Critical Components of Storm Pipe Infrastructure Inspection Program

For Session B3 - Sustainability through Asset Management
GOALS

• Encourage Action
• Share Experience
• Program Components
• Resources
Pipes, Culverts, Storm Drains
WHAT ABOUT BRIDGES NO ONE SEES????
Our Recent Experience

34 - States Require Some Form of PII - Pipe
14/34 - States Require or Allow Remote Inspections

AASHTO - SCOC
REQUIRED INSPECTION PROGRAM COMPONENTS

- **WHAT** - to Inspect
- **HOW** - Techniques & Tools
- **COLLECT** Data – Report Requirements
- **ACTION ?** - Evaluation Criteria
eating our elephant
Gather Data – Know your Assets

- Initial Inspection – Locate & Gather Basic Data
- Consider Risk
  - ADT
  - LOCATION
  - SIZE
  - DEPTH
- Complete Follow-up Inspections
  - High Risk to Low Risk
- Evaluate
Inspection Methods
Tools – Man-Way Access (Pipe 36” + up)
TOOLS – Remote Access (less than 36”)
MAKE DECISION & PLAN

- Evaluate It
- OK
- Ok but Future Follow-up
- Repair It
- Or Schedule Replacement
Evaluation Guidelines – A Must Have for Inspection Program!
Evaluation Tools

Sample Specification for Evaluation of Newly Installed Culvert and Storm Drainage Pipe

Evaluation and Repair Guidelines for New Drainage Pipe

Post Installation Evaluation and Repair of Installed Reinforced Concrete Pipe

www.concrete-pipe.org
“Post Installation Evaluation and Repair Guidelines of Installed RCP”

- Text Book
Other Recourses and Tools

- New National Guidelines Available… AASHTO Const.
  - Pipe Inspection and Evaluation Guidelines are available from AASHTO Subcommittee of Construction
- NASSCO-PACP
- Coming Soon… Updated FHWA Culvert Inspection Manual – NCHRP 14-26
DON’T TAKE THIS THE WRONG WAY, BUT...

GO STICK YOUR HEAD IN SOME PIPE!!!!!