Baltimore Regional Transportation Board

Critical Urban Freight Corridors

Resolution #24-12

January 2, 2024

BMC

National Highway Freight Network

- The Fixing America's Surface Transportation (FAST) Act established the National Highway Freight Network (NHFN).
- This act aimed to enhance the performance of U.S. freight transportation by strategically allocating Federal resources and policies to crucial highway segments.
- The NHFN includes the following subsystems of roadways:
    I. Primary Highway Freight System (PHFS)
    II. Other Interstate portions not on the PHFS (non-PHFS)
    III. Critical Rural Freight Corridors (CRFCs)
    IV. Critical Urban Freight Corridors (CUFCs)

2017 CUFC/CRFC Designation

- The FAST Act set the State's mileage caps
  - CUFC: 75 total miles
  - CRFC: 150 total miles

- BRTB currently has
  - 25-mile CUFCs
  - 8-mile CRFCs

2023 New Mileage Under IIJA

- The IIJA modified the state's mileage caps
  - CUFC: 150 total miles
  - CRFC: 300 total miles

- BRTB to designate 50 CUFC miles
  - 25 original miles
  - 25 additional miles

*do not have to keep the original miles

MDOT SHA Methodology

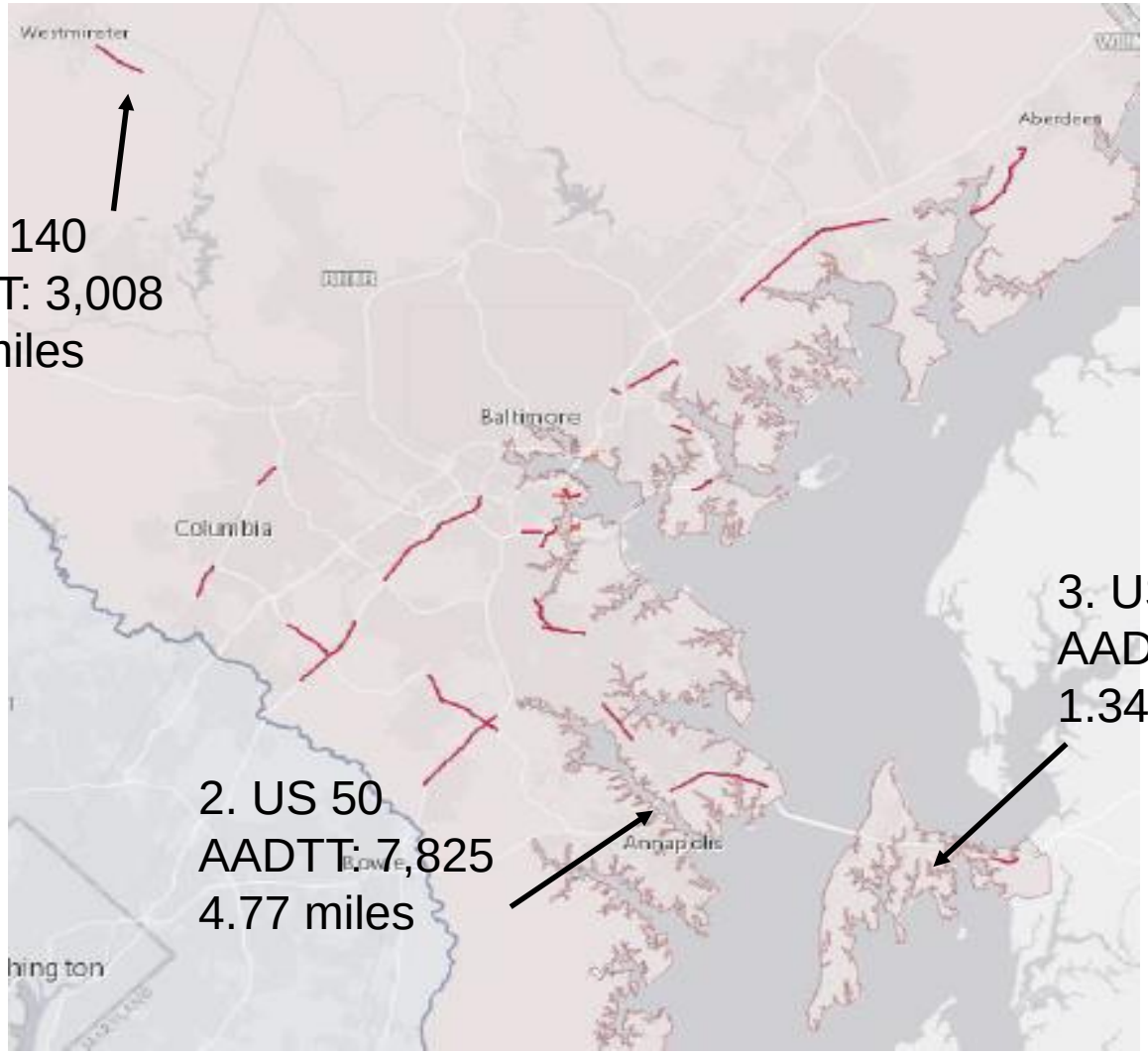
- **MDOT SHA partnered with Texas A&M Transportation Institute**
  - Identified 200 miles of eligible highway segments based on federal requirements for eligibility
  - Segments with the highest Annual Average Daily Truck Traffic (AADTT)
  - Segments that have 25% or more AADTT
  - Proximity to freight generators
  - Weighted score for proximity to freight generators
  - Weighted scores developed a ranking
- **Created an interactive map**

  https://maryland.maps.arcgis.com/apps/webappviewer/index.html?id=e88e40cd0a1a40beae354638aa1601ce

BMC Methodology

- Utilized MDOT SHA rankings
- Identified eligible segments which fell within Long-Range Transportation Plan project limits
  - Eliminated Transit projects in LRTP since they have separate funding sources
- Compared LRTP segments with MDOT SHA rankings
- Proximity to existing CUFC segments (original 25 miles)
- Logical segments

Sample Eligible CUFC Segments



1. MD 140
AADTT: 3,008
2.55 miles

2. US 50
AADTT: 7,825
4.77 miles

3. US 50
AADTT: 7,461
1.34 miles

Recommended CUFU Segments

• US 50 – I-595 to MD 2	1.66 miles
• US 50 – MD 2 to Bay Dale Drive	0.95 miles
• US 50 – Bay Dale Drive to Cape Saint Clair Road	1.53 miles
• US 50 – Cape Saint Clair Road to Oceanic Drive	2.29 miles
• MD 2 – College Parkway to MD 648d	2.42 miles
• US 40 – MD 43 to Ebenezer Road	0.51 miles
• US 40 – Ebenezer Road to Allender Road	1.73 miles
• Main Street – MD 31 to MD 31	0.08 miles
• MD 31 – MD 831j/Union Bridge Road to Main Street	6.44 miles
• MD 140 – Reese Road to MD 97	2.55 miles
• US 50 – MD 552a to Jackson Creek Road	3.31 miles
• US 50 – Jackson Creek Road to Evans Avenue	1.34 miles
TOTAL MILEAGE	**24.81 miles**

MDOT SHA Scores

• US 50 – I-595 to MD 2	1.5 SHA Score
• US 50 – MD 2 to Bay Dale Drive	1.5 SHA Score
• US 50 – Bay Dale Drive to Cape Saint Clair Road	1.5 SHA Score
• US 50 – Cape Saint Clair Road to Oceanic Drive	1.5 SHA Score
• MD 2 – College Parkway to MD 648d *	2.5 SHA Score
• US 40 – MD 43 to Ebenezer Road	4.5 SHA Score
• US 40 – Ebenezer Road to Allender Road	4.5 SHA Score
• Main Street – MD 31 to MD 31 *	1.5 SHA Score
• MD 31 – MD 831j/Union Bridge Road to Main Street *	4.0 SHA Score
• MD 140 – Reese Road to MD 97 *	3.5 SHA Score
• US 50 – MD 552a to Jackson Creek Road	1.5 SHA Score
• US 50 – Jackson Creek Road to Evans Avenue	2.0 SHA Score

*Indicates projects within the LRTP

For More Information

Keith Kucharek | Senior Transportation Planner

410-732-1052 | kkucharek@baltometro.org