

Transportation Infrastructure Durability Center **AT THE UNIVERSITY OF MAINE**

A Large-Scale Demonstration of Soil Carbonation for Subgrade Stabilization SK Belal Hossen, PhD Candidate, Civil and environmental Engineering, University of Maine CBR (%) Advisors: Aaron P. Gallant, PhD, PE (UMaine) and Warda Ashraf, PhD (UT, Arlington) Side A

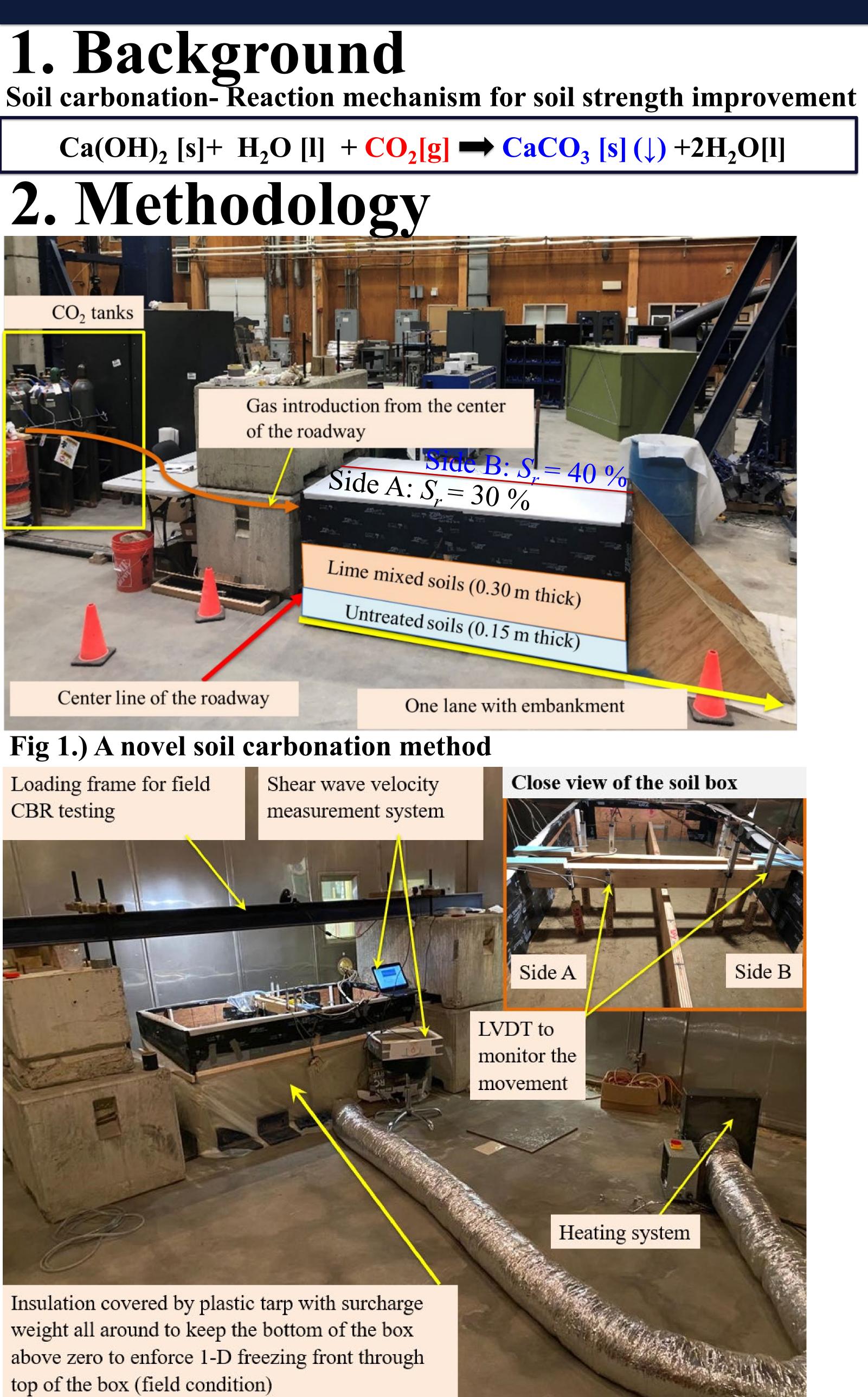


Fig 2.) Freeze-thaw durability testing in an environmental chamber

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2022 TIDC Annual Student Poster Competition

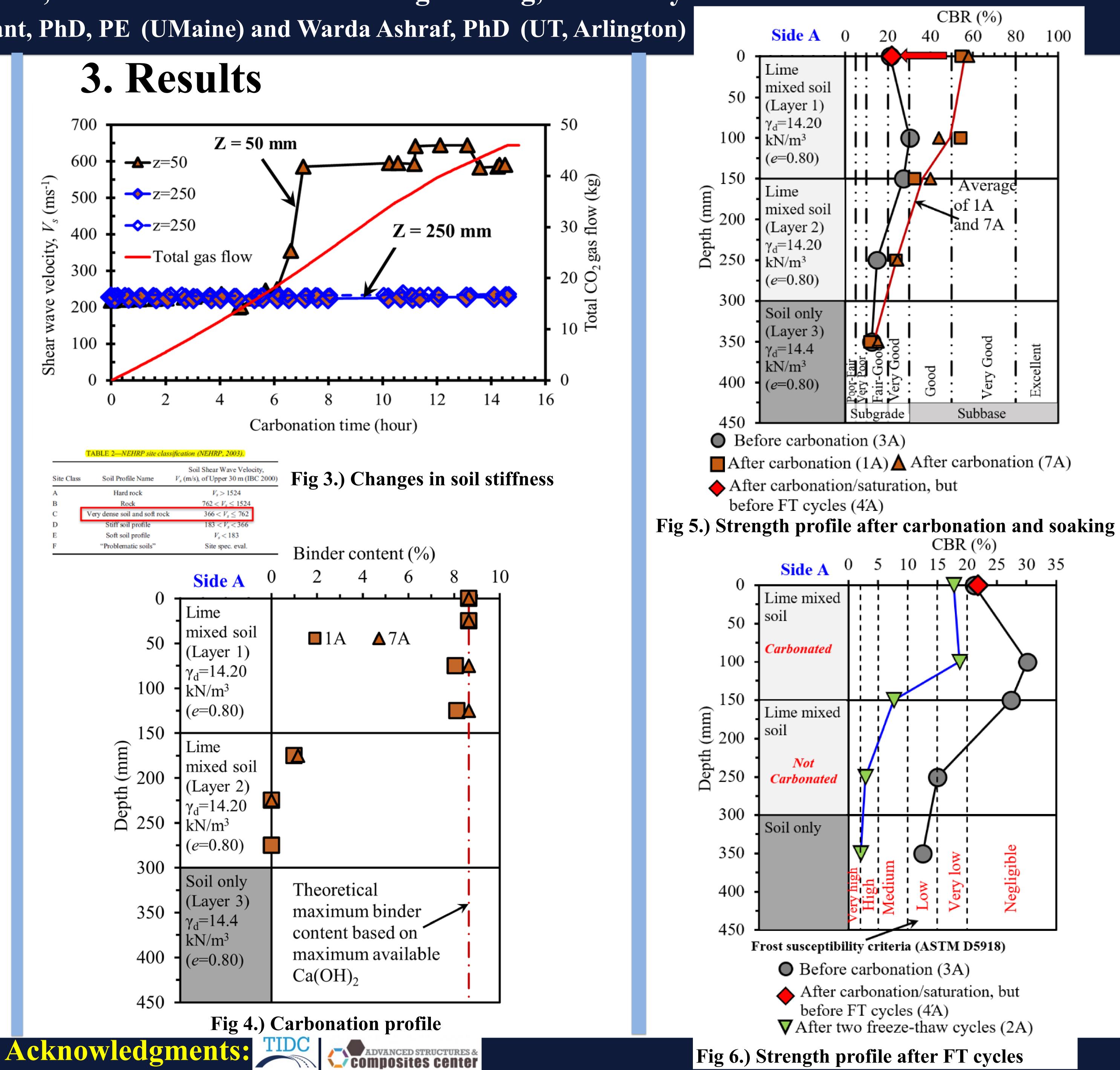


	TABLE 2—NEHRP site classification (NEHRP, 2003).	
te Class	Soil Profile Name	Soil Shear Wave Velocity, V _s (m/s), of Upper 30 m (IBC 2000
	Hard rock	$V_s > 1524$
_	Rock	$762 < V_s \le 1524$

С	Very dense soil and soft rock	$366 < V_s \le 762$
D	Stiff soil profile	183 < V _s < 366
E	Soft soil profile	$V_s < 183$
F	"Problematic soils"	Site spec. eval.

