SHRP2 Interstate 64 Corridor Plan

Shenandoah Piedmont area Collaborative Effort (SPaCE)

Working Group Meeting

July 26, 2017
Project Study Area
PlanWorks: Better planning. Better projects. (C01)

- Web-based decision support tool
- Supports and improves collaborative decision making
- Built around key decision points in the project, LRTP, & planning process
- Provides a flexible roadmap for project planning and stakeholder involvement
Corridor Planning Toolkit

- The Decision Guide streamlines the transportation process by systematically building in collaboration. It was developed using examples of successful practice and input from all partners in transportation decision making.

- The Decision Guide was developed from 23 in-depth, detailed case studies (Including the CA-MPO 2040 LRTP TCAPP Process)
Project Scope

- Open a dialog with interests in the I-64 Corridor
- Build an understanding of the issues through collaborative discussions and by engaging the experts
- Use transportation performance measures to identify deficiencies in the corridor
- Identify ways to improve collaboration and communication on issues of governance, maintenance and project identification
- Document lessons learned and produce a final document that outlines deficiencies and concept level solutions
Working Group Meetings

**Meeting 1** (Nov)  
- Scope and problem statement
- Project Goals and process

**Meeting 2** (Jan)  
- Goals
- Public Safety

**Meeting 3** (Mar)  
- Evaluation Criteria
- Economic Development & Accessibility

**Meeting 4** (May)  
- Identify Hotspots
- Environmental

**Meeting 5** (Jul)  
- Congestion and freight
- Review problem areas

**Meeting 6** (Aug)  
- Lessons Learned
- Recommendation of problem areas & next steps

- Public Open House Dec 12
- Interim Updates
- Public Open House
- Joint MPO Meeting September
COR-1: Approve Scope and Process

First steps: coordinating partners and establishing formal lines of communications between groups that communicate infrequently. Evaluation of decision points and creating collaborative decision-making across multiple disciplines and tiers of government will be included.

Deliverables:

Draft Scope to guide planning process; Aggregate data repository.

Outcomes:

• The geographical scope
• Technical Scope
• Web Data Repository http://campo.tjpdc.org/i64-corridor/
COR-1
The Technical scope is based on meeting the regional need of improving the safe efficient movement of goods and people through the study corridor. Due to the corridor being super-regional in nature, the technical aspects of the corridor study focus heavily on improving inter-governmental and inter-agency communication, coordination, and facility management.

Data Repository A project specific webpage has been set up within the Charlottesville Albemarle MPO domain. [http://campo.tjpdc.org/i64-corridor/](http://campo.tjpdc.org/i64-corridor/). The site includes information about the project, an interactive map, and a growing inventory of corridor related studies GIS and reports.
COR-2: Approve Problem Statements/Opportunities

SPaCE will engage facilitated collaborative meetings, focused stakeholder groups, public input sessions and multi-media engagement to identify a common understanding of the issues and seek partner and stakeholder identification of problems and opportunities.

Deliverables:

Work towards agreement among stakeholders on the deficiencies and potential opportunities. Staff, collaborating with the Working Group have identified the following deficiencies:
COR-2 Deficiencies

- Safety
  - Crashes
  - Speed
- Peak hour congestion
  - Congestion at key exits
  - Traffic at Afton caused by slow moving heavy vehicles
  - Commuter demand
  - Through traffic demand
- State of good repair
  - Roadway pavement conditions
  - Bridges
- Accessibility
  - Transit
  - Carpooling
- Land Use
  - Housing affordability
  - Jobs and housing mismatch
  - Development patterns
COR-3

COR-3: Goals

Process: elicit stakeholder perspective and partner approval on the comprehensive set of transportation, community and environmental goals. Focus will be regional outcomes of reducing congestion, improving safety and enhancing multi-modal options in the corridor supported by access to comprehensive data.

Outcome: Develop a list set of goals guiding the selection of a set of solutions addressing opportunities and deficiencies.

Deliverables:

- Draft corridor goals
- Approve goals for the corridor project
COR-3 Corridor Goals

1. **Improve** the overall function of the corridor by increasing the efficiency and safety of which goods and people move through the corridor.

2. **Enhance** communication among MPOs, Local Governments, VDOT and DRPT on planning issues in the corridor.

3. **Minimize** the impact that any projects have on natural resources and the environment.
COR-4 Environmental

- Vehicle wildlife conflicts
  - Deer crashes (~51% of crashes)
- Sensitive endangered species habitats
  - Afton Area
  - Stream crossings
- Cultural and historic considerations
  - Conservation easements
  - Historic districts & archeological sites
- Managed Lands
  - Adjacency to NPS and USFW lands

COR-4
Reach consensus on environmental review scope
COR-5 Evaluation Criteria

- **Congestion**
  - AM, PM Congestion at key exits
  - Travel options (Transit, TDM)

- **Safety**
  - Crash hotspots and crash rates
  - Stream crossings

- **Operations and Maintenance**
  - Bridge sufficiency rating
  - Pavement conditions

- **Communication**
  - Joint Meetings
  - Project applications supported
  - MOU

Approve Evaluation Criteria, Methods and Measures
Status Update

- Project Webpage – **Completed**
- Draft MOU – **September Joint MPO Meeting**
- Database of Plans and Studies – **Interactive map online**
- Draft Corridor Study Report – **Drafting report**
- Joint MPO Meetings – **Next Meeting September**
Congestion Analysis

- Average Annual Daily Traffic (Current and Forecasted)
- Volume to Capacity Ratio (Current and Forecasted)
Average Annual Daily Traffic (AADT)

Average Annual Daily Traffic (AADT)
Change in AADT - Exit 94
Change in AADT - Exit 118
Change in AADT - Exit 124
Volume to Capacity Ratio (V to C Ratio)

Volume to Capacity Ratio (V to C Ratio)

Volume to Capacity Ratio on Major Roadways (2030 & 2035)
V to C Ratio – Exit 94

Volume to Capacity Ratio on Major Roadways (2014)
V to C Ratio – Exit 94

Volume to Capacity Ratio on Major Roadways (2035)
V to C Ratio - Exit 118
Volume to Capacity Ratio - Exit 118
Volume to Capacity Ratio on Major Roadways (2015)
V to C Ratio - Exit 124

Volume to Capacity Ratio on Major Roadways (2030)
Freight Traffic - Virginia

2012 Truck Tonnage (Kilotons)
- <1,000
- 1,000-5,000
- 5,000-10,000
- 10,000-50,000
- >50,000

MPO Area
County Boundaries

Source: U.S. Department of Transportation, Federal Highway Administration, Freight Analysis Framework
Freight Traffic – I-64 Corridor

Source: U.S. Department of Transportation, Federal Highway Administration, Freight Analysis Framework
QUESTIONS

Thomas Jefferson Planning District Commission

401 East Water Street
Charlottesville, VA 22902

Wood Hudson
Senior Planner

Resources: http://campo.tjpdc.org/