

# Independent Assurance Sampling and Material Certification

# Project Engineer Responsibilities:

“Ensuring that all materials used on projects to which he or she is assigned are in reasonable conformity with specification requirements prior to their incorporation into the work and that testing or other means of determining material conformity are performed in accordance with established procedures.”

Guidance Manual MAT-406

# What is IAS?

- A requirement from the Federal Highway Administration (FHWA)
  - Sampling & testing in addition to normal acceptance sampling & testing on Federal Aid highway projects which meet certain criteria

# Complete list of NHS Routes:

## Transportation Cabinet Website link

<http://transportation.ky.gov/planning/maps/NHS/nhs.asp>

Select “NHS Listing by Route Number”

or

Go to [www.Google.com](http://www.Google.com) and enter  
“National Highway System (NHS) by  
Route Number”

# IAS Considerations:

- NHS Route?
- Type of Construction
- Award Amount
- Funding Source

# Requirements

A project on an NHS route & \$1M from:

Federal funding = IAS testing

State Funding, Interstate = IAS testing

State funding, non-Interstate = NO IAS testing

Less than \$1M on NHS with Federal or State funding = NO IAS testing

# Purpose:

“To provide an unbiased and independent evaluation of sampling and testing procedures and testing equipment used in acceptance sampling and testing on Federal-aid projects on the National Highway System (NHS).”

Guidance Manual MAT-406



# Note:

“It should be emphasized that these samples and tests are not for the purpose of determining the acceptability of materials or construction work.”

2006 Field Sampling and Testing Manual



# Materials Sampled/Tested for IAS:

**Soil Embankment**  
**Lime Stabilization**  
**Cement Stabilization**

**DGA**  
**CSB**

**Structural Concrete**  
    **Each Aggregate**  
    **Coarse Aggregate**

**JPC**  
    **Each Aggregate**  
    **Coarse Aggregate**

**Asphalt Superpave Mixtures**  
**Asphalt-Treated Drainage Blanket Type II**

# IAS Process

- 1. Recognition of potential IAS projects.

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- 2. Identification & Notification

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- 1. Recognition of potential IAS projects
- 2. Identification & Notification
- 3. IAS Schedule creation

# IAS Process

## ■ 4. Sampling and Testing

# IAS Process

- 4. Sampling & Testing
- 5. IAS Test reports (TC64-13) submitted to Division of Materials

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- 6. Discrepancies addressed.



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- 6. Discrepancies addressed.
- 7. Materials Certification Letter