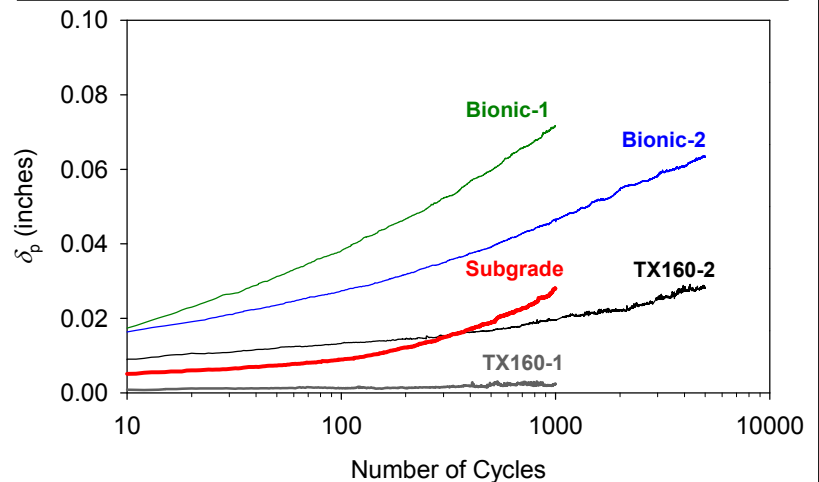


PRELIMINARY RESULTS:

APLT In-Situ Performance Verification on Dillahunty Rd., Eddy County, NM

Pavement Foundation Profiles	A. 4" Bionic treated pit run rock base, 4" Class A subbase, 6+" pit run rock subbase, TX160, and subgrade B. Subgrade (desiccated, dry, and trafficked) C. 14" pit run rock subbase, TX160, and subgrade
Field Tests performed	Ingios APLT
APLT Configuration	Cyclic M_r tests at 80 psi stresses for a total of 1,000 to 5,000 loading cycles
Mechanistic Properties Evaluated	Composite M_r M_r of base M_r of subgrade Perm. def. (δ_p)



Point #	Profile	Composite* M_r , ksi	Base Layer M_r , ksi	Subgrade Layer M_r , ksi	Perm. Def.* (δ_p), in.	Comments/ Notes
Bionic-1	A	74	—†	—†	0.0718	1,000 cycles @ 80 psi
Bionic-2	A	74	—†	—†	0.0633	5,000 cycles @ 80 psi
Subgrade	B	NA	NA	499	0.0280	1,000 cycles @ 80 psi
TX160-1	C	156	—†	—†	0.0025	1,000 cycles @ 80 psi
TX160-2	C	105	—†	—†	0.0283	5,000 cycles @ 80 psi

*Average of the last 50 cycles; **At the end of the test;

† $h_e/r < 1.0$ therefore not compliant with Odemark's MET analysis (i.e., stiff subgrade layer)

PROJECT NUMBER: 2015-019
LOCATION: Dillahunty Road, Eddy County, New Mexico, USA
FIELD TESTING DATE: August 27, 2015

