



Project Name: fake_vanceleave
Project Location: C:\Rao\MERRA_Runs\fake_vanceleave

Design Inputs

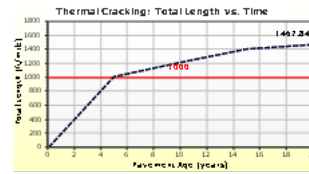
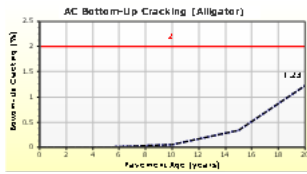
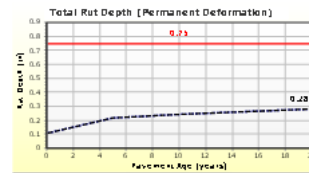
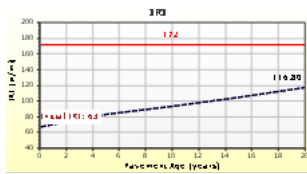
Design Life:	20 years	Base construction:	May, 2021	Climate Data	30.5, -88.75
Design Type:	FLEXIBLE	Pavement construction:	June, 2022	Sources (Lat/Lon)	
		Traffic opening:	September, 2022		

Design Structure				Traffic		
Layer type	Material Type	Thickness (in)	Volumetric at Construction:		Age (year)	Heavy Trucks (cumulative)
Flexible	Default asphalt concrete	2.0	Effective binder content (%)	13.3	2022 (initial)	3,000
Flexible	Default asphalt concrete	3.0	Air voids (%)	7.0	2032 (10 years)	5,699,120
Flexible	Default asphalt concrete	6.0			2042 (20 years)	12,646,300
NonStabilized	Crushed stone	12.0				
Subgrade	A-7-6	Semi-infinite				

Design Outputs

Distress Prediction Summary					
Distress Type	Distress @ Specified Reliability		Reliability (%)		Criterion Satisfied?
	Target	Predicted	Target	Achieved	
Terminal IRI (in/mile)	172.00	116.82	50.00	95.52	Pass
Permanent deformation - total pavement (in)	0.75	0.28	50.00	100.00	Pass
AC bottom-up fatigue cracking (% lane area)	2.00	1.23	50.00	71.75	Pass
AC thermal cracking (ft/mile)	1000.00	1467.84	50.00	24.99	Fail
AC top-down fatigue cracking (ft/mile)	2000.00	0.00	50.00	100.00	Pass
Permanent deformation - AC only (in)	0.25	0.06	50.00	100.00	Pass

Distress Charts



— Threshold Value @ Specified Reliability --- @ 50% Reliability