

**NRTA ADVISORY BOARD  
FAST FERRY PARK AND RIDE SERVICE**

April 2, 2014

# FAST FERRY PARK AND RIDE SERVICE

NRTA asked by BOS to zealously pursue service for this summer. NRTA Advisory Board supports this service to be pursued.

## OBJECTIVE

- Provide overnight parking option for fast ferry users
- Potential drop off/pick up location for fast ferry users
- Service Fast Ferries of Hy-Line and SSA
- Free parking to the user
- Private funding sources to fund the service

# FAST FERRY PARK AND RIDE SERVICE

- Park and Ride lot location 2 Fairgrounds Road, 101 spaces
- The work group identified the downtown stop for Hy-Line corner of Easy Street and Lower Main Street
- SSA stop would be identified at the terminal
- Because of the location of the Hy-Line stop the bus needs to travel on Easy Street to Lower Broad Street for the outbound trip regardless of which boat line is being served
- Estimated travel time 37-42 minutes round trip
- Route - In-bound: exit park and ride Lot onto Fairgrounds Road, Old South Road, Rotary, Orange Street, Union Street\*, Francis Street, Washington Street, Candle Street, Easy Street, Lower Broad Street. (\*potential to come in on Union Street, Salem Street, onto Candle Street). Out-bound: Lower Broad Street, South Water Street, Washington Street, Francis Street, Union Street, Orange Street, enter park and ride lot from Old South Road.
- Operation cost \$72/hr/bus (includes driver, fuel, insurance, management, maintenance etc. Does not include bus lease and associated costs)
- \$2.00 fare each way
- Marketing Costs to be paid for through NP&EDC Grant

# FAST FERRY PARK AND RIDE SERVICE

## CONSIDERATIONS

- Service that meets fast ferries
- Realistic schedule that takes into consideration: boat arrival and departure times, boat passenger disembarking time, baggage claim time, time to get to the bus stop (particularly the Hy-Line stop), passenger bus loading and unloading time, route time, travel time, traffic, user ease and convenience, and user expectations
- Available equipment (use of existing fleet spares and leasing of equipment  
Administrative issues - passenger counting, fare collection, internal controls, ADA, state regulations and insurance, etc)
- User's expectations - use the park and ride lot to get to the boat they will be able to get back to the park and ride lot
- Demand and capacity issues – this needs to be a serious consideration
- Service that will be successful (reliable) even as a trial basis for this summer
- Meet objective of providing overnight parking and operate bus(es) to Washington Street in proximity to the ferries – eliminating long headways by having to cross town twice and potentially boat departures and arrival waiting time, increasing frequency and providing flexibility to the user.

# FAST FERRY PARK AND RIDE SERVICE

## FAST FERRY BOAT SCHEDULES

Arrive	Depart	Boat Line
7:20 am	7:45 am	Hy-Line
9:15 am	9:30 am	SSA
10:10 am	10:35 am	Hy-Line
12:00 pm	12:30 pm	SSA
1:00 pm	1:25 pm	Hy-Line
3:00 pm	3:30 pm	SSA
4:10 pm	4:35 pm	Hy-Line
6:00 pm	6:15 pm	SSA
7:00 pm	7:20 pm	Hy-Line
8:30 pm	8:45 pm	SSA
9:45 pm	10:00 pm	Hy-Line

\*9:45 pm Hy-Line operates 5/14-9/4 daily, the Fridays only 9/5-10/10

# FAST FERRY PARK AND RIDE SERVICE

## 1 bus

	Bus	Bus Arrive			Bus	Bus Arrive
Boat line	from lot	Boat	boat departure	Boat arrival	from boat	Lot
Hy-Line	7:10	7:30	7:45	7:20	7:40	8:00
SSA	8:30	9:00	9:30	9:15	8:45	9:15
Hy-Line	9:20	9:50	10:35	10:10	10:30	11:00
<b>SSA</b>	<b>11:15</b>	<b>11:50</b>	<b>12:30</b>	<b>12:00</b>	<b>12:15</b>	<b>12:45</b>
<b>Hy-Line</b>	<b>12:45</b>	<b>1:15</b>	<b>1:25</b>	<b>1:00</b>	<b>1:30</b>	<b>2:00</b>
<b>SSA</b>	<b>2:30</b>	<b>3:10</b>	<b>3:30</b>	<b>3:00</b>	<b>3:20</b>	<b>3:50</b>
<b>Hy-Line</b>	<b>3:50</b>	<b>4:20</b>	<b>4:35</b>	<b>4:10</b>	<b>4:30</b>	<b>5:00</b>
<b>SSA</b>	<b>5:30</b>	<b>6:00</b>	<b>6:15</b>	<b>6:00</b>	<b>6:15</b>	<b>6:45</b>
Hy-Line	6:45	7:10	7:20	7:00	7:20	7:40
SSA	8:00	8:20	8:45	8:30	8:45	9:05
Hy-Line	9:15	9:40	10:00	9:45	10:00	10:20

# FAST FERRY PARK AND RIDE SERVICE

## 1 bus

- Potentially meets all fast ferries – however, there are times that ferry departures would be missed (there isn't ample travel time)
- 1 bus (use of existing NRTA equipment)
- Least expensive
- Least effective
- Does not allow for demand or capacity issues – this needs to be a serious consideration if there is any chance for success.

# FAST FERRY PARK AND RIDE SERVICE

1 bus Option 1 – 7 am – 11 pm

Cost/day	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)
\$ 1,152	\$ 140,544	\$ 126,264	\$91,008

1 bus Option 2 – 7 am – 8 pm (Does not service last SSA and Hy-Line fast ferries)

Cost/day	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)
\$ 936	\$ 114,192	\$ 100,152	\$ 73,944



# FAST FERRY PARK AND RIDE SERVICE

## 2 buses

Bus A	Bus A	Bus B	Bus B			which bus to use		
from 2 FG	from Boat	from Boat	from 2 FG	Boat Line	Boat Arrival	Bus depart boat	boat departure	Bus depart 2 FG
7:00 AM	7:30 AM	7:00 AM	7:30 AM	Hy-Line	7:20 AM	Bus A 7:30 or Bus B 8:00	7:45 AM	Bus A 7:00
8:00 AM	8:30 AM	8:00 AM	8:30 AM	SSA	9:15 AM	Bus A 9:30 or Bus B 10:00	9:30 AM	Bus A 9:00 or Bus B 8:30
9:00 AM	9:30 AM	9:00 AM	9:30 AM	Hy-Line	10:10 AM	Bus A 10:30 or Bus B 11:00	10:35 AM	Bus A 10:00 or Bus B 9:30
10:00 AM	10:30 AM	10:00 AM	10:30 AM	SSA	12:00 PM	Bus A 12:30 or Bus B 1pm	12:30 PM	Bus A 12:00 or Bus B 11:30
11:00 AM	11:30 AM	11:00 AM	11:30 AM	Hy-Line	1:00 PM	Bus A 1:30 or Bus B 2pm	1:25 PM	Bus A 1:00 or Bus B 12:30
12:00 PM	12:30 PM	12:00 PM	12:30 PM	SSA	3:00 PM	Bus A 3:30 or Bus B 4pm	3:30 PM	Bus A 3:00 or Bus B 2:30
1:00 PM	1:30 PM	1:00 PM	1:30 PM	Hy-Line	4:10 PM	Bus A 4:30 or bus b 5pm	4:35 PM	Bus A 4:00 or Bus B 3:30
2:00 PM	2:30 PM	2:00 PM	2:30 PM	SSA	6:00 PM	Bus A 6:30 or Bus B 7pm	6:15 PM	Bus B 5:30 or bus b 5:30
3:00 PM	3:30 PM	3:00 PM	3:30 PM	Hy-Line	7:00 PM	Bus A 7:30 or Bus B 8pm	7:20 PM	Bus B 6:30 or Bus A 6:00
4:00 PM	4:30 PM	4:00 PM	4:30 PM	SSA	8:30 PM	Bus B 9:00 or Bus A 9:30pm	8:45 PM	Bus A 8:00 or Bus B 7:30
5:00 PM	5:30 PM	5:00 PM	5:30 PM	Hy-Line	9:45 PM	Bus B 10:00	10:00 PM	Bus B 9:30 or Bus A 9:00
6:00 PM	6:30 PM	6:00 PM	6:30 PM					
7:00 PM	7:30 PM	7:00 PM	7:30 PM					
8:00 PM		8:00 PM	8:30 PM					
		9:00 PM	9:30 PM					
		10:00 PM						

# FAST FERRY PARK AND RIDE SERVICE

## 2 Buses

- 30 minute headway – not ample travel time, 30 minute headways are not guaranteed
- Requires lease of 1 bus
- Increased cost
- Potentially provides some flexibility to user
- Potentially provides relief of demand and capacity issues

# FAST FERRY PARK AND RIDE SERVICE

## 2 Buses

Option 1 – 7 am – 11 pm

Cost per day	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)
\$ 2,304	\$ 281,088	\$ 246,528	\$182,016

Option 2 – 7 am – 8 pm (Does not service last SSA and Hy-Line fast ferries)

Cost per day	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)
\$ 1,872	\$ 228,384	\$ 200,304	\$ 147,888

Additional Costs – Bus Lease \$10,000 (estimate)

# FAST FERRY PARK AND RIDE SERVICE

## Existing Airport Route

From Town		From Airport	
7:00	bus 1	7:00	bus 3
7:20	bus 2	7:30	bus 1
7:40	bus 3	7:50	bus 2
8:00	bus 1	8:10	bus 3
8:20	bus 2	8:30	bus 1
8:40	bus 3	8:50	bus 2
9:00	bus 1	9:10	bus 3
9:20	bus 2	9:30	bus 1
9:40	bus 3	9:50	bus 2
10:00	bus 1	10:10	bus 3
10:20	bus 2	10:30	bus 1
10:40	bus 3	10:50	bus 2
11:00	bus 1	11:10	bus 3
11:20	bus 2	11:30	bus 1
11:40	bus 3	11:50	bus 2
12:00	bus 1	12:10	bus 3
12:20	bus 2	12:30	bus 1
12:40	bus 3	12:50	bus 2
1:00	bus 1	13:10	bus 3
1:20	bus 2	13:30	bus 1
1:40	bus 3	13:50	bus 2
2:00	bus 1	14:10	bus 3

Continuing throughout the day

# FAST FERRY PARK AND RIDE SERVICE

## EXISTING AIRPORT ROUTE

- June 23 – September 1, 10:00 am to 6:00 pm
- Every 20 minutes from both town and Airport
- Downtown stop on Washington Street
- 2 buses
- Requires 1 additional bus – utilizing existing NRTA (spare) equipment
- Provides the user flexibility
- Provides relief of demand and capacity issues
- Longer travel time for passengers to/from the airport
- Although service remains every 20 minute schedule, departure times are different than advertised
- Does not directly service SSA (would require 4 buses)

# FAST FERRY PARK AND RIDE SERVICE

## Existing Airport Route

### Option 1 – 7 am – 11 pm

	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)	6/23-9/1 (71 days)
	\$ 339,840	\$ 285,696	\$ 191,232	\$ 163,584
Cost/Day	\$ 2,786	\$ 2,670	\$ 2,421	\$ 2,304

### Option 2 – 7 am – 8 pm

	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)	6/23-9/1 (71 days)
	\$ 260,784	\$ 216,792	\$ 140,040	\$ 117,576
Cost/Day	\$ 2,138	\$ 2,026	\$ 1,773	\$ 1,656

# FAST FERRY PARK AND RIDE SERVICE

## 4 Buses

- Operate on 15-20 minute headways
- Requires lease of 4 buses
- Increased costs
- Provides flexibility to the user
- Provides relief of demand and capacity issues
- Administrative Issues with leased buses –  
passenger counting, fare collection, internal  
controls, ADA, state regulations and insurance,  
etc

# FAST FERRY PARK AND RIDE SERVICE

## 4 Buses

Option 1 – 7 am -11 pm

Cost/Day	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)
\$ 4,608	\$ 562,176	\$ 493,056	\$364,032

Option 2 - 7 am – 8 pm (Does not service last SSA and Hy-Line fast ferries)

Cost/Day	6/1-9/30 (122 days)	6/1-9/15 (107 days)	6/15-9/1 (79 days)
\$ 3,744	\$ 456,768	\$ 400,608	\$ 295,776

Additional Costs – Bus Lease \$40,000 (estimate)