



Florida Department of  
**TRANSPORTATION**

# Upcoming HVS Experiments



# Traffic Level D/E SP-9.5 Mixtures

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- Compare the performance of a traffic level D/E (Ndes = 100 gyrations) SP-9.5 mixture to SP-12.5 mixture using the same aggregate components and binder.
- This subject will also be studied under a newly funded contracted research project.

# Lower Gyration / Balanced Mixtures

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- Compare the performance of a lower gyration mixture (Ndes = 50) to a Ndes = 100 gyration mixture with same aggregates, gradation, and binder type.
- Multiple levels of density
- Perform laboratory performance tests
  - Ideal CT
  - APA
  - Rutting
  - Cantabro
  - Others

# Single / Thick Lift Asphalt Construction

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- Mill and resurface a 6.0 inch single lift of SP-12.5.
  - 6.0” paved in one lift
  - Hot mix asphalt
  - Warm mix asphalt

# Alternative PG 76-22 Modifiers

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- Compare performance of mixtures with conventionally SBS modified PG 76-22 binder to PG 76-22 binder modified with reactive elastomeric terpolymers.

# Scabbing / Bond Study

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- Study the bond strength of various levels of scabbing with different types of compaction.