



# Water Transportation Study + Regional Ferry Update

# MBTA 2018 Ferry Update

Hewitt's Cove  
(Hingham)

Pemberton Point  
(Hull)

Navy Yard/Pier 4  
(Charlestown)

- All existing service preserved
- Current service is out to bid with flexibility in the new contract for continued modifications

The Study:

- Ideas for service improvements in the future based on ridership model still need to be feasibility tested with MBTA Operations staff, dock owners and many other key stakeholders



# Other MBTA/MassDOT Activities/Support in 2018

## Blossom St Pier (Lynn)

MassDOT + the MBTA continue to support City of Lynn in the procurement of the City's new ferry (funding is a federal earmark)

## Squantum Point (Quincy)

City of Quincy's service included in Winthrop Route. MassDOT + the MBTA will assist in promoting the service as an alternative during the closure of the Wollaston station and the North Quincy TOD Project. Ridership is being monitored.



# Other Regional Ferry Service 2018 Update

## Salem Ferry Terminal

City of Salem's seasonal service will begin May 19 connecting to Downtown Boston (Long Wharf) with continued \$8 commuter boat pricing.

## Winthrop/Quincy/ Boston Service

Town of Winthrop's seasonal service begins **TODAY (April 23)** with stops in Winthrop, Quincy (Squantum Point), Seaport (Fan Pier), and Downtown Boston (New England Aquarium).

## North Station/ Seaport Service

MCCA is soliciting proposals (due May 9) for its ferry service between North Station (Lovejoy Wharf) and Seaport (Fan Pier). Service is anticipated to begin in September.



# Two Water Transportation Studies

## Comprehensive Boston Harbor Water Transportation Study and Business Plans

Comprehensive business plans for up to three financially sustainable services that can be launched in one to five years.

## Water Transportation Strategy for the Boston Harbor Islands National and State Park

An RFI and RFP to procure a ferry service operator for the islands in 2019 and beyond



# Comprehensive Boston Harbor Water Transportation Study and Business Plans

Up to three financially sustainable services that could be launched in one to five years

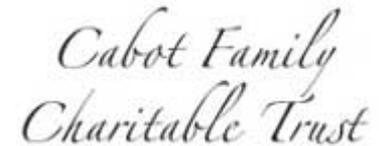
Launched in response to the desires and efforts of municipalities and other stakeholders for new ferry service

Does not assume that new service will be operated the MBTA or MassDOT



# Study Sponsors

- MassDOT
- Massport
- National Park Service
- Seaport Economic Council of the Executive Office of Housing and Economic Development
- Massachusetts Convention Center Authority
- The Barr Foundation
- Cabot Family Charitable Trust
- Envoy Hotel
- Clippership Wharf



# Water Transportation Study Process in 2017

Existing  
Conditions  
Report

National  
Best Practices  
Report

**30**  
site profiles

**12** sites  
selected for  
modeling

**3** water  
transportation  
stakeholder

**150**  
participants  
at day-long open  
house



# Water Transportation Study Process in 2018

**12** sites  
with models for  
estimated  
ridership demand

**2** routes  
with detailed  
market and  
feasibility analysis

**Model** congestion  
mitigation and  
reduced  
emissions

**Financial Model  
+ Business  
Plans** for up to 3  
new routes based  
on these findings

**3,689**  
responses  
to the stated  
preference survey

+ estimates of  
ridership, time savings,  
operating costs,  
deficits/ subsidies,  
seasonality

**Public Event**  
to release study  
and business  
plans



# Current Study Focus + Deliverables

- **Ridership modeling**
- **Dock condition analysis** and long term investment strategy for system development and required actions for early implementation
- **Route configurations** and continued ridership modeling
- **Early business planning** efforts including long term viability and cost of concept vessels, and stakeholder identification



# Inner Harbor Sites Studied for “Circulator”

Ridership analysis and dock conditions focused on the selection of four sites for the Inner Harbor circulator:

Navy Yard Pier 4  
(Charlestown)

Lewis Mall  
(East Boston)

Lovejoy Wharf  
(North Station)

Logan Airport  
Ferry Terminal  
(East Boston)

Rowes Wharf  
(Downtown)

World Trade  
Center East  
(Seaport)

Long Wharf  
North, South,  
Central Wharf

Fan Pier / ICA  
(Seaport)



# Southern Sites Studied for New/Expanded Route

Marina Bay /  
Squantum Point  
(Quincy)

Service to Downtown Boston with emphasis on peak commuter service

Fallon Pier at  
Columbia Point  
(Dorchester)

Incorporate into Quincy service off peak

Primarily serving UMass students and JFK Library visitors



# Dock Condition Analysis

## Ideal Dock Condition Criteria

- ADA compliant access
- Shelter + ticketing areas
- Bow-loading fenders
- Custom site requirement and considerations with operations considerations

## Premium Transit Components

- ITS systems
- Terminal identity and signage
- Safety equipment package
- Bike storage
- Conditions surveys and additional custom site elements



# Next Steps and Timing

## Spring 2018

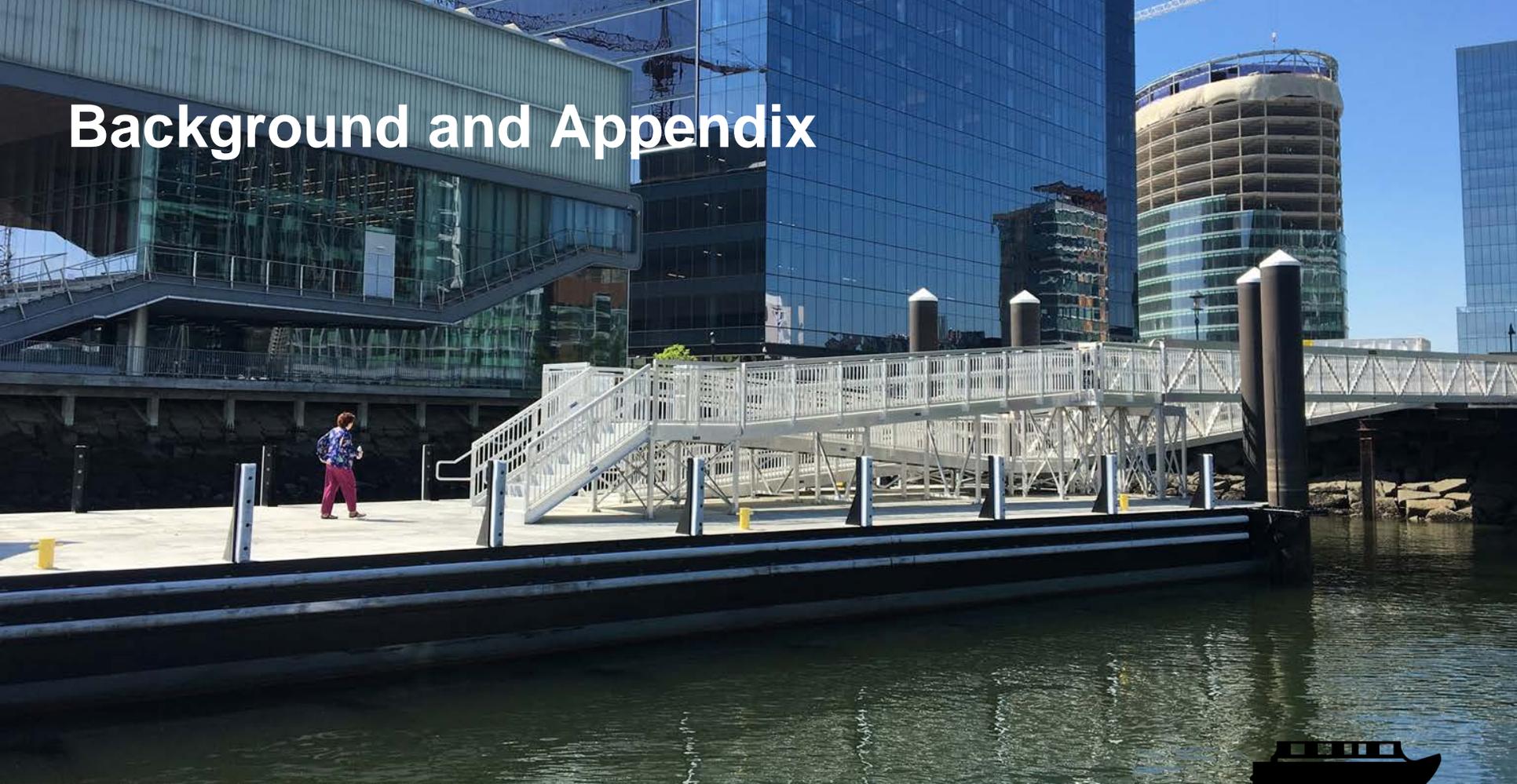
- **Presentation** to Water Transportation Advisory Council
- **Municipal meetings** focused on key stakeholder identification vetting, early partnership development

## Summer 2018

- **Business Plans** for Inner Harbor Circulator and Quincy Route with estimated ridership and operating costs, route and schedule configurations, vessel recommendations,
- **Municipal Reports** on dock conditions and ridership potential
- **Comprehensive Reports** on existing conditions and national best practices



# Background and Appendix



# Inner Harbor Dock Condition Analysis

Dock Site	Ownership	Est. cost for ideal dock	Est. add'l cost for premium dock
Lewis Mall (East Boston)	Massport, City of Boston	\$3,250,000	+ \$180,000
Navy Yard/Pier 4 (Charlestown)	City of Boston	\$670,000	+ \$490,000
Long Wharf North + South	MBTA, City of Boston	\$490,000	+ \$260,000
Fan Pier / ICA (Seaport)	Fan Pier (private)	\$110,000	+ \$170,000



# Other Inner Harbor Dock Condition Analysis

Dock Site	Ownership	Est. cost for ideal dock	Est. add'l cost for premium dock
Logan Airport Ferry Terminal	Massport	----	+ \$130,000
Lovejoy Wharf (North Station) *	Lovejoy Wharf (private)	\$2,360,000 *	+ \$130,000
Rowes Wharf (Downtown)	Rowes Wharf (private)	\$6,340,000	+ \$190,000
World Trade Center East (Seaport)	Massport	\$6,320,000	+ \$130,000

\* A new dock will be constructed in Spring/Summer 2018



# Southern Dock Condition Analysis

Dock Site	Ownership	Est. cost for ideal dock	Est. add'l cost for premium dock
Fallon Pier at Columbia Point (Dorchester)	JFK Library	\$4,920,000	+ \$140,000
Marina Bay/Squantum Point (Quincy)	DCR	\$4,710,000	+ \$730,000
Hewitt's Cove (Hingham)	DCR	\$2,740,000	+ \$150,000
Pemberton Point (Hull)	Town of Hull, MBTA	\$240,000	+ \$130,000





Winthrop Seaport Boston Quincy Ferry Spring 2018 Schedule

April 23rd through June 17th

Weekday Departure Schedule (*commuter times in red*)

Winthrop 6:00 AM	Quincy 6:30 AM	Aquarium/Financial District 6:55 AM	Quincy 7:30 AM	Winthrop 7:55 AM	Seaport 8:20 AM	Aquarium/Financial District 8:35 AM
Winthrop 10:00 AM	Seaport 10:20 AM	Aquarium/Financial District 10:35 AM	Seaport 10:50 AM			
Winthrop 3:00 PM	Seaport 3:20 PM	Aquarium/Financial District 3:30 PM	Winthrop 4:00 PM	Seaport 4:20 PM	Aquarium/Financial District 4:35 PM	Quincy 5:00 PM
Winthrop 5:25 PM	Aquarium/Financial District 5:45 PM	Seaport 5:55 PM	Winthrop 6:20 PM	Quincy 6:50 PM	Winthrop Arrival Only 7:20 PM	
THURSDAY/FRIDAY ONLY	Winthrop 7:30 PM	Seaport 7:50 PM	Aquarium/Financial District 8:05 PM	Winthrop 8:35 PM		Weekday Afternoon Charters available 12 to 3 PM  \$200 /hour Minimum 2 hours
	Quincy 9:00 PM	Aquarium/Financial District 9:25 PM	Seaport 9:35 PM	Winthrop Arrival Only 10:00 PM		

Saturday/Sunday Departure Schedule

Winthrop 9:30 AM	Seaport 9:50 AM	Aquarium/Financial District 10:05 AM	Quincy 10:35 AM	Seaport 11:05 AM	Aquarium/Financial District 11:20 AM	Winthrop 12:00 PM
Seaport 12:20 PM	Aquarium/Financial District 12:35 PM	Seaport Arrival Only 12:50 PM	Winthrop 3:30 PM	Seaport 3:50 PM	Aquarium/Financial District 4:05 PM	Quincy 4:35 PM
Seaport 5:05 PM	Aquarium/Financial District 5:20 PM	Winthrop 6:00 PM	Seaport 6:20 PM	Aquarium/Financial District 6:35 PM	Seaport 6:50 PM	Winthrop 7:30 PM
Seaport 7:50 PM	Aquarium/Financial District 8:05 PM	Quincy 8:35 PM	Seaport 9:05 PM	Aquarium/Financial District 9:20 PM	Winthrop Arrival Only 9:45 PM	

# Quincy/ Winthrop Spring Schedule



Thank You

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