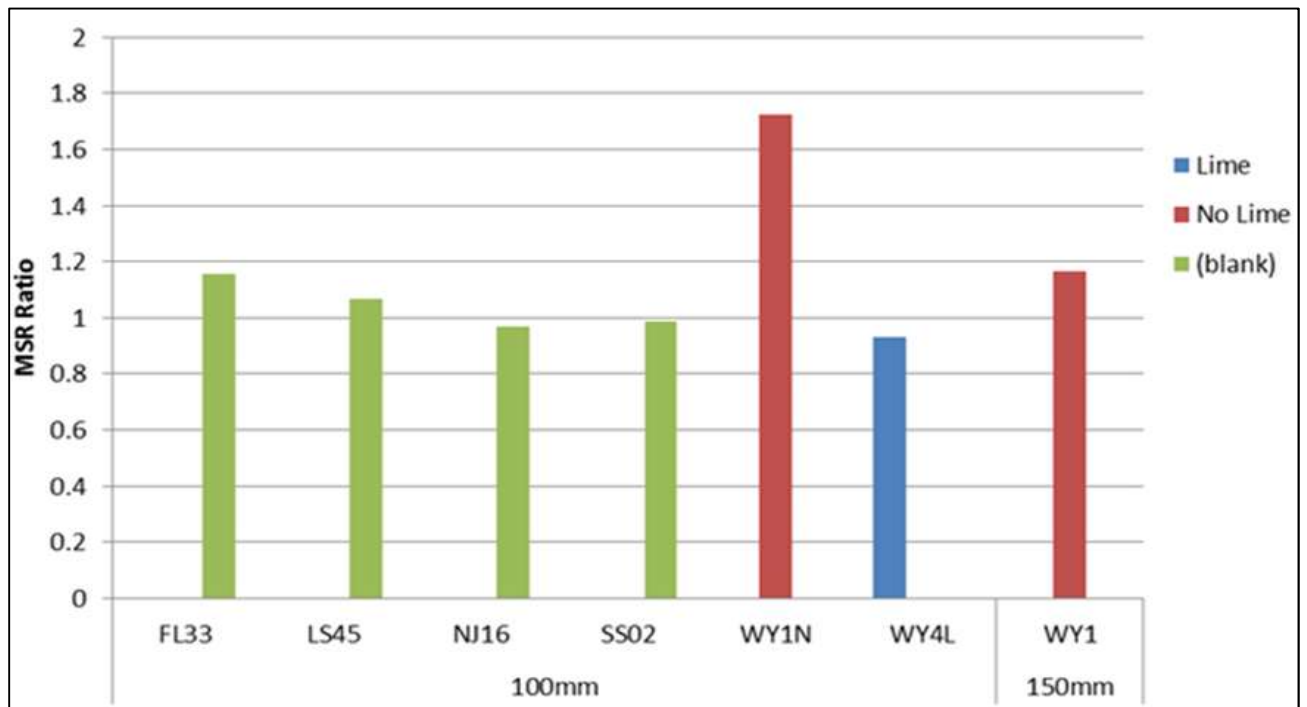


# iRLPD Moisture Damage Test

- Sample size: SCB 150-mm x 50-mm
- Applies Incremental repeated load before conditioning, as part of conditioning, and after conditioning
- Test Temperature: 25°C
- Moisture Damage Ratio is the after to before  $m^*$  ratio
- $m^*$  ratio >1.5 indicates moisture susceptibility



## Advantages:

- Damage is caused by Pore pressure, which is related to field
- Higher precision since same specimens used before and after
- Sample preparation and testing time is reduced by 80%
- Total conditioning and testing time is 4 hours
- Better assessment of moisture resistance by using smaller sample size
- Verified with moisture susceptible and moisture resistant mixtures

