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# Massachusetts Freight Plan: Critical Rural and Urban Freight Corridors

Draft for Public Review

Cape Cod Metropolitan Planning Organization

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# Massachusetts Freight Plan – Goals and Outcomes

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- Fulfill all federal requirements for State Freight Plans
- Articulate short-term and long-term goals, recommendations, and strategies to improve the freight system in Massachusetts
- Use public process to raise awareness of freight's role in the economy and transportation system
- Use scenario planning approach to address an uncertain future and develop strategies that function in multiple potential futures
- Focus heavily on policy solutions in addition to infrastructure
- <http://www.massdot.state.ma.us/planning/Main/StatewidePlans/FreightPlan.aspx>

# State Freight Plans

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- State Freight Plans are required by FAST Act in order to access freight formula funds
- Must be updated every five years
- Ten federal requirements for State Freight Plans, but flexibility for States in other respects
  1. Identify significant freight system trends, needs, and issues
  2. Describe freight policies, strategies, and performance measures that will guide freight investments
  3. Listing of multimodal critical rural freight corridors (§70103 of Title 49); listing of critical rural and urban freight corridors (§167 of Title 23)
  4. Describe how Plan will meet national multimodal freight policy goals
  5. Consider innovative technologies and operational strategies to improve efficiency and safety of freight movement
  6. Describe improvements to reduce deterioration of roads on which heavy vehicles cause substantial deterioration
  7. Inventory of facilities with freight mobility issues and strategies to address
  8. Consider significant congestion or delay caused by freight movement and strategies to address
  9. Freight investment plan with priority projects and sources of funds
  10. Consultation with State Freight Advisory Committee

# National Highway Freight Network – Cont.

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- ★ • **Critical Rural Freight Corridors (CRFCs):** Public roads not in an urbanized area which provide access and connection to the PHFS and the Interstate with other important ports, public transportation facilities, or other intermodal freight facilities
- ★ • **Critical Urban Freight Corridors (CUFCs):** Public roads in urbanized areas which provide access and connection to the PHFS and the Interstate with other ports, public transportation facilities, or other intermodal transportation facilities

# Designation of CRFCs and CUFCs

MPO	Rural (%)*	Urban (%)*	CRFC miles†	CUFC miles†
Berkshire	20.96	2.39	31.44	1.79
Boston Region	1.16	37.52	1.75	28.14
Cape Cod	1.30	7.15	1.95	5.36
Central Mass.	15.47	9.75	23.21	7.31
Franklin	22.26	1.09	33.39	0.82
Martha's Vineyard	1.20	0.38	1.80	0.29
Montachusett	9.83	5.12	14.75	3.84
Merrimack Valley	0.77	5.27	1.15	3.96
Nantucket	0.98	0.28	1.48	0.21
N. Middlesex	0.53	4.51	0.79	3.38
Old Colony	0.56	5.18	0.84	3.88
Pioneer Valley	22.70	9.74	34.05	7.31
S.E. Mass.	2.27	11.61	3.40	8.70
Total Massachusetts	<b>100.00</b>	<b>100.00</b>	<b>150.00</b>	<b>75.00</b>

\* Percent of Massachusetts' non-Interstate public road centerline mileage

† Suggested centerline mileage based on Rural and Urban percentages



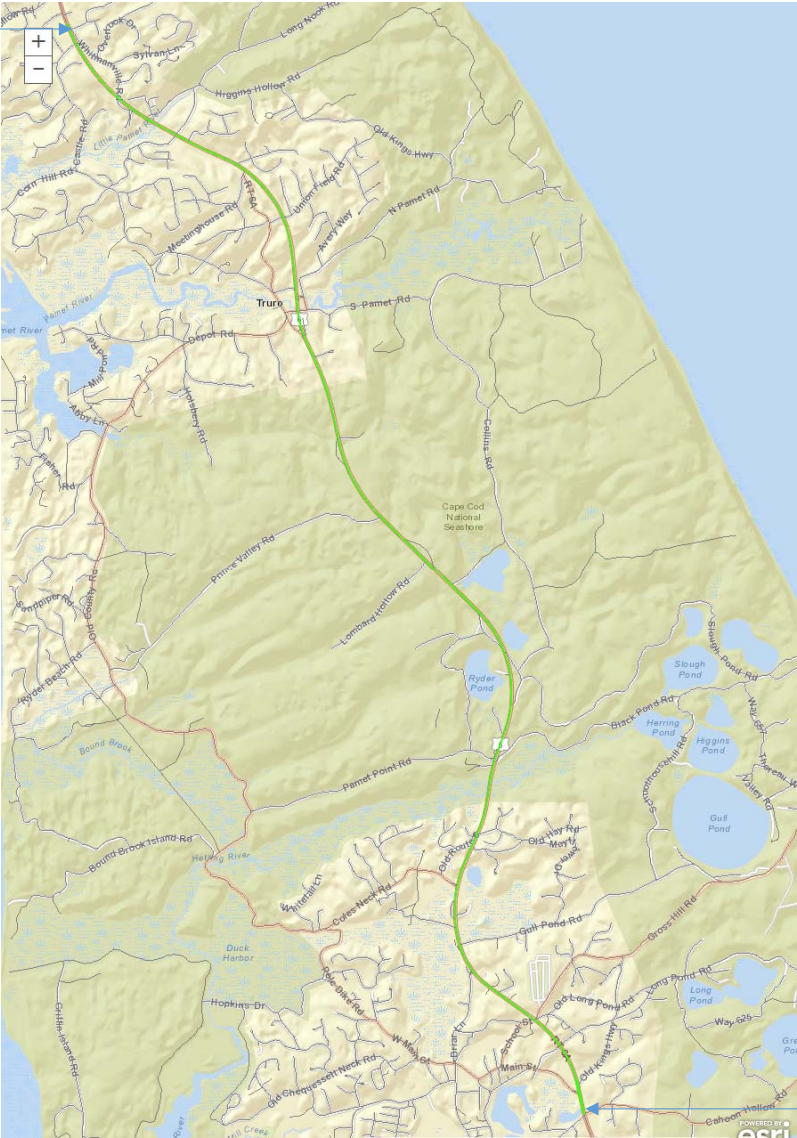
# Designation Process

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- January and February: RPAs determine candidate CRFCs and CUFCs and send to MassDOT to ensure under 150/75 mile limits when aggregated
- March: RPAs propose CRFCs and CUFCs to MPOs at March MPO meetings and release for public comment
- April: MPOs vote on designation of CRFCs and CUFCs
- May: MassDOT certifies and submits CRFC and CUFC (on behalf of MPOs) designations to FHWA
- July: CRFCs and CUFCs are included in Massachusetts Freight Plan and projects on these corridors are eligible for NHFP funds

Truro: Whitmanville Road

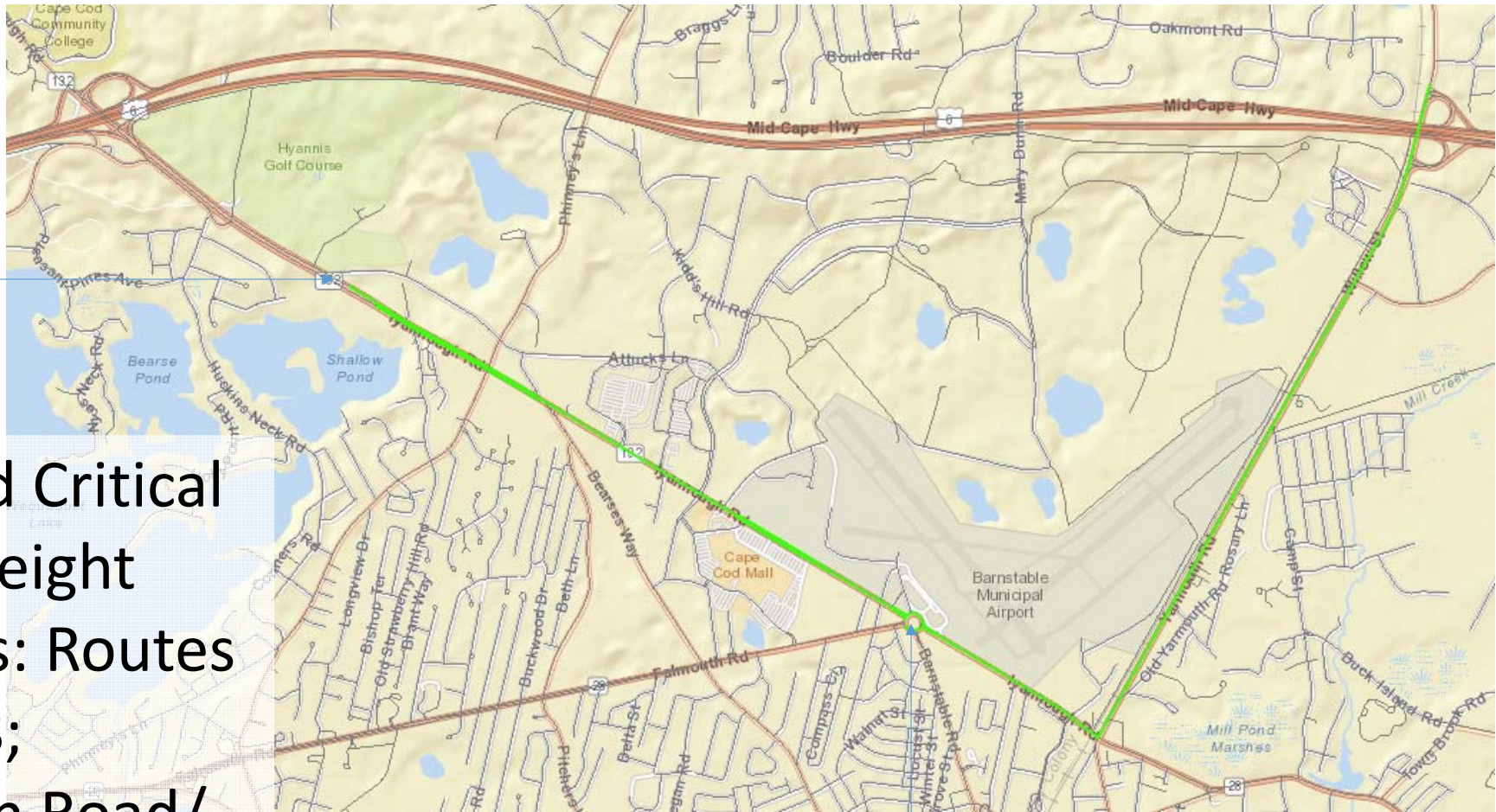
# Proposed Critical Rural Freight Corridor: Route 6



Wellfleet: Cahoon Hollow Road

Attucks Way

Proposed Critical  
Urban Freight  
Corridors: Routes  
132 & 28;  
Yarmouth Road/  
Willow Street



Airport Rotary



CRITICAL RURAL FREIGHT CORRIDORS (Cape Cod)										
Route ID	Route Number	Street Name	Town	Start	End	Length	CRFC_ID	Functional Class	Justification	Priority Ranking
US6	6	Route 6	Wellfleet/Truro	Cahoon Hollow Road (Wellfleet)	Whitmanville Road (Truro)	6.5995	G	Rural Principal Arterial	Primary access route (rural) connecting Airport, Ferry, employment centers in Provincetown area to remainder of Cape Cod region	5
US6	6	Route 6	Wellfleet	Cahoon Hollow Road	Herring River	1.95	G	Rural Principal Arterial	Primary access route (rural) connecting Airport, Ferry, employment centers in Provincetown area to remainder of Cape Cod region. Alternative to Priority #5 to meet MassDOT target mileage	6
TOTAL						1.95				
TARGET						1.95				
CRITICAL URBAN FREIGHT CORRIDORS (Cape Cod)										
Route ID	Route Number	Street Name	Town	Start Point	End Point	Length	CUFC_ID	Functional Class	Justification	Priority Ranking
N306		Yarmouth Road	Barnstable	Route 28	Willow Street (Yarmouth town line)	2.1306	K	Urban Principal Arterial	Primary access route (urban) connecting Airport, Ferry, employment centers in Hyannis area to remainder of Cape Cod region	1
SR28	28	Route 28	Barnstable	Airport Rotary (Route 132)	Yarmouth Road	0.7052	K	Urban Principal Arterial	Primary access route (urban) connecting Airport, Ferry, employment centers in Hyannis area to remainder of Cape Cod region	2
SR132	132	Route 132	Barnstable	Attucks Way	Airport Rotary (Route 28)	1.7012	K	Urban Principal Arterial	Primary access route (urban) connecting Airport, Ferry, employment centers in Hyannis area to remainder of Cape Cod region	3
N3229		Willow Street	Yarmouth Road	Route 6 exit 7	Yarmouth Road (Barnstable town line)	0.143	K	Urban Principal Arterial	Primary access route (urban) connecting Airport, Ferry, employment centers in Hyannis area to remainder of Cape Cod region	4
TOTAL						4.68				
TARGET						4.68				

# Route/facility descriptor

- CRFC\_ID (Critical Rural Freight Corridor Identifier)
  - G: Corridor that is vital to improving the efficient movement of freight of importance to the economy of the State.
- CUFC\_ID (Critical Urban Freight Corridor Identifier)
  - K: (Urban) Corridor that is important to the movement of freight within the region, as determined by the MPO or the State