

FREIGHT
FORWARD

RI



Planning Our Future

Freight Planning

Accomplishments

Capacity Building

- I-95 Corridor Coalition Freight Academy Graduates
 - 2 MPO & 1 RIDOT



- MPO led a FHWA Sponsored Freight Pier Exchange to DVRPC - 2014



Accomplishments

Freight Advisory Committee

- Informal Group held Quarterly Meetings from 2012 until the completion of the Freight & Goods Movement Plan in 2016
- Formalized in 2017 by the State Planning Council
- Next Meeting Scheduled for April/May



RI Freight Advisory Committee

RI Division of Planning
RI Department of Transportation
Commerce RI
RI Department of Environmental Management
RI Emergency Management Agency
RI Airport Corporation
RI State Police
Quonset Development Corporation
RI Resource Recovery Corporation
Federal Highway Administration
US Maritime Administration
Office of U.S. Senator Sheldon Whitehouse
City of Providence
University of Rhode Island
RI Trucking Association



Accomplishments

- FHWA Approved Freight & Goods Movement Plan – July 2017
 - Of the 14 FHWA Approved Plans
- Official Designation and Certification
 - Critical Urban Freight Corridors – 74.7 Miles
 - Critical Rural Freight Corridors – 55.4 Miles

FREIGHT
FORWARD

RI



Planning Our Future

Rhode Island State Freight & Goods Movement Plan

The RI Freight Plan

- > **Outline** immediate and long-range strategies for multi-modal freight transportation investments through the year 2040.
- > **Identify** measures to better coordinate and effectively use all of the state's transportation resources to support the efficient movement of goods.
- > **Provide** additional capacity for growth, support the ability of local businesses and manufacturers to import and export goods, and help strengthen the state's economy.



The Purpose

Capture Opportunity

Develop a Plan this is consistent with the Fixing America's Surface Transportation Act (FAST Act) to better position the state for increased federal funding.

Set Priorities

Identify critical actions and measures to improve the Rhode Island freight network and movement of goods within the state and region.

Raise the Profile

Raise the profile of freight in RI and articulate the importance of the freight transportation system to the state's residents and businesses.



Stakeholder Outreach

Interviews

Suppliers
Importers
Exporters
Shippers
Manufacturers
Logistics Experts
Municipalities
Railroads
Ports
Airport
Regulatory & Administrative Entities

Surveys

Rhode Island Hospitality Association
Rhode Island Trucking Association
Rhode Island Municipalities (Town Planners)

Focus Groups

Rhode Island Manufacturing Collaborative
Rhode Island Trucking Association
URI Supply Chain Management Council

Other

Website
World Trade Day 2015



Freight Plan Goals

Operational Efficiency

- Maintain existing assets
- Improve reliability / reduce congestion
- Expand capacity
- Improve safety and security
- Improve resiliency
- Encourage innovation
- Monitor system performance

Connectivity

- Address bottlenecks
- Build redundancy into system
- Enhance access to national and global markets
- Build regional partnerships

Economic Growth/Competitiveness

- Identify funding for freight priorities
- Partner with private sector; offer incentives
- Improve regional and global competitiveness
- Mitigate environmental impacts



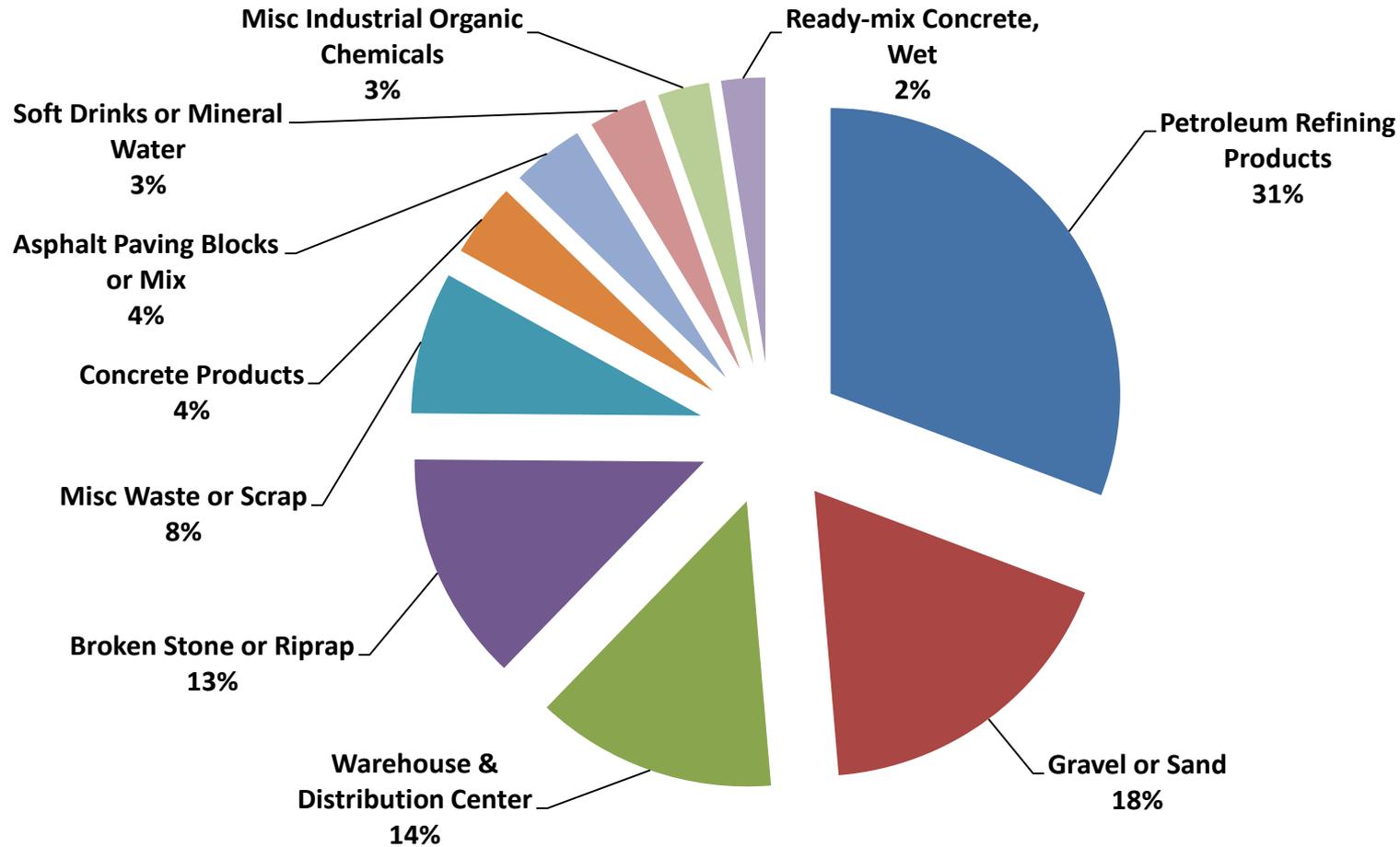
Freight Modes

	2013 Kilotons	2013 \$Millions
 Highway • By Truck, Your Roads	44,208	\$66,047
 Marine • By Sea, Your Ports	4,774	\$4,950
 Pipeline	2,085*	\$752*
 Rail • By Track, Your Railroads	784	\$1,136
 Air • By Air, Your Airports	11.9	\$1,596

*2012 Data

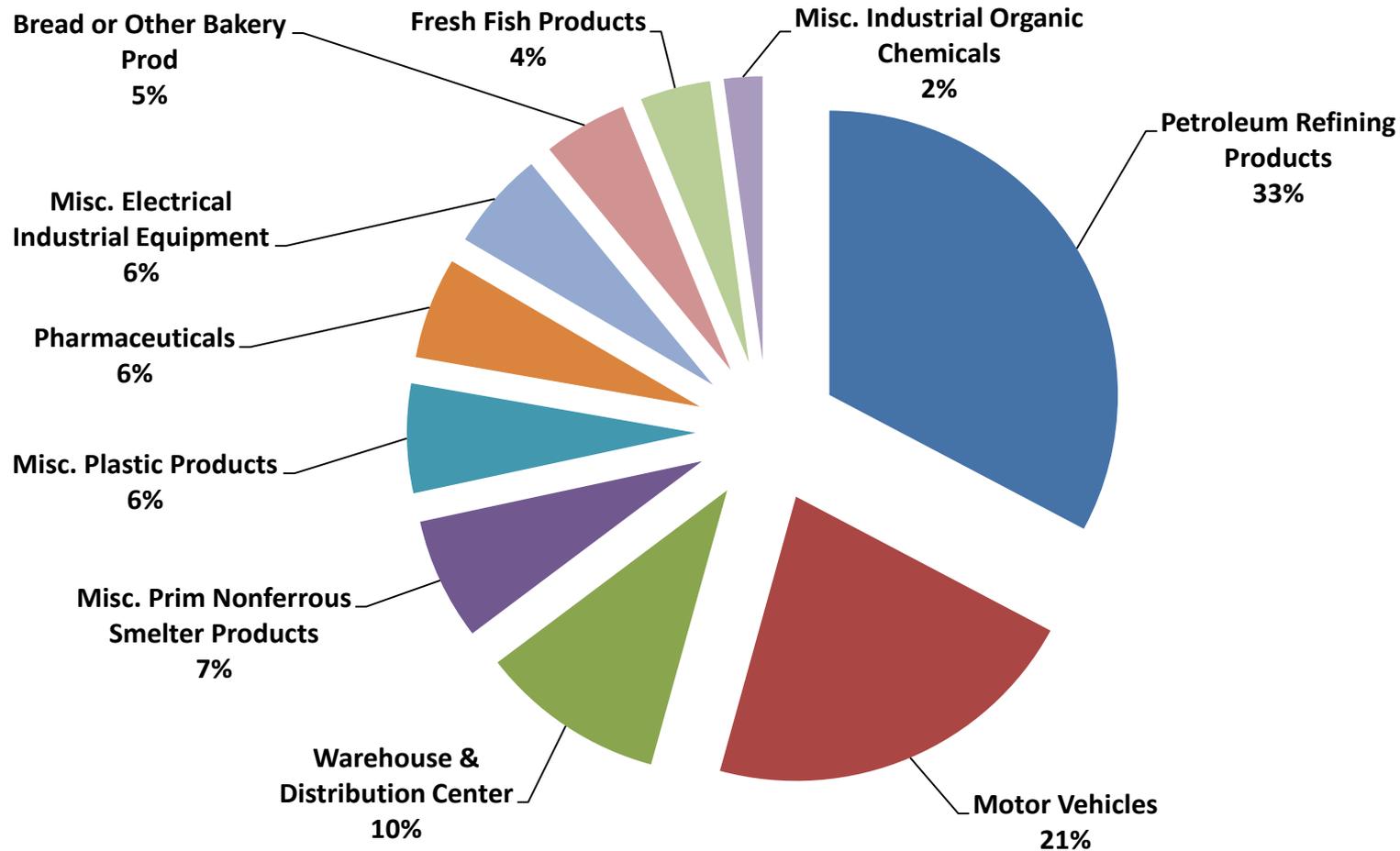
Commodity Flows in RI

all modes by tonnage



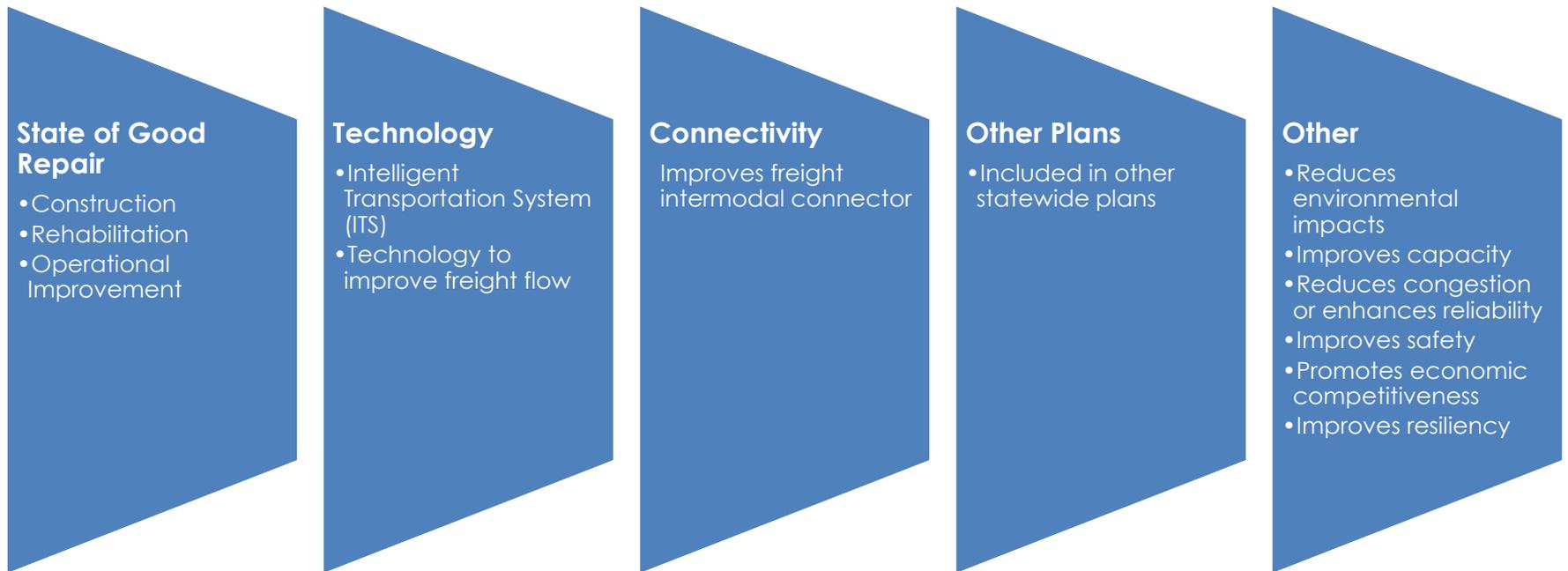
Commodity Flows in RI

all modes by value



Freight Project Prioritization -

Potential investments ranked by established criteria



Plan | Proposed Projects



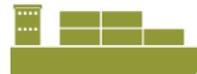
- A.** Replace I-95 Viaduct @ US-6 (Providence)
- B.** Improve Merge on I-95 NB @ Route 146 (Providence)
- C.** Create Access from Route 4 to I-95 South (East Greenwich)
- D.** Create Access from ProvPort to I-95 SB (Providence)
- E.** Replace 25 Deficient Bridges on Key Freight Corridors (Statewide)



- I.** Upgrade Existing T.F. Green Air Cargo Infrastructure (Warwick)
- J.** Add Capacity to Airport Road @ Post Road (Warwick)
- K.** Explore Cargo Potential of Southwest Development Area at T.F. Green Airport (Warwick)



- L.** Improve Vertical Clearance on Rail Lines Serving Davisville (North Kingstown)
- M.** Construct Quonset Rail Sidings (North Kingstown)
- N.** N Romano Vineyard Way Rail Crossing Improvements (North Kingstown)
- O.** Study to alleviate Restrictions in Providence Amtrak Tunnel (Providence)
- P.** Study Potential to Add Northeast Corridor (NEC) Freight Capacity (Statewide)



- F.** Upgrade Davisville Pier 1 (North Kingstown)
- G.** Upgrade Davisville Pier 2 (North Kingstown)
- H.** Improve Terminal Road Intersection (Providence)



Freight Policy Challenges

- State Level Responsibilities / Freight Leadership?
 - RIDOT Official Freight Coordinator
- Additional Capacity Building – at Division of Planning & RIDOT
- How to best Utilize Freight Transportation Funding
- Land Use and Development – Municipal Education
- Regional Coordination
- Resilience of the Freight Network

Next Steps

FFY 2019 UPWP Freight Projects Under Consideration

- Goal - Educate Municipalities on the Benefits of Preserving/Zoning Land For Freight and Freight Related Industries
- Action - Municipal Freight Scans

Municipal Freight Scans

Focus on a Municipality's freight activity for 1 month

Some of the activities undertaken could include:

- Review the freight/transportation components/element of the municipal comprehensive plan
- Conduct meetings with key local freight stakeholders
- Prepare municipal specific freight data originating from the Freight and Goods Movement Plan
- Organize field views of representative freight facilities in that municipality
- Documented signature supply chain case studies
- Mapping Information – Major Transportation Facilities, Freight generators, special areas (ports, industrial locations, etc)
- Final Product – Freight Related Brochure

Next Steps

FFY 2019 UPWP Freight Projects Under Consideration

- Freight Finder - Online Mapper
- Truck Model Component to the Rhode Island State Travel Demand Model to validate the short and long-term strategies for multi-modal freight investments to 2040
- Update to the State Rail Plan

Next Steps

FFY 2019 UPWP Freight Projects Under Consideration

- Use STORMTOOLS and other existing data to identify specific freight assets and facilities vulnerable to the impacts of flooding, storm surges, and sea level rise



FREIGHT FORWARD

RI



Planning Our Future

Questions / Comments

