

IV. EXPLANATION OF TERMS AND SYMBOLS

The Baltimore region TIP covers a four year period. It includes projects for which federal funds are expected to be requested in Fiscal Years 2011, 2012, 2013 and 2014.

The projects are listed first by implementing agency, including: City of Annapolis, Baltimore City, the five counties in alphabetical order, MTA - Commuter Rail, MTA - Transit, the State Highway Administration (SHA), the Baltimore Metropolitan Council, and the MDOT Secretary's Office. Projects to be implemented by SHA are broken down further by jurisdiction in alphabetical order. Projects advanced by MdTA are funded through user revenues and can be found in the Regionally Significant and Non-Federally Funded Transportation Improvements section of this document.

After the sponsoring agency, projects are listed by category in the following order: commuter rail, enhancement program, environmental/safety, emission reduction strategy, highway capacity, preservation and transit. The ERS category consists of the following types of projects: ridesharing, park-and-ride lots or garages, bicycle and pedestrian facilities, traffic engineering, fleet improvement and system expansion. The preservation category consists of the following types of projects:

road resurfacing/rehabilitation, road reconstruction and bridge repairs/deck replacement. All new, relocated or widened roads and bridges or interchange reconstructions that increase capacity are considered highway capacity, not preservation. Each category of projects is further subdivided by funding source.

The project numbers (TIP Reference Number) printed below each project name show the project's location and type according to the following codes: **AB-CCCC-DD**, where:

- A** Implementing Agency
0 – Other State Agencies
1 - Local Project
2 - Maryland Transportation Authority
3 - Maryland Port Administration
4 - Maryland Transit Administration (Transit)
5 - Maryland Aviation Administration
6 - State Highway Administration
7 - Maryland Transit Administration (Rail)
8 - Baltimore Metropolitan Council
9 - Office of the Secretary

B Location / Jurisdiction selected

- 0 - Regional
- 1 - Anne Arundel County
- 2 - Baltimore City
- 3 - Baltimore County
- 4 - Carroll County
- 5 - Harford County
- 6 - Howard County
- 7 - Incorporated Towns
- 8 - City of Annapolis

CCCC The first two digits is the year the project first appeared in the TIP; the last two digits are supplied numerically by the software system.

DD Project Type by Category:

EMISSION REDUCTION STRATEGY (ERS)

- 01 - Ridesharing
- 02 - Park-and-ride lots
- 03 - Bicycle/pedestrian facilities
- 04 - Traffic engineering
- 05 - Fleet improvement
- 06 - System expansion
- 07 - ITS
- 09 - Other (ERS)

HIGHWAY PRESERVATION

- 11 - Road resurfacing/rehabilitation
- 12 - Road reconstruction
- 13 - Bridge repair/deck replacement
- 14 - Bridge inspections
- 19 - Other

ENHANCEMENT PROGRAM

- 21 - Archaeology
- 22 - Acquisition/preservation of easements or sites
- 23 - Rehabilitation/operation of historic transportation structures/facilities
- 24 - Landscaping
- 25 - Bicycle/pedestrian facility
- 29 - Other

ENVIRONMENTAL/SAFETY

- 31 - Noise barriers
- 32 - Lighting, signs
- 33 - Wetland mitigation
- 34 - Scenic beautification, reforestation
- 38 - Environmental other
- 39 - Safety other

HIGHWAY CAPACITY

- 41 - Roadway widening
- 42 - New or extended roadways
- 43 - Bridge widening
- 44 - New bridge/elimination of at-grade crossing
- 45 - Interchange ramp added or widened
- 46 - New interchange

COMMUTER RAIL

- 51 - Operating assistance
- 52 - Operations support equipment
- 53 - Fleet improvement
- 54 - Preservation and improvements
- 55 - Rehabilitation of facilities
- 56 - New rail facilities
- 59 - Other

TRANSIT

- 61 - Operating assistance
- 62 - Operations support equipment
- 63 - Fleet improvement
- 64 - Preservation and improvements
- 65 - Rehabilitation
- 66 - New bus facilities
- 69 - Other

AIRPORTS

- 71 - Facility maintenance
- 72 - Facility rehabilitation
- 73 - Facility expansion
- 79 - Other

PORTS

- 81 - Facility maintenance
- 82 - Facility rehabilitation
- 83 - Facility expansion
- 89 - Other

MISCELLANEOUS

- 99 - Miscellaneous

Wherever possible, local Capital Improvement Program (CIP) number and state Consolidated Transportation Program (CTP) page numbers are provided to assist in finding projects in their respective capital improvement or development programs. For road and bridge projects, the **Functional Class** of the existing

facility as specified by the most current FHWA functional classification is given. Functional classes are:

- Interstate
- Freeway
- Principal arterial
- Minor arterial
- Collectors, major or minor
- Local

Funding Source indicates the source of federal aid using the following symbols:

For Federal Highway Administration Funds:

- BRR – Bridge Replacement and Rehabilitation
- CMAQ – Congestion Mitigation and Air Quality
- IC – Interstate Construction
- ID – Interstate Discretionary
- IM – Interstate Maintenance
- IS – Interstate Substitute
- ITS – Intelligent Transportation Systems
- STP – Surface Transportation Program
- ENH – Enhancement Funds under STP
- NHS – National Highway System
- UA – Urban Attributable
- LB – Local Bridge
- SOAB – Special Obligation Authority for Bridges
- PLH – Public Land Highways

For Federal Transit Administration Funds:

- 5307 O - Section 5307 Urbanized Area Formula Program
(for operating projects)
- 5307 C - Section 5307 Urbanized Area Formula Program
(for capital projects)
- 5309 B - Section 5309 Capital Program
(for bus or bus related projects)
- 5309 F - Section 5309 Capital Program
(for fixed guideway modernization)
- 5309 N - Section 5309 Capital Program
(for new systems)
- 5310 - Section 5310
Elderly Persons and Persons with Disabilities
- 5311 C - Section 5311 Nonurbanized Area Formula Program (for
capital assistance)
- 5311 O - Section 5311 Nonurbanized Area Formula
Program (for operating assistance)
- 5313 - Section 5313 State Planning and Research
Program
- 5316 - Section 5316 Job Access Reverse Commute Grant
Program
- 5317 - Section 5317 New Freedom Program
- 5320 - Section 5320 Alternative Transportation in the Parks and
Public Lands Program

For Other Fund Sources:

- 1702 - High Priority Projects (Special Legislation)
- FRA - Federal Railroad Administration
- RTP - Recreational Trails Program
- STIM - Stimulus Funds
- OTH - Housing and Urban Development Block Grants,
Commerce EDA Grants and other federal, state or private
funding

Year of Operation indicates when the facility or service will be open to traffic or for public use. **Conformity Status** reflects one of three classifications: test (for capacity type projects evaluated using the travel demand model), review (for minor projects evaluated using an off-model approach), or programmatically conforming - PC (for projects which are exempt from the requirement to determine conformity) in accordance with meeting the CAAA. **CMP Corridor** indicates the congestion management process corridor within which the project is located in the Baltimore region. The Congestion Management Process seeks to alleviate areas of congestion and encourage more efficient use of existing facilities. Exhibit IV-1 depicts the CMP corridors across the region.

The **Physical Data** line, which pertains to road projects, indicates the project length in **Miles** and the present/future number of **Lanes**.

Also included for road projects is an indication if the project is a **Highway Capacity Improvement** or if it is part of the **National Highway System**. The National Highway System Designation Act of 1995 (NHS) was signed into law on November 28, 1995. The NHS designates key road segments that provide improved access to work and markets; to ports, airports, and rail stations; to our national parks; and to bordering countries. Principal contributions of the NHS are to facilitate sustainable economic growth by enhancing intermodal and highway system connections, improving productivity and efficiency of commercial vehicle operations, facilitating the movement of agricultural produce, advancing safety, alleviating congestion, supporting national defense, and improving system performance. Nationally, the total mileage is about 160,955 miles and includes the Interstate Highway System, as well as other roads important to the nation's economy, defense and mobility. Inclusion in the NHS is designated under the project description. Exhibit IV-2 depicts the adopted NHS for the Baltimore region.

For all projects, the adopted plan or program in which the project is contained is designated under the project justification.

In the listing in Chapter VI, project costs are presented on the basis of the amount of federal funding previously received or expected to be requested during a particular year. All figures are in thousands of dollars. The abbreviations in the **Phase** column stand for the following:

PP - Project Planning
PE - Preliminary Engineering
ROW - Right-of-way or property acquisition
CON - Construction
OTH - Other

The **Annual Element** section for each project listing indicates projects for which federal funding in FY 2011 is requested. The **Matching Funds** column indicates the state and/or local funds programmed to match the federal funding requested for that fiscal year. In all but a few cases, the local match is provided by the agency or jurisdiction under which the project is listed.

Exhibit IV-1

Congestion Management Corridors - Baltimore Region



