

# Interstate Maintenance Preservation Program (IMPP)

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State Bridge Management Unit - NCDOT

NCDOT Live Meeting

October 28, 2010

# Outline

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- NCDOT/FHWA Agreement
- Eligible Activities
- Division Allocations
- Environmental Compliance
- Systematic Selection Criteria
- Pavement Example
- Other Training

## Agreement Background

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- Opportunity to do Preservation on Interstate System
- Develop long term plan for managing our Interstates
- Multi-year “strategic” program
- Allows NCDOT to administer program without contract specific FHWA approval

# Agreement Requirements

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- Eligible Activity
- Meet Requirements of Federal–Aid
- NCDOT must use Systematic Process
- Requires ROW certification
- Requires PS&E's
- Authorized by FHWA
- No Force Account Work
- Preference for Corridor-based projects
- Inspection, certification and documentation
- Needed Safety Upgrades Reported

## Eligible Bridge Activities

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- Deck Joints
- Painting of structural steel (complete, spot and zone)
- Deck Preservation (concrete & epoxy overlays, sealers and chloride extractors)
- Deck washing
- Superstructure Preservation (structural steel repairs, concrete girder and diaphragm repairs; bearings)
- Substructure Preservation (Bent/End Bent repairs and cleaning)
- Scour Countermeasures

# Eligible Flexible Pavement Activities

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- Crack Sealing
- Milling/Replacing one lift of HMA (one lane)
- Micro Milling
- Seals on Flexible Shoulders (chip, fog and slurry)
- OGFC or UTBWC on Flexible Pavement
- Microsurfacing

## Eligible Rigid Pavement Activities

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- Clean and reseal concrete joints
- Repair expansion joints
- Diamond grinding
- Grooving
- Dowel bar retrofit
- Stitching of broken slabs
- Slab Jacking (including approach slabs)
- Microsurfacing
- Punchout repair of CRC on programmatic basis
- UTBWC

# Eligible Roadside Feature Activities

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## Drainage

- Replace/Repair Paved Lateral Ditches
- Line/Repair Crossline Pipes
- Inlet Repair/Retrofit
- Shoulder Drains

## Traffic

- Pavement Markings
- Pavement Markers
- Signs
- Guardrail
- Lighting
- Attenuators

## Division Allocations

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Allocation based on:

75% Lane Mile

25% Square Foot Bridge Deck

2010 TIP

\$10 Million

\*Coordinate with TIP to ensure projects are not programmed by central units

## Division Allocations

Division	Allocation
1	\$69,250
2	\$0
3	\$523,000
4	\$1,008,500
5	\$1,542,500
6	\$553,750
7	\$1,155,250
8	\$159,000
9	\$801,250
10	\$1,398,750
11	\$362,750
12	\$886,250
13	\$1,051,250
14	\$488,500

## Environmental Compliance: Analysis

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- Clean Water Act
- Coastal Zone Management Act
- Endangered Species Act
  - (Bridge & Roadside Features Activities)
- Executive Order 11990 Protection of Wetlands
- Fish & Wildlife Coordination Act
- Marine Mammal Protection Act
  - (Bridge Activities)
- Section 106 of the National Historic Preservation Act

## Selection Procedure

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- Divisions select candidate projects based on eligible activities and supporting data (Systematic Selection)
- Evaluation of field conditions are made to supplement condition information
- Projects are let to contract based on requirements and available funding.

## Systematic Selection

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- “Thought Out” and Documented Process
- Developed Bridge Tool
- Developed Pavement Tool

Tools demonstrate Systematic Selection  
Process

**Tools provide guidance, not final decisions**

## Systematic Selection: Bridge

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### 4 Worksheets with Supporting Documentation

Deck Activities

Superstructure Activities

Substructure Activities

Miscellaneous Activities (Deck Washing)

## Systematic Selection: Bridge

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- Aids in Selecting Type of Activity
- Compares “like” Activities

Theory:

The Higher the Points, the Better the Candidate

# Systematic Selection: Pavement

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# IMPP Regional Training

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## Items Covered

- Contract Administration
- Federal Requirements from local FHWA representatives
- Pavement and Bridge systematic selection criteria tools

## Recommended Participants (6-8 slots per Division)

- Division Maintenance Engineers
- Division Construction Engineers
- Division Operations Engineers
- Division Bridge Program Managers
- Division Project Managers
- Division Design Construction Engineers (DDC)
- Others?

## IMPP Regional Training

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- Tuesday, November 9<sup>th</sup> (Div. 4 Conference Room) 9am  
Divisions 1, 3, 4 & 6
- Wednesday, November 10<sup>th</sup> (Div. 9 Conference Room) 9am  
Divisions 5, 7, 8, 9 & 10
- Thursday, November 18<sup>th</sup> (McDowell Comm. College) 9am  
Building 19, Room 111  
Divisions 11, 12, 13 & 14

## Questions???

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