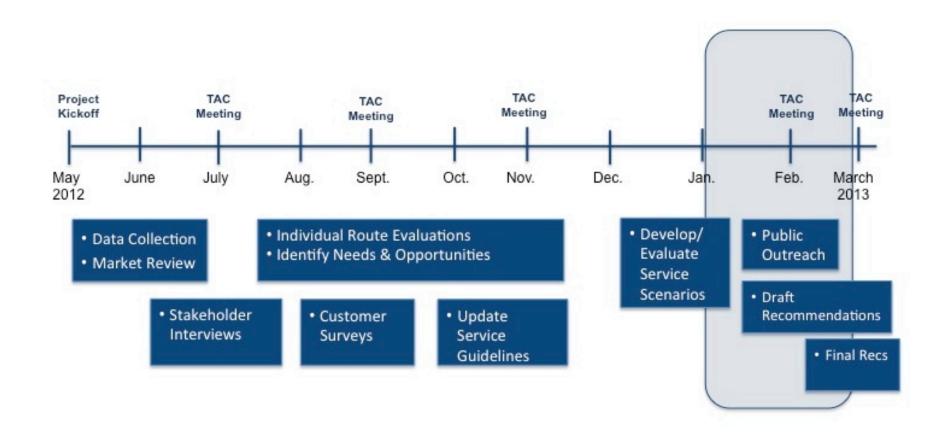


# Today's Agenda

- 1. Project Update
- 2. Overview of Service Scenarios
- 3. Ongoing Public Outreach
- 4. Advisory Committee Discussion/Input
- 5. Next Steps

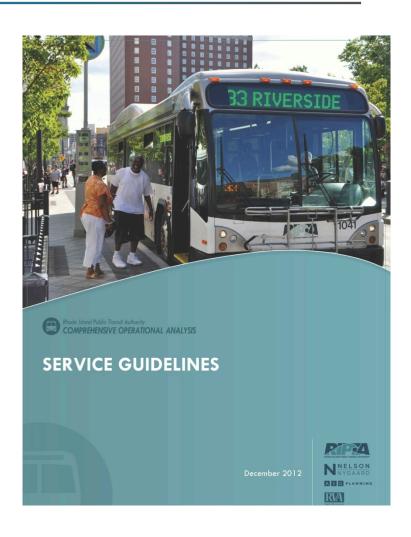


#### **COA Timeline**



#### **Project Update**

- RIPTA Board approved updated Service Guidelines in December
  - Family of Services
  - Guidelines for frequency, span of service, bus stop spacing, etc.
- Route Evaluations complete
  - 700 comments received
- Service Guidelines and Route Evaluation findings/comments used to develop Scenarios





#### **Service Scenarios**

- Service scenarios present combinations of options for improving RIPTA service
- Designed to make service:
  - Easier to use
  - Easier to understand
  - More convenient
  - Faster and more direct
  - More productive
- Scenarios present choices for stakeholder input
- Scenarios are cost-neutral—adding in one place will require reducing in another
- Similar themes in both scenarios, but different ways to implement





#### **Service Scenarios**

- Service scenarios include many different types of improvements:
  - Service design
  - Schedule
  - Branding and public information
- Potential changes are presented for every route



#### Service Design

- Provide a "family of services" better matched to specific needs
- Develop a Frequent Service Network
  - Rapid Bus (R-Line)
  - Key Corridor Routes
  - Transit Emphasis Corridors
- Simplify service
- Improve hubs and develop Superstops
- Expand service to new areas
- Better integrate RIPTA and commuter rail service
- Improve express service
- Consolidate stops to speed service
- Consolidate duplicative services
- Discontinue some very poorly utilized services





# **Schedule Changes**

- Operate service with regular/clockface headways
- Coordinate schedules
- Revise service frequencies and spans to better match demand
- Introduce all day scheduled Flex/fixed-route connections



#### **Branding and Public Information**

- Renumber and rename some routes to improve legibility/avoid confusion
- Highlight Frequent Service Network
- Improve schedule brochures and maps



# **Family of Services**

Service Type	Characteristics
Rapid Bus	Frequent, limited stop service using distinct vehicles and intelligent technology to reduce travel time
Key Corridor	Highest ridership or most productive routes offering direct service on major roads.
Urban Arterial	Operated in densely developed areas, serving downtown Providence or Pawtucket.
Crosstown/Suburban/ Non-Urban	Operate outside the urban core, but may serve a hub via a more indirect or "crosstown" route.
Regional	Provide service between regional centers: Providence, Woonsocket, Newport, URI.
Express/Commuter	Designed primarily to serve commuters
Flex	Service to low density areas with demonstrated need



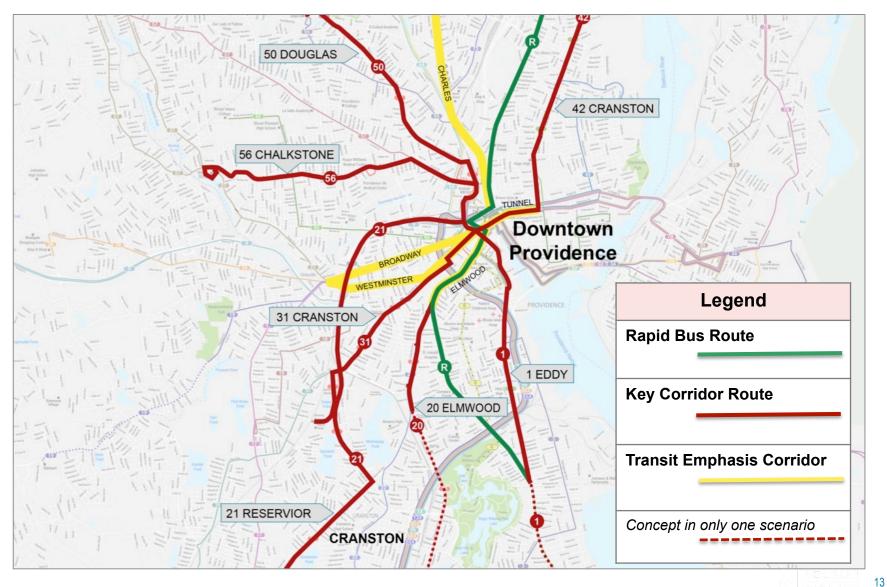




#### **Develop Frequent Service Network**

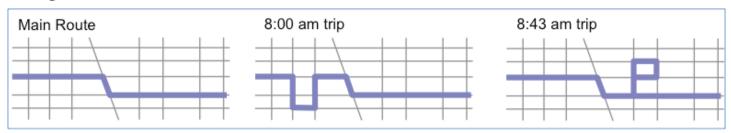
- Transit is most attractive when when people can easily understand what it does and use it without a schedule
- Orient service around Frequent Service Network:
  - Rapid Bus (R-Line)
  - Key Corridor Routes
  - Transit Emphasis Corridors
- Key characteristics:
  - Faster: service on arterial streets with appropriately space stops
  - Frequent: Contingent upon RIPTA's financial capabilities, every 10 to 15 minutes during peaks; every 10 to 20 minutes during the midday.
  - Long span of service: from early morning until late night
  - Every day: seven day a week service

# **Proposed Frequent Service Network**



# **Simplify Service**

- Service changes based on following principles:
  - Routes should operate along direct path
  - Route deviations should be minimized (unless safety issue)
  - Major routes should operate on arterial streets
  - Routes should be symmetrical
  - Routes should serve well-designed markets
- Major issue is variants (detours)



- Redesign approach:
  - If significant demand along variants, all service should go there
  - If not, discontinue detour
- Emphasize service to many rather than service to few

#### **Transit Hubs**

- Much of RIPTA's service is already focused around transit hubs:
  - Kennedy Plaza
  - Pawtucket Transit Center
  - Newport Gateway Center
- Improvements to existing hubs and new hubs would enhance and expand travel opportunities



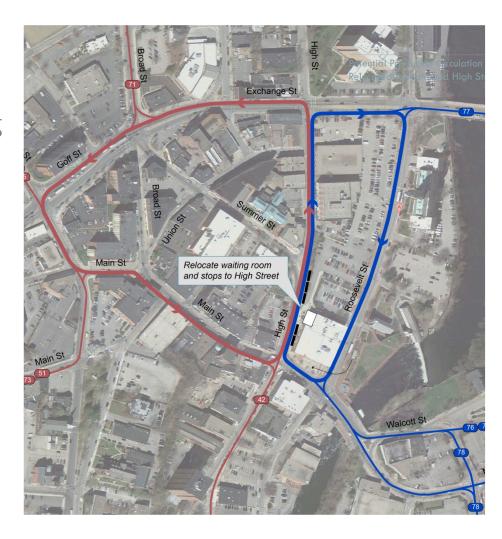
# Kennedy Plaza

- Still a work in progress, but...
  - New and improved bus berths
  - Grouping of routes to make it easier for passengers to find and catch the first bus.
  - Fewer berths/more space for waiting passengers
  - Transit building improvements
  - Better integration with surrounding area



#### **Pawtucket Transit Center**

- Also a work in progress...
  - Relocation of the waiting room, bus berths, and other facilities to High Street
  - Closer to downtown activities
  - More efficient bus circulation through downtown



#### **Warwick Transit Center**

- Southern counterpart to Pawtucket
  - Strong connections to downtown Providence (Key Corridor service)
  - New and improved connections throughout Warwick and points south



#### **Develop Superstops**

Important transfer locations with enhanced passenger amenities



#### **New and Expanded Service**

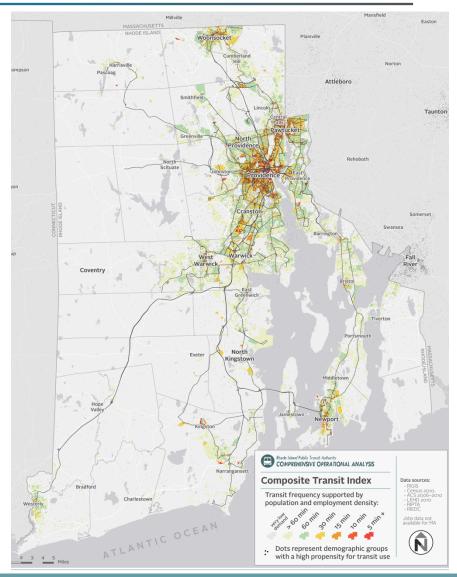
- RIPTA provides service to most but not all areas that can support acceptably productive transit
- Scenarios include service expansion; for example:
  - New Key Corridor bus service between the Warwick Mall hub and downtown Providence
  - More frequent service to T.F. Green Airport and InterLink Station
  - Cranston cross-town service (Scenario 2)
  - Regular service to Bryant College and Smithfield Crossing
  - Service to Center of New England
  - More frequent and faster regional service (Woonsocket and Newport)





#### New and Expanded Service

- But: productive transit not feasible in all areas where people want it; for example:
  - Quonset Point
  - Tiverton
  - Rural areas of South County
  - Rail feeder service at southern stations
- Expansion limited to areas that can support acceptably productive service



#### Better Integrate Bus Transit with Commuter Rail

#### Providence Station:

Francis/Gaspee Transit Emphasis
 Corridor to improve link to downtown

#### Warwick/Interlink:

- Service between station and downtown to facilitate use of RIPTA in one direction and CR in other
- Connections from West Bay and Warwick (Scenario 1)

#### Wickford Junction:

 Express bus service via station to facilitate use of RIPTA in one direction and CR in other

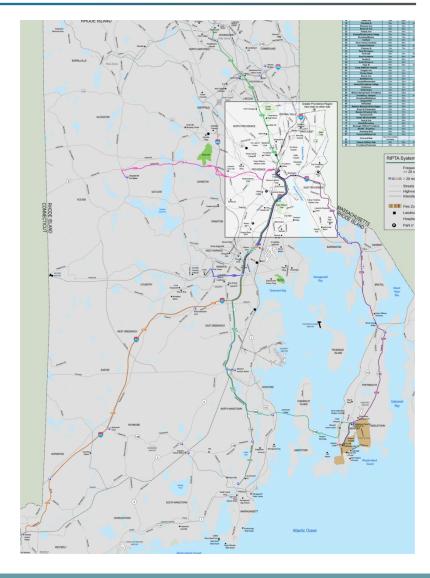
#### South Attleboro:

New feeder service



#### Improve Express Service

- Current service difficult to understand, and some creates gaps in local service
- Both scenarios improve express service:
  - Simplified service structure
  - Unique branding of all express service
  - Minimum of three AM inbound and three PM outbound trips on most routes.



# Consolidate Bus Stops

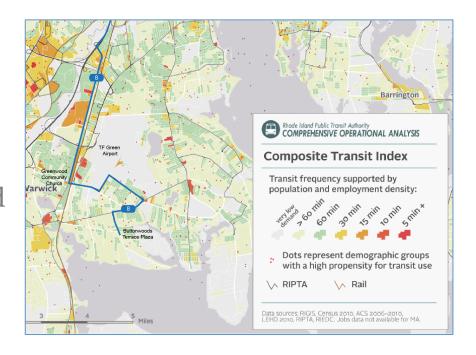
- Stop spacing involves a balance between making service reasonably fast and making it easy to get to
- RIPTA's current stop spacings are heavily skewed to minimizing walk distances at the expense of travel time
- Most riders prefer to walk slightly farther in exchange for faster service
- Stops to be re-spaced based on new Service Guidelines

#### Westminster Street Stop Spacings



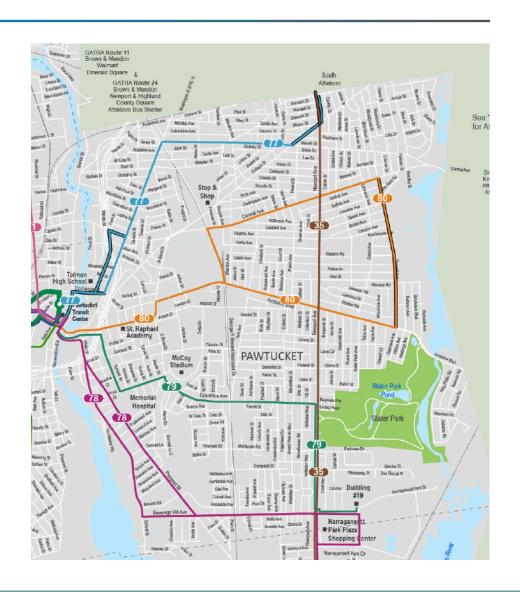
# **Discontinue Poorly Utilized Services**

- On some routes, ridership is very low, and well below the levels required by RIPTA's new Service Guidelines
- First priority was to identify changes to increase ridership that would increase ridership to acceptable levels.
- But in some cases not possible:
  - In a few cases, entire routes discontinued (Routes 8, 49, & 90S (Scenario 1))
  - In most cases, poorly utilized variants discontinued to improve service for large majority of riders inconvenienced by service irregularities



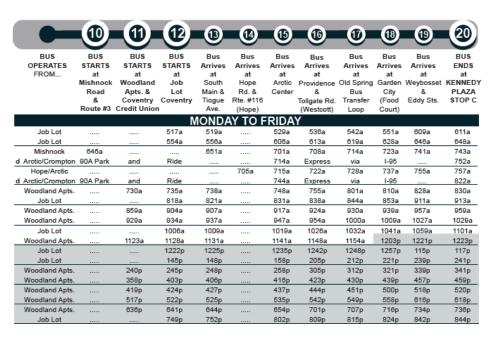
#### **Consolidate Duplicative Routes**

- In some areas, routes compete instead of compliment each other; for example:
  - The Route 146 corridor between Woonsocket and Providence
  - Eastern Pawtucket
  - Charles Street between
     Mineral Spring Avenue
     and downtown
     Providence
- Changes proposed to consolidate service to improve productivity



#### **Schedule Improvements**

- Both scenarios would:
  - Revise schedules to make service operate much more consistently
  - Greatly improve coordination between routes and in corridors where multiple routes operate
- Changes based on following principles:
  - Service levels should be set based on Service Guidelines
  - Service and schedules should be based on repeating patterns
  - Services should be well coordinated



# Schedule Service with Regular Headways

- People can remember repeating patterns much better than irregular patterns
- It's also easier to remember schedules that repeat at the same time every hour (clockface headways)
- Both scenarios would reschedule most routes to operate with regular clockface headways

DEPARTURE TIME						
BAD (NON-REPEATING PATTERN)	BETTER (REPEATING PATTERN)	BEST (REPEATING PATTERN + CLOCKFACE TIMES)				
7:00	7:00	7:00				
7:12	7:14	7:15				
7:35	7:28	7:30				
7:50	7:42	7:45				
8:05	7:56	8:00				
8:15	8:10	8:15				
8:30	8:24	8:30				
8:40	8:38	845				

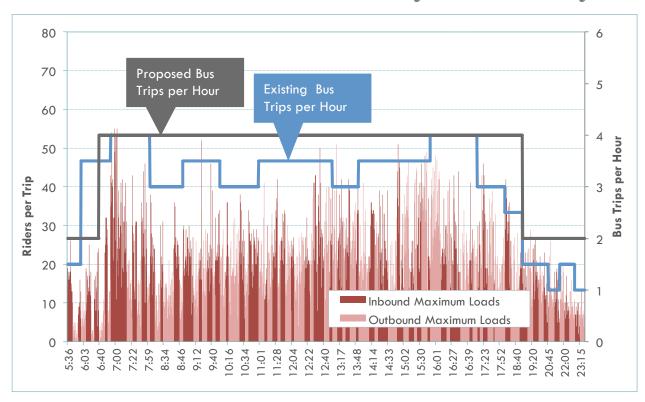
#### **Coordinate Services**

- RIPTA's current irregular schedules mean that coordinated service cannot be provided:
  - Long transfer times
  - Some buses will operate back-to-back followed by gaps in service
- Clockface headways will enable:
  - Timed-transfers
  - Pulse service at Gateway Center
  - Even headways in Transit Emphasis Corridors to eliminate bunching and gaps

EXISTING		PROPOSED	
ROUTE	DEPAURTURE	ROUTE	DEPARTURE
27	4:06 PM	27	4:00 PM
28	4:10 PM	28	4:10 PM
27	4:25 PM	27	4:20 PM
28	4:30 PM	28	4:30 PM
27	4:44 PM	27	4:40 PM
28	4:50 PM	28	4:50 PM
28	5:10 PM	27	5:00 PM
28	5:30 PM	28	5:10 PM
27	5:34 PM	27	5:20 PM
28	5:55 PM	28	5:30 PM
27	6:04 PM	27	5:40 PM
	-	28	5:50 PM

# Scheduling: Adjust Trip Frequencies

- On some routes, too much service is provided
- On others, too little service is provided
- Service frequencies would be adjusted to better match service levels with demand by time of day.



# Scheduling: Adjust Service Span

- Similarly, some routes begin service too early or too late, and/or end service too early or too late.
- Service start and end times adjusted based on Service Guidelines.



# **Branding and Public Information**

- For people to be able to use transit, they must first know that it is there and be able to understand how to use it.
- Extremely important to provide clear and concise information on their available services.
- Proposed improvements include:
  - Renumbering and naming some routes to provide greater clarity on where they go
  - Improving schedule brochures
  - Improving RIPTA's system map.

# 31 Cranston St. Continuing through-city to 56 Chalkstone

31

56

FREE Schedule

Effective19/13
Printed 1/13

BUS SERVES
Brewery Parkade
Central / Classical
High Schools
Hoyle Square
Mt. Pleasant
Providence Station
Amtrak MBTA
State Offices
West End

Now available at www.ripta.com

Try our new trip planner at www.google.com/transit

Convenient Through-City Routing



#### #31 CRANSTON / #56 Chalkstone SERVICE

Mon-Fri: Service 5:30am-11:30pm
Every 19 Min. All Day Every 50 min. Night

Saturday: Service 5:40am-11:21pm Every 27 min. All day

Sunday Service 7:10am-7:50pm / Holiday: Every 48 min. All day



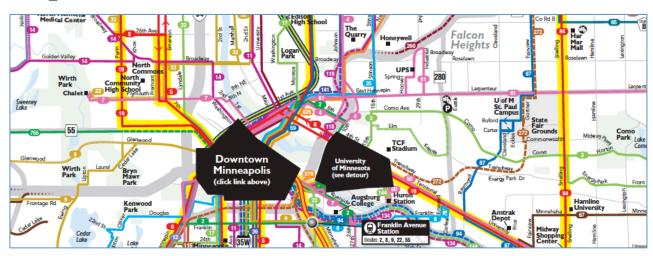
# Renumber/Rename

- RIPTA's existing branding includes confusing elements:
  - The use of a single route number for similar express and local routes
  - The use of legacy route numbers for routes that formerly operated independently but that have since been joined into single routes
- To improve clarity:
  - Express routes will be given unique numbers that clearly identify the nature of the service
  - Routes that have been combined will be re-designated with a single route number and name when it improves ease of use for customers.

Existing Number/Name	Scenario 1 New Number/Name	Scenario 2 New Number/Name
<ul><li>90 Park-n-Ride</li></ul>	<ul><li>13X West Warwick Express</li><li>54X Woonsocket Express</li></ul>	<ul><li>10X Scituate Express</li><li>13X West Warwick Express</li></ul>
	<ul><li>95X Westerly Express</li></ul>	<ul><li>54X Woonsocket Express</li><li>95X Westerly Express</li></ul>

#### Improve Schedule Maps and Brochures

- RIPTA mostly presents information on its existing services very effectively; however:
  - Many schedule brochures include route maps that are neither geographically correct or to scale
  - The Metro area system map excludes Warwick and Cranston
  - The system map does not include all express routes
- In conjunction with development of new materials required by COA changes, these materials will be improved.



#### Summary

- Service scenarios include large array of service design, schedule, and public information improvements and changes to improve productivity
- Service scenarios present potential changes to every route
- Emphasis on service to many rather than service to a few
- Designed to produce better system that is:
  - Easier to use
  - Easier to understand
  - More convenient
  - Faster and more direct
  - More productive





#### For More Information

- This presentation provides an overview of potential changes
- Much more detailed information is available:
  - A more detailed overview of the scenarios that expands on this presentation
  - A quick summary of the changes to each route
  - Descriptions of the specific changes that would be made to each route, including route maps
  - Metro area and statewide maps that illustrate the potential changes
- This information is available at: www.ripta.com/coa-service-scenarios

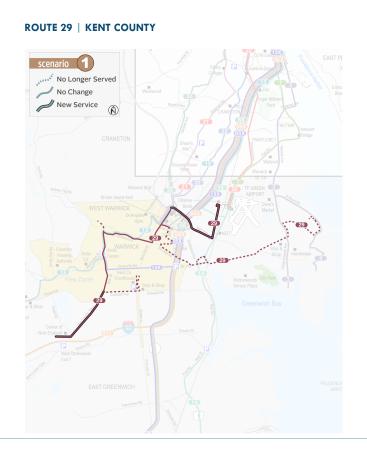






# **Ongoing Outreach**

 COA webpage updated to accept comments on Scenarios in "blog format"





#### **Ongoing Outreach**

- 7 "Open Houses" scheduled over next 2 weeks
  - Providence: February 25<sup>th</sup> and 28<sup>th</sup>
  - Warwick: February 25th
  - Narragansett: February 26th
  - Newport: February 27th
  - Glocester: March 4th
  - Barrington: March 6th
- Other presentations/meetings
  - Statewide Transportation Advisory Committee (TAC)
  - Accessible Transportation Advisory Committee (ATAC)
  - RIPTA Riders



# **Next Steps / COA Decisions**

- Obtain Public Input
- Evaluate Cost Impacts
  - ProJo article had it wrong! (2/8/13)
  - COA changes are being designed to improve service in a cost neutral manner.
- Make Recommendations to RIPTA Board
  - Work with Board subcommittee on implementation
- Tough Decisions ahead......
  - Improvements that cost money must be offset by actions that save money.
  - Need to balance ridership demands and coverage-based needs?
  - RIPTA has some very low ridership routes and variant services is there a point below which RIPTA should not provide service?





# **Discussion / Next Meeting**

- Discussion
- Final TAC Meeting
  - Late March?



