABLE No. 2-1c - Summary of Traffic Indexes

	Aircraft							Traffi	c Index (Aircraft Op	erations	in 2011)						
	Group	Α	В	С	D	E	E	G	Н	- 1	J	K	L	M	N	0	Р	Q
	1	4,521	8,206	13,732	2,512	6,029	8,708	6,866	3,014	1,507	1,172	5,024	6,698	6,698	5,024	1,675	1,675	3,349
	2	707	1,283	2,147	393	942	1,361	1,073	471	236	183	785	1,047	1,047	785	262	262	524
Small to Medium	3	717	1,300	2,176	398	955	1,380	1,088	478	239	186	796	1,062	1,062	796	265	265	53
Aircraft	4	125	227	380	70	167	241	190	84	42	32	139	186	186	139	46	46	93
Alliciali	5	84	153	256	47	112	162	128	56	28	22	94	125	125	94	31	31	62
	6	52	94	157	29	69	100	79	35	17	13	58	77	77	58	19	19	38
	7	112	204	341	62	150	216	171	75	37	29	125	166	166	125	42	42	83
	8	31	49	50	21	27	30	24	5	5	3	340	26	53		6		17
Large Aircraft	9	53	82	85	35	45	51	40	9	9	6	0.20	44	89	-	10	-	29
Large All Crait	10	27	42	44	18	23	26	21	5	5	3	-	23	46	-	4	-	15
	11	39	60	63	26	33	37	30	6	6	4	-	32	66	-	-	-	22
Total 2011 Opera	ations	6,468	11,700	19,431	3,611	8,552	12,312	9,710	4,238	2,131	1,653	7,021	9,486	9,615	7,021	2,356	2,340	4,763
							7	-								2000000		
% Use of Small/Media	ım Aircraft	27%	49%	82%	15%	36%	52%	41%	18%	9%	7%	30%	40%	40%	30%	10%	10%	20%
% Use of Large A	vircraft	54%	84%	87%	36%	46%	52%	41%	9%	9%	6%	0%	45%	91%	0%	10%	0%	30%

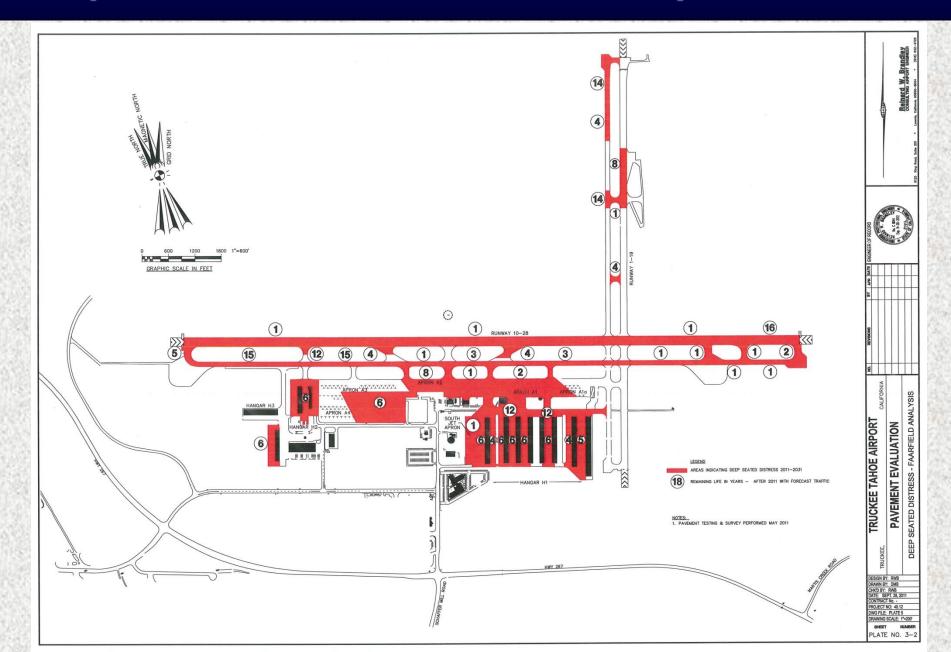
TABLE No. 2-1d - Summary of Enhanced Traffic Indexes

	Aircraft				En	hanced T	raffic Ind	ex (Aircra	ft Operat	tions in 201	1 with La	rge Aircr	aft Operati	ions Doub	oled)			
	Group	A1	B1	C1	D1	E1	F1	G1	H1	11	J1	K1	L1	M1	N1	01	P1	Q1
	1	4,521	8,206	13,732	2,512	6,029	8,708	6,866	3,014	1,507	1,172	5,024	6,698	6,698	5,024	1,675	1,675	3,349
	2	707	1,283	2,147	393	942	1,361	1,073	471	236	183	785	1,047	1,047	785	262	262	524
Small to Medium	3	717	1,300	2,176	398	955	1,380	1,088	478	239	186	796	1,062	1,062	796	265	265	531
Aircraft	4	125	227	380	70	167	241	190	84	42	32	139	186	186	139	46	46	93
Aircraft	5	84	153	256	47	112	162	128	56	28	22	94	125	125	94	31	31	62
	6	52	94	157	29	69	100	79	35	17	13	58	77	77	58	19	19	38
	7	112	204	341	62	150	216	171	75	37	29	125	166	166	125	42	42	83
	8	62	98	100	42	54	60	48	10	10	6	0.50	52	106	200	12	((=)	34
Large Aircraft	9	106	164	170	70	90	102	80	18	18	12	-	88	178	-	20	-	58
Large Aircrait	10	54	84	88	36	46	52	42	10	10	6	-	46	92	-	2	-	30
	11	78	120	126	52	66	74	60	12	12	8	-	64	132		-	-	44
Total 2011 Oper	ations	6,618	11,933	19,673	3,711	8,680	12,456	9,825	4,263	2,156	1,669	7,021	9,611	9,869	7,021	2,372	2,340	4,846
% Use of Small/Media	um Aircraft*	27%	49%	82%	15%	36%	52%	41%	18%	9%	7%	30%	40%	40%	30%	10%	10%	20%
% Use of Large A		54%	84%	87%	36%	46%	52%	41%	9%	9%	6%	0%	45%	91%	0%	10%	0%	30%
- Percent use inidcat	es the perce	ntage of	different a	ircraft grou	ps using a	an analyze	ed paveme	nt elemen	t.	-2	- 0		107	- 72	7	77		

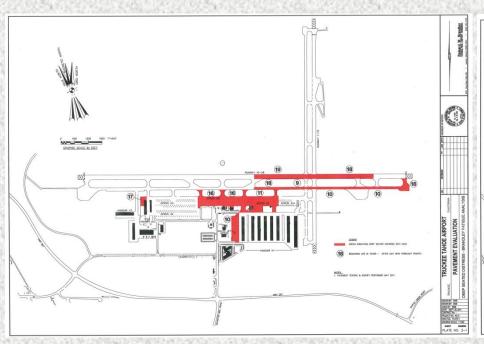
Deep-Seated Distress — Brandley Fatigue Analysis

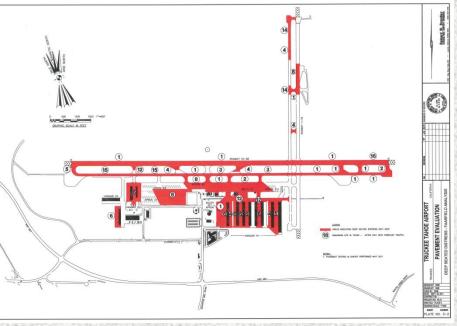


Deep-Seated Distress – FAARFIELD Analysis



Deep-Seated Distress – Brandley vs. FAARFIELD





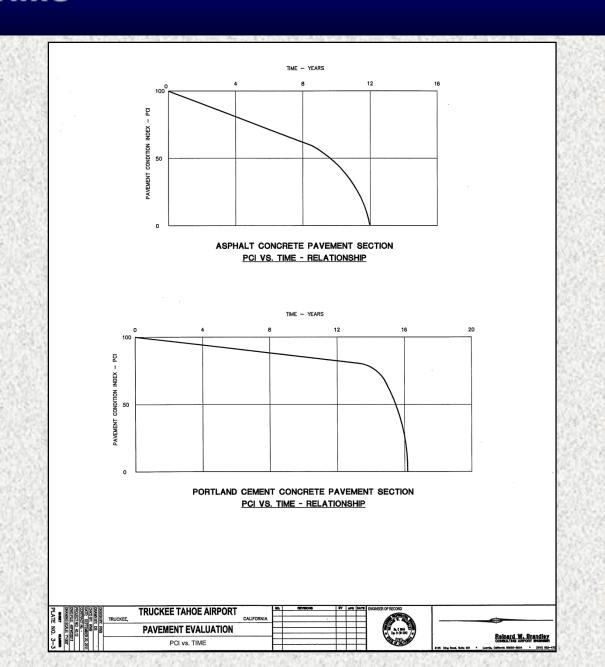
Comparative Study of Remaining Life — Brandley and FAARFIELD

Airport	Facility	Forecast Re (Ye	Actual Life*	
		Brandley	FAARFIELD	LII
Sacramento International Airport	Runway 16L-34R	5	0.25	5.1
Stockton Metropolitan Airport	Runway 11-29	6 to 8	22	7
Nashville International Airport	New Apron Taxiway	3	0.2	3
Truckee-Tahoe Airport	Runway 10-28 Station 40+00	16	1	**

^{*}Number of years to failure.

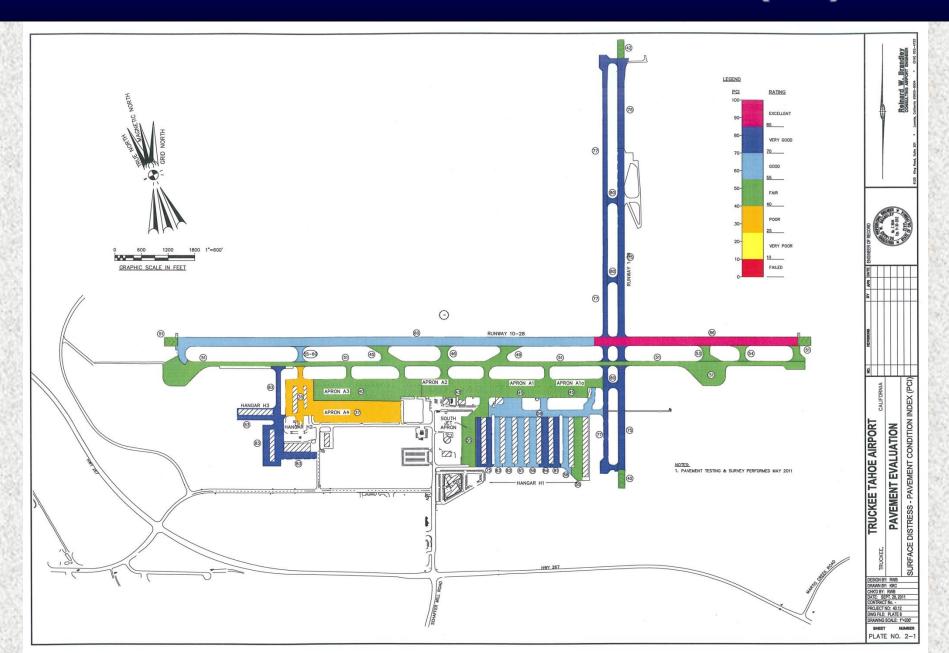
^{**}This section of the runway has performed under forecast loading for the past 8 to 10 years with no sign of deep-seated distress. There is surface cracking of the asphalt pavement due to thermal stresses. According to FAARFIELD it should have failed 7 to 9 years ago.

PCI vs. Time



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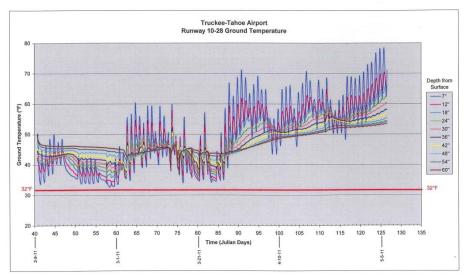
Surface Distress – Pavement Condition Index (PCI)

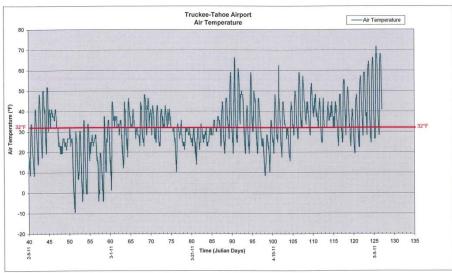


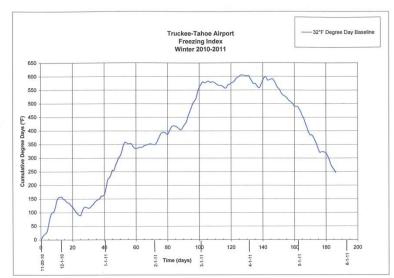
Frost Penetration Study

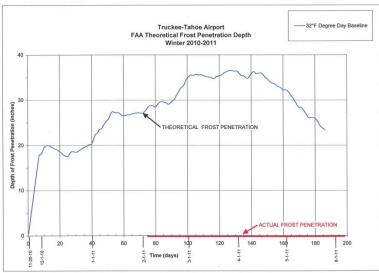
PLATE NO. 2-3 - FROST PENETRATION STUDY

Data Collection: February 9 -May 5, 2011









Rehabilitation Plan – Deep-Seated Distress

TABLE NO. 3-2

TRUCKEE TAHOE AIRPORT

REHABILITATION PLAN - DEEP-SEATED DISTRESS

			Remaining	Estimated		
			Life	Year of		Recommended Rehabilitation
Year	Element	Station	(Years)	Failure	Code	Description
2012	Hangar H2, Hangars J & K		17	2028	Α	Remove Existing & Reconstruct
2212	D 40.00	0.004.47.00	10.00	2222	•	
2012	Runway 10-28	0+00 to 47+00	19-30	2029	A	Hump Removal Area - Remove and Reconstruct
		0+00 to 47+00	19-30	2029	С	Remaining Areas - Add Rock, Pulverize & Reconstruct
2026		47+00 to 70+00	18-30	2029	Е	Remove 4" AC, Scar/Recomp Base, Add 4" AB, 3" AC
2020	Apron A1		11-38	2022	Α	Remove Existing & Reconstruct - Includes T/W M
2025	Apron A2		16-44	2027	Α	Remove Existing & Reconstruct
2020	South Jet Apron		10	2021	Α	Remove Existing and Reconstruct
2024	Taxiway A, B, C, D	0+00 to 28+00	31-36	2042	В	Rehabilitate and Reconstruct - Includes T/Ws A, B, C, D
2018	Taxiway A, E, F, H, U, J	28+00 to 72+00	8-22	2019	В	Rehabilitate and Reconstruct - Includes T/Ws A, E, F, H, U, J
						, _,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,

Pavement Rehabilitation Procedures – Deep-Seated Distress

	<u>TABLE NO. 3-1</u>	
	TRUCKEE TAHOE AIRPORT	
	PAVEMENT REHABILITATION PROCEDURES DEEP-SEATED DISTRESS	
Code	Rehabilitation Method	
A	Pulverize and Remove Pavement Section and Reconstruct New Section - ASB - Pulverized Existing AC & AB AB - Crushed Aggregate Base (New) AC - Asphalt Pavement (New) Total Thickness Cost per square foot	8" 4" <u>3"</u> 15' \$5.2
В	Rehabilitate Existing Section - Option 1 New Section - ASB - Pulverize Existing AC & AB & Recompact AB - Crushed Aggregate Base (New) AC - Asphalt Pavement (New) Total Thickness Cost per square foot	10' 3" <u>3"</u> 16' \$4.0
С	Rehabilitate Existing Section - Option 2 New Section - Place 2" Crushed Rock on Existing AC Pulverize and Mix New Rock & Existing AC & AB and Recompact AC - Asphalt Pavement (New) Total Thickness Cost per square foot	12' 3 <u>"</u> 15' \$3.7
D	Remove AC and Reconstruct New Section - Remove Existing AC Scarify and Recompact Existing AB AC - Asphalt Pavement (New) Total Thickness Cost per square foot	6" <u>3"</u> 9" \$3.7
E	Strengthen Existing Section New Section - Remove Existing AC Scarify and Recompact Existing AB Add AB - Aggregate Base (New) AC - Asphalt Pavement (New) Total Thickness Cost per square foot	8" 3" <u>3"</u> 14 \$4.7



Pavement Rehabilitation Procedures – Surface Distress

TABLE NO. 3-3

TRUCKEE TAHOE AIRPORT

PAVEMENT REHABILITATION PROCEDURES SURFACE DISTRESS

Code	Rehabilitation Method	Estimated Unit Costs
F	Saw & Seal New Joints to Control Thermal Cracking	\$3.50/ln. ft.
G	Crack Repair, Seal Existing Cracks and Joints and/or Remove and Patch AC	\$18/sq. ft. for 3 1/2" AC
Н	New Seal Coat - Fog Seal, Reclamite, etc.	\$1.25/sq. yd.
I	Mill & Fill or Hot Recycle	\$2.60/sq. ft.
J	Remark Pavements	\$1.00/sq. ft.

Maximum Load Limits

Element	Gear Type	Maximum Load
Duraney 10 20 9 Appealated Taylinava	Dual	80
Runway 10-28 & Associated Taxiways	Single	50
Dunway 1 10 and Associated Taviwaya	Dual	65
Runway 1-19 and Associated Taxiways	Single	40
Aprene and Hanger Tavilance	Dual	65
Aprons and Hangar Taxilanes	Single	40

Rehabilitation Plan – Runway 10-28 Complex

				TABL TRUCKEE T REHABILI	_	- RPORT		
				ed for Deep S				
			Est	imated - Surf	ace Distre	ess	1	
Year	Element	Station	2011 PCI	2011 Remaining Life-Years	Code	Recommended Rehabilitation Description		Estimated onstruction Cost
	2.0	O.G.I.O.I.		RUNWAY 1		· · · · · · · · · · · · · · · · · · ·	L	
2012	Runway 10-28	0+00 to 47+00	50		С	Add Rock, Pulverize, Recompact + 3" AC (lower hump)	\$	2,842,000
2026					F, H	Saw & Seal New Joints, Fog Seal	\$	570,000
2015	Runway 10-28	47+00 to 70+00	80-85		F	Saw & Seal New Joints - Supplemental	\$	105,000
2016	(East Blast Pad)		(55)		D	Remove AC and Reconstruct	\$	64,000
2020					G, H	Crack Repair, Seal Cracks and Joints, Fog Seal	\$	290,000
2026					A or E	Strengthen Existing Section	\$	1,220,000
2011	T/Ws A, B, C, D (Holding Apron)	0+00 to 28+00 (T/W A)	51		G	Crack Repair, Seal Cracks	\$	100,000
2014	(Freeding 7 sp. err)	(,			G, H	Crack Repair, Seal Cracks, Fog Seal	\$	50,000
2019					G	Crack Repair, Seal Cracks	\$	25,000
2024					В	Rehabilitate - Reconstruct	\$	1,120,000
2036					F, H	Saw & Seal New Joints, Fog Seal		
2011	T/Ws A, E, F, H, U, J (Holding Apron)	28+00 to 72+00 (T/W A)	51		G	Crack Repair, Seal Cracks	\$	120,000
2014	((G, H	Crack Repair, Seal Cracks, Fog Seal	\$	75,000
2018					В	Rehabilitate - Reconstruct	\$	1,900,000
2034					F, H	Saw & Seal New Joints, Fog Seal		

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Maintenance and Rehabilitation Schedule – 2011-2015

2011 Tr/Ws A, B, C, D, E, I Runway 1-19 Blast F North End of East H: Chandelle Ave Runway 1-19, Tr/W C Runway 10-28 Tr/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and V Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen Tr/Ws A, B, C, D Tr/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28			MAINTEN	TRUC	TABLE NO. 4-2 KEE TAHOE AIRPORT ND REHABILITATION SCHEDULE		
2011 T/Ws A, B, C, D, E, I Runway 1-19 Blast F Runway 1-19 Blast F Chandelle Ave Runway 1-19, T/W C Runway 10-28 T/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and U Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28				· Contract C	Deep Seated Distress		
2011 T/Ws A, B, C, D, E, I Runway 1-19 Blast F Runway 1-19 Blast F Chandelle Ave Runway 1-19, T/W C Runway 10-28 T/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and U Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28	Element	Station	2011 PCI	Code	- Surface Distress Recommended Rehabilitation Description		Estimated onstruction Cost
Runway 1-19 Blast F North End of East H: Chandelle Ave Runway 1-19, T/W G Runway 10-28 T/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and V Apron A1 (30% of A) Apron A2 (50% of A) Apron A2 (50% of A) Apron A2 (50% of A) Apron A1 (30% of A) Apron A2 (50% of A) Apron A2 (50% of A) Apron A3 (50% of A) Apron A4 (70% of A) Runway 10-28	CONTRACT CONTRACTOR	0+00 to 72+00	51	G	Crack Repair, Seal Cracks	1	Cost
2011 Chandelle Ave Runway 1-19, T/W of Runway 1-19, T/W of Runway 10-28 T/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and W Apron A1 (30% of A) Apron A2 (50% of A) Apron A3 (50% of A) T/Ws A, B, C, D T/Ws A, B, C, D T/Ws A, B, C, D Runway 10-28		All	42	G	Crack Repair, Seal Cracks & Joints	-\$	363,000
Runway 1-19, T/W C Runway 10-28 T/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and U Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28	East Hangars (C&D, G&H)	All	59	D	Remove AC and Reconstruct	ļ I	
Runway 10-28 T/Ws A, D, E, F, H, U Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and U Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28	ve	All			Rehabilitate - Reconstruct	\$	260,000
2012 Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and V Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28	9, T/W G, Apron A1, A2, A3	All		Н	Reclamite Seal	\$	130,000
2012 Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and V Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28	dies.		19000	10.00	2011 Total Cost		753,000
Apron A2 (50% of A) Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and N Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, N Apron A1 (70% of A) Runway 10-28	28	0+00 to 47+00	50	С	Add Rock, Pulverize, Recompact + 3" AC (Lower Hump)	\$	2,842,000
Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and N Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, N Apron A1 (70% of A) Runway 10-28	E, F, H, U, Hangar H1	Various	51	G	Crack Repair, Seal Cracks	\$	100,000
Apron A3 and Apron H2 - Taxiways at Ha H3 - Taxilanes and V Apron A1 (30% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, V Apron A1 (70% of A) Runway 10-28	0% of Apron)	(50% of Apron)	40	1	Mill and Fill or Hot Recycle	\$	255,000
Apron A1 (30% of A) Apron A2 (50% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, A Apron A1 (70% of A) Runway 10-28	d Apron A4	All	37-40	G	Crack Repair, Seal Cracks & Joints	\$	130,000
Apron A1 (30% of A) Apron A2 (50% of A) Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, v Apron A1 (70% of A) Runway 10-28	ys at Hangars J & K	All	35		Rehabilitate - Reconstruct	\$	733,000
Apron A2 (50% of A) South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, A Apron A1 (70% of A) Runway 10-28	es and Warehouse Area	All	83	F	Saw & Seal New Joints - Supplemental 2012 Total Cost	\$ t \$	115,000 4,175,000
2013 South Jet Apron H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, Apron A1 (70% of A) Runway 10-28	0% of Apron)	(30% of Apron)	45	1	Mill and Fill or Hot Recycle	\$	200,000
2013 H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, Apron A1 (70% of A) Runway 10-28	0% of Apron)	(50% of Apron)	40	1	Mill and Fill or Hot Recycle	\$	255,000
H1 - Rows d, e, f, an All Airfield Pavemen T/Ws A, B, C, D T/Ws A, E, F, H, U, Apron A1 (70% of A) Runway 10-28	ron	All	55	G	Crack Repair, Seal Cracks	\$	40,000
All Airfield Pavement T/Ws A, B, C, D T/Ws A, E, F, H, U, Apron A1 (70% of A) Runway 10-28	e f and d	All	63-75	F	Saw & Seal New Joints - Supplemental	\$	45.000
T/Ws A, B, C, D T/Ws A, E, F, H, U, A Apron A1 (70% of A) Runway 10-28	-	****	00 70				
2014 T/Ws A, E, F, H, U, v Apron A1 (70% of A) Runway 10-28	avements	All			Remark Airfield Pavements as Needed	\$	176,000
2014 T/Ws A, E, F, H, U, v Apron A1 (70% of A) Runway 10-28	c. D	0+00 to 28+00	51	G, H	2013 Total Cost Crack Repair, Seal Cracks, Fog Seal	t \$	716,000 50,000
Apron A1 (70% of A) Runway 10-28							
Runway 10-28	, H, U, J	28+00 to 72+00	51	G, H	Crack Repair, Seal Cracks, Fog Seal	\$	75,000
	0% of Apron)	(70% of Apron)	45	1	Mill and Fill or Hot Recycle	\$	460,000
	20	47.004-70.00	00.05	_	2014 Total Cost	V	585,000
T/W North End of Ea	20	47+00 to 70+00	80-85	F	Saw & Seal New Joints - Supplemental	\$	105,000
2015	nd of East Hangars A-H	All	59	G	Crack Repair, Seal Cracks	\$	20,000
H1 - Rowsh, i, I, & n	, i, I, & m	All	55-61	D	Remove AC and Reconstruct	\$	675,000
All Airfield Pa∨emen	avements	All			Remark Airfield Pavements as Needed 2015 Total Cost	\$ \$	345,000 1,145,000

Rehabilitation Schedule – 2012-2015

