

ITS and Operations at the Hampton Roads Transportation Planning Organization (HRTPO)



Presented to:
ITSVA Annual Meeting
Richmond
May 5, 2011
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HRTPO Board Advisory Committees

- ❑ Freight Transportation Advisory Committee (FTAC)
 - **Shipping** professionals
- ❑ Citizens Transportation Advisory Committee (CTAC)
 - **Citizens**
- ❑ Transportation Advisory Committee (TAC)
 - City **managers**, county administrators, VDOT, HRT, DRPT, VPA, and WATA
- ❑ Transportation Technical Advisory Committee (TTAC)
 - **Engineers** and planners from HRTPO voting entities

TTAC Subcommittees

- Long-range planning subcommittee
- Programming subcommittee
- TDM oversight subcommittee
- **Operations** subcommittee
 - Hampton Roads Transportation Operations (**HRTO**)

Hampton Roads

Transportation Operations (HRTTO)

- Purpose: to improve operations in Hampton Roads

- Former name: ITS Subcommittee

- On-going Work:
 1. **Sharing** information
 2. **Advising** the TTAC
 3. **Collaborating** on efforts
 4. **Developing** and **prioritizing** operations/ITS projects

HRTO, FY11

Information Sharing

- “Triumphs and Trials” of local traffic engineers
- FHWA’s “Roadway Weather Information System” (RWIS)
- MS2 web-based traffic count management system

HRTO, FY11

Collaborating on Efforts

- Gathered information from Opticom re: regional treatment of **pre-emption**
- Updating regional ITS **architecture**

HRTO, FY11

Developing & Prioritizing Projects

- **Prioritized** VDOT candidate ITS projects



Other FY11 HRTPO Efforts to Improve Operations and ITS

Existing US 460 Corridor Study

Isle of Wight County section

- **Analyzed** intersection delay using Synchro
- **Analyzed** crashes via FR300 forms
- **Recommending** improvements

Congestion Management Process (CMP)

2010 Report

- ❑ **Calculated** congestion levels on 1,500 regional roadway segments
- ❑ **Identified** “CMP Congested Corridors” based on congestion, safety, truck usage, etc.
- ❑ **Recommended** improvements to identified corridors, including operations



Planned FY12 HRTPO Efforts to Improve Operations and ITS

Operations Work using Existing Processes

- Assisting VDOT in updating of regional ITS **architecture**

- Updating regional ITS **Strategic Plan**
 - with aid of VDOT on-call consultant

- **Prioritizing** candidate CMAQ projects
 - many of which tend to be operational projects

Operational Work using New Processes

- Analyzing congestion using **INRIX** speed data collected on regional system
- Analyzing residency of users of existing regional toll facilities via **EZ-Pass** zip-code data