

# DIRECTIONS 2040

## Palm Beach 2040 Long Range Transportation Plan

*Get Informed. Get Involved. Get Results.*

### Draft Year 2040 Cost Feasible Plan Ranking of Desires Plan Projects And Matching of Available Revenues

Palm Beach Metropolitan Planning Organization (MPO)  
Technical Advisory Committee (TAC)  
Citizens Advisory Committee (CAC)

September 3, 2014



*The Leftwich Consulting Engineers, Inc. Team*

## Overview

- In July, the Highway and Transit/Freight Costs of the Desires Plan Projects were Presented
- A General Overview of the Available Funds were also Provided
- Today's Presentation Centers on Identifying Specific Capacity Projects that Can be Funded Based on the MPO and PBC Available Revenues
- The Goal is to Provide Preliminary Input to the MPO Board Regarding a Draft Cost Feasible Plan



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*Get Involved.*

*Get Results.*

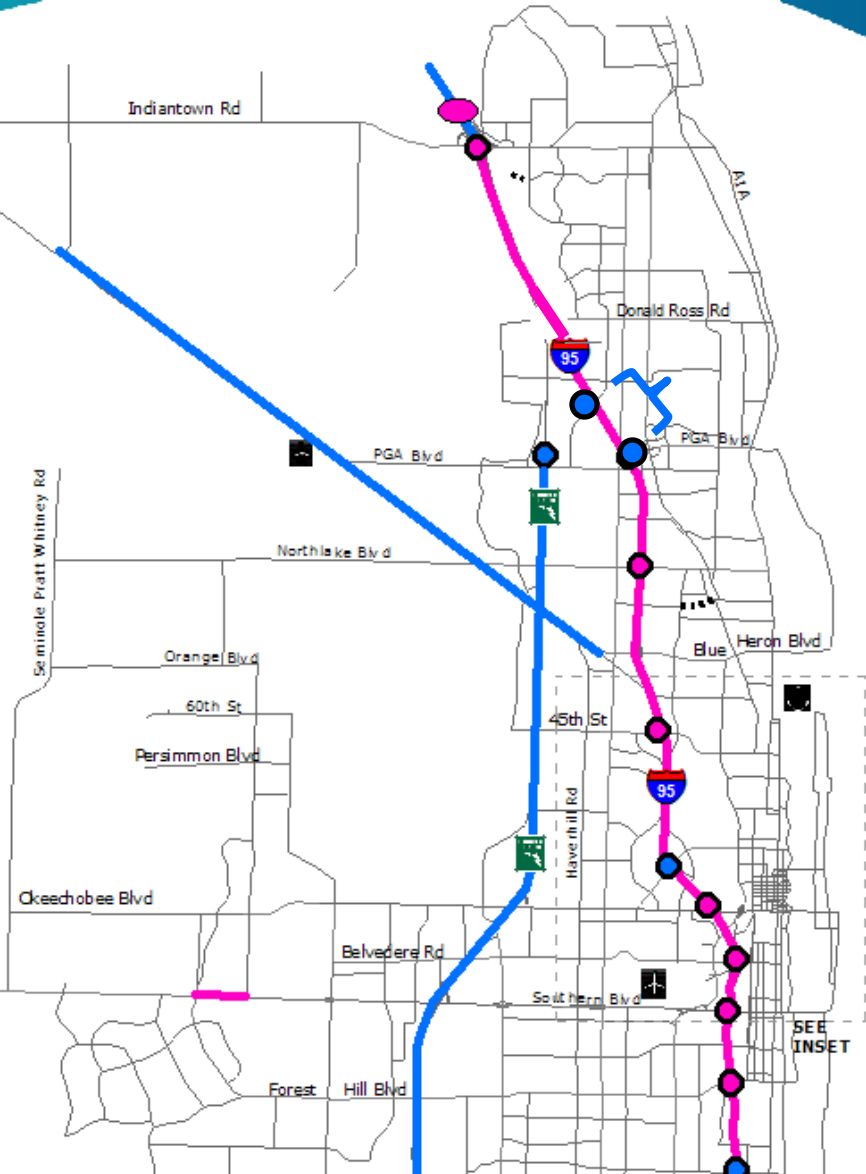
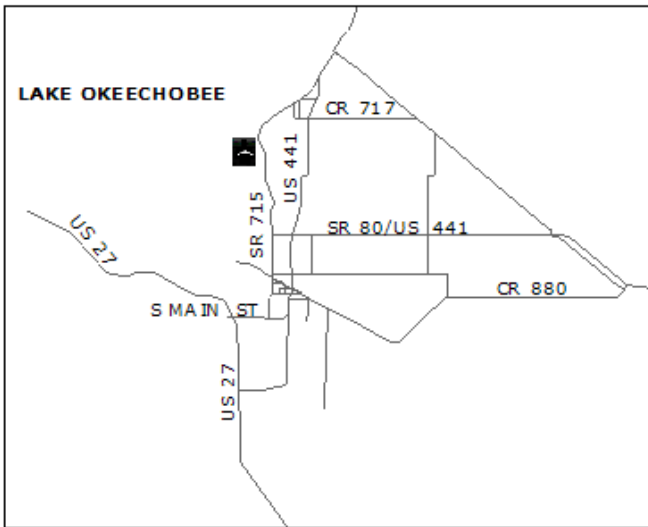
# SIS/Turnpike Project Map (North)

Palm Beach



# DRAFT

## GLADES AREA

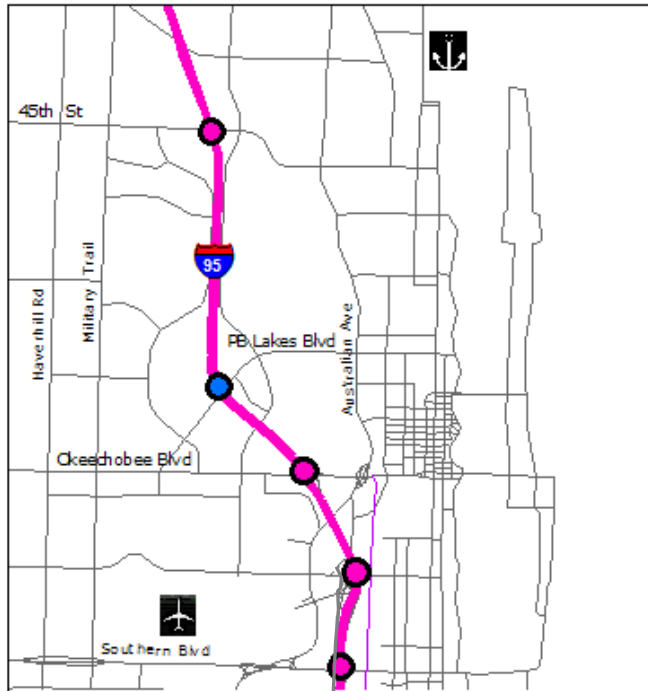


-  -Cost Feasible
-  -Funding Needed

SEE INSET

# SIS/Turnpike Project Map (South)

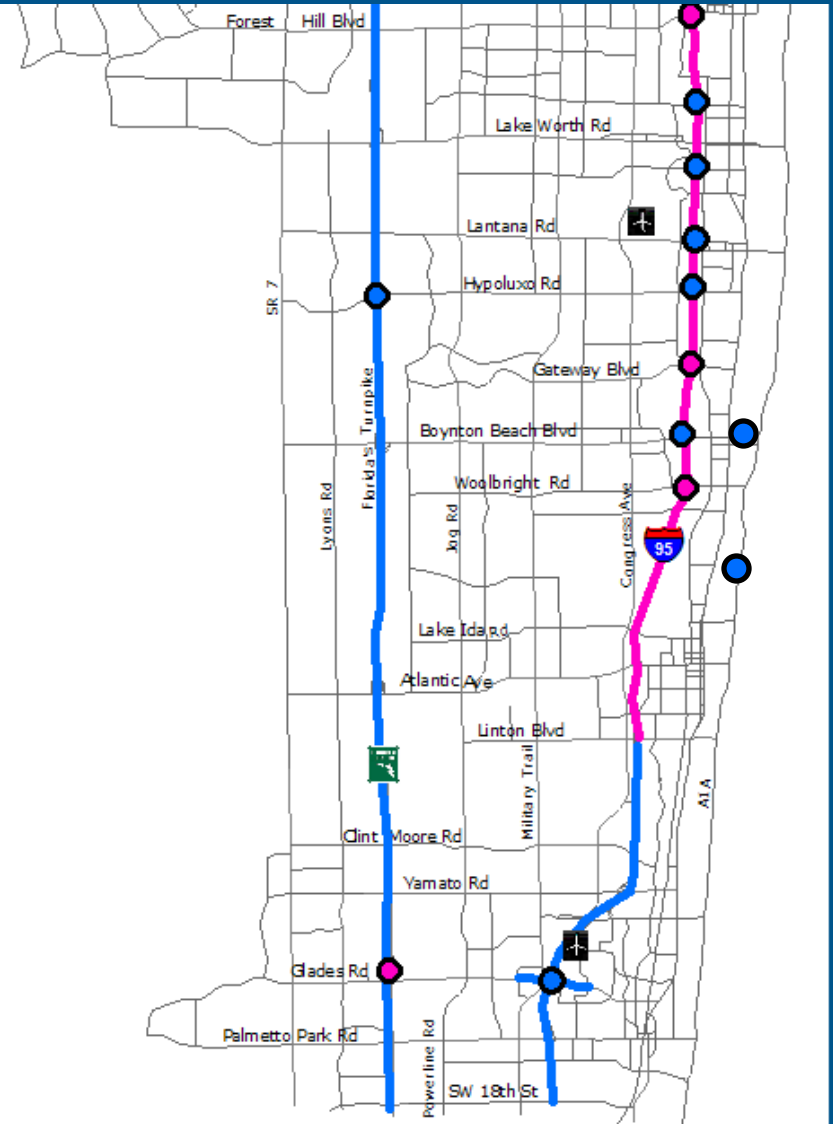
## WEST PALM BEACH AREA



## 2040 Desires Plan

### Highway Component

-  -Cost Feasible
-  -Funding Needed



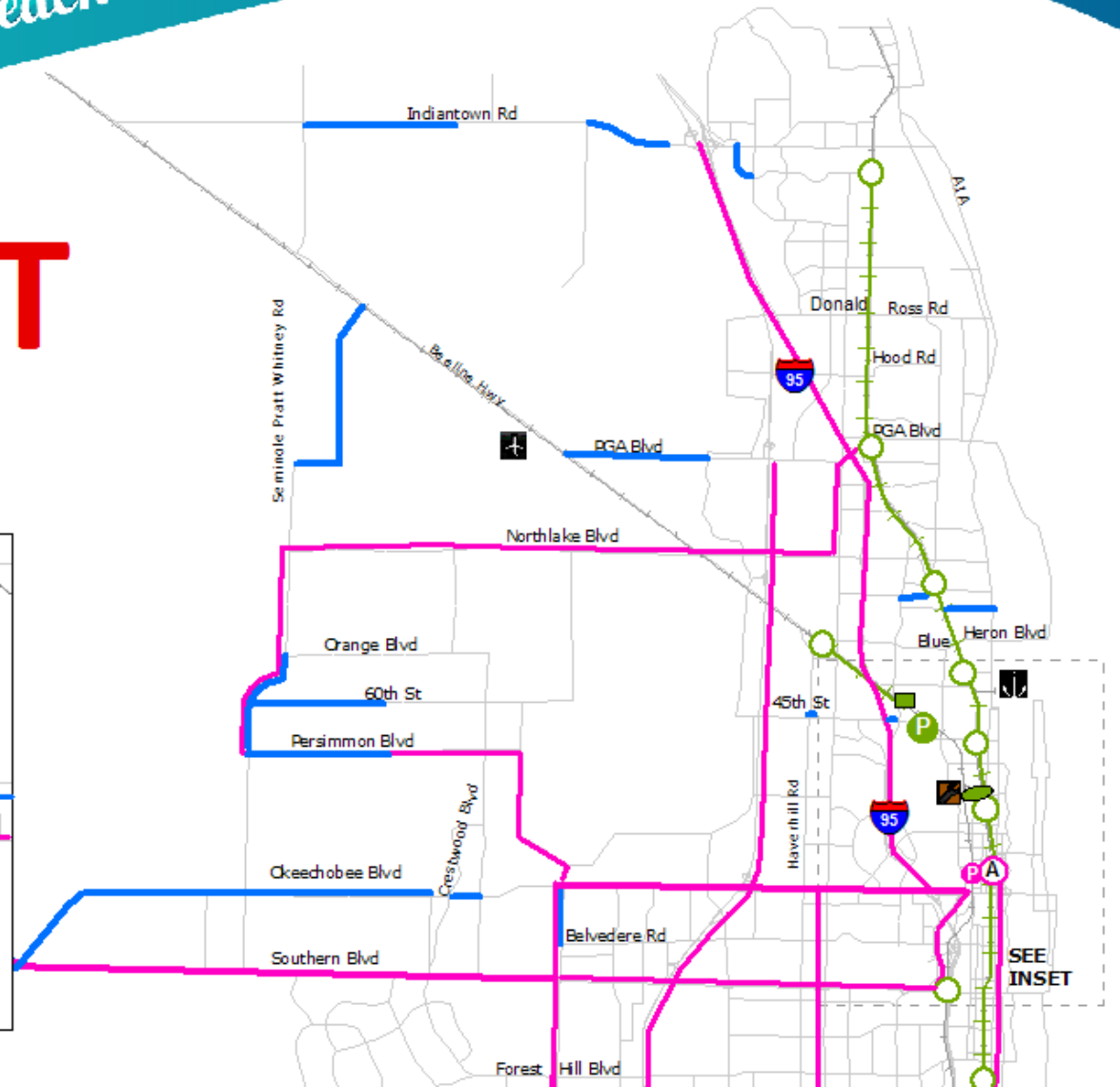
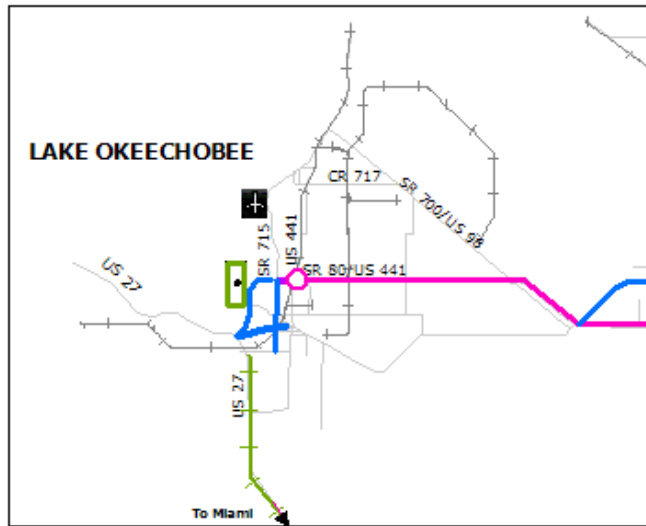
# Highway, Transit, Freight Project Map (North)




Palm Beach



# DRAFT

## GLADES AREA

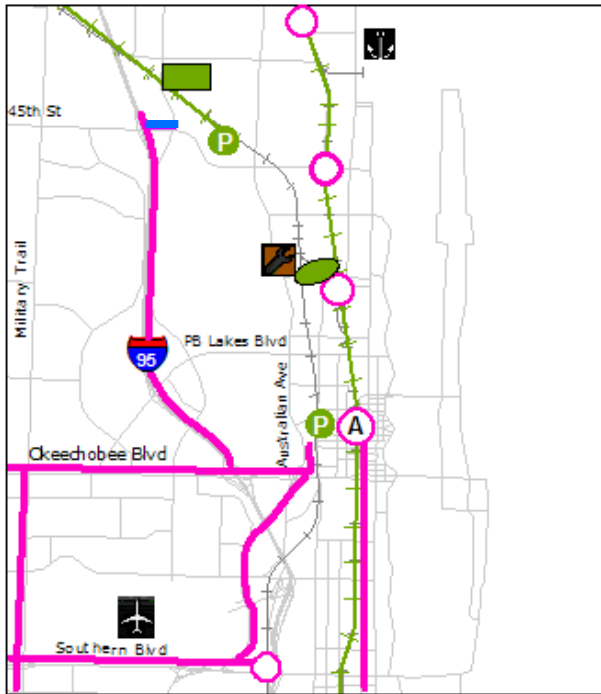


-  -Funding Needed (Rail)
-  -Funding Needed (Express Bus)
-  -Funding Needed (Roads)

*\*Initial Projects Competing for MPO/PBC Capacity Funds\**

# Highway, Transit, Freight Project Map (South)

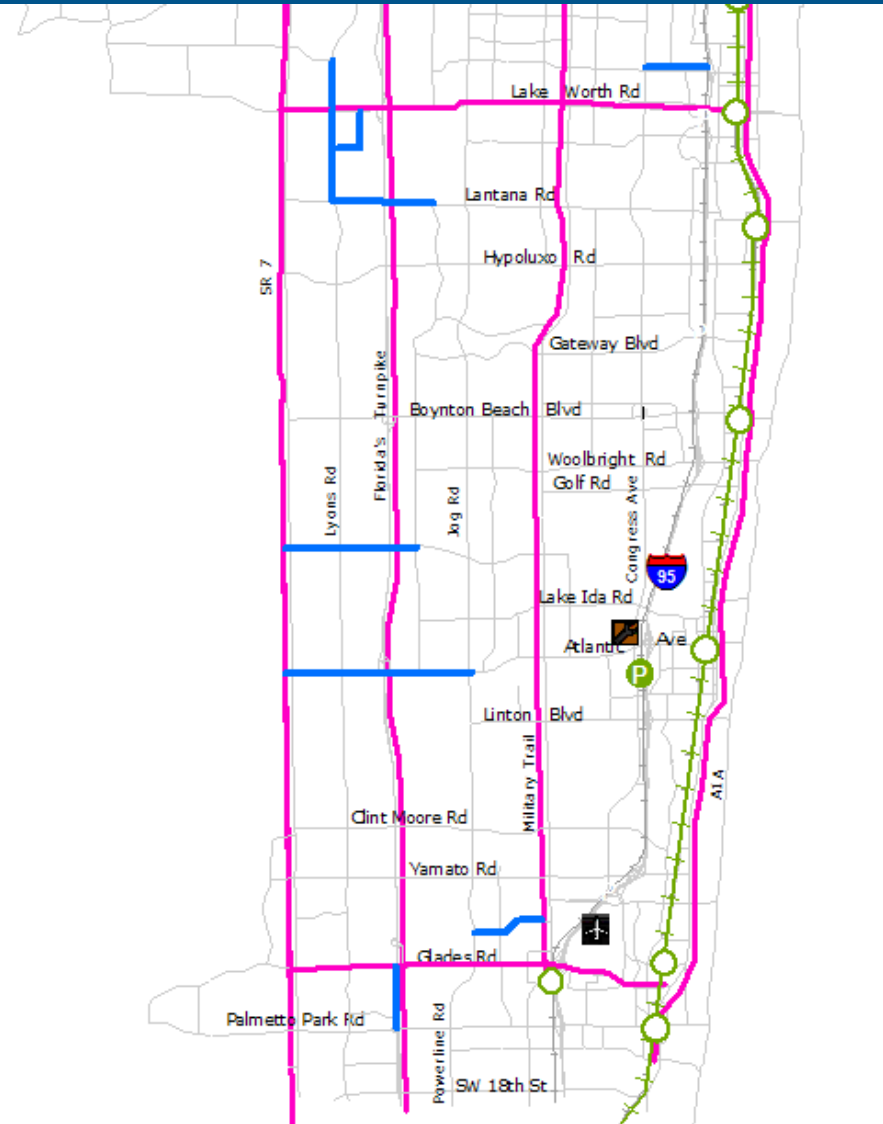
## WEST PALM BEACH AREA



## 2040 Desires Plan

### Transit and Freight Component

- -Funding Needed (Rail)
- -Funding Needed (Express Bus)
- -Funding Needed (Roads)



*\*Initial Projects Competing for MPO/PBC Capacity Funds\**



# Ranked Desires Plan Projects in \$1000s

No.	Facility Name	From	To	Improvement	Final Priority Score	Capital Cost (\$1000s)	Operating Cost (\$1000s)	TIP 5 Year Funding (\$1000s)	Draft Cost Feasible Funding Source	Draft Cost Feasible Cumulative Capital Cost
1	45th St	Haverhill Rd	W of Military Tr	Widen 4L to 6L	52	\$3,450	n/a	\$0	PBC	\$3,450
2	Express Bus via SPW Rd/Northlake Blvd/Military Tr/PGA Blvd	SPW/Persimmon Blvd	Palm Beach Gardens Station	New express bus service	43	\$3,000	\$1,500	\$0	MPO (1)	\$6,450
3	Express Bus via SR 7/Okeechobee Blvd	SR 7/Forest Hill Blvd	WPB Station	New express bus service	42	\$3,000	\$1,500	\$0	MPO (1)	\$9,450
4	Express Bus via Turnpike	Broward Co	Palm Beach Gardens	New express bus service	41	\$3,000	\$1,500	\$0	MPO (1)	\$12,450
5	Tri-Rail Extension - New Service	West Palm Beach Station	New Jupiter Station	New Service to Jupiter on FEC corridor via Northwood Crossover with 3 Station noted below:	41	\$114,750	\$5,000	\$15,000	MPO (1)	\$127,200
	New Tri-Rail Station	Toney Penna Dr	Jupiter	Tri-Rail Coastal Link station on FEC corridor		Included	n/a	\$0		
	New Tri-Rail Station	PGA Blvd	Palm Beach Gardens	Tri-Rail Coastal Link station on FEC corridor		Included	n/a	\$0		
	New Tri-Rail Station	45th Street	West Palm Beach	Tri-Rail Coastal Link station on FEC corridor		Included	n/a	\$0		
6	Glades Area Intermodal Center	@SR80/US441/Hooker Hwy/Main St		Proposed passenger intermodal center	40	\$12,500	n/a	\$0	MPO	\$139,700
7	SR 7	Okeechobee Blvd	Belvedere Rd	Widen 6L to 8L	40	\$7,930	n/a	\$0	MPO	\$147,630
8	Atlantic Ave/SR 806	Lyons Rd	Jog Rd	Widen 4L to 6L	39	\$19,306	n/a	\$0	MPO	\$166,936
9	45th St	I-95	Congress Ave	Widen 6L to 8L	38	\$5,460	n/a	\$0	PBC	\$172,396
10	Hooker Hwy/SR 812	SR 715	US 441	Widen 2L to 4L	37	\$7,590	n/a	\$0	MPO	\$179,986
11	Park Ave Extension	Old Dixie Highway	Congress Avenue	New 2L	37	\$2,800	n/a	\$0	PBC	\$182,786
12	SR 715	S Main St	Hooker Hwy	Widen 2L to 4L	37	\$20,491	n/a	\$0	MPO	\$203,277
13	Atlantic Ave/SR 806	SR 7	W of Lyons Rd	Widen 2L to 4L	36	\$22,400	n/a	\$0	MPO	\$225,677
14	Okeechobee Blvd	Crestwood Blvd	W of Royal Palm Beach Blvd	Widen 4L to 6L	36	\$2,760	n/a	\$0	PBC	\$228,437
15	PGA Blvd/SR 786	SR 710/Beeline Hwy	Ryder Cup Blvd	Widen 2L to 4L	36	\$15,600	n/a	\$0	MPO	\$244,037
16	Proposed Intermodal Logistic Ctr	W of SR 715	US 27	Freight Logistic Facility	36	Private \$	Private \$	n/a	Private	\$244,037
17	US 27 Connector	SR 80/US 27	SR 715	New 2L	36	\$17,440	n/a	\$0	MPO	\$261,477
18	Boca Intermodal Center	At Tri-Rail Station near Glades Rd		Proposed passenger intermodal Ctr	35	\$12,500	\$0	\$0	MPO	\$273,977
19	Express Bus via I-95	Okeechobee Blvd	Indiantown Rd	New express bus service	35	\$3,000	\$1,500	\$0	MPO (1)	\$276,977
20	Express Bus via Lake Worth Rd	SR 7	US 1	New express bus service	35	\$3,000	\$1,500	\$0	MPO (1)	\$279,977
21	Express Bus via Persimmon Blvd /SR 7/Okeechobee Blvd	Acreage Area	WPB Intermodal Center	New express bus service	35	\$3,000	\$1,500	\$0	MPO (1)	\$282,977

# Ranked Desires Plan Project in \$1000s (Cont'd)

No.	Facility Name	From	To	Improvement	Final Priority Score	Capital Cost (\$1000s)	Operating Cost (\$1000s)	TIP 5 Year Funding (\$1000s)	Draft Cost Feasible Funding Source	Draft Cost Feasible Cumulative Capital Cost
22	Okeechobee Blvd	Seminole Pratt-Whitney Rd	West of Crestwood Blvd	Widen 2L to 4L	34	\$24,510	n/a	\$0	PBC	\$307,487
23	Silver Beach Rd	Old Dixie Hwy	US 1	Widen 2L to 3L	34	\$9,570	n/a	\$0	PBC	\$317,057
24	Tri-Rail Park & Ride Expansion	West Palm Beach Station		New parking garage (450 spaces)	34	\$7,650	\$0	\$0	MPO	\$324,707
25	10th Ave N	Congress Ave	I-95	Widen 4L to 6L	33	\$22,620	n/a	\$0	PBC	\$347,327
26	Avenue E Extension	US 27 Connector	SR 715	New 2L	33	\$9,079	n/a	\$0	PBC	\$356,406
27	Express Bus via SR 7	Broward Co	Mall at Wellington Green	New express bus service	33	\$3,000	\$1,500	\$0	MPO (1)	\$359,406
28	Express Bus via SR 80/Australian	Glades Area	WPB Intermodal Center	New express bus service	33	\$3,000	\$1,500	\$0	MPO (1)	\$362,406
29	Potomac Rd	E-3 Canal	Military Tr	Widen 2L to 4L	33	\$2,182	n/a	\$0	MPO	\$364,588
30	Tri-Rail Park & Ride Expansion	Mangonia Park Station		New parking garage (300 spaces) and improved bus circulation	31	\$5,100	\$0	\$0	MPO	\$369,688
31	Express Bus via Glades Rd	SR 7	US 1	New express bus service	30	\$3,000	\$1,500	\$0	MPO (1)	\$372,688
32	Tri-Rail Extension - New Service	Mangonia Park Station	Blue Heron Blvd/VA Hospital	Extend existing service on CSX corridor. Includes new station noted below:	29	\$35,300	\$2,000	\$0	MPO (1)	\$407,988
	New Tri-Rail Station	Blue Heron Blvd	Riviera Beach	Additional Tri-Rail Station on CSX Corridor		\$17,388	\$0	\$0	MPO (1)	\$425,376
33	Express Bus via Military Tr	Boca Intermodal Center	WPB Intermodal Center	New express bus service	28	\$3,000	\$1,500	\$0	MPO (1)	\$428,376
34	Express Bus via US 1	Camino Real Rd	WPB Intermodal Center	New express bus service	28	\$3,000	\$1,500	\$0	MPO (1)	\$431,376
35	Indiantown Rd	Jupiter Farms Rd	W of Florida's Turnpike	Widen 4L to 6L	28	\$4,900	n/a	\$0	PBC	\$436,276
36	Lantana Rd	Lyons Rd	Hagen Ranch Rd	Widen 4L to 6L	28	\$18,515	n/a	\$0	PBC	\$454,791
37	Polo Road	Lake Worth Rd	Lyons Rd	New 2L	28	\$7,821	n/a	\$0	PBC	\$462,612
38	Tri-Rail Park & Ride Expansion	Boca Raton Station		New parking garage (420 spaces)	27	\$7,140	\$0	\$0	MPO	\$469,752
39	Lyons Rd	Lantana Rd	Lake Worth Rd	Widen 2L to 4L	26	\$6,892	n/a	\$6,500	PBC	\$476,644
40	New Tri-Rail Station	PBIA	West Palm Beach	Additional Tri-Rail Station on CSX Corridor	26	\$17,170	\$0	\$0	MPO	\$493,814
41	Boca Rio Rd	Palmetto Park Rd	Glades Rd	Widen 2L to 4L	25	\$12,631	n/a	\$0	PBC	\$506,445
42	Express Bus via SR 7 to Lake Worth Rd	Mall at Wellington Green	Lake Worth	New express bus service	25	\$3,000	\$1,500	\$0	MPO (1)	\$509,445
43	Indiantown Rd	Pratt-Whitney Rd	131st Trail N	Widen 2L to 4L	25	\$14,840	n/a	\$0	PBC	\$524,285
44	Persimmon Blvd	Seminole Pratt Whitney Rd	140th Ave N	New 4L	25	\$21,000	n/a	\$0	PBC	\$545,285
45	60th St	Seminole Pratt Whitney Rd	140th Ave N	New 2L	24	\$16,350	n/a	\$0	PBC	\$561,635



# Ranked Desires Plan Project in \$1000s (Cont'd)

No.	Facility Name	From	To	Improvement	Final Priority Score	Capital Cost (\$1000s)	Operating Cost (\$1000s)	TIP 5 Year Funding (\$1000s)	Draft Cost Feasible Funding Source	Draft Cost Feasible Cumulative Capital Cost
46	Lyons Rd	Lake Worth Rd	Stribling Wy	New 2L	24	\$7,370	n/a	\$100	PBC	\$569,005
47	Flavor Pict Road	Lyons Rd	Hagen Ranch Rd	New 2L	23	\$9,600	n/a	\$0	PBC	\$578,605
48	Seminole Pratt-Whitney Rd	Persimmon Blvd	Orange Blvd	Widen 2L to 4L	23	\$14,740	n/a	\$0	PBC	\$593,345
49	Island Way Southern Ext.	Indiantown Rd	Central Blvd	New 2L	21	\$6,750	n/a	\$0	MPO	\$600,095
50	Seminole Pratt Whitney Rd	N of Northlake Blvd	SR 710	New 2L	21	\$44,373	n/a	\$0	PBC/MPO (2)	\$644,468
51	Okeechobee Blvd Extension	SR 80/CR880 Intersection	Seminole Pratt Whitney Rd	New 2L	20	\$34,411	n/a	\$0	MPO (2)	\$678,879
52	Palm Tran North Bus Facilities Expansion			Design and construction to accommodate expansion	10	\$3,500	n/a	\$150	MPO	\$682,379

PBC Available Revenue (2014 \$): **\$234,332**

CF PBC Project Total Cost (2014 \$): **\$214,908**

MPO Available Revenue (2014 \$): **\$723,200**

CF MPO Project Total Cost (2014 \$): **\$423,098**

**TOTAL AVAILABLE REVENUE MPO PRIORITIZED PROJECTS (2014 \$): **\$957,532****

CF PBC/MPO Project Total Cost (2014 \$): **\$44,373**

**TOTAL COST FEASIBLE PROJECTS (2014 \$): **\$682,379****

REMAINING FUNDS: **\$275,153**

(1) MPO funding provided for the Capital investment of individual projects with the assumption that the O&M cost will be provided by the operator (e.g. either SFRTA or Palm Tran as applicable)

(2) Project is a PBC facility, but the funding shown represents a partial/full MPO contribution towards the total capital cost.

# Ranked Regional “Illustrative” Projects in \$1000s

No.	Facility Name	From	To	Improvement	Final Priority Score	Capital Cost (\$1000s)	Operating Cost (\$1000s)	TIP 5 Year Funding (\$1000s)	Draft Cost Feasible Funding Source	Draft Cost Feasible Cumulative Capital Cost
53	Tri-Rail Coastal Link - New Service	Boca Raton	Miami via Pompano Crossover and FEC corridor	Tri-Rail Coastal Link Project, Includes Total Regional Capital Cost and Operating Assistance. No new stations in PBC.	30	\$144,000 (3)	\$13,000 (3)	\$0	n/a	"Illustrative"
	Tri-Rail Coastal Link - New Service	Jupiter	Ft Lauderdale via FEC corridor	Tri-Rail Coastal Link Project, Includes Total Regional Capital Cost and Operating Assistance. Includes stations on Jupiter Extension and others noted below:				\$0	n/a	"Illustrative"
	New Tri-Rail Station/All Aboard Florida Station	Datura/Evernia	West Palm Beach	TRCL station on FEC corridor		Included	n/a	\$0	n/a	"Illustrative"
	New Tri-Rail Station	Lake Worth Rd	Lake Worth	TRCL station on FEC corridor		Included	n/a	\$0	n/a	"Illustrative"
	New Tri-Rail Station	Boynton Beach Blvd	Boynton Beach	TRCL station on FEC corridor		Included	n/a	\$0	n/a	"Illustrative"
	New Tri-Rail Station	Atlantic Ave	Delray Beach	TRCL station on FEC corridor		Included	n/a	\$0	n/a	"Illustrative"
	New Tri-Rail Station	Palmetto Park Rd	Boca Raton	TRCL station on FEC corridor		Included	n/a	\$0	n/a	"Illustrative"
54	New Tri-Rail Station	Park Ave	Lake Park	Add'l TRCL Station on FEC corridor	31	\$16,630	n/a	\$0	n/a	"Illustrative"
55	New Tri-Rail Station	13th Street	Riviera Beach	Add'l TRCL Station on FEC corridor	31	\$16,630	n/a	\$0	n/a	"Illustrative"
56	New Tri-Rail Station	Northwood/25 St	West Palm Beach	Add'l TRCL Station on FEC corridor	30	\$16,630	n/a	\$0	n/a	"Illustrative"
58	New Tri-Rail Station	Lantana Rd	Lantana	Add'l TRCL Station on FEC corridor	30	\$16,630	n/a	\$0	n/a	"Illustrative"
57	New Tri-Rail Station	S of Forest Hill Blvd	West Palm Beach	Add'l TRCL Station on FEC corridor	26	\$16,630	n/a	\$0	n/a	"Illustrative"
59	New Tri-Rail Station	20th St	Boca Raton	Add'l TRCL Station on FEC corridor	26	\$16,630	n/a	\$0	n/a	"Illustrative"
60	New Freight Rail Corridor	Henry/PB County Line	Port of Miami via US 27	New Freight Rail Line via SR 80 in South Bay incl. Utility Relocation	17	\$125,645 (4)	\$0	\$0	n/a	"Illustrative"

(3) For planning purposes, one third of the total regional cost has been shown as an estimate of the Palm Beach share.

(4) For planning purposes, the project anticipates 25% capital funding from local sources and 25% capital funding from state/FDOT sources.

One third of the remaining 50% of the capital cost and one third of the total operating cost has been shown as an estimate of the Palm Beach share.



# Allocation of Remaining MPO Funds Discussion Points

1. Allocate additional funds to any or all of the following roadway projects:

- Turnpike to I-95 direct connection at Indiantown Road
- Northlake Blvd, Coconut Blvd to Beeline Hwy/SR 710 4-6L widening
- Glades Road/Turnpike interchange modification

2. Allocate additional funds to **Local Initiatives**, with the following subsets:

- a. Unrestricted use within any category
- b. Emphasis on highway maintenance projects
- c. Emphasis on rebuilding state highways to support context sensitive implementation of complete street principles

3. Allocate additional funds to support the estimated Palm Beach share of **Tri-Rail Coastal Link** and the **Regional Freight Rail Corridor**, with the understanding that the other MPOs in the region will not be showing these projects as cost feasible



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# Questions & Answers

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