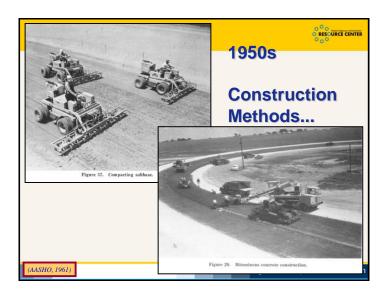
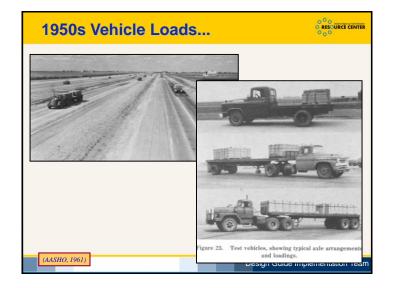


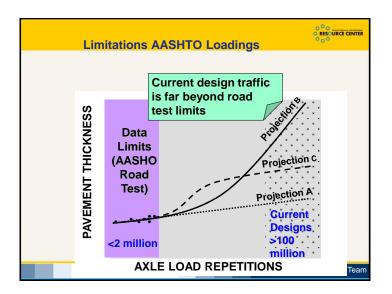
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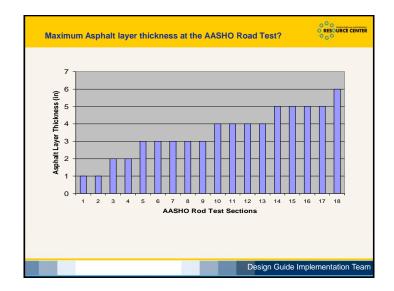


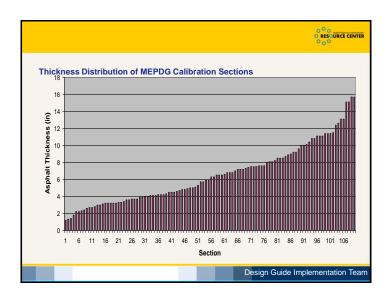


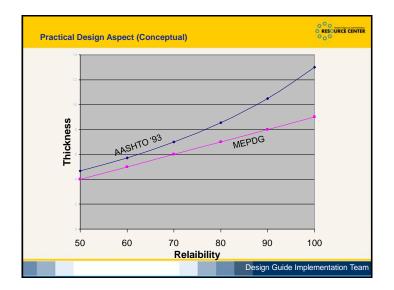


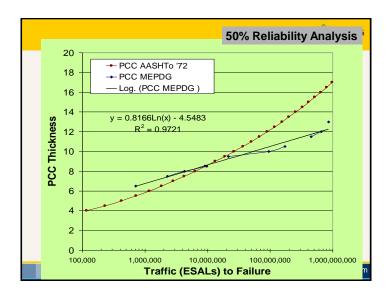


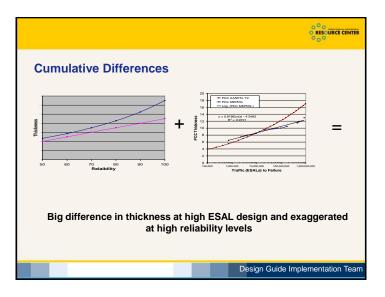




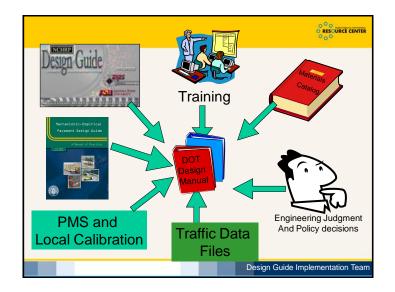


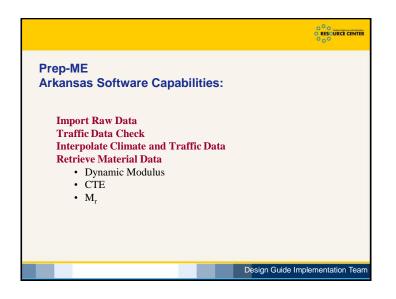


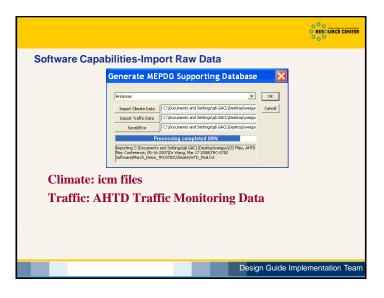


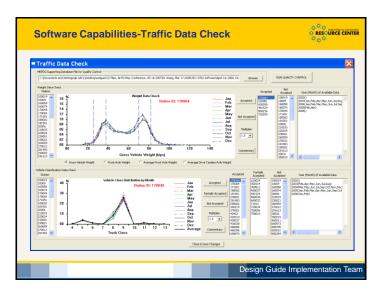






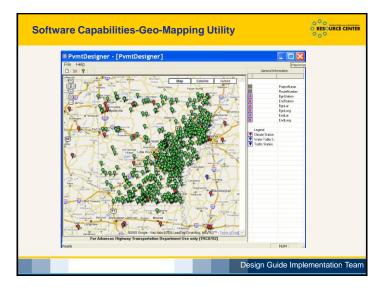


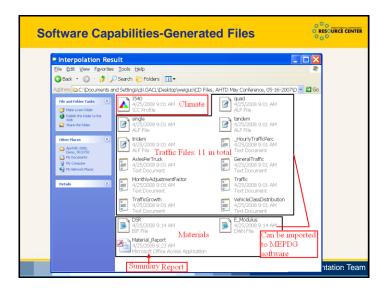


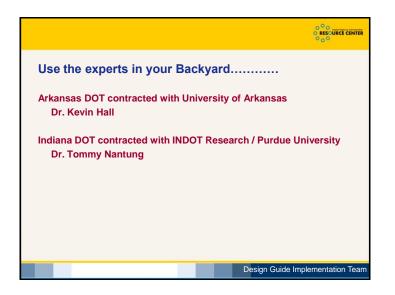


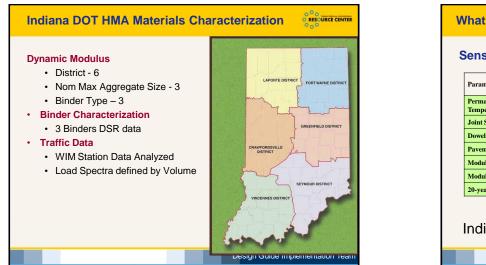
/namic Modulu	s Report				ial				
Cetrieved Parameters			Domamic Modulus E* (ksi)	>		Frec	Nency		
Binder Grade	PG76-22		Temperature (F degree)	0.1	0.5	1.0	5.0	10.0	25.
Design Air Void Level (%)	High (7.0%)		14	1835.77	2185.92	2336.96	2669.61	2776.7	3038.
Nominal Aggregate Size (mm)	12.5 mm		40	1298.9	1670.79	1771.18	2230.07	2429.92	2691.
Aggregate Type	Limestone		- 70	270.58	430.58	520.74	780.28	924.71	1114.9
			100	72.99	113.63	141.69	249.06	318.81	432.4
Steve Size Job Mix	Arc Design Summary		130	30.29	40.13	47.03	76.35	98.34	141.8
37.5 - 1-1/2"	Mix ID	414	Phase Angle (degree)	>					
25.0 - 1"	Aggregate Type	Linestone	Temperature (F degree)	0.1	0.5	Fre 1.0	quency 5.0	10.0	25
19.0 - 3/4* 100	Aggregate Source	MCA	- 14	0.1	9.49	9	5.0	9.56	25
12.5 - 1/2"	Aggregate Location	McCikon Anchor, Lowell		15.19	11.55	10.88	10	10.7	13.18
9.5 - 3/8" 75	Nominal Aggregate Size	12.5 mm	- 70	26.43	25.37	24.61	22.4	22.26	23.9
4.75 - #4 43	Binder Grade	PG76-22	100	24.44	29.06	30.7	32.73	33.04	35.8
2.36 - #8	Designed Air Void	High (7.0%)	130	18.62	23.59	26.26	32.45	35.75	41.2
1.18 - #16	Max Theoritical Specific Gravity		- Diamin C	, 	eter (DSR) wi				-
0.6 - #30	Void Mineral Aggregate (VMA)			ure (F degre		st wigdar H S* (Pa)	Delta (degr		
0.3 - #50	Bulk Specific Gravity (Gsb)				155	6873.58	55.25	-	
0.15 - #100	Effective Specific Gravity (Gse)			5	155	902.52	67.28	-	
0.075 - #200 4	Asphalt Specific Gravity (Gb)		12	2	202	26.94	67.13	-	
				9	376	5.7	68.34	-	
	Close				1010		1		

Software Capabilities- Retr Retrieve Material Parameters			×
HEPG Supporting Database File C:Documents and Sattings()a:GACL/Deaktop()weigue)(C Browse Export to NEPGs C:Documents and Sattings()a:GACL/Deaktop()weigue)(C Save To Rigid Pavement Gride Pavement Retrieving Coefficient of Thermal Expansion Data Based On Coarse Aggregate Type v Age Cementbious Paste Type v	Retrieving Dynamic Modulus & Dyn Binder Grade Design Ar Yold Level Nominal Max Aggregate Size Coarse Aggregate Type VMA Aschalt Content. Aggregate Gradiation	Amic Shear Rheometer bas PG76-22 High (7.0%) 12.5 mm Limestone	
Cose & Esport Rep	ieport		

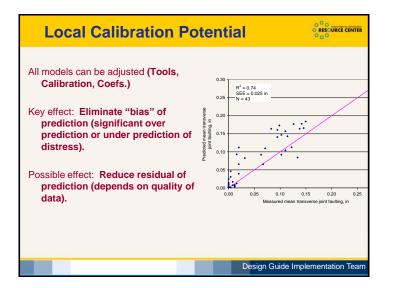


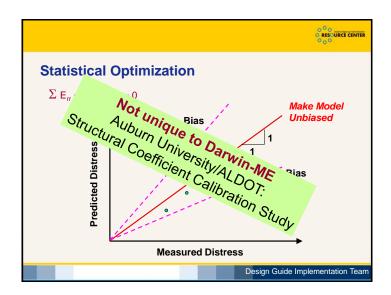


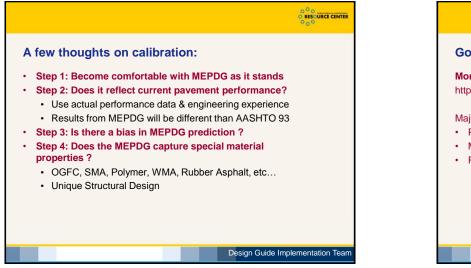


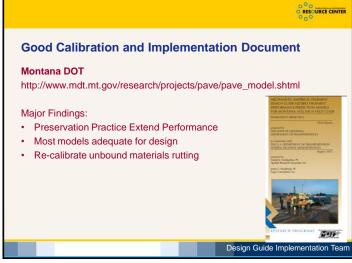


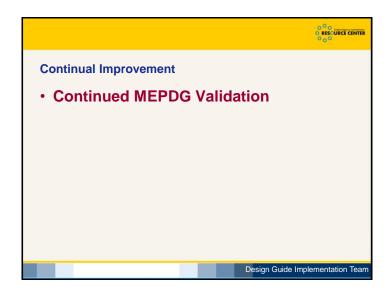
Parameter	Roughness	Faulting	Percent Slabs Cracked
Permanent Curl/Warp Effective Temperature Difference	vs	vs	vs
Joint Spacing	vs	vs	vs
Dowel Bar Diameter	MS	MS	NS
Pavement Thickness	S	MS	vs
Modulus of Rupture	S	NS	vs
Modulus of Elasticity	s	NS	vs
20-year/28-day Ratio	s	NS	vs

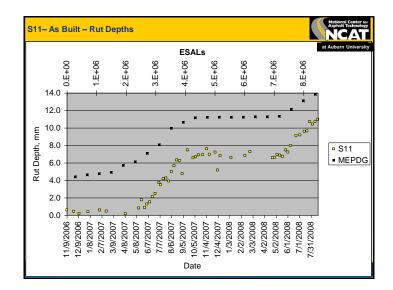


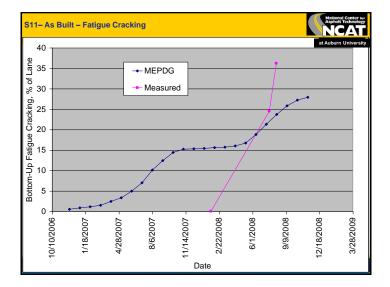


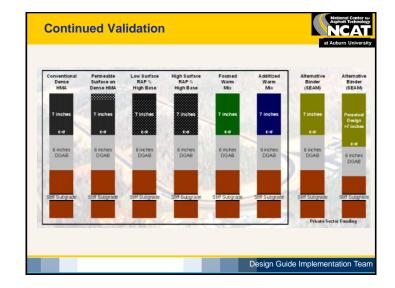


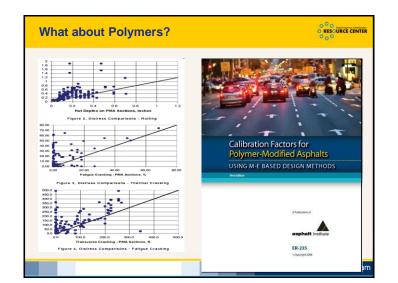


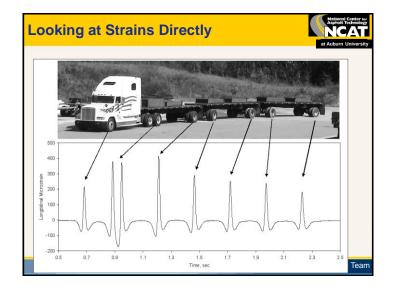


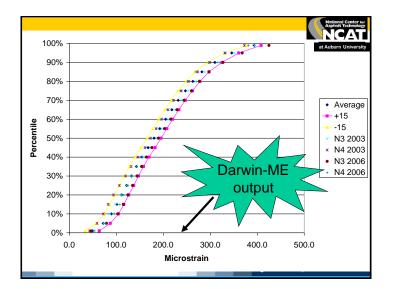
















Previous & On-Going Studies	
NCHRP 1-41 – Models for Predicting Reflection Cl of HMA Overlays (2008)	racking
NCHRP 1-42A – Models for Predicting Top-Down Cracking of HMA Layers (2008)	
NCHRP 9-29 – Simple Performance Tester for Superpave Mix Design (2008)	
NCHRP 9-38 – Endurance Limit of HMA Mixtures a Prevent Fatigue Cracking (2008)	to
NCHRP 9-44 – Develop Plan for Validating an End Limit for HMA (2008)	lurance
NCHRP 9-44A – Validating an Endurance Limit for	· HMA
Design Guide Impler	nentation Team





