Bridge Preservation in Asset Management
FROM BRIDGE INSPECTION TO BRIDGE PRESERVATION
Presentation Outline

- FDOT Process
- FDOT District 2
- District 2 FARC Meeting
- Office of Maintenance Role
- Conclusions
FDOT Process

- Decentralized – Varies between Districts
- Inspectors make Recommendations
- Feasible Action Review Committee (FARC) reviews
- Determination of Actions
  - Routine Maintenance (Preservation)
  - Repair (Preservation)
  - Rehabilitation or Replacement
- Appropriate Feedback provided to Inspectors
Priority 1 Emergency – Perform in 60 days
Priority 2 Urgent – Perform in 180 days
Priority 3 Routine – Perform in 365 days
Priority 4 Informational – no time limit
Priority 4 Work Orders may be used to build contracts
D2 Northeast Florida

- Approximately 29 Million square feet of bridge deck
- 14 states have less bridge deck area than District 2
District 2 Stats

- 1236 State Bridges and 692 Local Government Bridges
- 6 Movable Bridges
- 2 Major Steel Trusses
- 1 Cable Stay Bridge
- 1 Suspension Bridge
- 1 Steel Tied Arch
- 6 Segmental Bridges
FARC Members

- District Structures Maintenance Engineer
- Engineering Section Manager
- Bridge Inspection Supervisor
- Fixed Bridge Manager
- Movable Bridge Manager
- Consultant Inspection Program Manager
Preparation

- Inspection Reports and 5 year Work Program Reviewed by
  - Engineering Section Manager
  - Bridge Inspection Supervisor
- Agenda Created consisting of all Inspector Recommendations
  - Priority Proposed by Inspector
  - Inspector Recommendation
  - Relevant Inspection Notes
- Committee members review agenda prior to meeting
Inspector Recommendation Example

- Replace strip seal with pourable seal at Pier 4
- Priority 3
- Inspector Notes - Strip Seal is leaking at Pier 4
Meeting Details

- Held every 2 weeks
- 9 of 18 bridge inspections had inspector recommendations
- 30 inspector recommendations
Meeting Results

- 3 recommendations were given to roadway maintenance
- No inspector priorities were changed
- Feedback to inspectors was required in 1 area
- 1 recommendation required additional investigation
- 1 recommendation required engineering analysis
- No Work Program (Major Repair, Rehabilitation or Replacement) needs identified
Sealing in Some Slope Pavement Joints not required
Further Investigation Required
Spalled concrete at Pot Bearing
Possible Preventative Maintenance (PM)

- Certain recurring deficiencies may result in PM
- Accumulated Debris in deck drains or deck joints
- Schedule PM every 6 months
Office Of Maintenance Role

- Provides Budget
- Makes Policies and Procedures
- Conducts annual Quality Assessment Reviews
  - What gets measured gets done
- Provides assistance upon request
Conclusions

- Decision Making at District Level
- Involvement of Inspection and Engineering Staffs
- Good Communications between all parties
Questions?

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