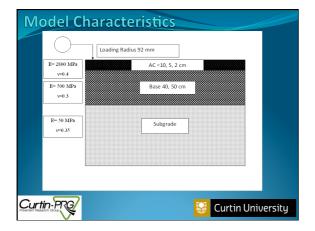
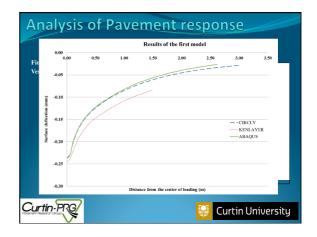
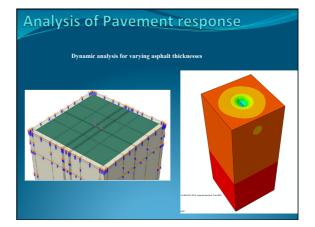


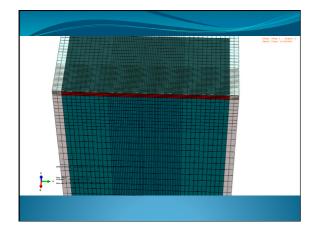
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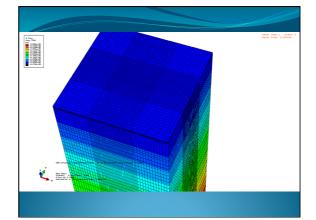


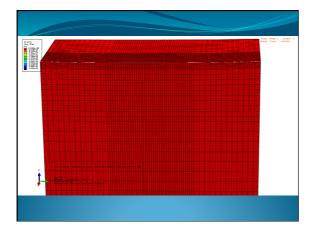


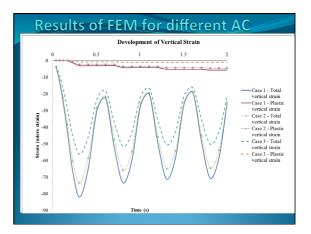
	Ratio	Modulus (MPa)	Thickness (cm)	Layer
(degrees) N/A	0.4	(MPa) 2800	2	Asphalt
42	0.4	2800	50	
		500		Base
30 N/A 42 30 N/A 42 30	0.35 0.4 0.30 0.35 0.4 0.30 0.35	50 2800 500 50 2800 500 500 50	450 5 450 10 50 450	Subgrade Asphalt Base Subgrade Asphalt Base Subgrade



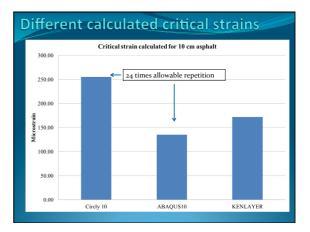












Conclusion

- dynamic analysis results in lower surface deflection than static analysis
- increasing thickness from 2cm to 10cm reduces surface deflection up to 13%.
- increasing asphalt thickness can reduce both the total and plastic strain
- linear elastic analysis indicates moderately thick asphalt layers are at risk of fatigue

economical solutions to pavement design are overlooked in favour o very thin or very thick asphalt layers

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