

2040 Southeast Florida Regional Transportation Plan

Regional Transportation Needs and Cost Feasible Plan Assessment

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Southeast Florida Regional Transportation Plan 2040

Technical Memorandum Regional Transportation Needs and Cost Feasible Plan Assessment

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Section 1

Introduction



Introduction

This technical memorandum documents the results from the assessment of the 2040 needs and cost feasible plan scenarios. This work was performed using the development release of Version 7 of the Southeast Florida Regional Planning Model (SERPM). This work proceeded in coordination with the Regional Transportation Technical Advisory Committee (RTTAC) and the RTTAC Modeling Subcommittee which was established to facilitate coordination of regional travel demand forecasting activities such as SERPM refinement and application during Long Range Transportation Plan (LRTP) updates.

The study area for this effort encompassed Palm Beach County, Broward County, and Miami-Dade County and the associated Metropolitan Planning Organizations (MPOs), as illustrated in Map 1. Cambridge Systematics coordinated and documented the work performed for the needs and cost feasible plan assessments. The Corradino Group coded the model networks based on submissions by the RTTAC stakeholder agencies. Parsons Brinckerhoff applied the SERPM 7 model to obtain the model statistics. The results of this effort are documented in the “Current and Future Background,” “Regional Needs Assessment,” and the “Regional Plans Assessment” sections which follow.

Map 1: Study Area



Section 2

Current and Future Background Conditions



Current and Future Background Conditions

A regional profile of growth in demographic, socioeconomic, and travel demand trends was prepared to tell a story about regional travel patterns while also identifying unique characteristics found in each of the three MPOs. In order to plan for regional mobility in the year 2040, it is important to understand how household characteristics and travel patterns are expected to change at both the regional and subarea level.

REGIONAL SOCIOECONOMIC CHANGES

At the regional and county level, socioeconomic statistics were summarized to identify forecasted trends and ensure that anticipated growth patterns were consistent with the expectations of the project stakeholders. Statistics were compiled for year 2010 and 2040.

Table 2-1: Forecast Change in Total Households 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	547,809	682,404	134,595	25%
Broward	686,047	831,491	145,444	21%
Miami-Dade	867,352	1,156,831	289,479	33%
Total	2,101,208	2,670,726	569,518	27%

Table 2-2: Forecast Change in Total Population 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	1,307,193	1,664,063	356,870	27%
Broward	1,731,170	1,962,322	231,152	13%
Miami-Dade	2,475,945	3,251,556	775,611	31%
Total	5,514,308	6,877,941	1,363,633	25%

Table 2-3: Forecast Change in Average Household Size 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	2.39	2.44	0.05	2%
Broward	2.52	2.36	-0.16	-6%
Miami-Dade	2.85	2.81	-0.04	-2%
Total	2.62	2.58	-0.05	-2%

Table 2-4: Forecast Change in Average Automobile Ownership 2010 to 2040

	2010 Model	2040 E+C	2040 E+C versus 2010	
			Difference	Percent Difference
Palm Beach	908,248	1,119,115	210,867	23%
Broward	1,146,596	1,379,555	232,959	20%
Miami-Dade	1,427,736	1,855,215	427,479	30%
Total	3,482,580	4,353,885	871,305	25%

Table 2-5: Forecast Change in Total Employment 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	638,068	786,033	147,965	23%
Broward	867,263	916,854	49,591	6%
Miami-Dade	1,125,068	1,636,614	511,546	45%
Total	2,630,399	3,339,501	709,102	27%

Table 2-6: Forecast Change in Workers per Household 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	1.16	1.15	-0.01	-1%
Broward	1.26	1.10	-0.16	-13%
Miami-Dade	1.30	1.41	0.11	9%
Total	1.25	1.25	0	0%

Table 2-7: Forecast Change in Total Employment to Population Ratio 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	0.49	0.47	-0.02	-3%
Broward	0.50	0.47	-0.03	-7%
Miami-Dade	0.45	0.50	0.05	11%
Total	0.48	0.49	0.01	2%

Table 2-8: Forecast Change in School Enrollment 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	247,290	311,057	63,767	26%
Broward	381,969	391,962	9,993	3%
Miami-Dade	635,371	732,033	96,662	15%
Total	1,264,630	1,435,052	170,422	13%

Table 2-9: Forecast Change in Hotel/Motel Units 2010 to 2040

	2010	2040	Difference	Percentage Difference
Palm Beach	16,952	18,053	1,101	6%
Broward	32,226	32,226	0	0%
Miami-Dade	46,159	57,627	11,468	25%
Total	95,337	107,906	12,569	13%

TRAVEL DEMAND AND COMMUTING PATTERNS

In addition to summarizing socioeconomic information on a regional and county level, it was important to identify 2010 travel demand and commuting patterns. Table 2-10 and Table 2-11 provide a summary of 2010 5-year American Community Survey Worker Flows, highlighting the existing commuting patterns in the region. Intra-county movements are the most significant, but there is also some intercounty commuting, most notably from Broward to Miami-Dade.

Table 2-10: 2010 5-Year American Community Survey Worker Flows

	Palm Beach	Broward	Miami-Dade
Palm Beach	498,000	46,300	8,000
Broward	53,200	640,000	127,000
Miami-Dade	4,600	71,400	1,060,000

Table 2-11: 2010 5-Year American Community Survey: Distribution of Workplace Location of Residents in Each Jurisdiction

	Palm Beach	Broward	Miami-Dade
Palm Beach	90.2%	8.4%	1.4%
Broward	6.5%	78.0%	15.5%
Miami-Dade	0.4%	6.3%	93.3%

Table 2-12 presents travel demand measures representative of “existing conditions” based on output from the 2010 model run. Summary model measures presented are total person trips, vehicle miles traveled, and transit trips. Section 3 presents model measures for the tested future year scenarios.

Table 2-12: 2010 Travel Demand Measures

	Palm Beach	Broward	Miami-Dade	Total
Total Person Trips	5,183,100	7,042,300	9,476,350	21,701,750
Total Daily Vehicle Miles Traveled	28,945,313	35,938,848	41,264,051	106,148,214
Total Daily Transit Trips	42,450	80,390	226,670	349,510

Table 2-13 presents reported 2010 Airport Enplanements and Seaport activity. Airport enplanements are as reported in Federal Aviation Administration reporting. Seaport figures are derived from the report, “Florida Seaports: Charting Our Future,” published by the Florida Seaport Transportation and Economic Development Council in May 2012.

Table 2-13: 2010 Airport and Seaport Measures

	Palm Beach	Broward	Miami-Dade
Port Passengers (FY 2010/2011)	303,000	3,933,000	4,018,000
Port Tonnage (FY 2010/2011)	1,954,000	22,088,000	8,222,000
Port Container Truck Equivalent Units (FY 2010/2011)	207,000	881,000	907,000
Airport Enplanements 2010	2,958,000	10,830,000	17,018,000

Section 3

Regional Needs Assessment



Regional Needs Assessment

The regional needs assessment was conducted in two stages. First, regional existing-plus-committed (E+C) networks were assembled based on input from the project stakeholders. Coordination via the RTTAC Modeling Subcommittee enabled review and resolution of a regionwide network. Based in part on the results of preliminary model runs using the development version of the SERPM 7 regional travel demand forecasting model, each project stakeholder was asked to prepare and submit project information for the Needs Plan. Using also guidance from the Transit Vision Plan and other determinations of projects of regional significance via the RTTAC, a regionwide Needs Plan network was developed for model testing.

The subsections that follow present the E+C network definition, Needs network definition, and measures of each derived from the final model runs using the current development version of the SERPM 7.

E+C NETWORK DEFINITION

The regional E+C network was compiled from inputs from the project stakeholders, reflecting the addition of projects that have identified funding sources in the current capital improvement plans for each MPO and/or other project sponsor. The resulting regional network serves as a baseline for comparison for both the development of the Needs network and, later, for review of the Cost Feasible network.

NEEDS NETWORK DEFINITION

The regional Needs network was assembled through careful coordination with the project stakeholders, including receiving lists of their roadway and transit project nominations, checking that cross-county roadway projects were aligned, and reviewing that transit projects which were incorporated were consistent with the regional Transit Vision Plan. Preliminary model results for the E+C network were also available to inform the selection of Needs network projects.

A total of 451 Needs projects were submitted for inclusion in the network, including 238 roadway projects and 213 transit projects. Table 3-1 provides a quick reference summary of the received lists of projects from each of the MPOs.

Table 3-1: Quick Summary of Needs Network Projects by Jurisdiction

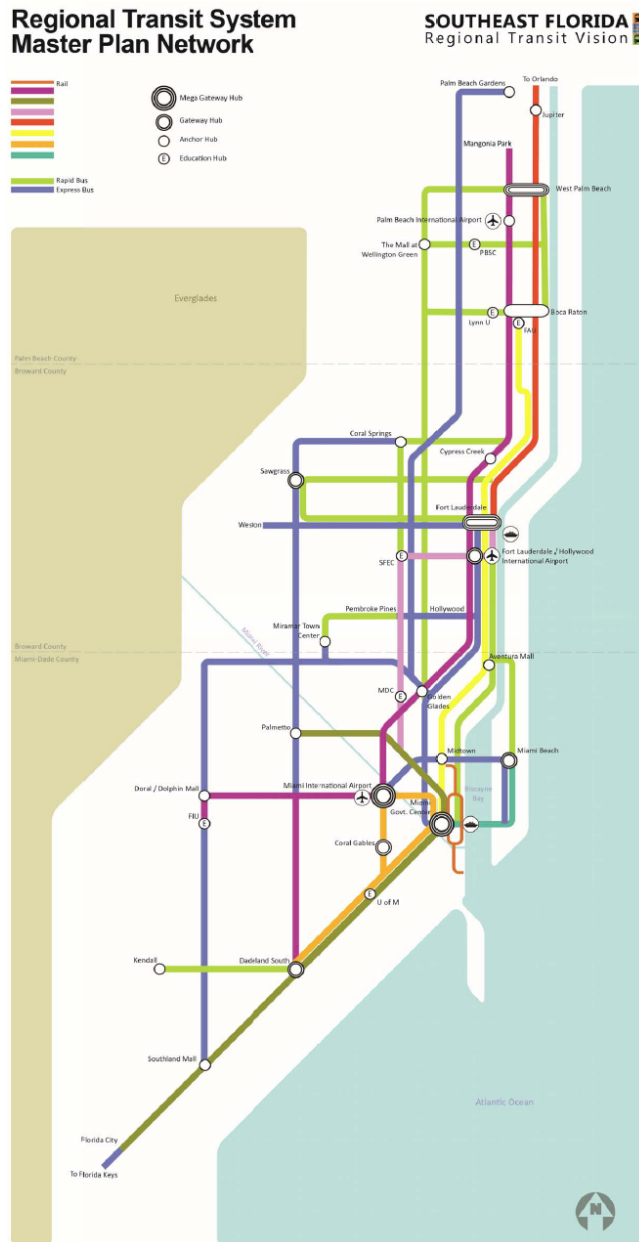
	Roadway Projects	Transit Projects	Total Projects
Palm Beach	75	75	150
Broward	65	82	147
Miami-Dade	98	56	154
Total	238	213	451

Among the cross-county line projects included in the Needs network that were checked for alignment were:

- Florida Turnpike – used widening consistent across region
- I-95 Managed Lanes – assumed ultimate plan for the region
- I-75 Managed Lanes – assumed ultimate plan for the region
- University Drive/NW 27th Avenue – assumed enhanced bus between Broward and Miami-Dade
- SR 7/US 411 – assumed BRT between Broward and Miami-Dade
- US 1 – assumed Broward Blvd to Aventura Mall enhanced bus service
- FEC/CSX Rail – coded Tri-Rail Coastal Link current plan

The Needs network was checked for compatibility with the Transit Vision Plan shown in Figure 3-1.

Figure 3-1: Regional Transit System Master Plan Network



Attachment A contains a listing of the roadway and transit projects incorporated in the Needs network.

FUTURE SCENARIO CONDITIONS

This subsection presents summaries comparing the E+C and Needs networks and their performance under 2040 conditions.

Roadway Network Enhancements

The Needs network adds over 1,200 lane miles of roadway network over what is included in the E+C network. This includes over 800 lane miles of limited access highway and nearly 300 lane miles of high-speed arterial roadway. Table 3-2 summarizes the roadway lane miles added by jurisdiction. Table 3-3 summarizes roadway lane miles added by facility type.

Table 3-2: Roadway Snapshot – Lane Miles Added by Jurisdiction

Area	Scenarios		Change	
	E+C	Needs		
Palm Beach	5,157	5,563	406	8%
Broward	5,031	5,236	205	4%
Miami-Dade	6,150	6,771	621	10%
Regional	16,339	17,570	1,231	8%

Table 3-3: Roadway Snapshot – Lane Miles Added by Facility Type

Facility Type	Scenarios		Change	
	E+C	Needs		
Limited Access	4,446	5,252	806	18%
High Speed Arterials	8,007	8,295	288	4%
Low Speed Arterials	3,886	4,023	137	4%
Total	16,338	17,570	1,231	8%

Transit Network Enhancements

The Needs network adds over 2,700 route miles of transit services over what is included in the E+C network. This includes over 400 route miles of additional rail service and 1,700 route miles of additional premium bus service. Table 3-4 provides a summary of the transit route miles added in the Needs network.

Table 3-4: Transit Snapshot – Route Miles Added

Transit Operator/Type	Estimated 2040 Route Miles			
	E+C	Needs	Change	Change
Tri-Rail	145	455	310	
Metrorail	80	125	45	
I-95 Inter-County Express	285	675	390	
Tri-Rail Shuttles	175	220	45	
Subtotal	685	1,480	795	+116%
Palm BRT	0	365	365	
Palm Tran Exp	110	325	215	
Palm Tran Local	1,230	1,235	5	
Subtotal Palm	1,340	1,925	585	+43%
BCT LRT	0	10	10	
BCT Rapid Bus	0	305	305	
BCT BRT	0	485	485	
BCT Breeze	160	135	(25)	
BCT Local	1,765	1,770	5	
Subtotal Broward	1,925	2,700	775	+40%
MDT LRT	0	60	60	
MDT Busway Flyers	0	25	25	
MDT MAX/KAT/Busway Local	55	345	160	
MDT BRT	0	305	305	
MDT Express	230	175	75	
MDT I-95 Exp	170	150	(20)	
I-95 Inter-County Express	95	95	0	
Metromover	10	10	0	
MDT Local	2,705	2,685	(20)	
Subtotal Miami-Dade	3,265	3,850	585	+18%
Total Route Miles	7,215	9,955	2,740	+38%

Model Results – Average Trip Length

Tables 3-5 to 3-7 show the average person trip length in miles for the individual three counties by trip purpose. The trip purpose is classified based on the destination of the trips. Base year 2010, Existing + Committed, and Needs scenarios are presented and arranged side by side for comparison view.

Table 3-5: Average Trip Length in Palm Beach County

Purpose at Destination	2010 Existing	Scenario	
		E + C	Needs
Work	9.1	9.6	9.8
University	11.0	6.9	7.0
School	4.0	3.7	3.7
Shop	5.2	5.4	5.6
Escort	6.5	6.9	6.9
Maintenance	7.1	7.2	7.5
Work-based	3.2	3.3	3.3
Work-related	8.6	9.5	9.6
Visiting	9.6	9.9	10.2
Eating Out	5.6	5.6	5.8
Discretionary	5.1	5.3	5.4

Table 3-6: Average Trip Length in Broward County

Purpose at Destination	2010 Existing	Scenario	
		E + C	Needs
Work	9.1	8.6	8.6
University	9.9	8.4	8.4
School	3.4	3.0	3.0
Shop	5.1	5.0	5.0
Escort	5.9	5.9	5.9
Maintenance	6.2	6.2	6.3
Work-based	3.8	3.5	3.5
Work-related	8.2	8.2	8.2
Visiting	8.6	8.3	8.4
Eating Out	6.8	5.0	5.1
Discretionary	4.7	4.7	4.7

Table 3-7: Average Trip Length in Miami-Dade County

Purpose at Destination	2010 Existing	Scenario	
		E + C	Needs
Work	8.9	7.9	8.0
University	6.1	6.4	6.4
School	3.3	2.6	2.6
Shop	4.5	4.3	4.3
Escort	5.5	5.3	5.4
Maintenance	5.7	5.4	5.4
Work-based	3.1	3.3	3.3
Work-related	8.1	7.6	7.7
Visiting	7.5	7.2	7.3
Eating Out	4.6	4.4	4.4
Discretionary	4.2	4.0	4.1

Model Results – Mode Choice

Table 3-8 and Table 3-9 highlight the mode choice results obtained in the March 21, 2014 SERPM 7 model application using the E+C network and Needs network. With the added transit projects (and despite the added roadway projects) in the Needs network, the transit mode share in each jurisdiction and regionwide is forecast to increase.

Table 3-8: E+C Network Mode Choice

	Drive Alone	Carpool	Transit	Non-Motorized +
				School Bus
Palm Beach	50.5%	35.8%	0.9%	12.8%
Broward	49.5%	36.3%	1.3%	13.2%
Miami-Dade	44.1%	33.9%	2.4%	19.6%
Region Total	47.3%	35.1%	1.6%	16.0%

Table 3-9: Needs Network Mode Choice

	Drive Alone	Carpool	Transit	Non-Motorized + School Bus
Palm Beach	50.2%	35.7%	1.3%	12.8%
Broward	49.3%	36.3%	1.3%	13.1%
Miami-Dade	43.9%	33.8%	2.8%	19.5%
Region Total	47.1%	35.0%	1.9%	15.9%

Table 3-10 provides a summary of the 2040 transit assignment results from the E+C and Needs network scenarios. In total, the assignment results reflect the growth in transit boardings that result from the forecast mode share shift. It should be kept in mind that transit ridership in each of the scenarios is affected not only by the transit service provided but also the roadway network improvements. Also, in reviewing the table, the reader is reminded that the model reports regional rail boardings by system rather than by jurisdiction (e.g., the “Miami-Dade subtotal” does not include Metrorail boardings).

Table 3-10: Forecast Transit Boardings

Transit Operator/Type	Estimated 2040 Boardings			
	E+C	Needs	Change	
Tri-Rail	14,820	31,580	16,760	
Metrorail	82,090	119,880	37,790	
I-95 Inter-County Express	1,650	4,850	3,200	
Tri-Rail Shuttles	13,750	11,620	(2,130)	
Subtotal	112,320	167,940	55,620	+50%
Palm BRT	0	39,370	39,370	
Palm Tran Exp	10	7,770	7,760	
Palm Tran Local	65,640	55,240	(10,400)	
Subtotal Palm	65,650	102,390	36,740	+56%
BCT LRT	0	6,240	6,240	
BCT Rapid Bus	0	19,420	19,420	
BCT BRT	0	25,950	25,950	
BCT Breeze	8,840	7,440	(1,400)	
BCT Local	103,290	96,920	(6,370)	
Subtotal Broward	112,130	155,980	43,850	+39%
MDT LRT	0	7,500	7,500	
MDT Busway Flyers	0	250	250	
MDT MAX/KAT/Busway Local	63,560	55,220	(8,340)	
MDT BRT/LRT	0	28,410	28,410	
MDT Express	4,950	7,680	2,730	
MDT I-95 Exp	3,390	1,420	(1,970)	
I-95 Inter-County Express	2,800	2,380	(420)	
Metromover	34,860	39,060	4,200	
MDT Local	229,170	220,680	(8,490)	
Subtotal Miami-Dade	338,740	362,600	23,860	+7%
Total Boardings	628,830	788,910	160,080	+25%

Model Results – Highway Performance Measures

As a region, vehicle-miles of traveled (VMT) was increased by approximately 1.2 percent moving from the E+C network to the Needs network. Table 3-11 provides a summary of absolute VMT by jurisdiction, to facilitate subsidiary analyses and comparison to existing conditions.

Table 3-11: Summary of VMT by Jurisdiction, E+C and Needs Network Model Runs

	E+C Network	Needs Network
Palm Beach	39,203,950	39,910,166
Broward	44,897,891	45,017,301
Miami-Dade	54,902,763	55,771,777
Total	139,004,603	140,699,243

Table 3-12 summarizes VMT from the model by facility type and by jurisdiction. Limited access facilities (freeways, managed lanes) showed the largest increase by facility type, aligning with the large proportional change in lane miles by this functional type in the Needs network (see Table 3-3).

Table 3-12: Summary of Change in VMT between E+C and Needs Network Model Runs

Jurisdiction	High Speed			
	Limited Access	Arterial	Low Speed Arterial	All Facility
Palm Beach	4.1%	-0.6%	1.0%	1.8%
Broward	1.2%	-0.4%	-0.5%	0.3%
Miami Dade	8.1%	-3.6%	-2.4%	1.6%
Total	4.6%	-1.5%	-1.7%	1.2%

Table 3-13 summarizes vehicle-hours traveled (VHT) from the model by jurisdiction and facility type. As a region, vehicle-hours traveled (VHT) decreased by 2.3 percent, with Miami-Dade demonstrating the largest decrease. This appears to be related to the added roadway capacity in the Needs network. Roadway widening adds capacity and tends to result in lower VHT, owing to potential congestion reduction. VHT reductions by facility type also appear to relate to the lane mile increases by facility type (see Table 3-3).

Table 3-13: Summary of Change in VHT between E+C and Needs Network Model Runs

Jurisdiction	High Speed			
	Limited Access	Arterial	Low Speed Arterial	All Facility
Palm Beach	1.5%	-2.6%	-1.6%	-1.0%
Broward	0%	-1.3%	-1.5%	-0.9%
Miami Dade	1.9%	-6.6%	-6.1%	-4.0%
Total	1.2%	-3.6%	-5.1%	-2.3%

Section 4
Regional Cost Feasible Plan Assessment



Regional Plan Assessment

The regional cost feasible plan assessment built upon the regional needs assessment work, using inputs supplied by each regional Metropolitan Planning Organization. Each MPO developed a priority list of multimodal cost feasible projects that could be implemented within the planning time horizon from identified sources of funding. These cost feasible project lists were mostly a subset of the needs lists (although some project refinements were allowable in arriving at the final cost feasible plans). The regional assessment work proceeded in two rounds, with a draft cost feasible plan round providing interim transportation modeling results and measures, and a final cost feasible plan round, based on the adopted LRTP for each regional MPO.

For the regional plan assessment, the E+C network definition remained unchanged from that used during the needs assessment phase of work (see Section 3). The subsections that follow present the cost feasible definition and measures derived from the final model runs performed for each scenario.

COST FEASIBLE NETWORK DEFINITION

The regional cost feasible network was assembled through coordination with the project stakeholders, including receiving lists of their roadway and transit project nominations. For the first round cost feasible network analysis, model results for the E+C network and needs network were also available to inform the selection of cost feasible network projects. For the second round, the first round cost feasible results were available along with any work performed by each MPO to support their specific LRTP analysis process.

A total of 236 cost feasible projects were included in the cost feasible network, including 177 roadway projects and 59 transit projects. Table 4-1 provides a quick reference summary of the received lists of projects from each of the MPOs.

Table 4-1: Quick Summary of Cost Feasible Network Projects by Jurisdiction

	Roadway Projects	Transit Projects	Total Projects
Palm Beach	47	27	74
Broward	40	9	49
Miami-Dade	90	23	113
Total	177	59	236

Major highway projects in the regional cost feasible network included:

- Palm Beach
 - I-95 managed lanes from Linton Blvd to Broward/Palm Beach county line
 - Glades Road widening from Butts Road to NW 10th/University
 - SR 7 widening from Okeechobee Blvd to Belvedere Road

- Broward
 - I-95 managed lanes from Stirling Rd to Broward/Palm Beach county line
 - Sawgrass Expressway widening from I-595 to Turnpike
 - Turnpike widening segments between HEFT and Palm Beach county line
 - I-595 reversible lanes opening

- Miami-Dade
 - SR-836 managed lane from HEFT to 27th Ave
 - SR-826 managed lane/improvements from SR-826 to NW 17th Ave
 - SR-924 Gratigny West Extension from SR-826 to HEFT
 - HEFT multiple segments widening
 - SR-997 Krome Ave Truck Bypass
 - US-27 from Krome Ave to NW 79th Ave, multiple grade separation intersection

Major transit projects included in the cost feasible plan network included:

- Regional
 - Tri-Rail Coastal Link on FEC: West Palm Beach to Jupiter
 - Tri-Rail Extension along CSX/SR 710 from Mangonia Park to VA Hospital

- Palm Beach
 - Express bus on several alignments, including several routes serving West Palm Beach (WPB) Intermodal Center

- Broward
 - Express bus from Aventura Mall to Ft. Lauderdale downtown
 - Express bus from Golden Glades to Sample Rd

- Miami-Dade
 - Downtown Intermodal Terminal
 - Dolphin Mall Station PNR / Transit Terminal
 - Palmetto Intermodal Terminal
 - Enhanced bus on several alignments; additional park-and-ride improvements
 - North Corridor BRT from MLK Metrorail Station to NW 215 St
 - Double-track Tri-Rail for Miami River Intermodal Center capacity improvement

Attachment B contains a listing of the roadway and transit projects incorporated in the cost feasible network.

FUTURE SCENARIO CONDITIONS

This subsection presents summaries comparing the E+C and cost feasible networks and their performance under 2040 conditions.

Roadway Network Enhancements

The Needs network adds over 600 lane miles of roadway network over what is included in the E+C network. This includes over 385 lane miles of limited access highway and 55 lane miles of high-speed arterial roadway. Table 4-2 summarizes the roadway lane miles added by jurisdiction. Table 4-3 summarizes roadway lane miles added by facility type.

Table 4-2: Roadway Snapshot – Lane Miles Added by Jurisdiction

Area	Scenarios		Change	
	E+C	Cost Feasible		
Palm Beach	5,157	5,373	216	4%
Broward	5,031	5,150	119	2%
Miami-Dade	6,150	6,424	274	4%
Regional	16,339	16,948	609	4%

Table 4-3: Roadway Snapshot – Lane Miles Added by Facility Type

Facility Type	Scenarios		Change	
	E+C	Cost Feasible		
Limited Access	4,446	4,832	386	9%
High Speed Arterials	8,007	8,062	55	1%
Low Speed Arterials	3,886	4,054	168	4%
Total	16,339	16,948	609	4%

Transit Network Enhancements

The cost feasible network adds over 700 route miles of transit services over what is included in the E+C network. This includes over 30 route miles of additional rail service and over 650 route miles of additional premium bus service. Table 4-4 provides a summary of the transit route miles added in the cost feasible network.

Table 4-4: Transit Snapshot – Route Miles Added

Transit Operator/Type	Estimated 2040 Route Miles			
	E+C	Cost Feasible	Change	Change
Tri-Rail	145	175	30	
Metrorail	80	80	0	
I-95 Inter-County Express	285	285	0	
Tri-Rail Shuttles	175	175	0	
Subtotal	685	715	30	+4%
Palm BRT	0	0	0	
Palm Tran Exp	110	730	620	
Palm Tran Local	1,230	1,230	0	
Subtotal Palm	1,340	1,960	620	+46%
BCT LRT	0	0	0	
BCT Rapid Bus	0	5	5	
BCT BRT	0	0	0	
BCT Breeze	160	185	25	
BCT Local	1,765	1,780	15	
Subtotal Broward	1,925	1,970	45	+2%
MDT LRT	0	0	0	
MDT Busway Flyers	0	0	0	
MDT MAX/KAT/Busway Local	55	55	0	
MDT BRT	0	25	25	
MDT Express	230	230	0	
MDT I-95 Exp	170	200	30	
I-95 Inter-County Express	95	95	0	
Metromover	10	10	0	
MDT Local	2,705	2,665	(40)	
Subtotal Miami-Dade	3,265	3,285	20	+1%
Total Route Miles	7,215	7,930	715	+10%

Model Results – Average Trip Length

Tables 4-5 to 4-7 show the average person trip length in miles for the individual three counties by trip purpose. The trip purpose is classified based on the destination of the trips. Base year 2010, Existing + Committed, and Cost Feasible scenarios are presented and arranged side by side for comparison view.

Table 4-5: Average Trip Length in Palm Beach County

Purpose at Destination	2010 Existing	Scenario	
		E + C	Cost Feasible
Work	9.1	9.6	9.7
University	11.0	6.9	6.9
School	4.0	3.7	3.7
Shop	5.2	5.4	5.4
Escort	6.5	6.9	6.9
Maintenance	7.1	7.2	7.1
Work-based	3.2	3.3	3.3
Work-related	8.6	9.5	9.6
Visiting	9.6	9.9	9.8
Eating Out	5.6	5.6	5.6
Discretionary	5.1	5.3	5.2

Table 4-6: Average Trip Length in Broward County

Purpose at Destination	2010 Existing	Scenario	
		E + C	Cost Feasible
Work	9.1	8.6	8.6
University	9.9	8.4	8.5
School	3.4	3.0	3.0
Shop	5.1	5.0	5.0
Escort	5.9	5.9	5.9
Maintenance	6.2	6.2	6.2
Work-based	3.8	3.5	3.5
Work-related	8.2	8.2	8.3
Visiting	8.6	8.3	8.3
Eating Out	6.8	5.0	5.0
Discretionary	4.7	4.7	4.7

Table 4-7: Average Trip Length in Miami-Dade County

Purpose at Destination	2010 Existing	Scenario	
		E + C	Cost Feasible
Work	8.9	7.9	8.0
University	6.1	6.4	6.4
School	3.3	2.6	2.6
Shop	4.5	4.3	4.3
Escort	5.5	5.3	5.3
Maintenance	5.7	5.4	5.4
Work-based	3.1	3.3	3.3
Work-related	8.1	7.6	7.7
Visiting	7.5	7.2	7.3
Eating Out	4.6	4.4	4.4
Discretionary	4.2	4.0	4.0

Model Results – Mode Choice

Table 4-8 and Table 4-9 highlight the mode choice results obtained in the final SERPM 7 model application using the E+C network and cost feasible network. The cost feasible network appears to maintain the level of transit mode share, even with the added roadway projects.

Table 4-8: E+C Network Mode Choice

	Drive Alone	Carpool	Transit	Non-Motorized +
				School Bus
Palm Beach	50.5%	35.8%	0.9%	12.8%
Broward	49.5%	36.3%	1.1%	13.2%
Miami-Dade	44.1%	33.9%	2.4%	19.6%
Region Total	47.3%	35.1%	1.6%	16.0%

Table 4-9: Cost Feasible Network Mode Choice

	Drive Alone	Carpool	Transit	Non-Motorized + School Bus
Palm Beach	50.4%	35.9%	0.9%	12.8%
Broward	49.5%	36.3%	1.1%	13.1%
Miami-Dade	44.1%	33.9%	2.4%	19.6%
Region Total	47.3%	35.1%	1.6%	15.9%

Table 4-10 provides a summary of the 2040 transit assignment results from the E+C and cost feasible network scenarios. In total, the assignment results reflect the growth in transit boardings that result from the forecast mode share shift. It should be kept in mind that transit ridership in each of the scenarios is affected not only by the transit service provided but also the roadway network improvements. Also, in reviewing the table, the reader is reminded that the model reports regional rail boardings by system rather than by jurisdiction (e.g., the “Miami-Dade subtotal” does not include Metrorail boardings).

Table 4-10: Forecast Transit Boardings

Transit Operator/Type	Estimated 2040 Boardings			
	E+C	Cost Feasible	Change	
Tri-Rail	14,820	15,980	1,160	
Metrorail	82,090	81,460	(630)	
I-95 Inter-County Express	1,650	1,390	(170)	
Tri-Rail Shuttles	13,750	13,180	(570)	
Subtotal	112,310	112,010	(300)	0%
Palm BRT	0	0	0	
Palm Tran Exp	10	2,730	2,720	
Palm Tran Local	65,640	64,800	(840)	
Subtotal Palm	65,640	67,520	1,880	+3%
BCT LRT	0	0	0	
BCT Rapid Bus	0	940	940	
BCT BRT	0	0	0	
BCT Breeze	8,840	11,600	2,760	
BCT Local	103,290	103,900	610	
Subtotal Broward	112,130	116,440	4,310	+4%
MDT LRT	0	0	0	
MDT Busway Flyers	0	0	0	
MDT MAX/KAT/Busway Local	63,560	15,410	(48,150)	
MDT BRT/LRT	0	16,360	16,360	
MDT Express	4,950	40,360	35,410	
MDT I-95 Exp	3,390	3,980	590	
I-95 Inter-County Express	2,800	2,690	(110)	
Metromover	34,860	38,200	3,340	
MDT Local	229,170	230,950	1,780	
Subtotal Miami-Dade	338,740	347,930	9,190	+3%
Total Boardings	628,830	643,900	15,070	+2%

Model Results – Highway Performance Measures

As a region, vehicle-miles of traveled (VMT) was virtually unchanged moving from the E+C network to the cost feasible network. Table 4-8 provides a summary of absolute VMT by jurisdiction, to facilitate subsidiary analyses and comparison to existing conditions.

Table 4-11: Summary of VMT by Jurisdiction, E+C and Cost Feasible Network Model Runs

	E+C Network	Needs Network
Palm Beach	39,203,950	39,069,854
Broward	44,897,891	45,011,883
Miami-Dade	54,902,763	55,118,042
Total	139,004,603	139,199,779

Table 4-12 summarizes VMT from the model by facility type and by jurisdiction. Limited access facilities (freeways, managed lanes) showed the largest increase by facility type, aligning with the large proportional change in lane miles by this functional type in the cost feasible network (see Table 4-3).

Table 4-12: Summary of Change in VMT between E+C and Cost Feasible Network Model Runs

Jurisdiction	High Speed			
	Limited Access	Arterial	Low Speed Arterial	All Facility
Palm Beach	1.6%	-2.9%	3.0%	-0.3%
Broward	1.4%	-0.7%	-0.4%	0.3%
Miami Dade	2.4%	-2.4%	1.0%	0.4%
Total	1.8%	-1.9%	1.1%	0.1%

Table 4-13 summarizes vehicle-hours traveled (VHT) from the model by jurisdiction and facility type. As a region, vehicle-hours traveled (VHT) decreased by 2.1 percent, with Miami-Dade demonstrating the largest decrease. This appears to be related to the added roadway capacity in the cost feasible network. Roadway widening adds capacity and tends to result in lower VHT, owing to potential congestion reduction. VHT reductions by facility type also appear to relate to the lane mile increases by facility type (see Table 4-3).

Table 4-13: Summary of Change in VHT between E+C and Cost Feasible Network Model Runs

Jurisdiction	High Speed			
	Limited Access	Arterial	Low Speed Arterial	All Facility
Palm Beach	-1.4%	-4.0%	1.8%	-2.5%
Broward	-0.6%	-1.2%	-0.8%	-1.0%
Miami Dade	-0.2%	-3.7%	-3.2%	-2.5%
Total	-0.7%	-2.8%	-2.4%	-2.1%

**Attachment A Model Network
Projects – Regional Needs**

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
PALM BEACH PROJECTS -- ROADWAY					
7018	15	45th St	Haverhill Rd	Halfway to N Military Trail	Widen from 4 to 6 lanes
7055		45th St	Halfway to N Military Trail	N Shore Dr	Widen from 6 to 8 lanes
7001	37	Atlantic Ave	SR 7	Lyons Rd	Widen from 4 to 6 lanes
7002	37	Atlantic Ave	Lyons Rd	East ramp of the Turnpike	Widen from 4 to 6 lanes
7013	37	Atlantic Ave	Turnpike	Jog Rd	Widen from 6 to 8 lanes
7041		Boynton Beach Blvd	I-95	Seacrest Blvd	Widen from 4 to 6 lanes
7028	28	Congress Ave N	Blue Heron Blvd	Silverbeach Rd	Widen from 4 to 6 lanes
7019	28	Congress Ave S	Hypoluxo Rd	Lantana Rd	Widen from 4 to 6 lanes
7015	2	Florida's Turnpike	Broward County Line	Lantana Toll Plaza	Widen from 6 to 8 lanes
7016	2	Florida's Turnpike	Lantana Toll Plaza	PGA Blvd	Widen from 6 to 8 lanes
7017	2	Florida's Turnpike	PGA Blvd	Martin County Line	Widen from 4 to 6 lanes
7038		Forest Hill Blvd	Pinehurst Dr	Jog Rd	Widen from 6 to 8 lanes
7039		Forest Hill Blvd	Military Tr	Congress Ave	Widen from 6 to 8 lanes
7063		Forest Hill Blvd	SR 80/Southern Blvd	Wellington Trace	Widen from 6 to 8 lanes
7064		Forest Hill Blvd	South Shore Blvd	SR 7	Widen from 6 to 8 lanes
7003	42	Glades Rd	SR 7	FAU Blvd/W. University Dr	Widen from 6 to 8 lanes
7014	3	I-95	Linton Blvd	Indiantown Rd	Construct managed lanes facility
7101		I-95	At SR 710	N/A	New interchange
7102		I-95	At Central Blvd	N/A	New interchange
7004	1	Indiantown Rd	Pratt-Whitney Rd	131st Trail N	Widen from 2 to 4 lanes
7035		Indiantown Rd	Jupiter Farms Rd	Florida's Turnpike	Widen from 4 to 6 lanes
7036		Indiantown Rd	I-95	Center St	Widen from 6 to 8 lanes
7020	17	Jog Rd Extension	Roebuck Road	45th Street	Construct 4 lane facility
7040		Lake Worth Rd	Pinehurst Dr	Coconut Rd	Widen from 6 to 8 lanes
7021	33	Lantana Rd	Lyons Rd	Hagen Ranch Rd	Widen from 4 to 6 lanes
7037		Lantana Rd	Hagen Ranch Rd	Congress Ave	Widen from 6 to 8 lanes
7054		Martin Luther King Jr. Blvd	Old Dixie Hwy	US 1/Port of Palm beach	Widen from 2 to 4 lanes
7032		Military Tr	Okeechobee Blvd	Roebuck Rd	Widen from 6 to 8 lanes
7033		Military Tr	45th St	SR 710/ Bee Line Hwy	Widen from 6 to 8 lanes
7034		Military Tr	Northlake Blvd	Burns Rd	Widen from 6 to 8 lanes
7072		Military Tr	At Okeechobee Blvd	N/A	New urban interchange
7073		Military Tr	At Yamato Rd	N/A	New urban interchange
7074		Military Tr	At Palmetto Park Rd	N/A	New urban interchange

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
7023	11	Northlake Blvd	Coconut Blvd	SR 710/ Bee Line Hwy	Widen from 4 to 6 lanes
7053		Northlake Blvd	Military Tr	US 1	Widen from 6 to 8 lanes
7006	19	Okeechobee Blvd	Crestwood Blvd	West of Royal Palm Beach Blvd	Widen from 4 to 6 lanes
7024	19	Okeechobee Blvd	SR 80	Seminole Pratt-Whitney Rd	Construct 2 lane facility
7025	19	Okeechobee Blvd	Seminole Pratt-Whitney Rd	West of Crestwood Blvd	Widen from 2 to 4 lanes
7052		Okeechobee Blvd	I-95	Australian Ave	Widen to 10 lanes
7076		Okeechobee Blvd	At SR 7	N/A	New urban interchange
7077		Okeechobee Blvd	At Jog Rd	N/A	New urban interchange
7078		Okeechobee Blvd	At Palm Beach Lakes Blvd	N/A	New urban interchange
7007	5	Old Dixie Hwy	Yamato Rd	Jeffery St	Widen from 2 to 4 lanes
7026	43	Palmetto Park Rd	West of Boca Rio Rd	S. Military Trail	Widen from 6 to 8 lanes
7027	43	Palmetto Park Rd	Lyons Rd	Florida's Turnpike	Widen from 6 to 8 lanes
7047		Palmetto Park Rd	S. Military Tr	I-95	Widen from 6 to 8 lanes
7048		Palmetto Park Rd	I-95	NW 12th Ave	Widen from 6 to 8 lanes
7049		Palmetto Park Rd	NW 10th Ave	NW 2nd Ave	Widen from 4 to 6 lanes
7043		PGA Blvd	Florida's Turnpike	I-95	Widen from 6 to 8 lanes
7044		PGA Blvd	I-95	Lake Victoria Gardens	Widen to 10 lanes
7045		PGA Blvd	Lake Victoria Gardens	Campus Dr	Widen from 6 to 8 lanes
7046		PGA Blvd	US 1	Village Rd	Widen from 2 to 4 lanes
7008	17	Powerline Rd	Broward County Line	Palmetto Park Rd	Widen from 4 to 6 lanes
7075		Powerline Rd	At Glades Road	N/A	New urban interchange
7031		Powerline/Jog Rd	Palmetto Park Rd	Yamato Rd	Widen from 4 to 6 lanes
7009	20	SR 7	0.25 miles N of Bridgebrook Dr	.7 miles N of Atlantic Ave	Widen from 4 to 6 lanes
7010	20	SR 7	Belvedere Rd	Okeechobee Blvd	Widen from 6 to 8 lanes
7030		SR 7	Lake Worth Rd	Belvedere Rd	Widen to 10 lanes
7065		SR 7	Okeechobee Blvd	60th St	Widen from 2 to 4 lanes
7066		SR 7	60th St	Northlake Blvd	Construct 4 lane facility
7070		SR 7	At Forest Hill Rd	N/A	New urban interchange
7071		SR 7	At Lake Worth Rd	N/A	New urban interchange
7056		SR 80	Lion Country Safari Rd	Forest Hill Blvd	Widen from 4 to 6 lanes
7103		SR 91	At Hypoluxo Rd	N/A	New interchange
7104		SR 91	At Palmetto Park Rd	N/A	New interchange
7067		SR 710	At Seminole Pratt-Whitney Rd	N/A	New urban interchange
7068		SR 710	At PGA Blvd	N/A	New urban interchange

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
7069		SR 710	At Northlake Blvd	N/A	New urban interchange
7012	9	SR 710/Bee Line Hwy	Moroso Motorsports Park	Northlake Blvd	Widen from 4 to 6 lanes
7050		SR 710/Bee Line Hwy	Northlake Blvd	I-95	Widen from 6 to 8 lanes
7057		US 1	Marcinski Dr	Donald Ross Rd	Widen from 4 to 6 lanes
7058		US 1	A1A	PGA Blvd	Widen from 4 to 6 lanes
7059		US 1	Palmetto Dr	54th St	Widen from 4 to 6 lanes
7060		US 1	Harbourside Dr	Tropic Blvd	Widen from 4 to 6 lanes
7061		US 1	Hiiden Valley Blvd	Glades Rd	Widen from 4 to 6 lanes
7062		US 1	SW 18th St	Broward County Line	Widen from 4 to 6 lanes
7029	36	Woolbright Rd	I-95	Seacrest Blvd	Widen from 4 to 6 lanes
7042		Yamato Rd	West of I-95	NW 2nd Ave	Widen from 6 to 8 lanes
PALM BEACH PROJECTS -- TRANSIT					
		13th St Station	at 13th St		New Tri-Rail (FEC) Station
		45th St Station	at 45th St		New Tri-Rail (FEC) Station
		Atlantic Ave Station	at Atlantic Ave		New FEC Station
		Atlantic Avenue PNR	at SE of SR 91		50 spaces
		Blue Heron (VA Hospital) Station	at Blue Heron (VA Hospital)		New CSX/SR 710 Station
		Boynton Beach Blvd PNR	at SE of SR 91		50 spaces
		Boynton Beach Blvd Station	at Boynton Beach Blvd		New FEC Station
		Donald Ross Road PNR	at SE of I-95		50 spaces
		Downtown WPB Station	at Downtown WPB		New Tri-Rail (FEC) Station
		E Seminole Pratt Whitney Rd (FL Research Park) Station	at E Seminole Pratt Whitney Rd (FL Research Park)		New CSX/SR 710 Station
		Glades Rd/Military Tr Station	at Glades Rd/Military Tr		New CSX Station
		Glades Road PNR	at NE of SR 7		50 spaces
		Glades Road PNR	at NW of SR 91		50 spaces
		Hypoluxo Road PNR	at SE of SR 91		50 spaces
		Indiantown Road PNR	at SW Jupiter Farms Road		50 spaces
		Jog Road PNR	at SW of 45th Street		50 spaces
		Lake Worth Rd Station	at Lake Worth Rd		New FEC Station
		Northlake Blvd PNR	at SW of Coconut		50 spaces
		Northlake Blvd PNR	at SE of SR 91		50 spaces
		Palm Tran Express 1	Broward Co	Palm Beach Gardens	Express Bus via Turnpike
		Palm Tran Express 2	Forest Hill Blvd	Downtown WPB Station	Express Bus via Southern Blvd

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
		Palm Tran Express 3	SR 7/Forest Hill Blvd	WPB Station	Express Bus via SR 7/Okeechobee Blvd
		Palm Tran Express 4	SPW/Persimmon Blvd	Gardens Mall	Express Bus via SPW Rd/Northlake Blvd/Military Tr/PGA Blvd
		Palm Tran Express 5	Glades Rd	Palm Beach Gardens Blvd	Express Bus via Military Tr
		Palm Tran Rapid 1	Broward Co	Boca Raton	Rapid Bus via SR 7 to Glades Rd
		Palm Tran Rapid 2	Broward Co	Mall at Wellington Green	Rapid Bus via SR 7
		Palm Tran Rapid 3	Mall at Wellington Green	Boca Raton	Rapid Bus via SR 7 to Glades Rd
		Palm Tran Rapid 4	Mall at Wellington Green	Lake Worth	Rapid Bus via SR 7 to Lake Worth Rd
		Palm Tran Rapid 5	Mall at Wellington Green	West Palm Beach	Rapid Bus via SR 7 to Okeechobee Blvd
		Palm Tran Rapid 6	Boca Raton	West Palm Beach	Rapid Bus via US 1
		Palmetto Park Rd Station	at Palmetto Park Rd		New FEC Station
		Palmetto Park Road PNR	at SW of SR 91		50 spaces
		Park Ave Station	at Park Ave		New Tri-Rail (FEC) Station
		PGA Blvd PNR	at NW of US 1		50 spaces
		PGA Blvd Station	at PGA Blvd		New Tri-Rail (FEC) Station
		Seminole Pratt Whitney Road PNR	at NE of Persimmon Boulevard		100 spaces
		SFRTA Tri-Rail Coastal Link	Boca/FAU	Miami	Light Rail via Pompano to FEC
		SFRTA Tri-Rail Coastal Link	Jupiter	Ft Lauderdale	Light Rail on FEC
		SFRTA Tri-Rail Extension (along CSX/SR 710)	Mangonia Park	Seminole Pratt Whitney Rd	Commuter Rail
		Southern Blvd PNR	at SW of SR 7		50 spaces
		Southern Blvd PNR	at SE of SR 91		50 spaces
		Southern Blvd PNR	at SW of Military Trail		50 spaces
		Toney Penna Dr Station	at Toney Penna Dr		New Tri-Rail (FEC) Station
		W PGA Blvd (N Co Airport) Station	at W PGA Blvd (N Co Airport)		New CSX/SR 710 Station
		Yamato Road PNR	at NW of SR 91		50 spaces
BROWARD PROJECTS -- ROADWAY					
8328	2035 LRTP	Eller Dr/ICTF	at 7th Ave		New overpass (7th Ave goes over Eller Drive)
8277	FDOT-D4	Ft Lauderdale Amtrak/Tri-Rail	Broward Blvd at I-95	Amtrak/Tri-Rail Station	Modify Interchange
8270	FDOT-D4	Ft Lauderdale FEC Intermodal Terminal	SR9/I-95	FEC Terminal	Modify Connector
8271	FDOT-D4	Ft Lauderdale Greyhound Bus Terminal	SR9/I-95	Terminal	Modify Connector
8272	FDOT-D4	PEV Connector//SR 84	I-95	Port Everglades	Modify Connector
8185	2035 LRTP	SR 7/US 441	Stirling Rd	North of Fillmore St	From 4 to 6 lanes (6LD)
8379	FDOT-D4	SR 9/I-95	Miami-Dade/Broward Line	Palm Beach/Broward Line	Ultimate Plan

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
8008	FDOT-D4	SR 25/US 27	Miami-Dade/Broward Line	I-75	Add 2 Lanes to build 6 Lanes
8323	FDOT-D4	SR 25/US 27	at Pines Bl		New Interchange
8324	FDOT-D4	SR 25/US 27	at Griffin Rd		New Interchange
8325	FDOT-D4	SR 25/US 27	at Pembroke Rd		New Interchange
8326	FDOT-D4	SR 25/US 27	at Stirling Rd		New Interchange
8327	FDOT-D4	SR 25/US 27	at Sheridan St		New Interchange
8013	FDOT-TPK	SR 91/Florida's Turnpike	at MP 62 / Commercial Blvd		Add Southbound-to-Westbound Ramp
8015	FDOT-TPK	SR 91/Florida's Turnpike	at MP 49 / Hollywood Blvd		All Electronic Toll Off-Ramp for SB-to-WB
8281	FDOT-D4	SR 91/Florida's Turnpike	at Griffin/I-595 Ramps		Modify Interchange
8347	FDOT-TPK	SR 91/Florida's Turnpike	at MP71 / Sawgrass Expwy		Ramp Capacity
8348	FDOT-TPK	SR 91/Florida's Turnpike	at 1A / Sunrise Blvd		Ramp Capacity
8386	FDOT-TPK	SR 91/Florida's Turnpike	at MP47 / HEFT at Mainline		Widen Ramp, NB HEFT to NB Mainline
8387	FDOT-TPK	SR 91/Florida's Turnpike	MP51 / N. of Johnson St	MP53 / Griffin Rd	Widen to 8 lanes
8388	FDOT-TPK	SR 91/Florida's Turnpike	MP47 / HEFT	MP51 / N. of Johnson St	Widen to 8 lanes
8389	FDOT-TPK	SR 91/Florida's Turnpike	MP71 / Sawgrass Expwy	MP73 / Palm Beach/Broward Line	Widen to 8 lanes
8390	FDOT-TPK	SR 91/Florida's Turnpike	MP66 / N. of Atlantic Blvd	MP71 / Sawgrass Expwy	Widen to 8 lanes
8391	FDOT-TPK	SR 91/Florida's Turnpike	MP59 / N. of Sunrise Blvd (NB)	MP66 / N. of Atlantic Blvd (NB)	Widen to 4 lanes
8392	FDOT-TPK	SR 91/Florida's Turnpike	MP39 / Interstate 75	MP45 / E. of NW 57th Av	Widen to 6 lanes
8147	FDOT-TPK	SR 91/Florida's Turnpike -- HEFT	MP 26	MP 47	All Plazas Conversion to All Electronic Tolling - Phase 3
8149	FDOT-TPK	SR 91/Florida's Turnpike -- Sawgrass Expressway	MP 0	MP 20	Conversion to All-Electronic Tolling - Phase 5
8148	FDOT-TPK	SR 91/Florida's Turnpike -- Turnpike Mainline	Golden Glades	Griffin Rd.	All Plazas Conversion to All-Electronic Tolling - Phase 4
8149	FDOT-TPK	SR 91/Florida's Turnpike -- Turnpike Mainline	MP 54	MP 86	Conversion to All-Electronic Tolling - Phase 5
8009	FDOT-D4	SR 93/I-75	HEFT	I-595	Add 4 Special Use Lanes
8265	FDOT-D4	SR 93/I-75	Miami-Dade/Broward Line	S. of Miramar Pkwy	Managed Lanes
8266	FDOT-D4	SR 93/I-75	S. of Miramar Pkwy Int.	S. of Sheridan St	Managed Lanes
8267	FDOT-D4	SR 93/I-75	S. of Sheridan St.	N. of Griffin Rd	Managed Lanes
8268	FDOT-D4	SR 93/I-75	N. of Griffin Rd	I-595	Managed Lanes
8282	FDOT-D4	SR 93/I-75	at Griffin Rd		Modify Interchange
8284	FDOT-D4	SR 93/I-75	at Sheridan St		Modify Interchange
8285	FDOT-D4	SR 93/I-75	N. of HEFT	N. of Miramar Pkwy	Modify Interchange

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
8286	FDOT-D4	SR 93/I-75	at SR 820 Pines Blvd from N. of Miramar Pkwy	N. of PI	Modify Interchange
8287	FDOT-D4	SR 93/I-75	at Royal Palm Blvd from S. of SW 36 St	N. of SW 14 St	Modify Interchange
8288	FDOT-D4	SR 93/I-75	at SR-820/Pines Blvd Ramps		Modify Interchange
8289	FDOT-D4	SR 93/I-75	at Miramar Pkwy Ramps		Modify Interchange
8290	FDOT-D4	SR 93/I-75	at Sheridan St		Modify Interchange
8291	FDOT-D4	SR 93/I-75	at Miramar Parkway		Modify Interchange
8292	FDOT-D4	SR 93/I-75	at SR 820/Pines Bl		Modify Interchange
8293	FDOT-D4	SR 93/I-75	at Sawgrass Expwy		Modify Interchange
8294	FDOT-D4	SR 93/I-75	at Griffin Rd		Modify Interchange
8375	Fort Lauderdale	SR 811/Dixie Hwy	at NE 18TH CT		Traffic Circle
8186	2035 LRTP	SR 817/University Dr	Sawgrass Expressway	NW 40th St (Cardinal)	From 4 to 6 lanes (6LD)
8187	2035 LRTP	SR 818/Griffin Rd	Flamingo Rd	I-75	From 4 to 6 lanes (6LD)
8274	FDOT-D4	SR 820/Hollywood Amtrak/Tri-Rail Station	I-95	Tri-Rail Station	Modify Connector
8278	FDOT-D4	SR 821/HEFT	at NW 57TH Av		Modify Interchange
8279	FDOT-D4	SR 821/HEFT	at SR 93/I-75 Interchange (MP 39)		Modify Interchange
8006	FDOT-D4	SR 821/HEFT Auxiliary Lanes	Miramar Toll Plaza (MP43-4)	NW 57 Av	Add 2 Auxiliary Lanes
8188	2035 LRTP	SR 822/Sheridan St	US 1	Dixie Hwy	From 4 to 6 lanes (6LD)
8189	2035 LRTP	SR 827/Pembroke Rd	Douglas Rd	University Dr	From 4 to 6 lanes (6LD)
8354	2035 LRTP	SR 827/Pembroke Rd	SR 7/US 441	West of Florida's Turnpike	Restripe for 6 lanes
8190	2035 LRTP	SR 845/Powerline Rd	Palm Beach/Broward Line	SW 10th St	From 4 to 6 lanes (6LD)
8378	2035 LRTP	SR 862/I-595	SR 7	I-75	Ultimate Plan
8237	2035 LRTP	SR 869/Sawgrass Expressway	at Hollywood Bl		Implement Open Road Tolling
8275	FDOT-D4	Tri-Rail Station	Cypress Creek	I-95	Modify Connector
8276	FDOT-D4	Tri-Rail Station	I-95	Deerfield Beach/Amtrak	Modify Connector
8273	FDOT-D4	Tri-Rail Station Pompano Beach	Tri-Rail Station	I-95	Modify Connector
BROWARD PROJECTS -- TRANSIT					
8162	FDOT-D4	Central Broward East-West Transit	Sawgrass Mills Mall	Downtown & Fort Lauderdale Int'l	Exclusive Transit, Hub to Hub Connector
8316	BCT	Cypress Creek Blvd	Federal Hwy	Hiatus Rd	New Fixed Route Service
8152	BCT	Cypress Creek Tri-Rail Access Improvements			Bus connection realignment
8317	BCT	McNab Rd	Federal Hwy	Hiatus Rd	New Fixed Route Service
8318	BCT	Nob Hill Rd	Broward Blvd	Holmberg Rd	New Fixed Route Service
8308	BCT	SR 5/ US 1	Broward Terminal	Aventura Mall (Miami-Dade County)	New BRT/Premium Service

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
8309	BCT	SR 7/US 441	Sandalfoot Blvd	Golden Glades	New BRT/Premium Service
8315	BCT	SR 93 /I-75 Express Bus Route	Miami-Dade International Airport	I-595/I-75 area	New Express Bus Service
8163	FDOT-D4	SR 93/I-75	Sawgrass Mills Mall	Homestead Extension Florida Turn	Exclusive Transit, Transit Corridor
8310	BCT	SR 816/Oakland Park Blvd	Sawgrass Mills Mall	SR A1A	New BRT/Premium Service
8311	BCT	SR 817/University Dr	Sample Rd	Golden Glades	New BRT/Premium Service
8160	FDOT-D4	SR 820/Hollywood-Pines Blvd/I-95 Transi	I-75	Downtown Miami	Exclusive Guideway, transit corridor
8312	BCT	SR 834/Sample Rd	Coral Ridge Dr	US 1	New BRT/Premium Service
8313	BCT	SR 838/Sunrise Blvd	Sawgrass Mills Mall	SR A1A	New BRT/Premium Service
8314	BCT	SR 842/Broward Blvd	Sawgrass Mills Mall	Broward Terminal	New BRT/Premium Service
8133	2035 LRTP	Tri-Rail			Commuter Rail
8330	FDOT-D4	Tri-Rail Coastal Link	Miami	Pompano Beach	Passenger Rail
8331	FDOT-D4	Tri-Rail Coastal Link	Pompano Beach	West Palm Beach	Passenger Rail
8134	2035 LRTP	Tri-Rail Deerfield Beach Station New Parking Deck			Commuter Rail
8135	2035 LRTP	Tri-Rail Hollywood Station, New Parking Deck			Commuter Rail
8374	FDOT-D4	Wave Streetcar Connector	Griffin Rd Tri-Rail Station	Broward County Transit Hub	Connector service
8381	Fort Lauderdale	Wave Streetcar Expansion	Andrews Ave	SE 1st Ave	Expansion to Broward Blvd Tri-Rail Station via Broward, SE 2nd St
8382	Fort Lauderdale	Wave Streetcar Expansion	Andrews Ave	Eisenhower Blvd via SE 17th St	Expansion to the Convention Center along 17th St
8383	Fort Lauderdale	Wave Streetcar Expansion	SE 17th St	Airport	Expansion to FLL Airport via Andrews Ave and US 1
MIAMI-DADE PROJECTS -- ROADWAY					
6172	MB104	41st St	Atlon Rd	Collins Ave	Corridor Improvements
6070	MDX100	Airport/Seaport Managed Lanes- LeJeune Road / NW 42 Avenue	just south of SR 836	just north of SR 112	Congestion pricing within non-physically separated managed lanes along and connection through LeJeune Road/NW 42 Avenue. Congestion mitigation improvements.
6071	MDX101	Airport/Seaport Managed Lanes-SR 112	I-95	just west of LeJeune Road / NW 42 Avenue	Congestion pricing within non-physically separated managed lanes and connection through LeJeune Road/NW 42 Avenue. Congestion mitigation improvements.
6072	MDX102	Airport/Seaport Managed Lanes-SR 836	from NW 137 Avenue	just west of I-95	Congestion pricing within non-physically separated managed lanes and connection through LeJeune Road/NW 42 Avenue. Congestion mitigation improvements.
6164	HS105	Campbell Dr	SW 152nd Ave	SW 137th Ave	4- to 6-lanes divided roadway with left turn lanes

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6145	POM100	Downtown/Port Access			Construct I-95 NB Slip Ramp on NW 6th St; Implement NE/NW 5th/6th Sts/Port Blvd. improvements for access between POM and I-95 slip ramp
6001	SIS100	GGI: SR-826/Palmetto Expy	NW 17 AVE @ SR 826	NB I-95 @ NW 183rd St	Modify Interchange (Ramp Improvements to provide direct system to system connection)
6002	SIS101	GGI: SR-826/Palmetto Expy	NW 17 AVE	Golden Glades Interchange	Modify Interchange
6003	SIS102	Golden Glades Interchange	SB Turnpike	SB I-95 @ NW 135th St	Modify Interchange
6004	SIS103	Golden Glades Interchange	Ramp Reconstruction		Modify Interchange
6067	TP113	HEFT	SW 216th St	Eureka Dr	Widen to 10 lanes (divided)
6068	TP114	HEFT	NW 57th/Red Road	Turnpike Mainline	Widen to 8 lanes (divided)
6005	SIS105	I-75	NW 170 ST	Broward/Miami-Dade Line	Add special use lanes
6007	SIS107	I-75	SR 826	NW 170 ST	Ultimate improvement
6024	SIS108	I-75 (incl. Transitway & SUL)	SR 826	Broward County Line	Provide for an envelope for future transit service
6053	FDOT104	I-95	Golden Glades Interchange	Broward/Miami-Dade County Line	Special Use Lanes
6153	CoM104	I-95/NW 20th St PD&E			New ramp construction to serve Health District
6009	SIS110	Krome Ave/SR 997	SW 328th St (Lucy St)	SW 296th St	2 to 4 lanes
6022	SIS139	Krome Ave/SR 997	SW 136th St	Kendall Dr	2 to 4 lanes
6025	SIS112	Krome Truck By Pass	Along Flagler Ave/ Civic Court	NW 6th St	New 2-lane road (Companion project with FDOT30-1)
6073	MDX103	MDX Connect 4 Express	Central Miami-Dade County	North Miami-Dade County	Link SR 836, SR 112, SR 924 and SR 826. Limited access N/S facility connecting the northern and central portion of the County. Multimodal Corridor
6074	MDX104	MDX State Road 836 Capacity Improvements	west of NW 57th Avenue	NW 17th Avenue	Roadway improvements to provide additional capacity, improvements to the interchanges at NW 57th Avenue/Red Road, NW 42nd Avenue/LeJeune Road, and NW 27th Avenue.
6075	MDX105	MDX State Road 836 Southwest Extension	NW 137th Avenue	SW 136th Street.	Extend SR 836/Dolphin Expressway.
6076	MDX106	MDX State Road 874 Ramp Connector	Southern terminus of SR 874/Don Shula Expressway	SW 127th Avenue	New ramp connection from the existing southern terminus of SR 874/Don Shula Expressway to SW 127th Avenue.
6077	MDX107	MDX State Road 874 Sunset Interchange Preliminary Evaluation	at SW 72nd Street to access SR 874.		New partial interchange at SW 72nd Street to access SR 874.
6078	MDX108	MDX State Road 924 East Extension	NW 32nd Avenue	I-95	Direct connection from I-95 to SR 924/Gratigny Parkway.

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6079	MDX109	MDX State Road 924 West Extension	SR 826/I-75	HEFT	Direct connection between the HEFT, I-75, SR 924/Gratigny Parkway, and SR 826/Palmetto Expressway.
6091	PW105	NE 159th St	NE 6th Ave	West Dixie Highway	2 to 4 lanes
6092	PW106	NE 167th/163rd St	NE 6th Ave	US-1	Add 1 reversible lane
6026	SIS113	NW 25th St	NW 89th Ct	SR 826	Add lanes and reconstruct 4-6. (Phase 2 Complete construction of Viaduct and at grade road widening from SR 826 to NW 87th Ct.)
6102	PW116	NW 36th St/41st St	NW42nd Ave	HEFT	Express Street (ITS, Grade Separations, Etc.)
6103	PW117	NW 47th Ave	SR 826	Broward County line	Major capital improvement
6106	PW120	NW 87 Ave	NW 36th St	NW 58th St	4- to 6-lanes
6143	PW166	NW 87th Ave	NW 197th St	Broward County Line	New 2-lane
6108	PW122	NW 87th Ave Extension	NW 58th St	NW 95th St	Extend to connect the freight hubs of Doral and Medley
6093	PW107	NW 107th Ave	1000ft N of NW 122nd St	Okeechobee Rd	Widen bridge over Miami Canal
6094	PW108	NW 107th Ave	NW 41st St	NW 25th St	4- to 6-lanes
6095	PW109	NW 107th Ave	NW 138th St	NW 170th St	4-lane divided roadway
6096	PW110	NW 107th Ave	NW 170th St	Broward County line	Extend NW 107th Ave to the County Line
6034	FDOT109	NW 138th St	NW 57th Ave	NW 67th Ave	Add 2-lanes (3 to 5) with center turn lane
6099	PW113	NW 154th St	NW 87th Ave	NW 107th Ave	New 2-lane
6162	H100	NW 170th St	HEFT	NW 97th Ave	6-lane divided roadway
6163	H101	NW 186th St	NW 97th Ave	I-75	4-lane divided roadway
6100	PW114	NW 215th/203rd Elevated Expressway	Turnpike	MacArthur Causeway	Elevated east/west expressway
6047	FDOT126	SR 9A/I-95 PD&E	South of SR 836/I-395	Broward County Line	Capacity Improvement
6011	SIS116	SR 25/Okeechobee Rd	SR 826	Krome Ave	Ultimate improvement (Expressway Conversion - Construct Grade Separated Overpasses at Major Intersections)
6037	FDOT114	SR 823/NW 57th Ave	W 65th St	W 84th St	Add 2-lanes to existing 4-lanes
6039	FDOT116	SR 823/NW 57th Ave	W 53rd St	W 65th St	Add 2-lanes to existing 4-lanes
6013	SIS119	SR 826	NW 103rd St	NW 154 St	Ultimate improvement
6014	SIS120	SR 826	SR 826 (EB)	1-95 (NB)	Add 2 Special Use Lanes
6015	SIS121	SR 826	NW 154th St	NW 17 AVE	Managed Lanes (Add 4 Special Use Lanes)
6041	FDOT120	SR 826 (EB) to NW 167th St			Operational improvement within the Golden Glades Interchange

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6042	FDOT121	SR 826 (EB) to Turnpike (NB)			Operational improvement within the Golden Glades Interchange
6043	FDOT122	SR 826 (NB)	Okeechobee Rd	NW 103rd St	Capacity Improvements (1 aux. lane)
6044	FDOT123	SR 826 (WB)	NW 47th Ave	NW 67th Ave	Capacity Improvements (1 aux. lane)
6046	FDOT125	SR 826 at 67th Ave			Interchange Improvements - reconstruct as SPUI interchange
6080	MDX110	SR 836	HEFT	SR 826/836 Interchange	Managed Lanes
6160	CoM105	SR 934/NW 79th St/NW 81st St/NW 82nd St	NW 13th Ave	Biscayne Bay	Capacity Improvements
6018a	SIS125	SR997/KROME Ave	MP 10.935 (NW154 ST)	MP 14.184/Okeechobee Rd	Add 2 Lanes to build 4 Lanes
6018b	SIS126	SR997/KROME Ave	MP 2.754 (NW25 ST)	MP 5.122 (NW62 ST)	Add 2 Lanes to build 4 Lanes
6018c	SIS127	SR997/KROME Ave	MP 5.122 (NW62 ST)	MP 8.151 (NW114 ST)	Add 2 Lanes to build 4 Lanes
6018d	SIS128	SR997/KROME Ave	MP 8.151 (NW114 ST)	MP 10.935 (NW154 ST)	Add 2 Lanes to build 4 Lanes
6020	SIS130	SR997/KROME Ave	SR 5/US-1	Lucy Street	Add 2 Lanes to build 4 Lanes
6140	PW151	SW 8th St/SW 87th Ave & SW 8th St/SW 107th Ave			Grade Separations at SW 8th St/SW 87th Ave, SW 8th St/SW 107th Ave
6128	PW140	SW 16th St	SW 82nd Ave	SW 71st Ave	Overpass across SR 826
6131	PW143	SW 24th St	SW 107th Ave	SW 87th Ave	4- to 6-lanes
6132	PW144	SW 24th St	SW 117th Ave	SW 107th Ave	4- to 6-lanes
6135	PW146	SW 40th St	SW 157th Ave	SW 167th Ave	New 2-lane
6137	PW148	SW 47th/48th St	SW 112th Ave	SW 122nd Ave	Overpass across HEFT
6138	PW149	SW 72nd St	SW 117th Ave	SW 157th Ave	4- to 6-lanes
6139	PW150	SW 80th St	SW 72nd Ave	US 1/S Dixie	2- to 5-lanes
6049	FDOT128	SW 107 Ave	SW 8th St	Flagler St	4 to 6 lanes
6124	PW136	SW 152nd Ave	US 1	SW 312th St	2- to 4-lanes
6050	FDOT129	SW 152nd St/Coral Reef/SR 992	HEFT	US 1	4 to 6 lanes
6129	PW141	SW 184th St	SW 157th Ave	SW 147th Ave	2- to 4-lanes
6130	PW142	SW 200th St	US 1	Quail Roost Drive	2- to 4-lanes
6055	TP101	Turnpike Mainline (S.R. 91)	Golden Glades	Tpk Homestead Ext.	Widen to 8 lanes (divided)
6054	TP100	Turnpike (S.R. 821)	Campbell Dr	Biscayne Dr	Widen to 6 lanes (divided). Express lanes will be included for portions of project length.
6056	TP102	Turnpike (S.R. 821)	Speedway Blvd	SW 216th St	Widen to 8 lanes (divided). Express lanes will be included for portions of project length.
6057	TP103	Turnpike (S.R. 821)	Kendall Dr	Bird Rd	Widen to 12 lanes (divided)

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6058	TP104	Turnpike (S.R. 821)	NW 106th St	I-75	Widen to 10 lanes (divided). Express lanes will be included for portions of project length.
6059	TP105	Turnpike (S.R. 821)	I-75	NW 57th/Red Road	Widen to 6 lanes (divided)
6060	TP106	Turnpike (S.R. 821)	Biscayne Dr	Speedway Blvd	Widen to 8 lanes (divided). Needed by 2040. Express lanes
6061	TP107	Turnpike (S.R. 821)	S.R. 874	Killian Pkwy	Widen to 10 lanes (divided)
6062	TP108	Turnpike (S.R. 821)	Bird Rd	SW 8th St	Widen to 14 lanes (divided)
6063	TP109	Turnpike (S.R. 821)	NW 12th St	NW 74th St	Widen to 12 lanes (divided)
6064	TP110	Turnpike (S.R. 821)	I-75		Expansion to Add ramps To/From North
6065	TP111	Turnpike (S.R. 821)	NW 170th St		New Full Interchange
6066	TP112	Turnpike (S.R. 821)	Lucy St		New Half Interchange (to/from north)
6069	TP115	Turnpike (S.R. 821)	NW 74th St	34 / NW 106th St	Widen to 10 lanes (divided). Express lanes will be included for portions of project length.
6051	FDOT130	US 1	at SW 344th St		Grade Separated Overpass
6082	MDX116	US 1	Dadeland South	I-95	Corridor improvements and managed lanes
6084	MDX119	US-1 Managed Lanes	SW 344 Street	Dadeland South Metrorail station	Use of the existing busway from Florida City to the Dadeland South Metrorail Station to mitigate the growing traffic demands along the US-1 corridor.

MIAMI-DADE PROJECTS -- TRANSIT					
6228	MDT150	79th St Causeway (JFK Cwy)	NE 10th Ave	Collins Ave	Improve/implement transit service
6225	MDT135	Baylink	Downtown Miami	Miami Beach	Premium transit service connecting Downtown Miami and Miami Beach
6201	MDT108	Busway Park-and-Ride Lot	at SW 344th Street		Park-and-Ride
6202	MDT109	Busway Park-and-Ride Lot	at SW 312th Street		Park-and-Ride
6203	MDT110	Busway Park-and-Ride Lot	at SW 200th Street		Park-and-Ride
6204	MDT111	Busway Park-and-Ride Lot	at SW 184th Street		Park-and-Ride
6205	MDT112	Busway Park-and-Ride Lot	at SW 136th Street		Park-and-Ride
6206	MDT113	Busway Park-and-Ride Lot	at SW 124th Street		Park-and-Ride
6207	MDT114	Busway Park-and-Ride Lot	at SW 104th Street		Park-and-Ride
6196	MDT103	Dolphin Station (HEFT at NW 12th Street)			Transit Hub with a park-and-ride facility. This transit hub would support the SR 836 Express Enhanced Bus Service.
6229	MDT151	Douglas Rd	US 1	MIC	Premium transit service

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6195	MDT102	Downtown Intermodal Terminal			Multimodal, Intermodal terminal to also accommodate the (FEC) terminal. Consolidate the existing Downtown Miami bus terminal with new intermodal facility to feature 22 bus bays, layover bays, internal bus circulation areas, kiss -and-ride, bus stops, and boarding areas.
6222	MDT131	East-West Corridor (Flagler Enhanced Bus)	Downtown Miami	West Miami-Dade County	Incremental improvements Using 10 new 60-foot diesel/electric hybrid, clean diesel, compressed natural gas, or other alternative fuel buses. This route will also serve a proposed park-and-ride/bus terminal station at SW 8th Street and SW 147th Avenue.
6221	MDT130	East-West Corridor (SR-836 Express Enhanced Bus)	SW 8th Street/SW 147th Avenue	MIC	Incremental improvements Using 11 new 60-foot articulated diesel/electric hybrid, clean diesel, compressed natural gas or other alternative fuel buses, transit signal priority, robust stations, WiFi, real-time "Where is the Bus?" information, branding of buses and stations, and an end-of-the-line park-and-ride/bus terminal station at SW 8th Street and SW 147th Avenue.
6181	SFRTA101	Fast Start Plan			
6182	SFRTA102	FEC Corridor	Downtown Miami	Broward County Line	Passenger rail on the FEC corridor
6183	SFRTA103	FEC Corridor East-West Connection	South Florida Rail Corridor	FEC Mainline	New east-west rail connection in the vicinity of 71st Street
6184	SFRTA104	FEC Jupiter EIS/New Starts			
6185	SFRTA105	FEC South Spur/Ludlam Trail Premium Transit	Miami Intermodal Center	Dadeland North Area	Premium transit service and non-motorized facility
6212	MDT119	FPL Lot	SW 127th Avenue and SW 88th Street		Park-and-Ride
6186	SFRTA106	Golden Glades Multimodal Facility Upgrade			Facility upgrade with pedestrian amenities, additional parking, and new intermodal center

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6198	MDT105	Golden Glades Multimodal Terminal			Improvements to the existing park-and-ride. Phase 1: new transit platforms with canopy, new intercity bus platform with canopy, "Hub" facility containing stairs, elevators, enclosed waiting area, restrooms, and enclosed operational spaces with canopies, new pedestrian bridge leading to existing pedestrian bridge serving Tri-Rail and roadway improvements. Phase 2 construction of a parking garage to accommodate 1,300 vehicles. 16 bus bays for MDT and BCT buses (9 bus bays are needed in for Phase 1 and 11 bus bays are needed for Phase 2).
6213	MDT120	I-75 Park-and-Ride Lot (FDOT Study)	I-75 and Miami Gardens Drive Interchange		Park-and-Ride
6230	MDT153	I-75/Gratigny	County Line Rd.	Miami-Dade College North Campus	Improve/implement transit service
6187	SFRTA108	Kendall Area LRT	Metrozoo Area	Dadeland North	New premium transit service
6224	MDT133	Kendall Corridor (Kendall Enhanced Bus)	West Kendall Transit Terminal at Kendall Town Center (Kendall Drive and SW 162nd Avenue)	Dadeland North Metrorail Station	Features robust stations, queue jump lanes, transit signal priority, and real-time "Next Bus" arrival information via electronic signs.
6211	MDT118	Kendall Drive and SW 150th Avenue (purchase)	SW 150th Avenue and SW 88th Street		Park-and-Ride
6208	MDT115	Kendall South/Zoo Miami	Zoo Miami Park		Park-and-Ride
6209	MDT116	Kendall-Tamiami Executive Airport Park-and-Ride	SW 137th Avenue and SW 120th Street		Park-and-Ride
6218	MDT127	Little River Park-and Ride	Biscayne Boulevard and NE 79th Street		Park-and-Ride
6154	CoM102	Marlins Stadium Premium Transit Connection	Metrorail/Metromover	Marlins Stadium	Premium rail transit connection from existing Metrorail/Metromover to the Marlins Stadium at the former Orange Bowl stadium site
6155	CoM103	Metromover Brickell Loop Extension			Extension of Metromover service in the Brickell area
6173	MB105	Miami Beach Intermodal Center	63rd St/Collins	87th St/West Bay Drive	New North Beach bus transfer station
6188	SFRTA109	Miami Extension Evaluation			
6156	CoM101	Miami Streetcar	Miami Design District	Downtown Miami	LRT from the Design District to Downtown Miami

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6200	MDT107	NE 151st Street and Biscayne Boulevard			Southeast corner of NE 151st Street and Biscayne Boulevard identified for strategic location for a Transit Terminal Facility. Incremental improvements along the Biscayne Boulevard. Strategic Park-and-Ride/Transit Terminal Facility features 6 bus bays and 2 layover bays.
6231	MDT154	NE 163rd St (Sunny Isles Blvd) / 167th St	Golden Glades Interchange	Collins Ave	Improve/implement transit service
6190	SFRTA111	New Tri-Rail Station in northern Miami-Dade	Between Golden Glades Tri-Rail Station and County Line Rd		New Tri-Rail station in the vicinity of Ives Dairy Rd
6220	MDT129	North Corridor (NW 27th Avenue Enhanced Bus)	MIC	NW 215 ST	Incremental improvements Phase II is expected to be complete in 2017. This phase consists of service with 10 minute peak/20 minute mid-day headways using 11 new 60-foot articulated diesel/electric hybrid, clean diesel, compressed natural gas, or other alternative fuel buses, transit signal priority, robust stations, WiFi, real-time "Where is the Bus?" information, branding of buses and stations and an end-of-the-line park-and-ride/bus terminal station at NW 27th Avenue and NW 215th Street.
6223	MDT132	Northeast Corridor (Biscayne Enhanced Bus)	Downtown Miami	Aventura Mall	Incremental improvements. Using 11 new 60-foot diesel/electric hybrid, clean diesel, compressed natural gas, or other alternative fuel buses. Feature robust stations, WiFi, real-time "Where is the Bus?" arrival times via the internet or on web-enabled mobile devices, real-time "Next Bus" arrival information via electronic signs, transit signal priority and park-and-rides
6214	MDT121	Palmetto Intermodal Terminal	Palmetto Expressway and NW 74th Street		Park-and-Ride
6199	MDT106	Palmetto Intermodal Terminal			Acquiring an 11.88-acre parcel south of the Palmetto Metrorail Station to construct Palmetto Station Intermodal Terminal to include: long-term parking, short-term parking, kiss-and-ride, pool-and-ride and a minimum of 6 bus bays and 2 layover bays.
6217	MDT125	Park-and-Ride/Transit Terminal Facility at Dolphin Station	HEFT at NW 12th Street		Park-and-Ride

MODEL NETWORK PROJECTS -- REGIONAL NEEDS

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6219	MDT128	Park-and-Ride/Transit Terminal Facility at NW 27th Avenue and NW 215th Street	NW 27th Avenue and NW 215th Street		Park-and-Ride
6191	SFRTA112	Parking Expansion at Opa-Locka Station	Opa-Locka Tri-Rail Station		Opa-Locka Tri-Rail Station Parking Improvements
6215	MDT122	Senator Villas	Between SW 89th Avenue and SW 89th Court at SW 40th Street		Park-and-Ride
6177	MB106	South Beach Bus Transfer Station	TBD	TBD	New South Beach bus transfer station
6232	MDT155	SR-821	SW 88th St	FIU (SW 8th St)	Premium Transit Service
6233	MDT156	SR-821	US-1 (South Dixie Highway)	SW 88th St	Improve/implement transit service
6210	MDT117	SR 874 Ramp Connector Park-and-Ride	SW 122 Avenue and SW 128 Street		Park-and-Ride
6236	MDT159	SW 88th St	SW 157th Ave	US-1 (Dadeland North)	Premium transit service
6237	MDT160	SW 88th St / HEFT			Multimodal Terminal
6197	MDT104	SW 147th Avenue and SW 8th Street			Strategic park-and-ride location for the SR-836 Express Enhanced Bus Service project. Up to 500 parking spaces. Provide strategic transit-oriented development (TOD) opportunities. 8 bus bays that can accommodate articulated buses and a layover area.
6125	PW137	SW 152nd St BRT	SW 137th Ave	US-1 Busway	1 Dedicated transit lane - BRT service
6234	MDT157	SW 200th Street / US-1 (South Dixie Highway)			Multimodal Terminal
6235	MDT158	SW 200th Street SW 137th Ave	US-1 (South Dixie Highway) SW 200th St	SW 137th Ave SR 836	Improve/implement transit service
6227	MDT152	SW Ludlam Rd/SW 8th St/42nd Ave	SW 88th St. (Kendall Dr.)/SW Ludlam Rd/SW 8th St	SW 8th St/SW 42nd Ave/MIC	Improve/implement transit service
6216	MDT123	Tamiami Park-and-Ride at Coral Way	SW 107th Avenue and SW 24th Street		Park-and-Ride
6238	MDT161	US-1	SW 104th St	Florida City	Metrorail Extension
6239	MDT162	US-1 (Busway)	SW 88th St	Florida City	Additional Park-and-Ride lots at selected locations
6241	MDT164	US-1 (Busway)	SW 88th St	Florida City	Grade separations at selected intersections
6242	MDT165	US-1 (South Dixie Highway)	SW 88th St	SW 104th St	Metrorail extension to SW 104th St

Attachment B Model Network Projects – Regional Cost Feasible

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
PALM BEACH PROJECTS -- ROADWAY					
13019	H-34	45th St	Haverhill Rd	W of Military Tr	Widen from 4 to 6 lanes
13018	H-35	45th St	I-95	Congress Ave	Widen from 6 to 8 lanes
13020	H-31	60th St	Seminole Pratt Whitney Rd	140th Ave N	Construct 2 lane facility
13005	H-62	Atlantic Ave	SR 7	W of Lyons Rd	Widen from 2 to 4 lanes
13021	H-63	Atlantic Ave/SR 806	Lyons Rd	Jog Rd	Widen from 4 to 6 lanes
13022	H-75	Avenue E Extension	US 27 Connector	SR 715	Construct 2 lane facility
13023	H-71	Boca Rio Rd	Palmetto Park Rd	Glades Rd	Widen from 2 to 4 lanes
13024	H-77	Boutwell Rd	Lake Worth	10th Ave N	Widen from 2 to 3 lanes
13058	H-61	Flavor Pict Rd	Lyons Rd	Hagen Ranch Rd	Construct 2 lane facility
13008	H-73	Hooker Hwy	SR 715	US 441	Widen from 2 to 4 lanes
13026	H-25	I-95	@ Blue Heron Blvd		Interchange improvement
13030	H-42	I-95	@ Palm Beach Lakes Blvd		Interchange Improvement
13028	H-46	I-95	@ SR 80		Interchange Improvement
13031	H-48	I-95	@ 10th Ave N		Interchange Improvement
13032	H-52	I-95	@ 6th Ave S		Interchange Improvement
13034	H-54	I-95	@ Lantana Rd		Interchange Improvement
13033	H-56	I-95	@ Hypoluxo Rd		Interchange Improvement
13027	H-57	I-95	@ Gateway Blvd		Interchange Improvement
13029	H-58	I-95	@ Boynton Beach Blvd		Interchange Improvement
13059	H-67	I-95	Broward/PBC Line	Linton Blvd	Construct managed lanes facility
13025	H-9	I-95	@ Donald Ross Rd		Interchange improvement
	H-65	I-95	@ Linton Blvd		Interchange improvement
	H-69	I-95	@ Spanish River Blvd		New interchange
13003	H-14	I-95 Interchange	@ Central Blvd		New interchange
13004	H-4	I-95/SR 9	Linton Blvd.	Indiantown Rd	Add managed lanes
13036	H-2	Indiantown Rd	Pratt-Whitney Rd	131st Trail N	Widen from 2 to 4 lanes
13035	H-3	Indiantown Rd	Jupiter Farms Rd	W of Florida's Turnpike	Widen from 4 to 6 lanes
13037	H-7	Island Way Southern Ext.	Indiantown Rd	Central Blvd	Construct 2 lane facility
13009	H-53	Lantana Rd	Lyons Rd	Hagen Ranch Rd	Widen from 4 to 6 lanes
13038	H-49	Lyons Rd	Lantana Rd	Lake Worth Rd	Widen from 2 to 4 lanes
13007	H-47	Lyons Rd	Lake Worth Rd	Stribling Way	Construct 2 lane facility
13040	H-40	Okeechobee Blvd	Seminole Pratt-Whitney Rd	West of Crestwood Blvd	Widen from 2 to 4 lanes

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
13039	H-41	Okeechobee Blvd	Crestwood Blvd	W of Royal Palm Beach Blvd	Widen from 4 to 6 lanes
13010	H-39	Okeechobee Blvd Extension	SR 80/CR880 Intersection	Seminole Pratt Whitney Rd	Construct 2 lane facility
13041	H-22	Park Ave Extension	Old Dixie Highway	Congress Avenue	Construct 2 lane facility
13057	H-32	Persimmon Blvd	Seminole Pratt Whitney Rd	140th Ave N	Construct 4 lane facility
13011	H-13	PGA Blvd	SR 710/Beeline Hwy	Ryder Cup Blvd	Widen from 2 to 4 lanes
13042	H-50	Polo Road	Lake Worth Rd	Lyons Rd	Construct 2 lane facility
13043	H-70	Potomac Rd	E-3 Canal	Military Tr	Widen from 2 to 4 lanes
13012	H-10	Seminole Pratt Whitney Rd	N of Northlake Blvd	SR-710/Beeline Hwy	Construct 2 lane facility
13045	H-30	Seminole Pratt-Whitney Rd	Persimmon Blvd	60th St	Widen from 2 to 4 lanes
13046	H-24	Silver Beach Rd	Old Dixie Hwy	US 1	Widen from 2 to 3 lanes
13047	H-44	Southern Blvd/SR 80	W of Lion Country Safari	Crestwood/Forest Hill Blvd	Widen from 4 to 6 lanes
13013	H-43	SR 7	Okeechobee Blvd	Belvedere Rd	Widen from 6 to 8 lanes
13061	H-1	SR 710	W of Indiantown Rd	W of Pratt Whitney Rd	Widen from 2 to 4 lanes
13062	H-29	SR 710	W of Congress Ave	W of Australian Ave	Widen from 2 to 4 lanes
13048	H-29	SR 710	Australian Ave	Old Dixie Hwy	Widen from 2 to 4 lanes
13060	H-6	SR 710	Martin/PBC Line	W of Indiantown Rd	Widen from 2 to 4 lanes
	H-15	SR 710	PGA Blvd	Northlake Blvd	Widen from 4 to 6 lanes
13051	H-74	SR 715	S Main St	Hooker Hwy	Widen from 2 to 4 lanes
13002	H-11	SR-710/Beeline Hwy	W of Seminole Pratt Whitney Rd	PGA Blvd.	Widen from 4 to 6 lanes
13001	H-20	SR-710/Beeline Hwy	Northlake Blvd	Blue Heron Blvd.	Widen from 4 to 6 lanes
13052	H-55	Turnpike	@ Hypoluxo Rd		New interchange
13053	H-27	Turnpike Mainline	Okeechobee Blvd/Jog Rd (Mile Post 109)	PGA Blvd (Mile Post 109)	Widen from 4 to 6 lanes
13054	H-45	Turnpike Mainline	Boynton Bch Blvd (Mile Post 86)	Okeechobee Blvd/Jog Rd (Mile Post 86)	Widen from 4 to 6 lanes
13055	H-59	Turnpike Mainline	Broward/PBC Line (Mile Post 73)	Boynton Bch Blvd (Mile Post 86)	Widen from 6 to 8 lanes
13056	H-76	US 27 Connector	SR 80/US 27	SR 715	Construct 2 lane facility
PALM BEACH PROJECTS -- TRANSIT					
	T-27	Boca Intermodal Center	At Tri-Rail Station near Glades Rd	Boca Raton	Proposed passenger intermodal center
	T-25	Express Bus via Glades Rd	SR 7	US 1	New express bus service
	T-1	Express Bus via I-95	Indiantown Rd	WPB Intermodal Center	New express bus service
	T-17	Express Bus via Military Tr	Boca Intermodal Center	WPB Intermodal Center	New express bus service
	T-9	Express Bus via Persimmon Blvd /SR 7/O	SPW/Persimmon Blvd	WPB Intermodal Center	New express bus service
	T-6	Express Bus via SPW Rd/Northlake Blvd/	SPW/Persimmon Blvd	Palm Beach Gardens Station	New express bus service
	T-21	Express Bus via SR 7	Broward Co	Mall at Wellington Green	New express bus service

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
	T-22	Express Bus via SR 7/Lake Worth Rd go	Mall at Wellington Green	US 1 in Lake Worth	New express bus service
	T-14	Express Bus via SR 7/Okeechobee Blvd	Mall at Wellington Green	WPB Intermodal Center	New express bus service
	T-18	Express Bus via SR 80/ Australian Ave	Glades Area Intermodal Center	WPB Intermodal Center	New express bus service
	T-5	Express Bus via Turnpike	Broward Co	Palm Beach Gardens	New express bus service
	T-19	Express Bus via US 1	Camino Real Rd	WPB Intermodal Center	New express bus service
	T-28	Glades Area Intermodal Center	@SR80/US441/Hooker Hwy/Main	Belle Glade	Proposed passenger intermodal center
	T-12	Palm Tran North Bus Facilities Expansion	Electronics Way	South of 36th St	Design and construction to accommodate expansion
13016	T-3	Tri-Rail Extension - New Service	West Palm Beach Station	New Jupiter Station	New Service to Jupiter on FEC corridor via Northwood Crossover with Preliminary Estimated 3 station locations noted below:
	T-2	Tri-Rail Jupiter Station	Toney Penna Dr	Jupiter	Tri-Rail Coastal Link station on FEC corridor
	T-4	Tri-Rail Palm Beach Gardens Station	PGA Blvd	Palm Beach Gardens	Tri-Rail Coastal Link station on FEC corridor
	T-11	Tri-Rail 45th St/St. Mary's Station	45th St	West Palm Beach	Tri-Rail Coastal Link station on FEC corridor
	T-8	Tri-Rail Extension - New Service	Mangonia Park	Blue Heron	Extend existing service on CSX corridor. Includes new station noted below:
	T-7	Tri-Rail Blue Heron (VA Hospital) Station	at VA Hospital		New Tri-Rail Station (VA Hosp. Extension)
	T-20	Tri-Rail Palm Beach Int'l Airport Station	at Southern Blvd.		New Tri-Rail Station
	T-24	Tri-Rail Park & Ride Expansion	Yamato Rd	Boca Raton	New parking garage (420 spaces)
	T-10	Tri-Rail Park & Ride Expansion	45th Street	Mangonia Park	New parking garage (300 spaces) and improved bus circulation
	T15	Tri-Rail Park & Ride Expansion	WPB Intermodal Center	West Palm Beach	New parking garage (450 spaces)
BROWARD PROJECTS -- ROADWAY					
	10	Griffin Road	I-75	Flamingo	Add 2 lanes (from 4 to 6)
	11	NE 3rd Avenue	Sample	Copas	Reconstruct roadway with multimodal
	37	NE 3rd Avenue / SW 11th Way	Sample	SW 10th	Add 2 lanes (from 2 to 4)
	12	NE 6th Avenue	Prospect	Commercial	Reconstruct roadway with multimodal
	2	NW 21st Avenue	SR 816/Oakland Park	SR 870/Commercial	Reconstruct roadway with multimodal
	21	NW 136th Avenue	I-595	NW 2nd	Add turn lanes
	19	Pembroke Road	184th	160th	Add 2 lanes (from 2 to 4)
	25	Pembroke Road	200th	184th	Construct new 4 lane roadway
	34	Pembroke Road	Douglas	University	Add 2 lanes (from 4 to 6)
	36	Pembroke Road	SR 7/US 441	Florida Turnpike	Restripe to 6 lanes
	31	SE 2nd Street	US 1	Layne	Construct new 2 lane roadway
	35	SE 9th Street	FEC	SE 9th Street	Upgrade railroad crossing

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
	17	SR 817/University	Sawgrass Expressway	NW 40th (Cardinal)	Add 2 lanes (from 4 to 6)
	27	SR 817/University	Holmberg	County Line Road	Add 2 lanes (from 2 to 4)
	20	SR A1A	Hallandale Beach	Hollywood	Reconstruct roadway
	28	SW 148th Avenue	Bass Creek	Miramar	Add 2 lanes (from 2 to 4)
	30	SW 184th Avenue	Sheridan	Griffin	Construct new 4 lane roadway
	22	SW 188th Avenue	Sheridan	SW 63rd	Add 2 lanes (from 4 to 6)
	32	SW 196th Avenue	Miramar	Pines	Add 2 lanes (from 2 to 4)
	24	Wiles Road	Sawgrass Expressway	Coral Ridge	Reconstruct roadway
BROWARD PROJECTS -- TRANSIT					
	5	SR 5/US 1	Aventura Mall	Downtown Terminal	Corridor upgrades to support enhanced bus service
	29	SR 7/US 441	Golden Glades	Sample	Corridor upgrades to support enhanced bus service
	7	SR 816/Oakland Park	Sawgrass Mills Mall	SR A1A	Corridor upgrades to support enhanced bus service
	18	SR 817/University	Golden Glades	Just north of Sample Rd	Upgrade corridor to support enhanced bus service
	8	SR 820/Hollywood/Pines	US 27	SR A1A	Corridor upgrades to support enhanced bus service
	9	SR 834/Sample	Sawgrass Express	SR A1A	Corridor upgrades to support enhanced bus service
	23	SR 838/Sunrise	Sawgrass Mills Mall	SR A1A	Corridor upgrades to support enhanced bus service
	4	SR 842/Broward	Sawgrass Mills Mall	SR 817/University Drive	Corridor upgrades to support enhanced bus service
	1	Wave Streetcar	SE 17th to SE 7th and NW 4th to NE 6th (Phase 1B)		SE 17th to SE 7th and Andrews at NW 4th to NE 6th. Construct new streetcar route
MIAMI-DADE PROJECTS -- ROADWAY					
11023	FDOT250	826 / Okeechobee Interchange (Ramps A, B and C)			SR 826 northbound to westbound Okeechobee Road (Ramp A) SR 826 northbound to eastbound Okeechobee Road (Ramp B) Okeechobee Road eastbound to southbound SR 826 (Ramp C) Additional westbound aux lane along Okeechobee Road between W 18 Ave and W 16 Ave
11081	SIS155	Golden Glades Interchange: SR 9A/I-95-Phase 3	Biscayne River Canal	SR 860/Miami Gardens Dr	I-95 NB widening to provide auxiliary lanes from Biscayne River Canal to Miami Gardens Dr.
11082	SIS156	Golden Glades Interchange: Turnpike (Mainline) SB - Phase 4	SR 9A/I-95 SB Express Lane Flyover (TPK Connector)		Direct express lane flyover connection ramp (New CST) from Florida's Turnpike SB to I-95 Express SB express lanes.

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
11092	SIS158	Golden Glades Interchange: SR-826 (Palmetto) - Phase 6	I-95 (New Express Lane Ramps)		New express lanes ramps connection between SR 826 (MP 23.23) and I-95 Express lanes (MP13.63) to and from the North
11093	SIS159	Golden Glades Interchange: Ramp Reconstruction - Phase 7	NB SR7 and SB SR91	NW 167th ST and SB I-95	Modify Interchange: GGI ramps reconstruction- SR7/US441 NB reconstruction and realignment (including connecting ramps) SR-9 realignment and SR-826 connector widening.
11004	CoM113	I-195 ramps in Midtown	@ N 36 & N 38 Street		Ramp reconstruction/reconfiguration. Alternatives Analysis of ramps leading to N 36 and N 38 Streets
11034	H106	I-75 and NW 87th Ave/W 28th Ave off ramp			Construct an off ramp from EB I-75 to SB W 28th Ave/NW 87th Ave
11074	SIS107	I-75 Ultimate Improvement	SR 826	NW 170 ST	Ultimate improvement
11002	CoM111	I-95	@ S Miami Ave		Ramp reconstruction/reconfiguration. Alternatives Analysis I-95 Ramps in downtown (S Miami Avenue)
11003	CoM112	I-95	@ E 2nd Ave		Ramp reconstruction/reconfiguration. Alternatives Analysis for the I-95 ramps leading in to downtown (E 2nd Avenue)
11047	PW104	NE 151st St	NE 10th Ave	West Dixie Highway	2 to 4 lanes
11048	PW105	NE 159th St	NE 6th Ave	West Dixie Highway	2 to 4 lanes
11037	HS102	North Canal Dr	SW 162nd Ave	SW 152nd Ave	2- to 4-lanes divided roadway with left turn lanes
11026	FP1028	NW 12th Street	NW 107th Avenue	SR 826	Widen from 4 lanes to 6 lanes, improve signal coordination
11071	PW184	NW 14th St.	Civic Center	US-1 (Biscayne)	Widen to 3 lanes and resurface
11027	FP1031	NW 17th Avenue	North River Dr	SR-836 (Dolphi)	Use low speed limit. Improve pavement conditions
11028	FP1033	NW 21st Street & Perimeter Road	NW 42nd Ave (Le Jeune)	NW 15th Street	Use low advisory speeds
11022	FDOT201	NW 25th St	SR-821 (HEFT)	NW 87th Ave	Widen from 4 to 6 lanes
11044	NP105	NW 36th St across NW 72nd Ave Grade Separation	NW 72nd Ave		Provide continuous flow intersection (grade Separation) on NW 36th St over NW 72 Ave.
11024	FP1022	NW 72nd Ave (Milam Dairy)	Hialeah Expressway	0	Restripe lane configuration for better alignment. Improve pavement conditions. NB inside lane becomes left turn only at Hialeah Expressway, move advance signage further upstream.
11076	SIS114	NW 74th St	SR-826 (Palmetto)	FEC Intermodal Yard	Modify Connector
11051	PW119	NW 82nd Ave	NW 8th St	NW 12th St	New 4-lane

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
11015	D166	NW 87th Ave	NW 197th St	Broward County Line	New 2 Lane
11008	D123	NW 90th St	NW 107th Ave	NW 87th Ave	New 4-lane
11009	D124	NW 97th Ave	NW 154th St	NW 186th St	4-lane divided roadway
11010	D125	NW 97th Ave	NW 74th St	NW 90th St	New 4-lane
11029	FP1057	NW 97th Ave	NW 58th Street	NW 52nd Street	Widen from 2 to 4 lanes
11005	D109	NW 107th Ave	NW 138th St	NW 170th St	4-lane divided roadway
11006	D111	NW 107th Ave	NW 90th St	NW 106th St	Widen to 4-lanes
11025	FP1024	NW 107th Ave	NW 12th St	NW 74th Street	Enhance intersection stacking, turning radii, signal optimization/ coordination, left-turn bay lengths, study the possibility of median opening closures within 1,000 feet of mayor intersection. Widen from 4 lanes to 6 lanes where feasible
11049	PW108	NW 107th Ave	NW 41st St	NW 25th St	4- to 6-lanes
11050	PW110	NW 107th Ave	NW 170th St	Broward County line	Extend NW 107th Ave to the County Line
11021	FDOT200	NW 117th Ave	NW 25th St	NW 41st St	Direct connection from NW 25th St using NW 117th Ave, bridge crossing over NW 41st St intersection and connect to the HEFT mainline, north of NW 41st St interchange. NW 117th Ave will be modified from 2-lane 2-way to 1-lane 1-way northbound from BW 34th St to the north.
11016	FDOT117	NW 122nd Ave	NW 12th St	NW 31st St	New 2 lane road connecting NW 12th St and NW 31st St to support the flow of truck traffic from HEFT. Left turn lanes into
11007	D113	NW 154th St	NW 87th Ave	NW 107th Ave	New 2-lane
11031	H100	NW 170th St	SR-821 (HEFT)	NW 97th Ave	6-lane divided roadway
11033	H101	NW 186th St	NW 97th Ave	I-75	4-lane divided roadway
11052	PW126	Perimeter Rd	NW 20th St	NW 57th Ave	Widen from 2- to 4-lanes
11040	MDT252	Ramps between the Busway and Palmetto Expressway	South Dade Busway to SR-826 (Palmetto)	SR-826 (Palmetto) to South Dade Busway	Construct ramps connecting the Busway to the Palmetto Expressway
11084	TP102	SR-821 (HEFT)	SW 137th Ave	SW 216th St	Widen to 8 Lanes. Needs by 2030. Express lanes will be included for portions of project length.
11085	TP105	SR-821 (HEFT)	I-75	NW 57th/Red Road	Widen to 8 Lanes. Needed by 2035
11086	TP106	SR-821 (HEFT)	US-1 (Biscayne)	SW 137th Ave (Speedway)	Widen to 8 Lanes. Needed by 2040. Express lanes will be included for portions of project length.
11087	TP111	SR-821 (HEFT)	NW 170th St		New Full Interchange

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
11088	TP112	SR-821 (HEFT)	SW 328th St (Lucy)		New Half Interchange (to/from north)
11090	TP114	SR-821 (HEFT)	NW 57th Ave (Red)	Turnpike (Mainline)	Widen to 8-lanes by 2040.
11091	TP107	SR-821 (HEFT)	SR-874	Killian Pkwy	Widen to 10 Lanes. Needed by 2040
11094	TP115	SR-821 (HEFT)	SR-836 (Dolphin)	NW 106th St	Widen to 10 Lanes. Needed by 2025. Express lanes will be included for portions of project length.
11095	TP110	SR-821 (HEFT)	I-75		Expansion to Add ramps (to/from north)
11020	FDOT150	SR-826 (Palmetto)	NW 138th St	NW 103rd St/W 49th St	Add a braided off ramp to W 68th St/NW 122nd St, beginning north of EB I-75 to SB Palmetto ramp. Continue with an auxiliary lane to W 49th St/NW 103rd St.
11078	SIS119	SR-826 (Palmetto)	NW 103rd St	NW 154 St	Ultimate improvement
11079	SIS121	SR-826 (Palmetto)	NW 154th St	NW 17 AVE	Managed Lanes (Add 4 Special Use Lanes)
11083	SIS160	SR-826 (Palmetto) Managed Lanes	SR-836 (Dolphin)	NW 103rd St	Add 2 Managed Lanes
11041	MDX102	SR-836 (Dolphin) - RCTO Managed Lanes	SR-826 (Palmetto)/ SR-836 (Dolphin)	Just west of 27th Ave	Two new Managed lanes within SR 836 ROW
11043	MDX110	SR-836 (Dolphin) - RCTO Managed Lanes	SR-821 (HEFT)	SR 826/836 Interchange	Two new Managed lanes within the ROW of SR 836.
11080	SIS122	SR-836 (Dolphin)/ I-395	E of I-95	MacArthur Causeway Bridge	Ultimate improvement
11042	MDX109	SR-924 Gragny West Extension	SR-826 (Palmetto)/I-75	SR-821 (HEFT)	New expressway extension of SR 924/Gragny Parkway west to the HEFT with connections to I-75 and 826/Palmetto Expressway
11001	CoM105	SR 934/NW 79th St/NW 81st St/NW 82nd St	NW 13th Ave	Biscayne Bay	Capacity Improvements
11075	SIS109	SR-997 (Krome) Truck Bypass	SW 296 St to SW to SW 312 on Krome Ave	Krome to US 1 on SW 296th Street	New Road. MP 1.674-2.2: Campbell Drive (local road to be transferred to to SHS) Widen from 9-ft lanes to 12-ft lanes. MP 2.789-3.644 : SR 997/Krome Avenue Widen from 2 lanes to 4 lanes. MP 1.016-1.143: SW 336 Street/Davis Parkway - Intersection Improvements. MP 8.618-8.745: SR 9336/Palm Drive - Intersection improvements.
11019	FDOT136	SW 8th St/SW 87th Ave & SW 8th St/SW 107th Ave			Grade Separations at SW 8th St/SW 87th Ave, SW 8th St/SW 107th Ave
11059	PW143	SW 24th St	SW 107th Ave	SW 87th Ave	4- to 6-lanes
11060	PW144	SW 24th St	SW 117th Ave	SW 107th Ave	4- to 6-lanes

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
11062	PW146	SW 40th St	SW 157th Ave	SW 167th Ave	New 2-lane
11070	PW183	SW 42nd St.	SW 162nd Ave.	SW 157th Ave.	Widen from 2 to 4 lanes
11063	PW149	SW 72nd St	SW 117th Ave	SW 157th Ave	4- to 6-lanes
11064	PW150	SW 80th St	SW 72nd Ave	US-1	2- to 5-lanes
11011	D128	SW 104th St	SW 160th Ave	SW 167th Ave	New 4-lane / Widen to 4 lanes
11012	D129	SW 104th St	SW 167th Ave	SW 177th Ave	New 2-lane
11072	PW185	SW 104th St.	SW 147th Ave.	SW 137th Ave.	Widen from 4 to 6 lanes
11073	PW186	SW 104th St.	Hammocks Blvd	SW 147th Ave.	Widen from 4 to 6 lanes
11053	PW130	SW 107th Ave	Quail Roost Drive	SW 160th St	2- to 4-lanes
11069	PW170	SW 120 St.	SW 137 Ave	SW 117 Avenue	Widen from 4 to 6 lanes
11054	PW133	SW 127th Ave	SW 120th St	SW 144th St	New 4-lane / Widen to 4 lanes
11067	PW168	SW 137 Ave	US-1	SW 184th St	Widen to 4 Lanes
11066	PW159	SW 137th Ave.	SW 24 Street	SW 8 Street	Widen from 4 to 6 lanes
11055	PW135	SW 147th Ave	SW 184th St	SW 152nd St	Add 2-lanes and resurface
11056	PW136	SW 152nd Ave	US-1	SW 312th St (Campbell)	2- to 4-lanes
11017	FDOT129	SW 152nd St/Coral Reef/SR 992	SR-821 (HEFT)	US-1	4 to 6 lanes
11013	D138	SW 157th Ave	SW 184th St	SW 216th St	New 2-lane
11057	PW139	SW 157th Ave	SW 8th St (Tamiami)	SW 42nd St	New 4-lane / Widen to 4 lanes
11035	HS100	SW 162nd Ave (Farm Life)	SW 312th (Campbell Dr)	SW 328th (Lucy St)	2- to 4-lanes divided roadway with left turn lanes
11014	D141	SW 184th St	SW 157th Ave	SW 147th Ave	2- to 4-lanes
11058	PW142	SW 200th St	US-1	Quail Roost Drive	2- to 4-lanes
11039	HS105	SW 312th St (Campbell)	SW 152nd Ave	SW 137th Ave	4- to 6-lanes divided roadway with left turn lanes
11065	PW156	SW 312th St (Campbell)	NW 14th Ave/SW 176th Ave	SW 197th Av	Widen to 6-lanes
11036	HS101	SW 320th St (Mowry)	S. Dixie Hwy	SW 187th Ave	2- to 4-lanes with continuous left turn lanes
11061	PW145	SW 320th St (Mowry)	SW 187th Ave/S. Dixie Hwy	SW 197th Ave/SW 142nd Ave	Widen to 4-lanes
11038	HS103	SW 328th St		US-1	Intersection Improvements - add turn lanes
11089	TP126	Turnpike (Mainline)	Golden Glades Interchange		Interchange Project. Add SB Ramp Capacity
11018	FDOT130	US-1	SW 344 St (Palm)		Grade Separated Overpass
11045	NP107	US-1	SW 27th Ave		Provide continuous flow intersection (grade Separation) on US-1 over SW 27th Ave.
11030	FP1073	US-27 (Okeechobee)	SR-826 (Palmetto)		Add WB South River Dr access to SB SR 826 for truck and auto. Add signage to disable NB through movement at NB ramp and Okeechobee.

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
11077	SIS116	US-27 (Okeechobee)	NW 79th Ave	Krome Ave	Ultimate improvement. Expressway Conversion - Construct Grade Separated Overpasses at Major Intersections. Hialeah Gardens Blvd- Grade Separated, NW 105th Way - Grade Separated /Turbo-T, NW 103rd Street - Grade Separated, NW 87th Avenue - Grade Separated, NW 95th Street - Grade Separated/ Turbo-T
11068	PW169	W Dixie Hwy	NE 163rd St	NE 175th St	Widen to 4 Lanes
MIAMI-DADE PROJECTS -- TRANSIT					
6228	MDT150	79th St Causeway (JFK Cwy) Enhanced Bus	Northside Metrorail Station	Miami Beach Convention Ctr. 17 St / Wash Ave	Improve/implement transit service. Fare structure same as local bus. Stops every mile.
	MDT283	Biscayne Enhanced Bus	Downtown Miami CBD	Aventura Mall	Incremental improvement on PTP corridor
6207	MDT114	Busway Lot - SW 104th Street	US-1 Busway	SW 104th Street	Park-and-Ride with 250-300 surface stalls.
6203	MDT110	Busway Lot - SW 200th Street	US-1 Busway	SW 200th Street	Park-and-Ride/Transit Terminal with 140 surface stalls.
	MDT243	Direct Ramps to Dolphin Station Intermodal Terminal from HEFT Managed Lanes	SR-821 (HEFT) Managed Lanes	Dolphin Station Intermodal Terminal	Direct access ramps
	MDT192	Direct Ramps to Dolphin Station Intermodal Terminal from SR-836 Managed Lanes	SR-836 (Dolphin) Managed Lanes	Dolphin Station Intermodal Terminal	Direct access ramps
	MDT191	Direct Ramps to Palmetto Intermodal Terminal from Palmetto Managed Lanes	SR-826 (Palmetto) Managed Lanes	Palmetto Intermodal Terminal	Direct access ramps
6196	MDT103	Dolphin Station Park-and-Ride/Transit Terminal (HEFT at NW 12th Street)	SR-821 (HEFT) at NW 12th St		Transit Hub with a park-and-ride facility. Project to include a kiss-and-ride, 12 bus bays and 1,000 parking spaces.
6229	MDT151	Douglas Road Enhanced Bus	US 1	MIC at MIA	Incremental improvement on PTP corridor
6195	MDT102	Downtown Intermodal Terminal			Multimodal, Intermodal terminal to also accommodate the (FEC) terminal. Consolidate the existing Downtown Miami bus terminal with new intermodal facility to feature 27 bus bays, layover bays, internal bus circulation areas, kiss -and-ride, bus stops, and boarding areas. No additional parking.

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6222	MDT131	East-West Corridor (Flagler Enhanced Bus)	Downtown Miami	West Miami-Dade County	Incremental improvements Using 10 new 60-foot diesel/electric hybrid, clean diesel, compressed natural gas, or other alternative fuel buses. This route will also serve a proposed park-and-ride/bus terminal station at SW 8th Street and SW 147th Avenue.
	MDT189	Expand overcapacity park-and-ride lot at Dadeland South	Dadeland South Metrorail Station		New parking garage (1000 spaces), ground floor retail, and office space. With a minimum of 8 additional articulated vays (service and layover) are needed.
	MDT186	Expand overcapacity park-and-ride lot at SW 152nd Street	SW 152nd St		New parking garage (500 spaces), ground floor retail, and office space.
	MDT231	I-195 Express Enhanced Bus (South)	Miami Beach Convention Center	Downtown	Express bus on managed lanes
6224	MDT133	Kendall Corridor (Kendall Enhanced Bus)	West Kendall Transit Terminal at Kendall Town Center (Kendall Drive and SW 162nd Avenue)	Dadeland North Metrorail Station	Features robust stations, queue jump lanes, transit signal priority, and real-time "Next Bus" arrival information via electronic signs.
6209	MDT116	Kendall-Tamiami Executive Airport Park-and-Ride	SW 137th Ave and SW 120th St		Park-and-Ride
	SFRTA110	Miami River Intermodal Center Capacity Improvement Study			Double tracking of the remaining single track of Tri-Rail near Miami River.
6200	MDT107	NE 151st Street and Biscayne Boulevard/Park-and-Ride/Transit Terminal	US-1 (Biscayne) and NE 151st St		Southeast corner of NE 151st Street and Biscayne Boulevard identified for strategic location for a Transit Terminal Facility. Incremental improvements along the Biscayne Boulevard. Strategic Park-and-Ride/Transit Terminal Facility features 6 bus bays and 2 layover bays. 50-80 surface parking spaces.
	MDT237	North Corridor (NW 27th Ave) BRT with Dedicated Lanes	MLK Jr. Metrorail Station	NW 215 St	Full BRT. Replace route 297. Stops every mile.
	MDT171	NW 7th Avenue Enhanced Bus	Downtown	Golden Glades Interchange	This route would provide premium limited-stop transit service along NW 7 Avenue between Downtown Miami and the park-and-ride lot located at the Golden Glades Interchange. Fare structure same as local bus with stops every mile. Convert Route 277 to Enhanced Bus

MODEL NETWORK PROJECTS -- REGIONAL COST FEASIBLE

ID	ID2	Facility/Project/Service Name	From Location/At Location	To Location	Additional Description
6199	MDT106	Palmetto Intermodal Terminal	SR-826 (Palmetto) and NW 74th St		Acquiring an 11.88-acre parcel south of the Palmetto Metrorail Station to construct Palmetto Station Intermodal Terminal to include: long-term parking, short-term parking, kiss-and-ride, pool-and-ride and a minimum of 8 bus bays and 2 layover bays.
	SFRTA113	Parking Lot Improvements			Park-and-ride expansion at Metrorail Transfer desired (79th St).
6215	MDT122	Senator Villas	Between SW 89th Ave and SW 89th Crt at SW 40th St		Park-and-Ride