



Project Name: fake\_canton  
 Project Location: C:\Rao\MERRA\_Runs\fake\_canton

## Design Inputs

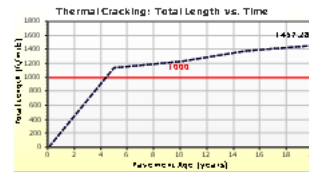
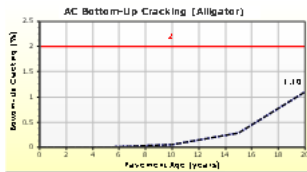
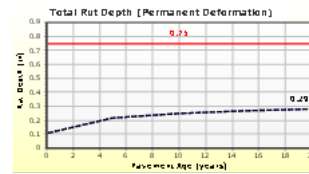
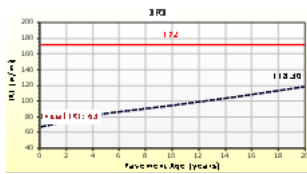
Design Life:	20 years	Base construction:	May, 2021	Climate Data	32.5, -90
Design Type:	FLEXIBLE	Pavement construction:	June, 2022	Sources (Lat/Lon)	
		Traffic opening:	September, 2022		

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	118.27	50.00	94.93	Pass
Permanent deformation - total pavement (in)	0.75	0.29	50.00	100.00	Pass
AC bottom-up fatigue cracking (% lane area)	2.00	1.10	50.00	75.56	Pass
AC thermal cracking (ft/mile)	1000.00	1457.28	50.00	25.40	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