HANOVER STREET CORRIDOR STUDY

includes the Vietnam Veterans Memorial Bridge

Public Information Meeting
Wednesday, May 30, 2018
Tonight’s Presentation

- Study Overview
- Process & Schedule
- Market Analysis
- Corridor Recommendations
- Next Steps
Study Overview

- **Purpose**: Identify improvements to the Vietnam Veterans Memorial Bridge and Hanover Street corridor to address accessibility, connectivity, and safety for multiple modes:
  - Bicycle
  - Pedestrian
  - Transit
  - Automobiles
  - Freight

- **Funding**: USDOT $1.1 MM TIGER Grant and a $700,000 match from Baltimore City

- **Study Limits**: Wells Street to Reedbird Avenue (a distance of 1.4 miles)
Adjacent Projects

- Hanover St Corridor Study Area
- I-95 Access Improvements Study
- Port Covington
- Port Covington (Under Armour Campus)
Process & Schedule

Assess Existing Conditions & Collect Data
- Review area master plans
- Collect regional and community demographic data
- Assess existing and proposed land uses
- Review current traffic data
- Review bridge inspection reports

Conduct Economic Market Analysis
- Assess current economic climate
- Identify future potential development opportunities and challenges

Study Existing Transportation Network
- Identify potential barriers to multi-modalism
- Review existing pedestrian and bicycle facilities
- Identify transit facilities and assess operations
- Conduct safety assessment

Identify Design Opportunities and Constraints
- Identify growth opportunities
- Identify design opportunities and constraints
- Compare concepts to study area needs
- Evaluate constructability challenges

Develop Corridor Plan and Guiding Principles
- Develop corridor plan
- Create guiding principles
- Outline recommendations in Project Plan
- Determine costs
- Identify key factors needed to advance project

Solicit Public and Agency Feedback
Market Analysis
Market Analysis

• Vietnam Veterans Memorial Bridge is a critical industrial link
• Residents – particularly south of the bridge – rely on transit for access to jobs
  ▪ 45% of households without access to a vehicle
  ▪ Local employment areas not necessarily areas where residents work
• Area has a large working-age population: workforce development and access to jobs is important
• Moderate household growth expected in the next several years
• Investment in infrastructure or economic development could positively impact demand
• Access and connections to transit and alternate modes critical for resident access to retail and larger supermarkets
Corridor Recommendations
Enhance safety, connectivity, and accessibility for all modes of travel and promote better compatibility among all modes within the Hanover Street corridor centered on the Vietnam Veterans Memorial Bridge
Corridor Recommendations – Roadway

Roadway

• Reconstruct with concrete pavement north of the bridge to Cromwell Street and south of the bridge to Waterview Avenue
• Resurface (asphalt overlay) remaining roadway within corridor
• Clean all existing inlets, pipes, and bridge scuppers and inspect the existing storm drain system
• Upgrade traffic / pedestrian signals
• Remove channelized / free-right turn movements
Corridor Recommendations – Pedestrian

Pedestrian

• Add pedestrian lighting
• Enhance crosswalks
• Provide pedestrian signals at all signalized intersections
• Clear debris from all sidewalks
• Provide full ADA access throughout corridor, including curb ramps and sidewalk clearances
• Reconstruct stairwell connecting Hanover Street to the Gwynns Falls Trail
Corridor Recommendations – Bicycle

Bicycle
• Provide separated bike facility along the corridor, including on the bridge
• Potential opportunity for emerging bike facility technology
• Provide connections to existing and planned bike facilities identified in the 2015 *Bike Master Plan* and 2017 *Separated Bike Lane Network Addendum*, to include:
  • Existing Gwynns Falls Trail / East Coast Greenway / Middle Branch Park
  • Existing Port Covington shared use path and cycle track
  • Planned separated facility connecting to Brooklyn and Anne Arundel County
  • Planned separated facility connecting to South Baltimore, Federal Hill, and Downtown
  • Planned Baltimore Greenway Trails Network 35 mile loop
Corridor Recommendations – Transit

Transit
- Evaluate transit enhancements once the impacts of BaltimoreLink have been quantified
- Provide enhanced bus stops to include sidewalk access, benches, trash receptacles, and shelters
Urban Design

- Create unique urban areas under the bridge
- Provide enhanced recreation amenities
Corridor Recommendations – Bridge

Bridge Structures
• Recommend the long-term major rehabilitation option “Option 3 – Four Lane Section with Fixed Span in the Closed Position”
• Total cost (2018 $): $50.0 million
Bridge Structures

- Specialized engineering work required to verify additional service life
- Permanently fixing the movable span in the closed position would save the City annual maintenance costs
- Approval from the United States Coast Guard will be required to permanently fix the movable span in the closed position
Bridge Structures

- 2040 traffic analysis – travel times are consistent regardless of the number of lanes on the bridge
- Enhanced pedestrian and bicycle space in each direction (8’ and 10’) using the existing bridge width

Option 3: Four-Lane Section
Next Steps

• Project Documents
  ▪ Draft Project Report posted on BCDOT website
    ▪ http://transportation.baltimorecity.gov/tiger/hanover-st
  ▪ Comment period: May 31, 2018 – June 30, 2018
    ▪ HanoverSt.BridgeStudy@baltimorecity.gov
  ▪ Final Project Report submitted to FHWA July 13, 2018
Next Steps

Key Factors to Advance the Project

• Structural studies / testing
• Perform National Environmental Policy Act (NEPA) Study
• Request approval to permanently fix the movable bridge span in the closed position from the US Coast Guard
• Identify funding opportunities
Next Steps

Draft Project Report Comment period
May 31, 2018 – June 30, 2018

Project website:
http://transportation.baltimorecity.gov/tiger/hanover-st

Submit comments via e-mail:
HanoverSt.BridgeStudy@baltimorecity.gov

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