

**TRUCKEE TAHOE AIRPORT
PAVEMENT EVALUATION STUDY
PAVEMENT MAINTENANCE/MANAGEMENT PLAN**

**Appendix C
Pavement Condition Survey**

As an aid in determining the performance to date of the existing pavements and to provide a guide for the test program to be conducted in this study a detailed condition survey of all existing pavements was made. This survey consisted of visually observing all pavements and noting deficiencies in areas of distress. A copy of the drawing identifying the pavements surveyed is included in this appendix as Sheet No. C1.

The Pavement Condition Survey and Rehabilitation Schedules shown in Tables C1 through C72 include the following information for each pavement segment evaluated, if available:

- F.A.A. Pavement Strength Survey
- F.A.A. Existing Pavement Section, FAA Form 5335
- Date constructed
- Rehabilitation record
- Pavement condition including Pavement Condition Index (PCI)
- Pavement evaluation
- Pavement remaining life analysis
- Recommended rehabilitation.

Routine remarking of the pavements is required every 2 to 3 years. The scheduled remarking is not shown in Appendix C or Table 4-3 due to space limitations, but it is included in the rehabilitation and maintenance schedules.

The results of the new Pavement Condition Survey conducted in the 2013 Update have been added to this report and show the changes in pavement conditions resulting from rehabilitation of some sections and the effect of 2 more years of use and weathering on all pavements.

A table of contents of this appendix is shown below:

Plates

Plate No. C1 Pavement Segment Identification

Tables – Pavement Condition Survey and Rehabilitation Schedule

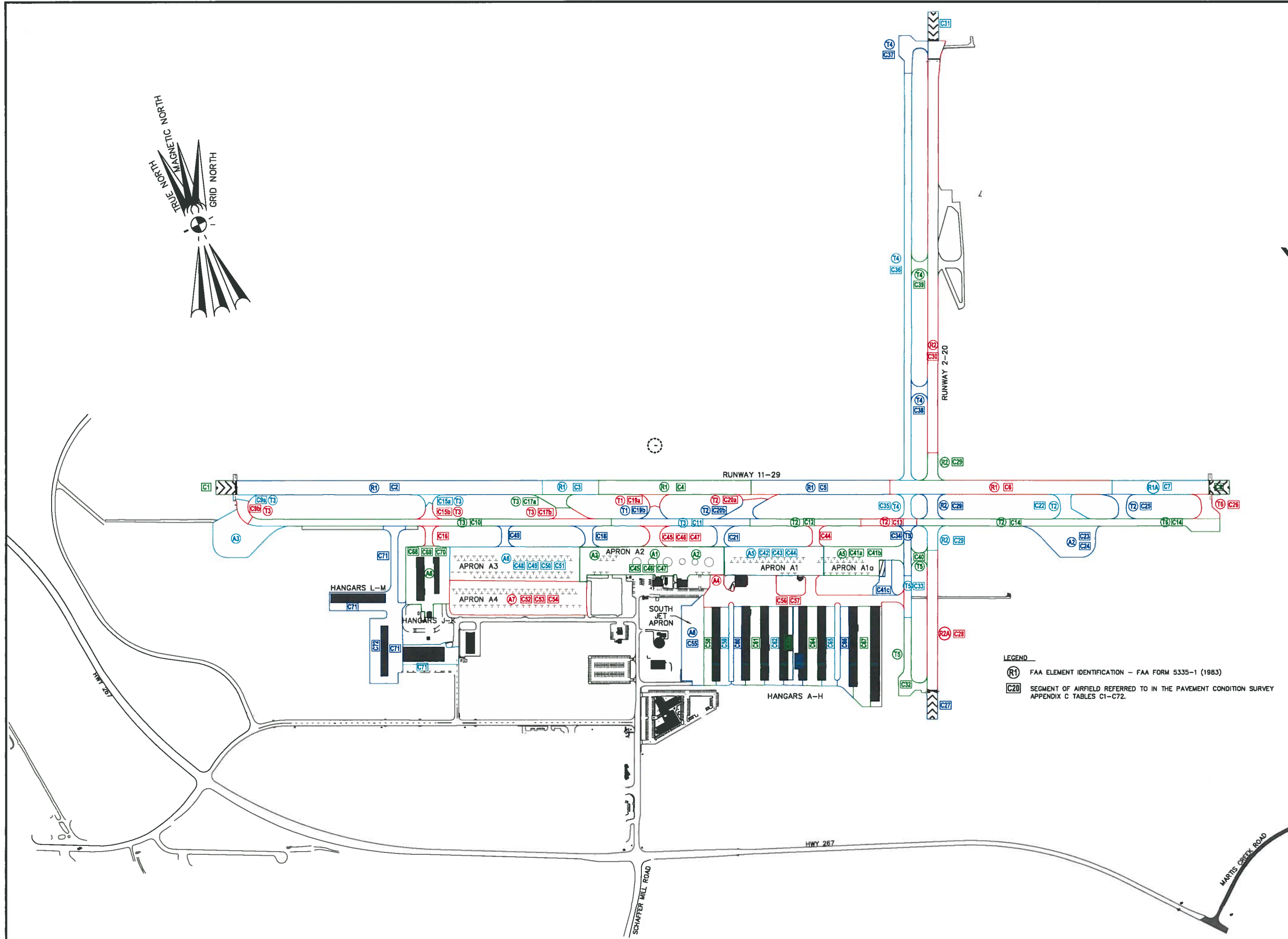
Tables No. C1 through C8 Runway 11-29

**TRUCKEE TAHOE AIRPORT
PAVEMENT EVALUATION STUDY
PAVEMENT MAINTENANCE/MANAGEMENT PLAN**

**Appendix C
Pavement Condition Survey**

**Tables – Pavement Condition Survey and Rehabilitation Schedule
(Continued)**

Tables No. C9a through C14	Taxiway A
Tables No. C15a through C16	Taxiway C
Tables No. C17a through C18	Taxiway D
Table No. C19a through 19b	Taxiway E
Tables No. C20a through C21	Taxiway F
Tables No. C22 through C24	Taxiway H
Table No. C25	Taxiway U
Table No. C26	Taxiway J
Tables No. C27 through C31	Runway 2-20
Tables No. C32 through C37	Taxiway G
Table No. C38	Taxiway P
Table No. C39	Taxiway V
Table No. C40	Taxiway Q
Tables No. C41a through C41c	Apron A1a & EAA
Tables No. C42 through C44	Apron A1
Tables No. C45 through C47	Apron A2
Tables No. C48 through C51	Apron A3
Tables No. C52 through C54	Apron A4
Table No. C55	South Jet Apron
Tables No. C56 through C67	Hangars A-H
Tables No. C68 through C70	Hangars J-K
Tables No. C71 through C72	Hangars L-M



TRUCKEE, CALIFORNIA
TRUCKEE TAHOE AIRPORT
PAVEMENT EVALUATION
PAVEMENT SEGMENT IDENTIFICATION

DESIGN BY: RWB
DRAWN BY: DB
CHKD BY: RWB
DATE: SEPTEMBER 20, 2011
CONTRACT NO.:
PROJECT NO.: 40.12
DWG FILE: 40FWD2011
DRAWING SCALE: 1"=300'
SHEET NUMBER
PLATE NO. C1

ENGINEER OF RECORD

NO.	REVISIONS	BY	DATE
1	2013 PUMP UPDATE	DB	1/29/14



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TABLE NO. C1 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Runway 11-29				
Station:	West Blast Pad - Sta. -1+50 to 0+00				
Dimensions:	100' x 150'				
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None		
		Thickness - inches		E ksi	
		2011	2013	2011	2013
Existing Pavement Section:	PFC				
	PCC	No Data			
	AC				
	AB				
	ASB				
	Subgrade				
	Sub-soil				
Date Constructed:					
Rehabilitation Record:	Date	Type			
	1986, 2012	2012 - Reconstruction (Add 2" Rock, Pulverize, + 3"AC)			
Pavement Condition: No Grooves, Joints, or Cracks					
Weathering - Light					
No Rutting, Shoving, or Ravelling					
2011 PCI = 60					
Pavement Rating = Excellent					
2013 PCI = 95					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD	
Traffic Index		Maintenance Equipment		Maintenance Equipment	
FWD Center Plate Deflection - 20 K Load					
Pavement Structure Remaining Life - Years					
Pavement Structure Estimate Year of Failure					
Recommended Rehabilitation:					
Date	Rehab. Code	Description			
2026	F, H	Saw & Seal New Joints, Fog Seal			
2031	G	Crack Repair, Seal Cracks & Joints			
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.					
FWD used was mean value for section - See FWD Graphs, Appendix B					
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C2 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	0+00 to 22+00						
Dimensions:	100' x 2200'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		R1 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	3	150	350	0.35	
	AB	8	14	40	40	0.35	
	ASB	-	-				
	Subgrade	48	48	10	10	0.35	
	Sub-soil	S.I.	S.I.	25	25	0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 - Reconstruction (Add 2" Rock, Pulverize, + 3"AC)					
Pavement Condition:		Grooved (center 80'), no joints, no cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling						2011 PCI = 60	
Pavement Rating = Excellent						2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		A	A1	A	A1		
FWD Center Plate Deflection - 25 K Load		43-88 (75)	43-88 (75)	43-88 (75)	43-88 (75)		
Pavement Structure Remaining Life - Years		36	25	0.2	0.2		
Pavement Structure Estimate Year of Failure		2047	2036	2011	2011		
2013 Updated Remaining Life - Years		117	85	-	-		
2013 Update Estimated Year of Failure		2130	2098	-	-		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C3 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	22+00 to 26+00						
Dimensions:	100' x 400'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			R1 Single Gear - 60 kips Dual Gear - 100 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	3	150	350	0.35	
	AB	8	14	40	40	0.35	
	ASB		-				
	Subgrade	48	48	10	10	0.35	
	Sub-soil	S.I.	S.I.	25	25	0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 - Reconstruction (Add 2" Rock, Pulverize, + 3"AC)					
Pavement Condition:		Grooved (center 80'), no joints, no cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling		2011 PCI = 60					
Pavement Rating = Excellent		2013 PCI = 95					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		B	B1	B	B1		
FWD Center Plate Deflection - 25 K Load		56-71 (75)	56-71 (75)	56-71 (75)	56-71 (75)		
Pavement Structure Remaining Life - Years		25	17	0.9	0.4		
Pavement Structure Estimate Year of Failure		2036	2028	2012	2011		
2013 Updated Remaining Life - Years		87	63	-	-		
2013 Update Estimated Year of Failure		2100	2076	-	-		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C4 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	26+00 to 37+00						
Dimensions:	100' x 1100'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		R1 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	3	250	350	0.35	
	AB	8	14	30	40	0.35	
	ASB		-				
	Subgrade	48	48	10	10	0.35	
	Sub-soil	S.I.	S.I.	20	20	0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 - Reconstruction (Add 2" Rock, Pulverize, + 3"AC)					
Pavement Condition:		Grooved (center 80'), no joints, no cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling		2011 PCI = 60					
Pavement Rating = Excellent		2013 PCI = 95					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		B	B1	B	B1		
FWD Center Plate Deflection - 25 K Load		63-93 (80)	63-93 (80)	63-93 (80)	63-93 (80)		
Pavement Structure Remaining Life - Years		23	16	1.0	0.5		
Pavement Structure Estimate Year of Failure		2034	2027	2012	2012		
2013 Updated Remaining Life - Years		81	59	-	-		
2013 Update Estimated Year of Failure		2094	2072	-	-		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks:		Station based on Sta. 0 located at Runway 11 threshold and proceeding east.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C5 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	37+00 to 47+00						
Dimensions:	100' x 1000'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		R1 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	3	250	350	0.35	
	AB	8	14	30	40	0.35	
	ASB		-				
	Subgrade	48	48	10	10	0.35	
	Sub-soil	S.I.	S.I.	20	20	0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 - Reconstruction (Add 2" Rock, Pulverize, + 3"AC)					
Pavement Condition:		Grooved (center 80'), no joints, no cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling		2011 PCI = 60					
Pavement Rating = Excellent		2013 PCI = 95					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		C	C1	C	C1		
FWD Center Plate Deflection - 25 K Load		57-82 (80)	57-82 (80)	57-82 (80)	57-82 (80)		
Pavement Structure Remaining Life - Years		19	12	1.0	0.5		
Pavement Structure Estimate Year of Failure		2030	2023	2012	2012		
2013 Updated Remaining Life - Years		70	52	-	-		
2013 Update Estimated Year of Failure		2083	2065	-	-		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C6 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	47+00 to 63+00						
Dimensions:	100' x 1600'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			R1 Single Gear - 60 kips Dual Gear - 100 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	4	250		0.35	
	AB	8	8	40		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:		Date	Type				
		1986, 2008	2008 - Remove and Replace Pavement Section				
Pavement Condition: Grooved, Sealed. Jointed - 1/4"-1/2" - 25'x25' - Sealed (no band-aid).							
Cracks - Longitudinal - None							
-Transverse - None							
Weathering - Light							
No Rutting, Shoving, or Ravelling							
2011 PCI = 86							
Pavement Rating = Excellent							
2013 PCI = 86							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		C	C1	C	C1		
FWD Center Plate Deflection - 25 K Load		37-68 (65)	37-68 (65)	37-68 (65)	37-68 (65)		
Pavement Structure Remaining Life - Years		18	14	1.5	0.8		
Pavement Structure Estimate Year of Failure		2029	2025	2013	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2017	F	Saw & Seal New Joints, Fog Seal					
2022	G	Crack Repair, Seal Cracks and Joints					
2026	A or E	Reconstruct					
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C7 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	63+00 to 70+00						
Dimensions:	100' x 700'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			R1A Single Gear - 75 kips Dual Gear - 120 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	4	250		0.35	
	AB	8	8	35		0.35	
	ASB		-				
	Subgrade	48	48	17		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1971					
Rehabilitation Record:	Date	Type					
	1986, 2008	2008 - Remove and Replace Pavement Section					
Pavement Condition: Grooved, Sealed. Jointed - 1/4"-1/2" - 25'x25' - Sealed (no band-aid).							
Cracks - Longitudinal - None							
-Transverse - None							
Weathering - Light							
No Rutting, Shoving, or Ravelling							
2011 PCI = 86							
Pavement Rating = Excellent							
2013 PCI = 86							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		C	C1	C	C1		
FWD Center Plate Deflection - 25 K Load		37-63 (52)	37-63 (52)	37-63 (52)	37-63 (52)		
Pavement Structure Remaining Life - Years		30	23	16	9		
Pavement Structure Estimate Year of Failure		2041	2034	2027	2020		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2017	F	Saw & Seal New Joints, Fog Seal					
2022	G	Crack Repair, Seal Cracks and Joints					
2026	A or E	Reconstruct					
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C8 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 11-29						
Station:	East Blast Pad						
Dimensions:	100' x 150'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC	No Data					
	AC						
	AB						
	ASB						
	Subgrade						
	Sub-soil						
Date Constructed:							
Rehabilitation Record:		Date	Type				
		1986					
		2013	Marking changed to zebra striped markings.				
Pavement Condition: Jointed - 1"-2" - 25'x25' - Sealed.							
Cracks - Corner - Moderate-Severe (90%), Sealed							
-Secondary - Moderate, Sealed. Moderate Alligator Cracking, Some Depressions.							
Weathering - Moderate							
No Rutting, Shoving. Minor Ravelling						2011 PCI = 55	
Pavement Rating = Poor						2013 PCI = 38	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		Maintenance Equipment			Maintenance Equipment		
FWD Center Plate Deflection - 20 K Load							
Pavement Structure Remaining Life - Years							
Pavement Structure Estimate Year of Failure							
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2018	D	Remove AC and Reconstruct					
2026	A or E	Reconstruct with Runway Project					
Remarks: Station based on Sta. 0 located at Runway 11 threshold and proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C9a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway A						
Station:	0+00 to 2+00 (Taxiway B)						
Dimensions:	50' x 200'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T3 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	30		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints, Slurry Sealed, AC Patches.							
Cracks - Longitudinal - Moderate (Paving Joints) - Sealed							
-Transverse - Moderate - 30' to 60' Spacing - 3/4" to 3" Sealed							
Weathering - Moderate, Patches - Some, Pavement damage from snow plow (2'x2')							
No Rutting, Shoving, or Ravelling						2011 PCI = 51	
Pavement Rating = Fair						2013 PCI = 41	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		D	D1	D	D1		
FWD Center Plate Deflection - 20 K Load		50-60 (56)	50-60 (56)	50-60 (56)	50-60 (56)		
Pavement Structure Remaining Life - Years		31	21	5	3		
Pavement Structure Estimate Year of Failure		2042	2032	2016	2014		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	G	Crack Repair, Seal Cracks					
2024	B	Rehabilitate - Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C9b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway A						
Station:	Taxiway B Holding Apron						
Dimensions:	370' x 230'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T3 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	0		0.35	
	AB	8	8	0		0.35	
	ASB		-				
	Subgrade	48	48	0		0.35	
	Sub-soil	S.I.	S.I.	0		0.35	
Date Constructed:	1963						
Rehabilitation Record:	Date	Type					
	1986						
Pavement Condition:	No Joints						
Severe Block Cracking - 50% has 10' block cracking, 50% has 30' block cracking)							
Slurry Seal is ravelling.							
Severe Alligator Cracking - 30% of area.							
No Rutting or Shoving. Weathering - Moderate-Severe							
2011 PCI = X							
Pavement Rating = Very Poor							
2013 PCI = 22							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index							
FWD Center Plate Deflection - 20 K Load							
Pavement Structure Remaining Life - Years							
Pavement Structure Estimate Year of Failure							
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	G	Crack Repair, Seal Cracks					
2024	B	Rehabilitate - Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:	Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.						
	FWD used was mean value for section - See FWD Graphs, Appendix B						
	For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.						

TABLE NO. C10 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway A						
Station:	2+00 to 28+00						
Dimensions:	50' x 2600'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T3 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	350		0.35	
	AB	8	8	50		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints, Slurry Sealed, AC Patches.							
Cracks - Longitudinal - Moderate (Paving Joints) - Sealed, Some in wheelpath - Sealed.							
-Transverse - Moderate - 50 cracks 50' long. Sealed							
Weathering - Moderate							
No Rutting, Shoving, or Ravelling 2011 PCI = 51							
Pavement Rating = Fair 2013 PCI = 46							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		D	D1	D	D1		
FWD Center Plate Deflection - 20 K Load		35-41 (41)	35-41 (41)	35-41 (41)	35-41 (41)		
Pavement Structure Remaining Life - Years		36	24	15	8		
Pavement Structure Estimate Year of Failure		2047	2035	2026	2019		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	G	Crack Repair, Seal Cracks					
2024	B	Rehabilitate - Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C11 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway A						
Station:	28+00 ot 38+00						
Dimensions:	50' x 1000'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T3 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	30		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition:		No Joints, Slurry Sealed, AC Patches.					
Cracks - Longitudinal - Moderate (Paving Joints) - Sealed							
-Transverse - Light to Moderate - 30' to 60' Spacing - 1" to 2" Sealed							
Weathering - Moderate. Moderate Alligator Cracking - 100'x5'							
No Rutting, Shoving, or Ravelling		2011 PCI = 51					
Pavement Rating = Poor		2013 PCI = 38					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		E	E1	E	E1		
FWD Center Plate Deflection - 20 K Load		48-56 (56)	48-56 (56)	48-56 (56)	48-56 (56)		
Pavement Structure Remaining Life - Years		21	15	4	2		
Pavement Structure Estimate Year of Failure		2032	2026	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C12 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway A						
Station:	38+00 to 46+00						
Dimensions:	50' x 800'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T2 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	30		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints, Slurry Sealed, AC Patches.							
Cracks - Longitudinal - Moderate (Paving Joints) - Sealed							
-Transverse - Moderate - 30' to 60' Spacing - 1" to 2" Sealed							
Weathering - Moderate. Light Block Cracking - Southern 12' of Taxiway							
No Shoving, or Ravelling. Some rutting in wheelpath.						2011 PCI = 51	
Pavement Rating = Fair						2013 PCI = 44	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		F	F1	F	F1		
FWD Center Plate Deflection - 20 K Load		45-56 (56)	45-56 (56)	45-56 (56)	45-56 (56)		
Pavement Structure Remaining Life - Years		18	13	4	2		
Pavement Structure Estimate Year of Failure		2029	2024	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C13 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway A						
Station:	46+00 to 50+00						
Dimensions:	50' x 400'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T2 Single Gear - 60 kips Dual Gear - 100 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	40		0.35	
	ASB		-				
	Subgrade	48	48	9		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints, Slurry Sealed, AC Patches.							
Cracks - Longitudinal - Moderate (Paving Joints) - Sealed							
-Transverse - Moderate to Severe - 30' to 60' Spacing - 1" to 2" Sealed							
Weathering - Moderate							
No Shoving, or Ravelling. Some rutting in wheelpath with alligator cracking. 2011 PCI = 51							
Pavement Rating = Poor 2013 PCI = 38							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		F	F1	F	F1		
FWD Center Plate Deflection - 20 K Load		55-65 (65)	55-65 (65)	55-65 (65)	55-65 (65)		
Pavement Structure Remaining Life - Years		9	6	0.5	0.2		
Pavement Structure Estimate Year of Failure		2020	2017	2012	2011		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C14 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway A						
Station:	50+00 to 72+00						
Dimensions:	50' x 2200'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T2 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	40		0.35	
	ASB		-				
	Subgrade	48	48	9		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963, 1971					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints, Slurry Sealed, AC Patches.							
Cracks - Longitudinal - Moderate to Severe (Paving Joints) 1" to 1.5" with depressions - Sealed							
-Transverse - Moderate - 30' to 60' Spacing - 1" to 2" Sealed							
Weathering - Moderate							
No Shoving, or Ravelling. Ruts and alligator cracking in wheelpaths. 2011 PCI = 51							
Pavement Rating = Poor 2013 PCI = 35							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		G	G1	G	G1		
FWD Center Plate Deflection - 20 K Load		45-80 (65)	45-80 (65)	45-80 (65)	45-80 (65)		
Pavement Structure Remaining Life - Years		10	7	0.6	0.3		
Pavement Structure Estimate Year of Failure		2021	2018	2012	2011		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11 at Taxiway B proceeding east.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C15a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway C						
Station:	0+00 to 0+50						
Dimensions:	50' x 50'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T3/T6 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	3	250		0.35	
	AB	8	8	40		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1995, 2012	2012 Reconstruction with Runway 11-29					
Pavement Condition:		No Grooves, joints, or cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling						2011 PCI = 60	
Pavement Rating = Excellent						2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		50-52 (52)	50-52 (52)	50-52 (52)	50-52 (52)		
Pavement Structure Remaining Life - Years		45	37	13	7		
Pavement Structure Estimate Year of Failure		2056	2048	2024	2018		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C15b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway C						
Station:	0+50 to 2+00						
Dimensions:	50' x 150'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T3/T6 Single Gear - 60 kips Dual Gear - 100 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	4	250		0.35	
	AB	8	8	40		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1995						
	2011, 2012	AC Patch Repairs					
Pavement Condition:		No Joints					
Cracks - Block - Moderate - Sealed - 20' pattern.							
Patches - Few, Transverse							
Weathering - Moderate. Alligator Cracking - Light 10'x20'							
No Rutting, Shoving, or Ravelling						2011 PCI = 60	
Pavement Rating = Fair						2013 PCI = 43	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		50-52 (52)	50-52 (52)	50-52 (52)	50-52 (52)		
Pavement Structure Remaining Life - Years		45	37	13	7		
Pavement Structure Estimate Year of Failure		2056	2048	2024	2018		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	G	Crack Repair, Seal Cracks					
2024	B	Rehabilitate - Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C16 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway C						
Station:	2+00 to 3+50 T/W to Hangar H2						
Dimensions:	50' x 150'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T3/T6 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	3	350		0.35	
	AB	8	12	60		0.35	CTB
	ASB		-				
	Subgrade	48	48	12		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1995						
	2012	Reconstruction					
Pavement Condition:		Joints - 25' sealed, no band-aid					
Slurry Sealed							
Weathering - Light.							
No Rutting, Shoving, or Ravelling						2011 PCI = 55	
Pavement Rating = Excellent						2013 PCI = 90	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		38-41 (41)	38-41 (41)	38-41 (41)	38-41 (41)		
Pavement Structure Remaining Life - Years		65	53	65	41		
Pavement Structure Estimate Year of Failure		2076	2064	2076	2052		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2020	F	Saw & Seal New Joints - Supplemental					
2026	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks:		Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C17a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway D						
Station:	0+00 to 1+20						
Dimensions:	50' x 120'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T3 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	11		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 Reconstruction with Runway 11-29					
Pavement Condition:		No Grooves, joints, or cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling						2011 PCI = 45	
Pavement Rating = Excellent						2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		42-64 (62)	42-64 (62)	42-64 (62)	42-64 (62)		
Pavement Structure Remaining Life - Years		30	25	4	2		
Pavement Structure Estimate Year of Failure		2041	2036	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks:		Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C17b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway D						
Station:	1+20 to 3+50						
Dimensions:	50' x 230'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T3 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	11		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
Pavement Condition: No Joints, Slurry Seal (ravelling).							
Cracks - Block - Moderate 30'x30' pattern - Sealed							
Alligator Cracks - Moderate 80'x5'							
Weathering - Moderate							
No Rutting, Shoving. 2011 PCI = 45							
Pavement Rating = Poor 2013 PCI = 34							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		42-64 (62)	42-64 (62)	42-64 (62)	42-64 (62)		
Pavement Structure Remaining Life - Years		30	25	4	2		
Pavement Structure Estimate Year of Failure		2041	2036	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	G	Crack Repair, Seal Cracks					
2024	B	Rehabilitate - Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C18 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway D						
Station:	1+50 to 4+50 T/W to Apron A2						
Dimensions:	50' x 300'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T3 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	350		0.35	
	AB	8	8	80		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1986						
	2012	Mill and Fill					
Pavement Condition: No Joints or cracks.							
Weathering - Light							
No Rutting, Shoving, or Ravelling 2011 PCI = 45							
Pavement Rating = Excellent 2013 PCI = 93							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		35-39 (39)	35-39 (39)	35-39 (39)	35-39 (39)		
Pavement Structure Remaining Life - Years		66	54	92	59		
Pavement Structure Estimate Year of Failure		2077	2065	2103	2070		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2025	A	Remove and Reconstruct					
2038	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C19a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway E						
Station:	0+00 to 0+80						
Dimensions:	50' x 80'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T1 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	350		0.35	
	AB	8	8	80		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 Reconstruction with Runway 11-29					
Pavement Condition:		No Grooves, joints, or cracks.					
Weathering - Light							
No Rutting, Shoving, or Ravelling						2011 PCI = 46	
Pavement Rating = Excellent						2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		31-39 (39)	31-39 (39)	31-39 (39)	31-39 (39)		
Pavement Structure Remaining Life - Years		66	54	92	59		
Pavement Structure Estimate Year of Failure		2077	2065	2103	2070		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
		To be removed, per Master Plan.					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C19b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway E						
Station:	0+80 to 2+80						
Dimensions:	50' x 200'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T1 Single Gear - 60 kips Dual Gear - 100 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	350		0.35	
	AB	8	8	80		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: Joints - 50' North of Apron - Sealed, Slurry Sealed - Ravelling							
Cracks - Block - Light to Moderate, 1" to 2" - Sealed							
AC Patches							
Weathering - Moderate							
No Rutting, Shoving. 2011 PCI = 46							
Pavement Rating = Good 2013 PCI = 57							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		31-39 (39)	31-39 (39)	31-39 (39)	31-39 (39)		
Pavement Structure Remaining Life - Years		66	54	92	59		
Pavement Structure Estimate Year of Failure		2077	2065	2103	2070		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
		To be removed, per Master Plan.					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C20a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway F						
Station:	0+00 to 0+30						
Dimensions:	50' x 30'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T2 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	11		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:	1963						
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 Reconstruction with Runway 11-29					
Pavement Condition:	No Grooves, joints, or cracks.						
Weathering - Light							
No Rutting, Shoving, or Ravelling						2011 PCI = 49	
Pavement Rating = Excellent						2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		51-63 (62)	51-63 (62)	51-63 (62)	51-63 (62)		
Pavement Structure Remaining Life - Years		30	25	4	2		
Pavement Structure Estimate Year of Failure		2041	2036	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C20b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway F						
Station:	0+30 to 3+50						
Dimensions:	50' x 320'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T2 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	11		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repair					
Pavement Condition:		No Joints, Slurry Sealed					
Cracks - Longitudinal - Moderate - Sealed							
-Transverse - Light to Moderate, 1" to 2" - Sealed							
-Block (20% of area) - Moderate - Sealed, Alligator Cracks - Moderate 20'x30'							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 49	
Pavement Rating = Poor				2013 PCI = 40			
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H		H1		H	H1
FWD Center Plate Deflection - 20 K Load		51-63 (62)		51-63 (62)		51-63 (62) 51-63 (62)	
Pavement Structure Remaining Life - Years		30		25		4 2	
Pavement Structure Estimate Year of Failure		2041		2036		2015 2013	
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C21 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway F						
Station:	3+50 to 4+50 T/W to Apron A2						
Dimensions:	50' x 100'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	350		0.35	
	AB	8	8	60		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1986						
	2012	Mill and Fill					
Pavement Condition: No Joints or cracks.							
Weathering - Light							
No Rutting, Shoving, or Ravelling 2011 PCI = 49							
Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		H	H1	H	H1		
FWD Center Plate Deflection - 20 K Load		40-42 (42)	40-42 (42)	40-42 (42)	40-42 (42)		
Pavement Structure Remaining Life - Years		59	49	57	36		
Pavement Structure Estimate Year of Failure		2070	2060	2068	2047		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2025	A	Remove and Reconstruct					
2038	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C22 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway H						
Station:	0+00 to 2+50						
Dimensions:	50' x 250'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T2 Single Gear - 60 kips Dual Gear - 100 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	9		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints, Slurry Sealed - Ravelling							
Cracks - Longitudinal - Severe - Sealed							
-Transverse - Moderate - Severe, 2" to 3" - Sealed							
-Block - Moderate - Sealed 50'x50' Triangular Section							
Weathering - Moderate-Severe				No Rutting, Shoving, or Ravelling		2011 PCI = 53	
Pavement Rating = Fair				2013 PCI = 49			
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		I	I1	I	I1		
FWD Center Plate Deflection - 20 K Load		65-72 (71)	65-72 (71)	65-72 (71)	65-72 (71)		
Pavement Structure Remaining Life - Years		32	24	1.4	0.7		
Pavement Structure Estimate Year of Failure		2043	2035	2012	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C23 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway H						
Station:	Holding Apron						
Dimensions:	220' x 330'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A2 Single Gear - 55 kips Dual Gear - 95 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	150		0.35	
	AB	8	8	20		0.35	
	ASB		-				
	Subgrade	48	48	6		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
Pavement Condition:		No Joints. Slurry Sealed - Severe Ravelling/Delamination					
Cracks - Block - Severe, 1" to 3" - Sealed		Grass growing in cracks.					
		- Alligator - Severe (30%-40% of apron)					
Weathering - Moderate to Severe							
No Rutting, Shoving		2011 PCI = 53					
		Pavement Rating = Very Poor					
		2013 PCI = 18					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		91-115 (111)	91-115 (111)	91-115 (111)	91-115 (111)		
Pavement Structure Remaining Life - Years		21	21	0.6	0.6		
Pavement Structure Estimate Year of Failure		2032	2032	2012	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C24 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway H						
Station:	Holding Apron						
Dimensions:	220' x 330'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A2 Single Gear - 55 kips Dual Gear - 95 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	35		0.35	
	ASB		-				
	Subgrade	48	48	6		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1963					
Rehabilitation Record:	Date	Type					
Pavement Condition:		No Joints. Slurry Sealed - Severe Ravelling/Delamination					
Cracks - Block - Severe, 1" to 3" - Sealed		Grass growing in cracks.					
		- Alligator - Severe (30%-40% of apron)					
Weathering - Moderate to Severe							
No Rutting, Shoving		2011 PCI = 51					
		Pavement Rating = Very Poor				2013 PCI = 18	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		62-81 (81)	62-81 (81)	62-81 (81)	62-81 (81)		
Pavement Structure Remaining Life - Years		31	31	4	4		
Pavement Structure Estimate Year of Failure		2042	2042	2015	2015		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:							
Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C25 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway U						
Station:	0+00 to 1+75						
Dimensions:	50' x 175'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		T2 Single Gear - 60 kips Dual Gear - 100 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		-				
	Subgrade	48	48	9		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1971					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition:		No Joints, Slurry Sealed					
Cracks - Block - Moderate to Severe - Sealed							
Weathering - Moderate							
No Rutting, Shoving, or Ravelling		2011 PCI = 54					
Pavement Rating = Fair		2013 PCI = 50					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		I	I1	I	I1		
FWD Center Plate Deflection - 20 K Load		60-71 (72)	60-71 (72)	60-71 (72)	60-71 (72)		
Pavement Structure Remaining Life - Years		32	24	1.4	0.7		
Pavement Structure Estimate Year of Failure		2043	2035	2012	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:							
Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C26 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Taxiway J						
Station:	0+00 to 1+75						
Dimensions:	50' x 175'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				T6 Single Gear - 75 kips Dual Gear - 120 kips			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	40		0.35	
	ASB		-				
	Subgrade	48	48	12		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1971					
Rehabilitation Record:	Date	Type					
	1986						
	2011, 2012	AC Patch Repairs					
Pavement Condition: No Joints							
Cracks - Block - Light to Moderate - Sealed							
Patches - Few (old and depressed at edges of patch)							
Weathering - Moderate							
No Rutting, Shoving, or Ravelling						2011 PCI = 51	
Pavement Rating = Fair						2013 PCI = 50	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		G	G1	G	G1		
FWD Center Plate Deflection - 20 K Load		49-58 (58)	49-58 (58)	49-58 (58)	49-58 (58)		
Pavement Structure Remaining Life - Years		16	12	2.2	1.1		
Pavement Structure Estimate Year of Failure		2027	2023	2013	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2016	B	Rehabilitate - Reconstruct					
2031	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Edge of Runway 11-29 proceeding South.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C27 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Runway 2-20				
Station:	South Blast Pad				
Dimensions:	75' x 200'				
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None		
		Thickness - inches		E ksi	
		2011	2013	2011	2013
Existing Pavement Section:	PFC				
	PCC	No Data			
	AC		0		
	AB		0		
	ASB		0		
	Subgrade		0		
	Sub-soil		0		
Date Constructed:					
Rehabilitation Record:	Date	Type			
	2011	AC Patch Repair			
	2013	Updated to Zebra Striped Markings			
Pavement Condition: Joints - 25' x 25' - Secondary Cracks and Spalling					
Cracks - Block - Light, Corner Cracks					
AC Patches - Secondary cracks at edges					
Weathering - Moderate					
No Rutting, Shoving, or Ravelling					
2011 PCI = 42					
Pavement Rating = Poor					
2013 PCI = 40					
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD	
Traffic Index		Maintenance Equipment		Maintenance Equipment	
FWD Center Plate Deflection - 20 K Load		45-70 ()	45-70 ()	45-70 ()	45-70 ()
Pavement Structure Remaining Life - Years					
Pavement Structure Estimate Year of Failure					
Recommended Rehabilitation:					
Date	Rehab. Code	Description			
2018	D	Remove AC and Reconstruct			
2022	C	Add Rock, Pulverize, Recompact + 3" AC with Runway Project			
2036	F, H	Saw & Seal New Joints, Fog Seal			
Remarks: Station based on Sta. 0 located at Runway 02 threshold and proceeding North.					
FWD used was mean value for section - See FWD Graphs, Appendix B					
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C28 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 2-20						
Station:	0+00 to 10+00						
Dimensions:	75' x 1000'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			R2A Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	12		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints, Non-Precision Marking					
Pavement Condition:		Jointed - 25' x 25' - 1/2" to 1.5" - Sealed (outer 15' of Runway 1.5" wide)					
Cracks - Corner - Few - Sealed.		Depressions at joints.					
		- Longitudinal (25' each) - Several (8 on west 1/3, 28 on center 1/3, 11 on east 1/3) - Sealed					
		- Secondary - 70% of Joints, 50% light, 50% moderate					
Weathering - Moderate-Severe		No Rutting, Shoving. Minor Ravelling				2011 PCI = 75	
		Pavement Rating = Good				2013 PCI = 65	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		I	I1	I	I1		
FWD Center Plate Deflection - 20 K Load		25-45 (41)	25-45 (41)	25-45 (41)	25-45 (41)		
Pavement Structure Remaining Life - Years		145	114	58	36		
Pavement Structure Estimate Year of Failure		2156	2125	2069	2047		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Runway 02 threshold and proceeding North.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C29 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 2-20						
Station:	10+00 to 17+00						
Dimensions:	75' x 700'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			R2 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	250		0.35	
	AB	6	6	25		0.35	
	ASB		-				
	Subgrade	48	48	8		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1965					
Rehabilitation Record:	Date	Type					
	1994, 2008	3" AC Hot In Place Recycle, '08 Reconstruct with R/W 11-29					
	2011	Reclamite					
	2013	Seal Joints, Non-Precision Marking					
Pavement Condition:		Jointed - 25' x 25' - 1/4" to 1/2" - Sealed					
No Cracking.							
Weathering - Light No Rutting, Shoving, or Ravelling 2011 PCI = 75 Pavement Rating = Very Good 2013 PCI = 75							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		I	I1	I	I1		
FWD Center Plate Deflection - 20 K Load		40-60 (55)	40-60 (55)	40-60 (55)	40-60 (55)		
Pavement Structure Remaining Life - Years		87	68	8	5		
Pavement Structure Estimate Year of Failure		2098	2079	2019	2016		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Runway 02 threshold and proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C30 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 2-20						
Station:	17+00 to 46+00						
Dimensions:	75' x 2900'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			R2 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	5	5	350		0.35	
	AB	5	5	70		0.35	
	ASB		-				
	Subgrade	48	48	11		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1965					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints, Non-Precision Marking					
Pavement Condition:		Jointed - 25' x 25' - 1/2" to 1.5" - Sealed (outer 15' of Runway 1.5" wide)					
Cracks - Corner - Few - Sealed.		Depressions at joints.					
		- Longitudinal (25' each) - Several (35 on west 1/3, 37 on center 1/3, 26 on east 1/3) - Sealed					
		- Secondary - 70% of Joints, 50% light, 50% moderate					
Weathering - Moderate-Severe		No Rutting, Shoving. Minor Ravelling				2011 PCI = 75	
		Pavement Rating = Fair				2013 PCI = 53	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		I	I1	I	I1		
FWD Center Plate Deflection - 20 K Load		30-44 (41)	30-44 (41)	30-44 (41)	30-44 (41)		
Pavement Structure Remaining Life - Years		93	73	34	20		
Pavement Structure Estimate Year of Failure		2104	2084	2045	2031		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Runway 02 threshold and proceeding North.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C31 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Runway 2-20						
Station:	North Blast Pad						
Dimensions:	75' x 200'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC	No Data					
	AC		0				
	AB		0				
	ASB		0				
	Subgrade		0				
	Sub-soil		0				
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2011	AC Patch Repair					
	2013	Updated to Zebra Striped Markings					
Pavement Condition: Joints - 25' x 25' - Secondary Cracks and Spalling							
Cracks - Block - Moderate - 1" to 3" width							
Weathering - Moderate							
No Rutting, Shoving, or Ravelling							
2011 PCI = 42							
Pavement Rating = Poor							
2013 PCI = 34							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		Maintenance Equipment			Maintenance Equipment		
FWD Center Plate Deflection - 20 K Load		50-60 ()	50-60 ()	50-60 ()	50-60 ()	50-60 ()	
Pavement Structure Remaining Life - Years							
Pavement Structure Estimate Year of Failure							
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2018	D	Remove AC and Reconstruct					
2022	C	Add Rock, Pulverize, Recompact + 3" AC with Runway Project					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Runway 02 threshold and proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C32 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway G						
Station:	0+00 to 6+00						
Dimensions:	50' x 600'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	8		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1972					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite, 2012 AC Patches					
	2013	Seal Joints					
Pavement Condition:		Jointed - 25' x 25' - 1/2" to 1" (2" at west edge, with depressions) - Sealed					
Cracks - Longitudinal - Few - Sealed, Joint 10' from West Edge.							
- Transverse - Few, Moderate (5 @ 25') - Sealed. Secondary Cracks on 50% of Joints.							
- Block - 15'x4' Moderate - Sealed.							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 77	
		Pavement Rating = Good				2013 PCI = 65	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		30-51 (51)	30-51 (51)	30-51 (51)	30-51 (51)		
Pavement Structure Remaining Life - Years		59	45	14	8		
Pavement Structure Estimate Year of Failure		2070	2056	2025	2019		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Runway 02 edge south end and proceeding North.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C33 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway G						
Station:	6+00 to 9+00						
Dimensions:	50' x 300'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	150		0.35	
	AB	6	6	20		0.35	
	ASB		-				
	Subgrade	48	48	8		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1972					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints					
Pavement Condition: Jointed - 25' x 25' - 1/2" to 1" (2" at west edge, with depressions) - Sealed							
Cracks - Longitudinal - Few - Sealed, Joint 10' from West Edge.							
- Transverse - Few, Moderate (5 @ 25') - Sealed. Secondary Cracks on 50% of Joints.							
- Corner - Few - Sealed.							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 77	
		Pavement Rating = Good				2013 PCI = 70	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		62-66 (66)	62-66 (66)	62-66 (66)	62-66 (66)		
Pavement Structure Remaining Life - Years		46	36	4	2		
Pavement Structure Estimate Year of Failure		2057	2047	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Runway 02 edge south end and proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C34 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway G						
Station:	9+00 to 15+00						
Dimensions:	50' x 600'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	12		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1972					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints					
Pavement Condition: Jointed - 25' x 25' - 3/4" to 1" (2" at west edge, with depressions) - Sealed							
Cracks - Longitudinal - Few - Sealed, Joint 10' from West Edge.							
- Transverse - Few, Moderate (5 @ 25') - Sealed. Secondary Cracks on 20% of Joints.							
- Corner - Few - Sealed. Alligator @ Apron A1a 75'x5' on west edge							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 77	
		Pavement Rating = Fair				2013 PCI = 55	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		20-39 (39)	20-39 (39)	20-39 (39)	20-39 (39)		
Pavement Structure Remaining Life - Years		97	76	76	49		
Pavement Structure Estimate Year of Failure		2108	2087	2087	2060		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Runway 02 edge south end and proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C35 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway G						
Station:	15+00 to 16+00						
Dimensions:	50' x 100'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	250		0.35	
	AB	6	6	20		0.35	
	ASB		-				
	Subgrade	48	48	8		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1972					
Rehabilitation Record:	Date	Type					
	1994, 2008	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints					
Pavement Condition: Jointed - 25' x 25' - 3/4" to 1" (2" at west edge, with depressions) - Sealed							
Cracks - Longitudinal - Few - Sealed, Joint 10' from West Edge.							
- Transverse - Few, Moderate - Sealed. Secondary Cracks on 60% of Joints.							
- Corner - Few - Sealed.							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 77	
		Pavement Rating = Good				2013 PCI = 70	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		48-51 (51)	48-51 (51)	48-51 (51)	48-51 (51)		
Pavement Structure Remaining Life - Years		59	45	14	8		
Pavement Structure Estimate Year of Failure		2070	2056	2025	2019		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Runway 02 edge south end and proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C36 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway G						
Station:	16+00 to 45+00						
Dimensions:	50' x 2900'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	5	5	350		0.35	
	AB	5	5	100		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1984					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints					
Pavement Condition:		Jointed - 25' x 25' - 3/4" to 1" (2" at west edge, with depressions) - Sealed					
Cracks - Longitudinal - Few - Sealed, Joint 10' from West Edge.							
		- Transverse - Few, Moderate (30 @ 25') - Sealed. Secondary Cracks on 60% of Joints.					
		- Corner - Few - Sealed. Alligator in 2 locations 10'x2' on west edge					
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 77	
		Pavement Rating = Good				2013 PCI = 65	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		19-30 (28)	19-30 (28)	19-30 (28)	19-30 (28)		
Pavement Structure Remaining Life - Years		122	97	359	246		
Pavement Structure Estimate Year of Failure		2133	2108	2370	2257		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Runway 02 edge south end and proceeding North.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C37 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway G						
Station:	45+00 to 48+00						
Dimensions:	50' x 300' + Runup Area						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	6	6	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	12		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1984					
Rehabilitation Record:	Date	Type					
	1994	3" AC Hot In Place Recycle					
	2011	Reclamite					
	2013	Seal Joints, AC Patch Repair					
Pavement Condition:		Jointed - 25' x 25' - 3/4" to 1" (2" at west edge, with depressions) - Sealed					
Cracks - Longitudinal - Few - Sealed, Joint 10' from West Edge.							
- Transverse - Few, Moderate (7 @ 25') - Sealed.							
AC Patches - 500 sq. ft. in Runup area (500' x 1')							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 77	
Pavement Rating = Good						2013 PCI = 65	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		28-40 (39)	28-40 (39)	28-40 (39)	28-40 (39)		
Pavement Structure Remaining Life - Years		97	76	76	49		
Pavement Structure Estimate Year of Failure		2108	2087	2087	2060		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		Station based on Sta. 0 located at Runway 02 edge south end and proceeding North.					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C38 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway P						
Station:	0+00 to 1+15						
Dimensions:	50' x 115'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	6		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2011	Reclamite					
	2013	Seal Joints					
Pavement Condition: Jointed - 25' x 25' - 1" to 3" - Sealed, Depressed at Joints							
Cracks - Secondary at Joints - Moderate.							
- Corner - Few							
Weathering - Moderate No Rutting, Shoving, or Ravelling 2011 PCI = 80							
Pavement Rating = Good 2013 PCI = 70							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		52-59 (58)	52-59 (58)	52-59 (58)	52-59 (58)		
Pavement Structure Remaining Life - Years		25	18	4	2		
Pavement Structure Estimate Year of Failure		2036	2029	2015	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Runway 02 edge and proceeding West.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C39 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway V						
Station:	0+00 to 1+15						
Dimensions:	50' x 115'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4 Single Gear - 60 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	100		0.35	
	AB	6	6	20		0.35	
	ASB		-				
	Subgrade	48	48	7		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2011	Reclamite					
	2013	Seal Joints					
Pavement Condition: Jointed - 25' x 25' - 1" to 3" - Sealed, Depression at Joints.							
Cracks - Secondary at Joints (light)							
Weathering - Moderate		No Rutting, Shoving, or Ravelling				2011 PCI = 80	
		Pavement Rating = Good				2013 PCI = 70	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		J	J1	J	J1		
FWD Center Plate Deflection - 20 K Load		77-80 (80)	77-80 (80)	77-80 (80)	77-80 (80)		
Pavement Structure Remaining Life - Years		21	15	0.9	0.4		
Pavement Structure Estimate Year of Failure		2032	2026	2012	2011		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at Taxiway G edge and proceeding East.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C40 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Taxiway Q						
Station:	Row a & b						
Dimensions:	100' x 50'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4/A5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1999						
	2013	Seal Joints					
Pavement Condition:		Jointed - 25' x 25' - 1" to 2" - Moderate Secondary Cracks at Joints - Sealed					
Cracks - Longitudinal - Few - Sealed		Transverse - Few - Sealed					
Weathering - Moderate		Ravelling - Minor		No Rutting or Shoving		2011 PCI = 80	
		Pavement Rating = Good				2013 PCI = 70	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		K	K1	K	K1		
FWD Center Plate Deflection - 20 K Load		<55 (55)	<55 (55)	<55 (55)	<55 (55)		
Pavement Structure Remaining Life - Years		46	46	21	21		
Pavement Structure Estimate Year of Failure		2057	2057	2032	2032		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	F, H	Saw & Seal New Joints - Supplemental, Reclamite					
2022	C	Add Rock, Pulverize, Recompact + 3" AC					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks:		See FWD Test Data Summary for Test Locations					
		FWD used was mean value for section - See FWD Graphs, Appendix B					
		For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.					

TABLE NO. C41a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A1a						
Station:	Row a & b						
Dimensions:	200' x 500' (Entire Apron A1a)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			T4/A5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill 1.5" AC					
Pavement Condition:		No Joints on Surface					
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
Weathering - Light		No Ravelling, Rutting or Shoving				2011 PCI = 45	
		Pavement Rating = Excellent				2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		K	K1	K	K1		
FWD Center Plate Deflection - 20 K Load		<55 (55)	<55 (55)	<55 (55)	<55 (55)		
Pavement Structure Remaining Life - Years		46	46	21	21		
Pavement Structure Estimate Year of Failure		2057	2057	2032	2032		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2023	A	Remove and Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C41b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A1a						
Station:	Row a & b						
Dimensions:	200' x 500' (Entire Apron A1a)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			A5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill 1.5" AC					
Pavement Condition:		No Joints on Surface					
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
Weathering - Light		No Ravelling, Rutting or Shoving				2011 PCI = 45	
		Pavement Rating = Excellent				2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		K	K1	K	K1		
FWD Center Plate Deflection - 20 K Load		55 - 70 (70)	55 - 70 (70)	55 - 70 (70)	55 - 70 (70)		
Pavement Structure Remaining Life - Years		24	24	2	2		
Pavement Structure Estimate Year of Failure		2035	2035	2013	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2023	A	Remove and Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

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TABLE NO. C42 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A1						
Station:	Row a & b						
Dimensions:	200' x 650' (Entire Apron A1)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			A5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill 1.5" AC					
Pavement Condition:		No Joints on Surface					
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
Weathering - Light		No Ravelling, Rutting or Shoving				2011 PCI = 45	
		Pavement Rating = Excellent				2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		L	L1	L	L1		
FWD Center Plate Deflection - 20 K Load		<40 (40)	<40 (40)	<40 (40)	<40 (40)		
Pavement Structure Remaining Life - Years		39	29	15	8		
Pavement Structure Estimate Year of Failure		2050	2040	2026	2019		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2023	A	Remove and Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C43 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A1						
Station:	Row a & b						
Dimensions:	200' x 650' (Entire Apron A1)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A5 Single Gear - 30 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill 1.5" AC					
Pavement Condition:		No Joints on Surface					
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
Weathering - Light		No Ravelling, Rutting or Shoving				2011 PCI = 45	
		Pavement Rating = Excellent				2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		L	L1	L	L1		
FWD Center Plate Deflection - 20 K Load		40 - 55 (55)	40 - 55 (55)	40 - 55 (55)	40 - 55 (55)		
Pavement Structure Remaining Life - Years		23	16	1.5	0.8		
Pavement Structure Estimate Year of Failure		2034	2027	2013	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2023	A	Remove and Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C44 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A1						
Station:	Row a & b						
Dimensions:	200' x 650' (Entire Apron A1)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			A5 Single Gear - 30 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1973					
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill 1.5" AC					
Pavement Condition:		No Joints on Surface					
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
Weathering - Light		No Ravelling, Rutting or Shoving				2011 PCI = 45	
		Pavement Rating = Excellent				2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		L	L1	L	L1		
FWD Center Plate Deflection - 20 K Load		55 - 70 (70)	55 - 70 (70)	55 - 70 (70)	55 - 70 (70)		
Pavement Structure Remaining Life - Years		11	8	0.1	0.1		
Pavement Structure Estimate Year of Failure		2022	2019	2011	2011		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2023	A	Remove and Reconstruct					
2036	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C45 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A2						
Station:	Row a & b						
Dimensions:	200' x 950' (Entire Apron A2)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A1-A4 Single Gear - 55 kips Dual Gear - 95 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	100		0.35	
	ASB		-				
	Subgrade	48	48	25		0.35	
	Sub-soil	S.I.	S.I.	30		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2011	Sealed with Reclamite					
	2012, 2013	1.5" AC Mill & Fill-East 1/2 in 2013, 2" AC-West 1/2 in 2012					
Pavement Condition: No Joints on Surface							
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
1200 sq. ft. of profile grinding on west 1/2, fog sealed.							
Existing Tie Downs exist beneath AC surface on West 1/2.							
Weathering - Light No Rutting, Ravelling, or Shoving						2011 PCI = 43	
Pavement Rating = Excellent						2013 PCI = 90	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		M	M1	M	M1		
FWD Center Plate Deflection - 20 K Load		<32 (32)	<32 (32)	<32 (32)	<32 (32)		
Pavement Structure Remaining Life - Years		44	31	38	23		
Pavement Structure Estimate Year of Failure		2055	2042	2049	2034		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2025	A	Remove and Reconstruct					
2038	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C46 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A2						
Station:	Row a & b						
Dimensions:	200' x 950' (Entire Apron A2)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A1-A4 Single Gear - 55 kips Dual Gear - 95 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2011	Sealed with Reclamite					
	2012, 2013	1.5" AC Mill & Fill-East 1/2 in 2013, 2" AC-West 1/2 in 2012					
Pavement Condition: No Joints on Surface							
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
1200 sq. ft. of profile grinding on west 1/2, fog sealed.							
Existing Tie Downs exist beneath AC surface on West 1/2.							
Weathering - Light No Rutting, Ravelling, or Shoving						2011 PCI = 43	
Pavement Rating = Excellent						2013 PCI = 90	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		M	M1	M	M1		
FWD Center Plate Deflection - 20 K Load		32 - 40 (40)	32 - 40 (40)	32 - 40 (40)	32 - 40 (40)		
Pavement Structure Remaining Life - Years		28	19	8	4		
Pavement Structure Estimate Year of Failure		2039	2030	2019	2015		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2025	A	Remove and Reconstruct					
2038	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C47 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A2						
Station:	Row a & b						
Dimensions:	200' x 950' (Entire Apron A2)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A1-A4 Single Gear - 55 kips Dual Gear - 95 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3-4	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2011	Sealed with Reclamite					
	2012, 2013	1.5" AC Mill & Fill-East 1/2 in 2013, 2" AC-West 1/2 in 2012					
Pavement Condition: No Joints on Surface							
25' Joints in underlying 1.5" of AC, surface is discolored at joints.							
1200 sq. ft. of profile grinding on west 1/2, fog sealed.							
Existing Tie Downs exist beneath AC surface on West 1/2.							
Weathering - Light No Rutting, Ravelling, or Shoving						2011 PCI = 43	
Pavement Rating = Excellent						2013 PCI = 90	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		M	M1	M	M1		
FWD Center Plate Deflection - 20 K Load		40 - 55 (55)	40 - 55 (55)	40 - 55 (55)	40 - 55 (55)		
Pavement Structure Remaining Life - Years		16	11	0.7	0.4		
Pavement Structure Estimate Year of Failure		2027	2022	2012	2011		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2025	A	Remove and Reconstruct					
2038	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C48 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A3						
Station:	Row a, b, n, o						
Dimensions:	200' x 1000' (Entire Apron A3)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	2-3	250		0.35	
	AB	6	6	100		0.35	
	ASB		-				
	Subgrade	48	48	25		0.35	
	Sub-soil	S.I.	S.I.	30		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill - 2" AC					
Pavement Condition: No Joints on Surface, 25' Joints in underlying 1" of AC, surface discolored @ joints. Center portion of apron (100' x 900'), AC surface delaminated during mill and fill. Delaminated AC was removed and 2" of AC was placed on top of existing AB / grindings mix.							
Weathering - Light No Ravelling, Rutting or Shoving 2011 PCI = 40 Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		<32 (32)	<32 (32)	<32 (32)	<32 (32)		
Pavement Structure Remaining Life - Years		112	112	587	587		
Pavement Structure Estimate Year of Failure		2123	2123	2598	2598		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2021	D	Remove AC and Reconstruct					
2034	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations FWD used was mean value for section - See FWD Graphs, Appendix B For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C49 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A3						
Station:	Row a, b, n, o						
Dimensions:	200' x 1000' (Entire Apron A3)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	2-3	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill - 2" AC					
Pavement Condition: No Joints on Surface, 25' Joints in underlying 1" of AC, surface discolored @ joints. Center portion of apron (100' x 900'), AC surface delaminated during mill and fill. Delaminated AC was removed and 2" of AC was placed on top of existing AB / grindings mix.							
Weathering - Light No Ravelling, Rutting or Shoving 2011 PCI = 40 Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		32 - 40 (40)	32 - 40 (40)	32 - 40 (40)	32 - 40 (40)		
Pavement Structure Remaining Life - Years		75	75	114	114		
Pavement Structure Estimate Year of Failure		2086	2086	2125	2125		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2021	D	Remove AC and Reconstruct					
2034	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations FWD used was mean value for section - See FWD Graphs, Appendix B For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C50 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A3						
Station:	Row a, b, n, o						
Dimensions:	200' x 1000' (Entire Apron A3)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	2-3	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:		Date	Type				
		1999					
		2013	Mill and Fill - 2" AC				
Pavement Condition: No Joints on Surface, 25' Joints in underlying 1" of AC, surface discolored @ joints. Center portion of apron (100' x 900'), AC surface delaminated during mill and fill. Delaminated AC was removed and 2" of AC was placed on top of existing AB / grindings mix.							
Weathering - Light No Ravelling, Rutting or Shoving 2011 PCI = 40 Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		40 - 55 (55)	40 - 55 (55)	40 - 55 (55)	40 - 55 (55)		
Pavement Structure Remaining Life - Years		46	46	21	21		
Pavement Structure Estimate Year of Failure		2057	2057	2032	2032		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2021	D	Remove AC and Reconstruct					
2034	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C51 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A3						
Station:	Row a, b, n, o						
Dimensions:	200' x 1000' (Entire Apron A3)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	2-3	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2013	Mill and Fill - 2" AC					
Pavement Condition: No Joints on Surface, 25' Joints in underlying 1" of AC, surface discolored @ joints. Center portion of apron (100' x 900'), AC surface delaminated during mill and fill. Delaminated AC was removed and 2" of AC was placed on top of existing AB / grindings mix.							
Weathering - Light No Ravelling, Rutting or Shoving 2011 PCI = 40 Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		55 - 70 (70)	55 - 70 (70)	55 - 70 (70)	55 - 70 (70)		
Pavement Structure Remaining Life - Years		24	24	2	2		
Pavement Structure Estimate Year of Failure		2035	2035	2013	2013		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2021	D	Remove AC and Reconstruct					
2034	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations FWD used was mean value for section - See FWD Graphs, Appendix B For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C52 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A4						
Station:	Row n, o						
Dimensions:	300' x 1000' (Entire Apron A4)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A7 Single Gear - 30 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1965					
Rehabilitation Record:	Date	Type					
	1999						
Pavement Condition: Jointed - 25' x 25' - 0.5" to 2" - Moderate Secondary Cracks at Joints - Sealed Slurry Seal Ravelling/Delaminating. Moderate-Severe Block Cracking - 80% Apron. Moderate Alligator Cracking - 50% Apron. Corner Cracks - 90% of corners cracked. (Pavement Around Fuel Island not included in this description, new construction)							
Weathering - Severe		Ravelling - Moderate.		No Rutting or Shoving		2011 PCI = 37	
Pavement Rating = Very Poor				2013 PCI = 23			
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		<40 (40)	<40 (40)	<40 (40)	<40 (40)		
Pavement Structure Remaining Life - Years		75	75	114	114		
Pavement Structure Estimate Year of Failure		2086	2086	2125	2125		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2014	D	Remove AC and Reconstruct					
2028	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C53 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A4						
Station:	Row n, o						
Dimensions:	300' x 1000' (Entire Apron A4)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A7 Single Gear - 30 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	40		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1965					
Rehabilitation Record:	Date	Type					
	1999						
Pavement Condition: Jointed - 25' x 25' - 0.5" to 2" - Moderate Secondary Cracks at Joints - Sealed Slurry Seal Ravelling/Delaminating. Moderate-Severe Block Cracking - 80% Apron. Moderate Alligator Cracking - 50% Apron. Corner Cracks - 90% of corners cracked. (Pavement Around Fuel Island not included in this description, new construction)							
Weathering - Severe		Ravelling - Moderate.		No Rutting or Shoving		2011 PCI = 37	
Pavement Rating = Very Poor						2013 PCI = 23	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		40 - 55 (55)	40 - 55 (55)	40 - 55 (55)	40 - 55 (55)		
Pavement Structure Remaining Life - Years		46	46	21	21		
Pavement Structure Estimate Year of Failure		2057	2057	2032	2032		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2014	D	Remove AC and Reconstruct					
2028	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C54 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Apron A4						
Station:	Row n, o						
Dimensions:	300' x 1000' (Entire Apron A4)						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A7 Single Gear - 30 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	23		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:		1965					
Rehabilitation Record:	Date	Type					
	1999						
Pavement Condition: Jointed - 25' x 25' - 0.5" to 2" - Moderate Secondary Cracks at Joints - Sealed							
Slurry Seal Ravelling/Delaminating. Moderate-Severe Block Cracking - 80% Apron.							
Moderate Alligator Cracking - 50% Apron. Corner Cracks - 90% of corners cracked.							
(Pavement Around Fuel Island not included in this description, new construction)							
Weathering - Severe		Ravelling - Moderate.		No Rutting or Shoving		2011 PCI = 37	
Pavement Rating = Very Poor				2013 PCI = 23			
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		N	N1	N	N1		
FWD Center Plate Deflection - 20 K Load		56 - 65 (65)	56 - 65 (65)	56 - 65 (65)	56 - 65 (65)		
Pavement Structure Remaining Life - Years		39	39	13	13		
Pavement Structure Estimate Year of Failure		2050	2050	2024	2024		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2014	D	Remove AC and Reconstruct					
2028	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C55 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	South Jet Apron						
Station:	Taxilane R Sta. 16+00 - 20+00						
Dimensions:	160' x 540'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			A8 Single Gear - 70 kips				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	4	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1991						
Pavement Condition: No Joints, Slurry Seal							
Cracks - Block Cracking - Moderate-Severe - 10' to 25' pattern.							
- Alligator Cracking - Moderate- 20% of Apron							
Weathering - Moderate No Rutting, Shoving, or Ravelling 2011 PCI = 55							
Pavement Rating = Poor 2013 PCI = 30							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		Q	Q1	Q	Q1		
FWD Center Plate Deflection - 20 K Load		50-60 (60)	50-60 (60)	50-60 (60)	50-60 (60)		
Pavement Structure Remaining Life - Years		10	7	0.8	0.4		
Pavement Structure Estimate Year of Failure		2021	2018	2012	2011		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	D	Remove AC and Reconstruct					
2028	F, H	Saw & Seal New Joints, Fog Seal					
Remarks: See FWD Test Data Summary for Test Locations							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C56 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Taxilane R						
Dimensions:	65' x 1250'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		0				
	Subgrade	48	48	11		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1994						
	2011, 2012	AC Patch Repair					
Pavement Condition: No Joints, Slurry Sealed							
Cracks - Transverse - Moderate (40 @ 25') Several 12" to 18" wide Patches							
- Longitudinal - Few Block Cracks - 50'x1'							
Jetway to Apron A1/A2 has Alligator Cracking on 50% of the area.							
Weathering - Light No Rutting, Ravelling, or Shoving 2011 PCI = 59							
Pavement Rating = Fair 2013 PCI = 45							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		O	O1	O	O1		
FWD Center Plate Deflection - 20 K Load		50-62 (62)	50-62 (62)	50-62 (62)	50-62 (62)		
Pavement Structure Remaining Life - Years		52	47	27	23		
Pavement Structure Estimate Year of Failure		2063	2058	2038	2034		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	A	Reconstruct					
Remarks: Station based on Sta. 0 located at Taxiway G edge and proceeding West.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C57 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Taxilane R						
Dimensions:	65' x 1250'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	8	8	30		0.35	
	ASB		0				
	Subgrade	48	48	9		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1994						
	2011, 2012	AC Patch Repair					
Pavement Condition: No Joints, Slurry Sealed							
Cracks - Transverse - Moderate (40 @ 25') Several 12" to 18" wide Patches							
- Longitudinal - Few Block Cracks - 50'x1'							
Jetway to Apron A1/A2 has Alligator Cracking on 50% of the area.							
Weathering - Light No Rutting, Ravelling, or Shoving 2011 PCI = 59							
Pavement Rating = Fair 2013 PCI = 45							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		O	O1	O	O1		
FWD Center Plate Deflection - 20 K Load		65-72 (71)	65-72 (71)	65-72 (71)	65-72 (71)		
Pavement Structure Remaining Life - Years		41	36	12	11		
Pavement Structure Estimate Year of Failure		2052	2047	2023	2022		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2019	A	Reconstruct					
Remarks: Station based on Sta. 0 located at Taxiway G edge and proceeding West.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C58 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row West A - Taxilane West of Hangar A						
Dimensions:	75' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2001						
	2013	Add Supplemental Joints, Rehab Exist. Joints. (Tape)					
Pavement Condition: Jointed 12.5'x12.5' - 1" & 3/8" - Some Secondary Cracking - Sealed							
Cracks - 8 corner cracks in AC at Concrete Slot Drain.							
Slurry Sealed							
Weathering - Light							
No Rutting, Shoving or Ravelling. 2011 PCI = 75							
Pavement Rating = Very Good 2013 PCI = 73							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		42-81 (70)	42-81 (70)	42-81 (70)	42-81 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2018	G	Crack Repair, Seal Cracks and Joints					
2024	G, H	Crack Repair, Seal Cracks and Joints, Fog Seal					
2030	D	Remove AC and Reconstruct					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C59 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Hangars A-H						
Station:	Row East A - Taxilane East of Hangar A						
Dimensions:	60' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				None			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	20		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2001						
	2013	Add Supplemental Joints, Rehab Exist. Joints. (Tape)					
Pavement Condition: Jointed 12.5'x12.5' - 1" & 3/8" - Some Secondary Cracking - Sealed							
Cracks - Long. Crack Approx 4" from edge of pavement alongside ditch.							
Slurry Sealed							
Weathering - Light							
No Rutting, Shoving or Ravelling.							
						2011 PCI = 75	
Pavement Rating = Very Good						2013 PCI = 73	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		70-92 (80)	70-92 (80)	70-92 (80)	70-92 (80)		
Pavement Structure Remaining Life - Years		24	24	4	4		
Pavement Structure Estimate Year of Failure		2035	2035	2015	2015		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2018	G	Crack Repair, Seal Cracks and Joints					
2024	G, H	Crack Repair, Seal Cracks and Joints, Fog Seal					
2030	D	Remove AC and Reconstruct					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C60 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row West B - Taxilane West of Hangar B						
Dimensions:	60' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2001						
	2013	Add Supplemental Joints, Rehab Exist. Joints. (Tape)					
Pavement Condition: Jointed 12.5'x12.5' - 1" & 3/8" - Some Secondary Cracking - Sealed							
Cracks - Long. Crack Approx 4" from edge of pavement alongside ditch.							
Slurry Sealed							
Weathering - Light							
No Rutting, Shoving or Ravelling. 2011 PCI = 63							
Pavement Rating = Good 2013 PCI = 70							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		58-81 (70)	58-81 (70)	58-81 (70)	58-81 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2018	G	Crack Repair, Seal Cracks and Joints					
2024	G, H	Crack Repair, Seal Cracks and Joints, Fog Seal					
2030	D	Remove AC and Reconstruct					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C61 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row BC - Taxilane Between Hangars B & C						
Dimensions:	75' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2013	Add Supplemental Joints, Rehab Exist. Joints. (Tape)					
Pavement Condition: Jointed 12.5'x12.5' - 1" & 3/8" - Some Secondary Cracking - Sealed							
Cracks - 20 corner cracks in AC at Concrete Slot Drain. 100' Long. Cracks @ Slot Drain							
Slurry Sealed - Scraped off by plows. Block Cracks - 3'x2' area.							
Weathering - Light							
No Rutting, Shoving or Ravelling. 2011 PCI = 63							
Pavement Rating = Good 2013 PCI = 65							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		39-75 (70)	39-75 (70)	39-75 (70)	39-75 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2018	G	Crack Repair, Seal Cracks and Joints					
2024	G, H	Crack Repair, Seal Cracks and Joints, Fog Seal					
2030	D	Remove AC and Reconstruct					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C62 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row CD - Taxilane Between Hangars C & D						
Dimensions:	75' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2012	AC Patch Repair					
Pavement Condition: No Joints. Concrete Slot Drain.							
Cracks - Approx. 700' of Light-Moderate Long. Cracking							
Patches - Several Grooved AC along east side Hangar C (2'x20' @ 5' O.C.)							
Weathering - Light to Moderate							
No Rutting, Shoving or Ravelling. 2011 PCI = 61							
Pavement Rating = Good 2013 PCI = 57							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		55-90 (70)	55-90 (70)	55-90 (70)	55-90 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2017	D	Remove AC and Reconstruct					
2028	F	Saw & Seal New Joints					
2033	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C63a - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Hangars A-H						
Station:	Row DE (West) - Taxilane Between Hangars D & E						
Dimensions:	37.5' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				None			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	30		0.35	Cement Treated
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1982, 2012	2012, Remove and Replace AC on top of Existing CTB					
Pavement Condition: No Joints. Concrete Slot Drain.							
Weathering - Light							
No Ravelling, Rutting or Shoving.						2011 PCI = 57	
Pavement Rating = Excellent						2013 PCI = 95	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		40-60 (60)	40-60 (60)	40-60 (60)	40-60 (60)		
Pavement Structure Remaining Life - Years		47	47	35	35		
Pavement Structure Estimate Year of Failure		2058	2058	2046	2046		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C63b - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Hangars A-H						
Station:	Row DE (East) - Taxilane Between Hangars D & E						
Dimensions:	37.5' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				None			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1982						
	2011, 2012	AC Patch Repair					
Pavement Condition: No Joints. Concrete Slot Drain.							
Cracks - Longitudinal and Transverse - Moderate-Severe (28@25', 2@500')							
Seal Coat - Ravelling							
Weathering - Moderate							
No Rutting or Shoving.							
2011 PCI = 57							
Pavement Rating = Fair							
2013 PCI = 52							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		40-60 (60)	40-60 (60)	40-60 (60)	40-60 (60)		
Pavement Structure Remaining Life - Years		47	47	35	35		
Pavement Structure Estimate Year of Failure		2058	2058	2046	2046		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2017	D	Remove AC and Reconstruct					
2028	F	Saw & Seal New Joints					
2033	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C64 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row EF - Taxilane Between Hangars E & F						
Dimensions:	75' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6-18	70		0.35	
	ASB		-				
	Subgrade	48	48	20		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1982, 2012	2012 Remove AC & Reconstruct					
Pavement Condition: No Joints. Concrete Slot Drain.							
Cracks - None							
Soft spots on South end dug out 18-24" and baserock placed in this area.							
Weathering - Light							
No Ravelling, Rutting or Shoving. 2011 PCI = 84							
Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		40-75 (70)	40-75 (70)	40-75 (70)	40-75 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C65 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row East F - Taxilane East of Hangar F						
Dimensions:	60' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6-18	30		0.35	
	ASB		-				
	Subgrade	48	48	15		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1986, 2012	2012 Remove AC & Reconstruct					
Pavement Condition: No Joints.							
Cracks - None							
Soft spots on South end dug out 18-24" and baserock placed in this area.							
Weathering - Light							
No Ravelling, Rutting or Shoving. 2011 PCI = 81							
Pavement Rating = Excellent 2013 PCI = 95							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		40-58 (60)	40-58 (60)	40-58 (60)	40-58 (60)		
Pavement Structure Remaining Life - Years		47	47	35	35		
Pavement Structure Estimate Year of Failure		2058	2058	2046	2046		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2026	F, H	Saw & Seal New Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C66 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE							
Airport:	Truckee-Tahoe Airport				Date of Survey:	May 5 & 6, 2011 October 2013 Update	
Element:	Hangars A-H						
Station:	Row West G - Taxilane West of Hangar G						
Dimensions:	60' x 560'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):				None			
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	20		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1986						
	2012	AC Patch Repair					
Pavement Condition: No Joints.							
Cracks - Longitudinal and Transverse - Some - Moderate. (15@25')							
Seal Coat - Slurry Sealed							
Patches - Several 12"-18" Patches							
Weathering - Moderate				No Rutting, Shoving, or Ravelling.		2011 PCI = 58	
				Pavement Rating = Fair		2013 PCI = 50	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		58-80 (80)	58-80 (80)	58-80 (80)	58-80 (80)		
Pavement Structure Remaining Life - Years		24	24	4	4		
Pavement Structure Estimate Year of Failure		2035	2035	2015	2015		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	D	Remove AC and Reconstruct					
2027	F	Saw & Seal New Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C67 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars A-H						
Station:	Row GH - Taxilane Between Hangars G & H (Jet Row)						
Dimensions:	100' x 700'						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	1999						
	2012	AC Patch Repair					
Pavement Condition: No Joints. Flush Drain in AC - Failing (no concrete around it).							
Cracks - Block - Moderate to Severe. Alligator/Block Cracking @ Trench Drain (2'x500' and 2'x450')							
East 1/2 has more severe block cracking than west 1/2. Trench Drain raised above AC, bent from plow.							
Patches - Many crack patches Slurry Sealed - scraped off by plows.							
Weathering - Moderate No Rutting, Shoving, or Ravelling. 2011 PCI = 55							
Pavement Rating = Poor 2013 PCI = 38							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		O	O1	O	O1		
FWD Center Plate Deflection - 20 K Load		50-72 (70)	50-72 (70)	50-72 (70)	50-72 (70)		
Pavement Structure Remaining Life - Years		24	21	5	4		
Pavement Structure Estimate Year of Failure		2035	2032	2016	2015		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	D	Remove AC and Reconstruct					
2027	F	Saw & Seal New Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C68 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars J-K						
Station:	Row East J - Hangars J & K						
Dimensions:	320' x 430' - Total Hangar H2 Area						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	12	12	30		0.35	Cement Treated
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2012	Reconstruction (Atkins Engineering Job)					
Pavement Condition: 25' Joints (1/4" wide, no bandaid)							
No Cracking. Concrete Flush Gutters.							
Mild Depressions (bird baths from paving operations)							
Snow Plow scrapes on surface.							
Weathering - Light		No Rutting, Shoving, or Ravelling.				2011 PCI = 35	
Pavement Rating = Excellent				2013 PCI = 90			
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		57-70 (70)	57-70 (70)	57-70 (70)	57-70 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2020	F	Saw & Seal New Joints - Supplemental					
2026	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C69 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars J-K						
Station:	Row JK - Hangars J & K						
Dimensions:	320' x 430' - Total Hangar H2 Area						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	12	12	20		0.35	Cement Treated
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2012	Reconstruction (Atkins Engineering Job)					
Pavement Condition: 25' Joints (1/4" wide, no bandaid)							
No Cracking. Concrete Flush Gutters.							
Mild Depressions (bird baths from paving operations)							
Snow Plow scrapes on surface.							
Weathering - Light		No Rutting, Shoving, or Ravelling.				2011 PCI = 35	
Pavement Rating = Excellent				2013 PCI = 90			
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		70-80 (80)	70-80 (80)	70-80 (80)	70-80 (80)		
Pavement Structure Remaining Life - Years		24	24	4	4		
Pavement Structure Estimate Year of Failure		2035	2035	2015	2015		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2020	F	Saw & Seal New Joints - Supplemental					
2026	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C70 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars J-K						
Station:	Row West K - Hangars J & K						
Dimensions:	320' x 430' - Total Hangar H2 Area						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):		A6 Single Gear - 40 kips Dual Gear - 65 kips					
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	12	12	20		0.35	Cement Treated
	ASB		-				
	Subgrade	48	48	8		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:							
Rehabilitation Record:	Date	Type					
	2012	Reconstruction (Atkins Engineering Job)					
Pavement Condition: 25' Joints (1/4" wide, no bandaid)							
No Cracking. Concrete Flush Gutters.							
Mild Depressions (bird baths from paving operations)							
Snow Plow scrapes on surface.							
Weathering - Light No Rutting, Shoving, or Ravelling. 2011 PCI = 35							
Pavement Rating = Excellent 2013 PCI = 90							
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		80-90 (90)	80-90 (90)	80-90 (90)	80-90 (90)		
Pavement Structure Remaining Life - Years		17	17	1.2	1.2		
Pavement Structure Estimate Year of Failure		2028	2028	2012	2012		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2020	F	Saw & Seal New Joints - Supplemental					
2026	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal					
2031	G	Crack Repair, Seal Cracks & Joints					
Remarks: Station based on Sta. 0 located at South End of the Hangar Row proceeding North.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C71 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars L-M						
Station:	Taxilane T - West Hangars and Warehouse Taxilane						
Dimensions:	Varies throughout Area						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	4	4	250		0.35	
	AB	10	10	40		0.35	
	ASB		-				
	Subgrade	48	48	12		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:	2004						
Rehabilitation Record:	Date	Type					
	2013	Add Supplemental Joints, Rehab Exist. Joints. (Tape)					
Pavement Condition:	Jointed 12.5' to 15' - 1"-3" & 3/8" - Some Secondary Cracking - Sealed						
Cracks - None.							
AC Patch (1 @ 30'x1') @ Centerline of Taxilane T @ Taxiway A							
Weathering - Light	No Rutting, Shoving, or Ravelling.					2011 PCI = 83	
	Pavement Rating = Very Good					2013 PCI = 77	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis			FAA - FAARFIELD		
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		20-49 (45)	20-49 (45)	20-49 (45)	20-49 (45)		
Pavement Structure Remaining Life - Years		157	157	345	345		
Pavement Structure Estimate Year of Failure		2168	2168	2356	2356		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	H	Reclamite					
2018	G	Crack Repair, Seal Cracks & Joints, Fog Seal					
2023	G	Crack Repair, Seal Cracks & Joints					
2028	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal					
Remarks: Station based on Sta. 0 located at South Edge of Taxiway A.							
FWD used was mean value for section - See FWD Graphs, Appendix B							
For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.							

TABLE NO. C72 - PAVEMENT CONDITION SURVEY AND REHABILITATION SCHEDULE

Airport:	Truckee-Tahoe Airport		Date of Survey:	May 5 & 6, 2011 October 2013 Update			
Element:	Hangars L-M						
Station:	Taxilane T - West Hangars and Warehouse Taxilane						
Dimensions:	Varies throughout Area						
FAA Pavement Strength Survey - Element Identification (Form 5335-1):			None				
		Thickness - inches		E ksi		μ	Remarks
		2011	2013	2011	2013		
Existing Pavement Section:	PFC						
	PCC						
	AC	3	3	250		0.35	
	AB	6	6	30		0.35	
	ASB		-				
	Subgrade	48	48	10		0.35	
	Sub-soil	S.I.	S.I.	25		0.35	
Date Constructed:	2004						
Rehabilitation Record:	Date	Type					
	2013	Add Supplemental Joints, Rehab Exist. Joints. (Tape)					
Pavement Condition:	Jointed 12.5' to 15' - 1"-3" & 3/8" - Some Secondary Cracking - Sealed						
Cracks - None.							
AC Patch (1 @ 30'x1') @ Centerline of Taxilane T @ Taxiway A							
Weathering - Light	No Rutting, Shoving, or Ravelling.					2011 PCI = 83	
	Pavement Rating = Very Good					2013 PCI = 77	
2011 Pavement Remaining Life Analysis		Brandley - Fatigue Analysis		FAA - FAARFIELD			
Traffic Index		P	P1	P	P1		
FWD Center Plate Deflection - 20 K Load		50-75 (70)	50-75 (70)	50-75 (70)	50-75 (70)		
Pavement Structure Remaining Life - Years		28	28	6	6		
Pavement Structure Estimate Year of Failure		2039	2039	2017	2017		
Recommended Rehabilitation:							
Date	Rehab. Code	Description					
2015	H	Reclamite					
2018	G	Crack Repair, Seal Cracks & Joints, Fog Seal					
2023	G	Crack Repair, Seal Cracks & Joints					
2028	G, H	Crack Repair, Seal Cracks & Joints, Fog Seal					
Remarks:	Station based on Sta. 0 located at South Edge of Taxiway A.						
	FWD used was mean value for section - See FWD Graphs, Appendix B						
	For Traffic Index see Appendix D. For Rehabilitation Code see Tables 3-1 & 3-3.						

**TRUCKEE TAHOE AIRPORT
PAVEMENT EVALUATION STUDY
PAVEMENT MAINTENANCE/MANAGEMENT PLAN**

**Appendix D
Traffic Summary**

This Appendix summarizes the design characteristics of all the aircraft that are currently utilizing the airport. It also provides existing aircraft operations by type, as well as the number of annual operations currently operating at the airport.

The total annual coverages of each general type aircraft group for each area have been calculated as "Traffic Indexes" and are included in Table No. D3. The traffic designated for each Traffic Index is the traffic that was used to calculate deep-seated distresses in the pavement sections and to calculate the predicted remaining life of each pavement section.

Since the business jet traffic at Truckee Tahoe Airport has increased significantly over the past few years and the national fleet is increasing, there is a possibility that the amount of larger aircraft using the airport will increase more than what has been forecast. In order to evaluate the effect that increased traffic would have, a new set of traffic indexes was prepared and used in the Fatigue Analysis studies. With the new traffic indexes the number of operations of the large aircraft (those with maximum takeoff weight in excess of 37,500 pounds) was doubled. The new traffic index with the doubling of the heavy aircraft operations has also been included in Appendix D as Table No. D4.

A table of contents of this appendix is shown below:

Tables

Table No. D1	Traffic Group Summary
Table No. D2	Summary of Traffic Data for Truckee Tahoe Airport
Table No. D3	Summary of Traffic Indexes
Table No. D4	Summary of Enhanced Traffic Indexes

TABLE No. D1 - Traffic Group Summary

Aircraft Group	Aircraft Type	Aircraft Empty (lbs)	Aircraft Fuel (lbs)	60% MTOW (lbs)	Gear Configuration
1	Beech Baron	4,190	4,930	5,424	Single
2	Conquest	6,210	8,439	9,925	Single
	Citation CJ1	6,160	8,704	10,400	Single
3	Raytheon Premier I	8,600	10,940	12,500	Single
	King Air 350	10,000	13,000	15,000	Single
	Citation CJ II Bravo	9,300	12,780	15,100	Single
	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
5	Lear 45	12,050	16,940	20,200	Dual
	Citation III	13,500	18,600	22,000	Dual
	Lear 60	14,750	20,000	23,500	Dual
6	Gulfstream 150	15,100	21,700	26,100	Dual
	Raytheon Hawker 800	16,100	23,240	28,000	Dual
	Citation Sovereign	20,800	26,500	30,300	Dual
	Raytheon Hawker 1000	17,220	25,488	31,000	Dual
7	Gulfstream 200	21,200	29,390	34,850	Dual
	Citation X	21,600	30,060	35,700	Dual
	Dessault Falcon 2000	19,700	29,360	35,800	Dual
8	Challenger 300	23,800	32,020	37,500	Dual
	Raytheon Hawker 4000	23,500	33,100	39,500	Dual
	Dassault Falcon 50 EX	20,200	31,900	39,700	Dual
	Dassault Falcon 2000EX	23,190	34,596	42,200	Dual
9	Dassault Falcon 900B	22,610	36,344	45,500	Dual
	Challenger 605	26,990	39,716	48,200	Dual
	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
	Gulfstream IV	43,000	61,120	73,200	Dual
11	Gulfstream V	48,300	73,920	91,000	Dual
	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. D2 - Summary of Traffic Data for Truckee Tahoe Airport

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

TABLE No. D3 - Summary of Traffic Indexes

	Aircraft Group	Traffic Index (Aircraft Operations in 2011)																
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Small to Medium Aircraft	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
	3	717	1,300	2,176	398	955	1,380	1,088	478	239	186	796	1,062	1,062	796	265	265	531
	4	125	227	380	70	167	241	190	84	42	32	139	186	186	139	46	46	93
	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
Large Aircraft	8	31	49	50	21	27	30	24	5	5	3	-	26	53	-	6	-	17
	9	53	82	85	35	45	51	40	9	9	6	-	44	89	-	10	-	29
	10	27	42	44	18	23	26	21	5	5	3	-	23	46	-	-	-	15
	11	39	60	63	26	33	37	30	6	6	4	-	32	66	-	-	-	22
Total 2011 Operations		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
% Use of Small/Medium Aircraft		27%	49%	82%	15%	36%	52%	41%	18%	9%	7%	30%	40%	40%	30%	10%	10%	20%
% Use of Large Aircraft		54%	84%	87%	36%	46%	52%	41%	9%	9%	6%	0%	45%	91%	0%	10%	0%	30%

TABLE No. D4 - Summary of Enhanced Traffic Indexes

	Aircraft Group	Enhanced Traffic Index (Aircraft Operations in 2011 with Large Aircraft Operations Doubled)																
		A1	B1	C1	D1	E1	F1	G1	H1	I1	J1	K1	L1	M1	N1	O1	P1	Q1
Small to Medium Aircraft	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
	3	717	1,300	2,176	398	955	1,380	1,088	478	239	186	796	1,062	1,062	796	265	265	531
	4	125	227	380	70	167	241	190	84	42	32	139	186	186	139	46	46	93
	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
Large Aircraft	8	62	98	100	42	54	60	48	10	10	6	-	52	106	-	12	-	34
	9	106	164	170	70	90	102	80	18	18	12	-	88	178	-	20	-	58
	10	54	84	88	36	46	52	42	10	10	6	-	46	92	-	-	-	30
	11	78	120	126	52	66	74	60	12	12	8	-	64	132	-	-	-	44
Total 2011 Operations		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/Medium Aircraft*		27%	49%	82%	15%	36%	52%	41%	18%	9%	7%	30%	40%	40%	30%	10%	10%	20%
% Use of Large Aircraft*		54%	84%	87%	36%	46%	52%	41%	9%	9%	6%	0%	45%	91%	0%	10%	0%	30%

* - Percent use indicates the percentage of different aircraft groups using an analyzed pavement element.

**TRUCKEE TAHOE AIRPORT
PAVEMENT EVALUATION STUDY
PAVEMENT MAINTENANCE/MANAGEMENT PLAN**

**Appendix E
Supplement No. 1**

This supplement to our Pavement Evaluation Study and Pavement Maintenance/Management Plan dated November 2011 includes additional information requested by the Truckee Tahoe Airport District.

Question No. 1 – Look at 2/20 with aircraft group 1-9 + 30% of traffic. You do not need to adjust 11-29.

Runway 2-20, Taxiway G and the cross taxiways at each end of Runway 2-20 have similar pavement sections and will receive similar traffic. Taxiway V, Taxiway P and Taxiway Q have thinner pavement sections but should not receive the heavy jet traffic. The analysis of increased traffic on Runway 2-20 and Taxiway G assumes no heavy jet traffic on Taxiways V, P, and Q. The Fatigue Analysis has been conducted for the following conditions:

- 10% of total traffic on Runway 2-20
- 30% of Groups 1 to 9 traffic on Runway 2-20
- 30% of all traffic operating on Runway 2-20

The results of this analysis showing the remaining structural life based on deep-seated failure using the Brandley Fatigue Analysis methodology is included in Table No. S1. It will be noted that the remaining pavement life exceeded 20 years except for that section of Taxiway G from Station 600 to Station 900 under 30% of all traffic. In this section the remaining life is 15 years.

Question No. 2 – What will the new load-bearing capacity of the west side of 10/28 be after we construct your design?

The allowable load-bearing capacity for each area of the airport has been prepared for all sections of the airport for the condition where 100 annual departures of all aircraft are allowed and is included in Table S2. This analysis has been prepared showing the allowable load-bearing capacity for existing conditions and for various design options. In some instances only one or two options are applicable and these are the only ones that are shown. With some options the subgrade strength is the critical factor in determining load-bearing capacity and in other instances it is the strength of the pulverized existing AC and AB used as aggregate base. On this

table we indicate a range of costs per square foot for each option of pavement rehabilitation. Option 3 on this table shows the increased strength of the easterly 2,000 feet of Runway 11-29, which was reconstructed in 2008.

Question No. 3 – If we add 3" of asphalt on the east side, what is the load-bearing capacity?

The load-bearing capacity for adding 3" of asphalt is shown in Table No. S2 under Option 3.

Table S1
Truckee Tahoe Airport
Runway 2-20 Remaining Life Sensitivity Analysis
December 21, 2011

Element	Station	Remaining Structural Life (Years)					
		10% All Traffic		30% Groups 1-9		30% All Traffic	
		Standard	Enhanced	Standard	Enhanced	Standard	Enhanced
Runway 2-20	0 - 1000	145	114	89	75	74	57
	1000 - 1700	87	68	52	43	43	32
	1700 - 4600	93	73	55	46	46	34
Taxiway G (Including Cross Taxiways at each End of the Runway)	0 - 600	59	45	34	28	28	20
	600 - 900	46	36	26	21	21	15
	900 - 1500	97	76	58	48	48	36
	1500 - 4500	122	96	74	62	62	48
	4500 - 4800	97	76	58	48	48	36

Notes:

1. Midfield cross Taxiways P, Q, & V are not included as they will not receive any of the large jet traffic.
Remaining life of these Taxiways remain greater than 20 years.
2. Standard Traffic is the forecast traffic for each segment of pavement.
3. Enhanced Traffic is the forecast traffic with the operations of aircraft greater than 40,000 pounds doubled for each segment of pavement.

Table S2
Truckee Tahoe Airport
Bearing Capacity Analysis
December 21, 2011

Element	Gear Type	Maximum Load Limit - (x 1,000 lbs)	Allowable Bearing Capacity (x 1,000 lbs) - 100 Annual Departures				
			Existing	Option 1	Option 2	Option 3	Option 4
Runway 11-29 (West 5,000 ft) & Associated Taxiways	Dual	80	55	70	80 *	-	100
	Single	50	40	45	50	-	60
Runway 11-29 (East 2,000 ft) & Associated Taxiways	Dual	80	55	-	-	80 *	100
	Single	50	40	-	-	50	60
Runway 2-20 & Associated Taxiways	Dual	50	50	65	80 *	-	100
	Single	35	35	40	50	-	60
Aprons	Dual	50	35	-	-	-	80 *
	Single	35	25	-	-	-	50
Hangar Taxilanes	Dual	50	35	-	-	-	50 *
	Single	30	25	-	-	-	35

Option 1 - Pulverize and Recompact Existing AC & AB, Place 3" New AC - \$3.15 / sq.ft.

Option 2 - Add 2" Rock, Pulverize and Recompact Existing AC & AB, Place 3" New AC - \$3.75 / sq.ft.

Option 3 - Place 3" New AC Overlay - \$2.50 / sq.ft.

Option 4 - Pulverize and Recompact Existing AC & AB, Place 4" New AB, Place 3" New AC - \$4.35 / sq.ft.

Note - Unit costs not applicable in areas where existing grade cannot be raised, such as Aprons and Hangar Taxilanes.

* - Rehabilitation Option Recommended in the Pavement Maintenance/Management Plan dated November 2011.