

Tri-Rail Coastal Link Study

(formerly known as the South Florida East Coast Corridor Study)

Tri-Rail Coastal Link

Getting Southeast Florida To Work



Broward Metropolitan Planning Organization
Florida Department of Transportation
Miami-Dade Metropolitan Planning Organization
Palm Beach Metropolitan Planning Organization
Southeast Florida Transportation Council
South Florida Regional Planning Council
South Florida Regional Transportation Authority
Treasure Coast Regional Planning Council

Preliminary Project Development Report

April 2014

Appendix 7: Rail Operating Plan Report



FINAL

FM No. 41703132201

Appendix 7.0 - Rail Operating Plan Report

1.0 Proposed Commuter Service

A commuter train service is proposed to serve communities from Jupiter to Miami and link the downtown areas of West Palm Beach, Fort Lauderdale and Miami. This service would complement, and work in conjunction with, the existing Tri-Rail service. The resulting service would operate on both the Florida East Coast Railway (FEC) corridor and the South Florida Rail Corridor (SFRC) as shown in Figure 1.

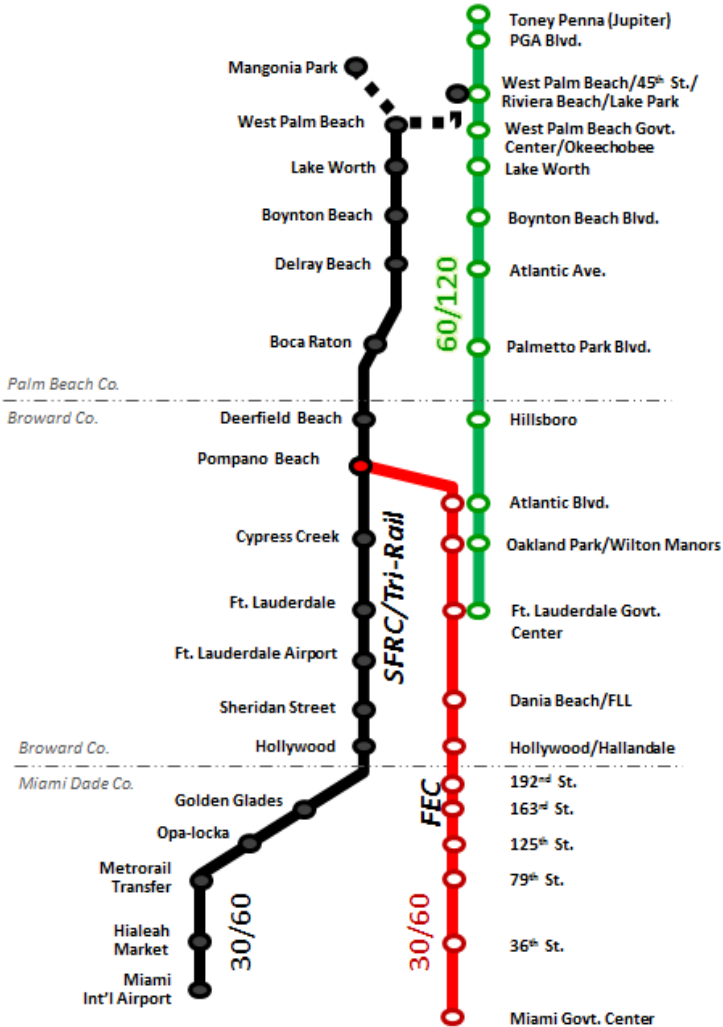
Two schedule variations are described in this document, Build Alternative Option A and Build Alternative Option B.

Figure 1 - Area Overview



2.0 Build Alternative Option A

Figure 2 - Build Alternative Option A Schematic



2.1 Schedule

The proposed commuter train schedule includes three separate routes with 122 daily trains serving 38 stations on the FEC and SFRC corridors. The proposed trains would operate between 04:00 and midnight with AM peak service occurring between 06:00 and 09:00 while PM peak service will operate between 16:00 and 19:00. There will be three lines or segments which have the ability to operate independently of each other and allow a staged implementation as shown in Figure 2.

2.1.1 Red Line

The Red Line would operate 50 daily trains between Pompano Beach on the SFRC line and Miami Government Center in downtown Miami on the FEC line as shown in Table 2.1. This route would serve 12 stations with a 30-minute peak service and operate hourly off peak. The scheduled arrival and departure times at Pompano Beach are coordinated with the Black Line to allow transfers between the two services. This will allow a passenger to access points north of Pompano Beach on the SFRC line from downtown Miami or vice versa. To maintain commuter schedule compliance, five minutes of additional time was added at the final station.

Table 2.1 - Red Line Station-to-Station Run Times (minutes)

Station	SB	NB	Station
Pompano Beach	8	13	Atlantic Blvd
Atlantic Blvd	7	7	Oakland Park
Oakland Park	7	7	Ft Laud Gov't Center
Ft Laud Gov't Center	9	9	Dania Beach
Dania Beach	5	5	Hollywood
Hollywood	6	6	193-203 St Aventura
193-203 St Aventura	4	4	163rd St
163rd St	6	6	125th St
125th St	6	6	79th St
79th St	6	6	36th St
36th St	11	7	Miami Gov't Center

2.1.2 Black Line

The existing Tri-Rail service would be modified by alternating the northern terminus between the existing station at Mangonia Park on the SFRC line and 45th Street in West Palm Beach on the FEC line. The Tri-Rail schedule was modified to provide 30-minute peak and hourly off peak frequencies south of West Palm Beach while maintaining 50 daily trains. As every second train would terminate at Mangonia Park with the alternate trains terminating at 45th Street, the



frequency of service north of the existing Tri-Rail West Palm Beach station on either route would be hourly during the peak and every two hours off peak. In addition, the arrival and departure times at Pompano Beach were scheduled to allow passengers access to downtown Miami via the Red Line. As with the Red Line, five minutes of additional time was added to the final station as shown in Table 2.2.

Table 2.2 - Black Line Station to Station Run Times (minutes)			
Station	SB	NB	Station
WPB 45 th St/ Mangonia Park	8/ 6	13/ 11	West Palm Beach
West Palm Beach	10	10	Lake Worth
Lake Worth	5	5	Boynton Beach
Boynton Beach	8	8	Delray Beach
Delray Beach	6	6	Boca Raton
Boca Raton	7	8	Deerfield Beach
Deerfield Beach	5	5	Pompano Beach
Pompano Beach	6	6	Cypress Creek
Cypress Creek	8	7	Fort Lauderdale
Fort Lauderdale	6	6	FL Airport
FL Airport	4	4	Sheridan
Sheridan	3	3	Hollywood
Hollywood	9	9	Golden Glades
Golden Glades	5	5	Opa Locka
Opa Locka	6	6	Metrorail
Metrorail	5	5	Hialeah Market
Hialeah Market	9	5	Miami Airport

2.1.3 Green Line

The Green Line would operate entirely on the FEC corridor from Toney Penna in Jupiter to the Fort Lauderdale downtown station. This route would have 24 daily trains servicing 12 stations.

Frequency would be one hour peak with two hour service off peak.

Table 2.3 contains station to station run times. To maintain commuter schedule compliance, five minutes of additional time was added at the final station.

Table 2.3 - Green Line Station to Station Run Times (minutes)			
Station	SB	NB	Station
Toney Penna	7	11	PGA Blvd
PGA Blvd	8	8	WPB 45 th St
WPB 45 th St	6	6	WPB Gov't Center
WPB Gov't Center	10	10	Lake Worth
Lake Worth	10	10	Boynton Bch Blvd
Boynton Bch Blvd	7	7	Atlantic Ave
Atlantic Ave	9	8	Palmetto Park
Palmetto Park	4	5	Hillsboro
Hillsboro	8	7	Atlantic Blvd
Atlantic Blvd	7	7	Oakland Park
Oakland Park	12	7	Ft Laud Gov't Center

2.2 Revenue Train and Vehicle Miles

Table 2.4 contains the calculated annual revenue train, locomotive, and train miles for the proposed schedule. Vehicle miles were calculated for the passenger cars only, not including locomotives, and are based on a standard three car consist.

Table 2.4 - Calculated Train and Vehicle Miles			
	Train	Vehicle	Locomotive
Red	534,000	1,601,000	534,000
Black	1,038,000	3,113,000	1,038,000
Green	447,000	1,342,000	447,000
Total	2,019,000	6,056,000	2,019,000



2.3 Schedule Details

Details of the proposed schedule can be found in the following appendices.

- Appendix A includes Train Performance Calculations, illustrating the anticipated train performance for each of the three segments;
- Appendix B includes the complete train schedule with equipment routing;
- Appendix C contains string-line graphs.

2.4 Proposed Infrastructure

To provide an acceptable level of performance for all users of the rail corridors an investment in infrastructure is required. Tables 2.5 and 2.6 summarize additional track and crossover requirements.

Table 2.5 – Build Alternative Option A Crossover Requirements

Corridor	Location	Size	#
FEC	284.65	24	1
FEC	286.46	24	1
FEC	299.16	24	1
FEC	300.96	24	1
FEC	332.53	24	1
FEC	334.16	24	1
FEC	334.24	24	1
FEC	336.66	24	2
FEC	337.45	24	2
FEC	339.44	24	1
FEC	339.66	24	1
FEC	341.40	24	1
FEC	341.76	24	1
FEC	341.84	24	1
FEC	341.92	24	1
FEC	358.71	24	1
SFRC	1001.61	20	1
SFRC	1003.00	20	1
		Total	20

Table 2.6 – Build Alternative Option A Track Requirements

Corridor	From	To	# of Tracks	Length (Miles)	Comments	Build Alternative Option A
FEC	284.20	284.65	1	0.45	Station Stub Track Jupiter	X
FEC	288.40	290.77	1	4.37	Triple Track	X
FEC	296.50	296.95	1	0.45	Station Stub Track 45th St WPB	X
FEC	299.14	300.99	1	1.85	Triple Track	X
FEC	323.38	323.68	1	0.3	Freight Siding	X
FEC	329.83	330.24	1	0.41	Freight Siding	X
FEC	332.47	341.04	1	8.57	Triple Track	X
FEC	341.04	341.80	2	1.52	Quadruple Track	X
FEC	341.05	341.16	1	0.11	Storage Track Fort Lauderdale	X
FEC	341.80	341.96	1	0.16	Triple Track	X
FEC	342.07	342.59	1	0.52	Freight Siding	X
FEC	342.97	343.79	1	0.82	Freight Siding	X
SFRC	1001.31	1001.57	1	0.26	Storage Track Pompano	X
			Total	19.79		

2.5 Equipment Requirements

2.5.1 Standard Consist

A basic train set would be comprised of one locomotive, two bi-level coaches, and one bi-level cab car. This would provide an empty weight of approximately 310 tons with a train length of 321 feet.

2.5.2 Locomotives

The single locomotive would be similar to the four-axle diesel electric Brookville BL36PH locomotives recently purchased by the South Florida Regional Transportation Authority (SFRTA).

2.5.3 Coaches and Cab Cars

Coaches and Cab cars would be bi-level cars similar to what Tri-Rail is currently operating.

2.5.4 Equipment Requirements

A total of 20 train sets would be required to accommodate the proposed schedule. These are distributed with seven required for the Red Line, nine for the Black Line and four for the Green Line. Three spare consists including locomotives and cars would bring the total to 23 train sets.

2.6 Layover and Maintenance Facilities

The proposed commuter train operation will require layover train storage facilities, servicing facilities, and light maintenance facilities. Tri-Rail currently stores and maintains trains in their Hialeah Yard and West Palm Beach locations. Tri-Rail is proposing to construct a new maintenance and layover facility north of Mangonia Park at the Mission Spur. It is anticipated that these two facilities will be modified as required to accommodate the storage and maintenance requirements of the expanded fleet.

2.6.1 Mission Spur (Proposed Tri-Rail)

The facility on the Mission Spur will have service and inspection tracks as well as provisions for a car wash facility. The Phase II design will have capacity for the storage of nine car sets. The Build Alternative Option A schedule operating plan has a requirement for 11 stored trains at night and four daytime storage trains. Expansion of this location

or reallocation of stored equipment will be required to support the Build Alternative Option A schedule.

2.6.2 Hialeah Vehicle Maintenance Facility (Existing Tri-Rail)

Vehicle storage as well as maintenance and vehicle service is proposed at the existing Hialeah Yard at Mile 1033 on the SFRC line. The proposed schedule would require nighttime storage of nine trains and daytime storage of three trains at this location.

To accommodate equipment moves between this facility and the Miami Government Center station a connection between SFRC and FEC is required at IRIS. FDOT has the design of the IRIS Connection underway.

2.7 Station Track Allotment

The Miami Government Center station proposed by All Aboard Florida (AAF) will have four station tracks. Station occupancy at this station was reviewed, and the proposed commuter schedule requires two tracks in the Miami Government Center station. The schedule provided by AAF requires only one AAF train at a time in the station but AAF has indicated they reserve the right for three station tracks. Given AAF's requirements, five tracks may be required in this station.



3.0 Build Alternative Option B

A6C5 is quite similar to the PBA with the following differences.

The through route from or to downtown Miami will be the Black Line from Mangonia Park. The Red Line would continue to be a supporting line but would run between Boca Raton and Miami International Airport (MIA).

The Green Line and Black Line would be synchronized at Atlantic Avenue on the FEC line to allow a timed transfer.

3.1 Build Alternative Option B

3.1.1 Black Line

This spine of the Tri-Rail Coastal Link would serve the dense travel markets of the coastal corridor between Fort Lauderdale and Miami and link this corridor to the rest of region. It would provide fast direct service to the network of park and ride stations along the northern SFRC, including Boca Raton, which has become Tri-Rail’s highest ridership station on weekdays. This line would operate 48 trains per day servicing 19 stations.

To maintain commuter schedule compliance, five minutes of additional time was added at the final station as shown in Table 3.1.

Table 3.1 - Black Line Station to Station Run Times (minutes)			
Station	SB	NB	Station
Mangonia Park	10	10	West Palm Beach
West Palm Beach	11	11	Lake Worth
Lake Worth	6	6	Boynton Beach
Boynton Beach	9	9	Delray Beach
Delray Beach	5	5	Boca Raton
Boca Raton	8	8	Deerfield Beach
Deerfield Beach	5	6	Pompano Beach
Pompano Beach	7	13	Atlantic Blvd
Atlantic Blvd	7	7	Oakland Park
Oakland Park	7	7	Ft Laud Gov't Center
Ft Laud Gov't Center	9	9	Dania Beach
Dania Beach	5	5	Hollywood
Hollywood	6	6	193-203 St Aventura
193-203 St Aventura	4	4	163rd St
163rd St	6	6	125th St
125th St	6	6	79th St
79th St	6	6	36 th St
36 th St	11	7	Miami Gov't Center

3.1.2 Green Line

This leg of the Tri-Rail Coastal Link would serve mobility needs along the northern end of the FEC with direct service linking rapidly growing areas of northern Palm Beach County with the urban downtown cores of West Palm Beach, Lake Worth, Boynton Beach, Delray Beach, Boca Raton and Fort Lauderdale with a timed three-minute connection at Fort Lauderdale to and from Black Line service for Miami Government Center. This line would operate 24 daily trains servicing 12 stations as shown in Table 3.2.



Table 3.2 - Green Line Station to Station Run Times (minutes)

Station	SB	NB	Station
Toney Penna	7	12	PGA Blvd
PGA Blvd	8	8	WPB 45 th St
WPB 45 th St	5	6	WPB Gov't Center
WPB Gov't Center	7	10	Lake Worth
Lake Worth	8	10	Boynton Bch Blvd
Boynton Bch Blvd	7	7	Atlantic Ave
Atlantic Ave	9	8	Palmetto Park
Palmetto Park	4	5	Hillsboro
Hillsboro	8	7	Atlantic Blvd
Atlantic Blvd	7	7	Oakland Park
Oakland Park	15	7	Ft Laud Gov't Center

3.1.3 Red Line

An all-day branch linking the southern SFRC and MIA with the Black Line with a three minute timed connection at Boca Raton to and from Black Line service for points north of Boca Raton. This line fully serves the growing northbound A.M. market on the existing Tri-Rail service from Miami-Dade County and Broward County origins to Boca Raton. Forty-eight trains would service 13 stations as shown in Table 3.3.

Table 3.3 - Red Line Station to Station Run Times (minutes)

Station	SB	NB	Station
Boca Raton	10	15	Deerfield Beach
Deerfield Beach	5	6	Pompano Beach
Pompano Beach	7	6	Cypress Creek
Cypress Creek	8	8	Ft. Lauderdale
Ft. Lauderdale	6	7	FL Airport
FL Airport	4	4	Sheridan
Sheridan	4	4	Hollywood
Hollywood	10	10	Golden Glades
Golden Glades	5	5	Opa Locka
Opa Locka	7	6	Metrorail
Metrorail	5	6	Hialeah Market
Hialeah Market	7	4	Miami Airport

3.2 Revenue Train and Vehicle Miles

Table 3.4 contains the calculated annual revenue train, vehicle, and locomotive miles for the proposed schedule. Vehicle miles were calculated for the passenger cars only, not including locomotives, and are based on a standard three-car consist.

Table 3.4 - Calculated Train and Vehicle Miles

	Train	Vehicle	Locomotive
Red	648,000	1,944,000	648,000
Black	995,000	2,986,000	995,000
Green	488,000	1,463,000	488,000
Total	2,131,000	6,394,000	2,131,000

3.3 Schedule Details

Details of the proposed schedule can be found in the following appendices:

- Appendix D includes Train Performance Calculations, illustrating the anticipated train performance for each of the three segments;
- Appendix E includes the complete train schedule with equipment routing;
- Appendix F contains string-line graphs.

3.4 Proposed Infrastructure

To provide an acceptable level of performance for all users of the rail corridors an investment in infrastructure is required. Tables 3.5 and 3.6 summarize additional track and crossover requirements.

Table 3.5 – Build Alternative Option B Track Requirements

Corridor	From	To	# of Tracks	Length (Miles)	Comments
FEC	284.20	284.65	1	0.45	Station Stub Track Jupiter
FEC	288.40	290.77	1	4.37	Triple Track
FEC	299.14	300.99	1	1.85	Triple Track
FEC	323.38	323.68	1	0.3	Freight Siding
FEC	329.83	330.24	1	0.41	Freight Siding
FEC	332.47	341.04	1	8.57	Triple Track
FEC	341.04	341.80	2	1.52	Quadruple Track
FEC	341.05	341.16	1	0.11	Storage Track Fort Lauderdale
FEC	341.80	341.96	1	0.16	Triple Track
FEC	342.07	342.59	1	0.52	Freight Siding
FEC	342.97	343.79	1	0.82	Freight Siding
FEC	358.69	360.61	1	1.92	Triple Track
FEC	992.58	992.97	1	0.39	Triple Track
SFRC	992.74	993.17	1	0.43	Storage Track
			Total	21.82	

Table 3.6 - Build Alternative Option B Crossover Requirements

Corridor	Location	Size	#
FEC	284.65	24	1
FEC	286.46	24	1
FEC	299.16	24	1
FEC	300.96	24	1
FEC	332.53	24	1
FEC	334.16	24	1
FEC	334.24	24	1
FEC	336.66	24	2
FEC	337.45	24	2
FEC	339.44	24	1
FEC	339.66	24	1
FEC	341.40	24	1
FEC	341.76	24	1
FEC	341.84	24	1
FEC	341.92	24	1
FEC	358.71	24	1
SFRC	970.12	20	1
SFRC	1003.13	20	1
	Total		20

3.5 Equipment Requirements

3.5.1 Standard Consist

A basic train set would be comprised of one locomotive, two bi-level coaches, and one bi-level cab car. This would provide an empty weight of approximately 310 tons with a train length of 321 feet.

3.5.2 Locomotives

The single locomotive would be similar to the four-axle diesel electric Brookville BL36PH locomotives recently purchased by the SFRTA.

3.5.3 Coaches and Cab Cars

Coaches and Cab cars would be bi-level cars similar to what Tri-Rail is currently operating.

3.5.4 Equipment Requirements

A total of 23 train sets would be required to accommodate the proposed schedule. These are distributed with eight required for the Red Line, 11 for the Black Line and four for the Green Line. Three spare consists including locomotives and cars would bring the total to 26 train sets.



3.6 Layover and Maintenance Facilities

The proposed commuter train operation will require layover train storage facilities, servicing facilities, and light maintenance facilities. Tri-Rail currently stores and maintains trains in their Hialeah Yard and West Palm Beach locations. Tri-Rail is proposing to construct a new maintenance and layover facility north of Mangonia Park at the Mission Spur. It is anticipated that these two facilities will be modified as required to accommodate the storage and maintenance requirements of the expanded fleet.

3.6.1 Mission Spur (Proposed Tri-Rail)

Tri-Rail has a proposal to construct a new layover and maintenance facility north of Mangonia Park on the Mission Spur. This facility on the Mission Spur will have service and inspection tracks as well as provisions for a car wash facility. The Phase II design will have capacity for the storage of nine car sets. The Build Alternative Option B schedule operating plan has a requirement for 15 stored trains at night and eight daytime storage trains. Expansion of this location or reallocation of stored equipment will be required to support the Build Alternative Option B schedule.

3.6.2 Hialeah Vehicle Maintenance Facility (Existing Tri-Rail)

Vehicle storage as well as maintenance and vehicle service is proposed at the existing Hialeah yard at Mile 1033 on the SFRC line. The proposed schedule would require nighttime storage of eight trains and daytime storage of four trains at this location.

To accommodate equipment moves between this facility and the Miami Government Center station a connection between SFRC and FEC is required at IRIS. FDOT has the design of the IRIS Connection underway.



4.0 Other Users of the Corridors

4.1 FEC Freight

FEC currently operates approximately 13 daily through freights on their rail corridor. Their proposed 2016 schedule indicates an increase in the number of through freights to approximately 28 trains per day. In addition to their regular freight trains FEC also operates nine local trains, shorter trains which serve customers along the rail line.

The proposed FEC freight schedule can be found in Appendix G.

4.2 All Aboard Florida

In early 2012 Florida East Coast Industries, Inc. (FECI), announced a new passenger service, AAF, which will operate between Orlando and Miami Government Center with intermediate stops at West Palm Beach and Fort Lauderdale. This represents 16 round trip daily trains through the Tri-Rail Coastal Link study area. AAF's proposed schedules are outlined in Tables 4.1 and 4.2.

To support their proposed trains, AAF plans to add infrastructure to the existing FEC rail line. This will provide a double track corridor through the study area and a four-track station in downtown Miami.

Table 4.1 - AAF Southbound Schedule

Train	Orlando	West Palm Beach	Fort Lauderdale	Miami
501	05:00	06:55	07:29	08:10
503	06:00	07:55	08:29	09:10
505	07:00	08:55	09:29	10:10
507	08:00	09:55	10:29	11:10
509	09:00	10:55	11:29	12:10
511	10:00	11:55	12:29	13:10
513	11:00	12:55	13:29	14:10
515	12:00	13:55	14:29	15:10
517	13:00	14:55	15:29	16:10
519	14:00	15:55	16:29	17:10
521	15:00	16:55	17:29	18:10
523	16:00	17:55	18:29	19:10
525	17:00	18:55	19:29	20:10
527	18:00	19:55	20:29	21:10
529	19:00	20:55	21:29	22:10
531	20:00	21:55	22:29	23:10

Table 4.2 - AAF Northbound Schedule

Train	Miami	Fort Lauderdale	West Palm Beach	Orlando
502	06:00	06:31	07:07	09:10
504	07:00	07:31	08:07	10:10
506	08:00	08:31	09:07	11:10
508	09:00	09:31	10:07	12:10
510	10:00	10:31	11:07	13:10
512	11:00	11:31	12:07	14:10
514	12:00	12:31	13:07	15:10
516	13:00	13:31	14:07	16:10
518	14:00	14:31	15:07	17:10
520	15:00	15:31	16:07	18:10
522	16:00	16:31	17:07	19:10
524	17:00	17:31	18:07	20:10
526	18:00	18:31	19:07	21:10
528	19:00	19:31	20:07	22:10
530	20:00	20:31	21:07	23:10
532	21:00	21:31	22:07	00:10



4.3 Amtrak

A proposed Amtrak passenger service will also contribute to the baseline model. Phase I of the proposed FEC corridor service development plan indicates there will be a daily service of two trains (#991 and #992). This plan would have the current Silver Star service split at Jacksonville with a portion of the train continuing south on the FEC corridor to Miami.

Amtrak will also continue to operate the Silver Star, trains 91 and 92 as well as the Silver Meteor, trains 97 and 98 on the CSXT line.

Appendix A: Build Alternative Option A Train Performance Calculations (TPC)

Figures A1 through A8 illustrate both the maximum allowable speed by location as well as the modeled speed. The shaded gray area is the absolute maximum speed with the red line showing the maximum speed with station stops and the green line indicating maximum attainable speed with acceleration and deceleration. In addition throttle (green), dynamic brake (red), air brake (blue), and elevation (brown) are shown.

Figure A1 - Build Option A Southbound Red Line - Pompano to Downtown Miami

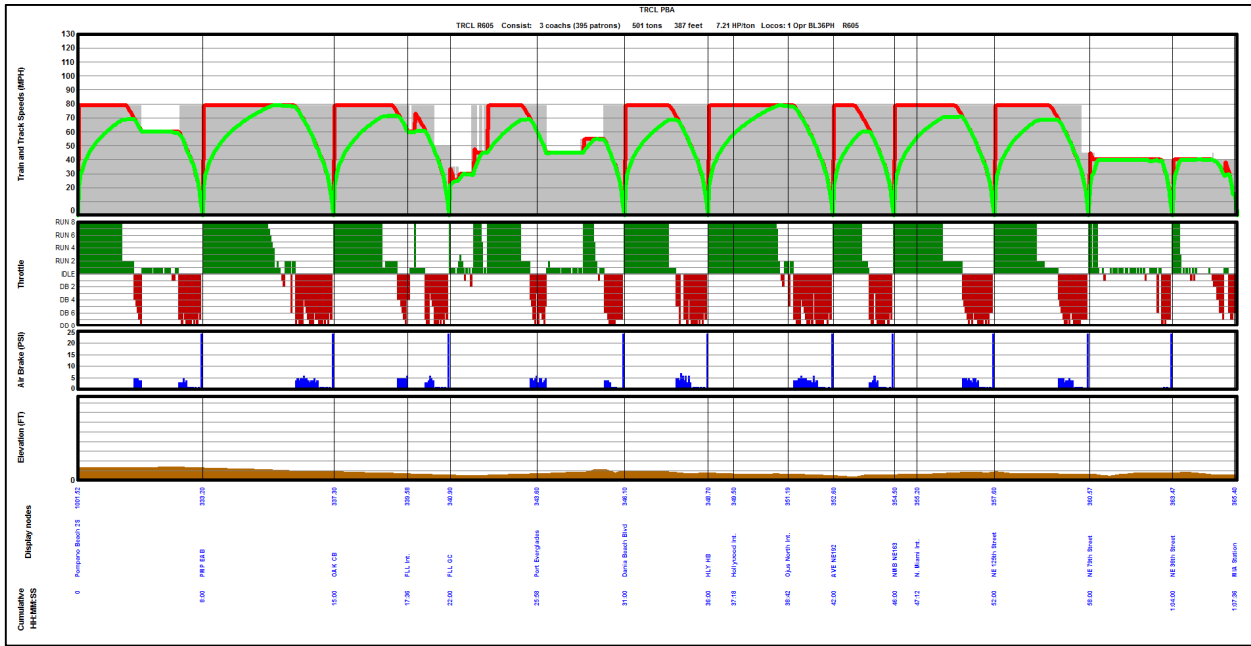


Figure A2 - Build Option A Northbound Red Line - Downtown Miami to Pompano

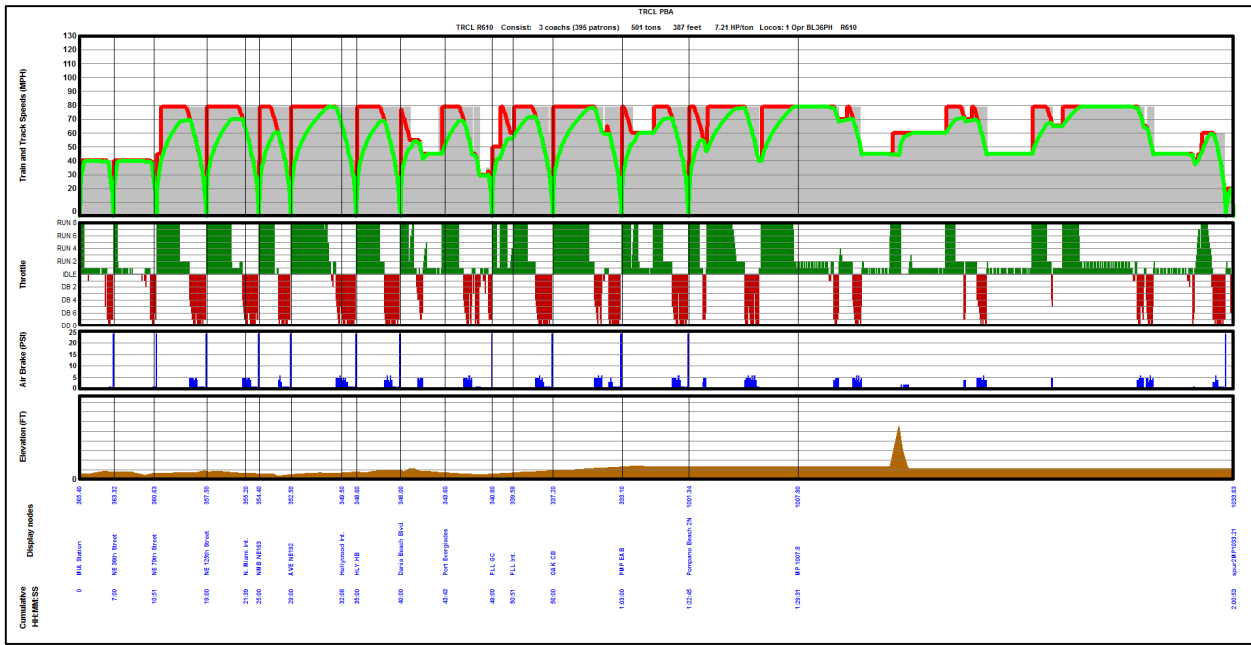


Figure A3 - Build Option A Southbound Black Line, Option A - West Palm Beach to MIA

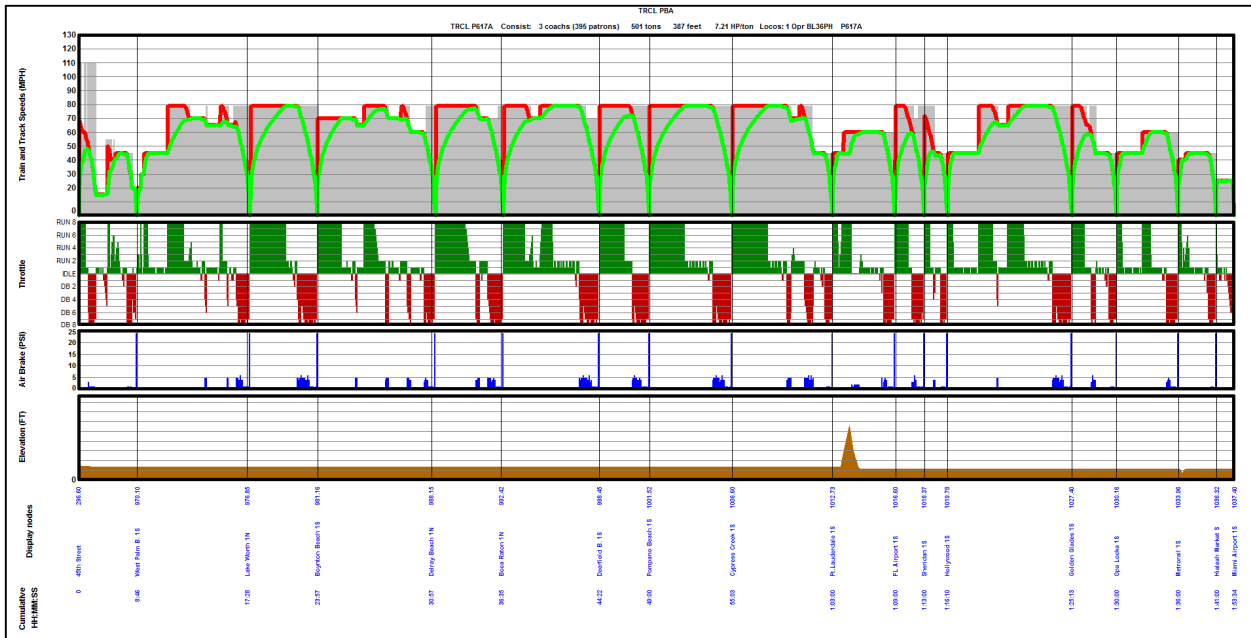


Figure A4 - Build Option A Southbound Black Line, Option B - Mangonia Park to MIA

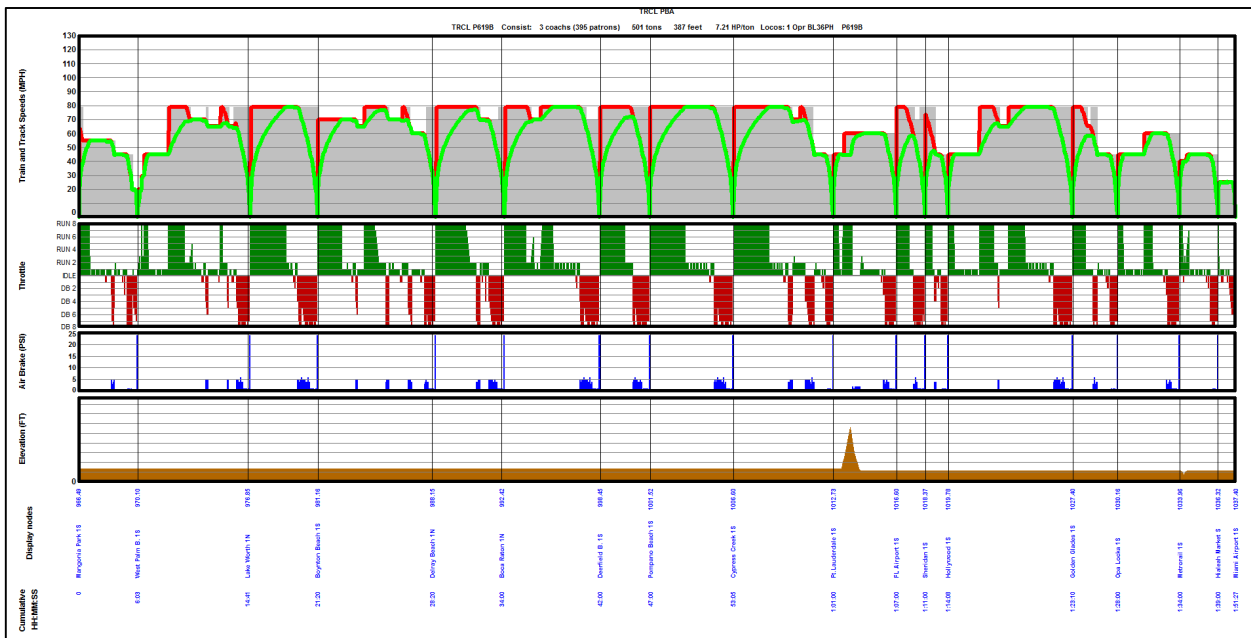


Figure A5 – Build Option A Northbound Black Line, Option A - MIA to West Palm Beach

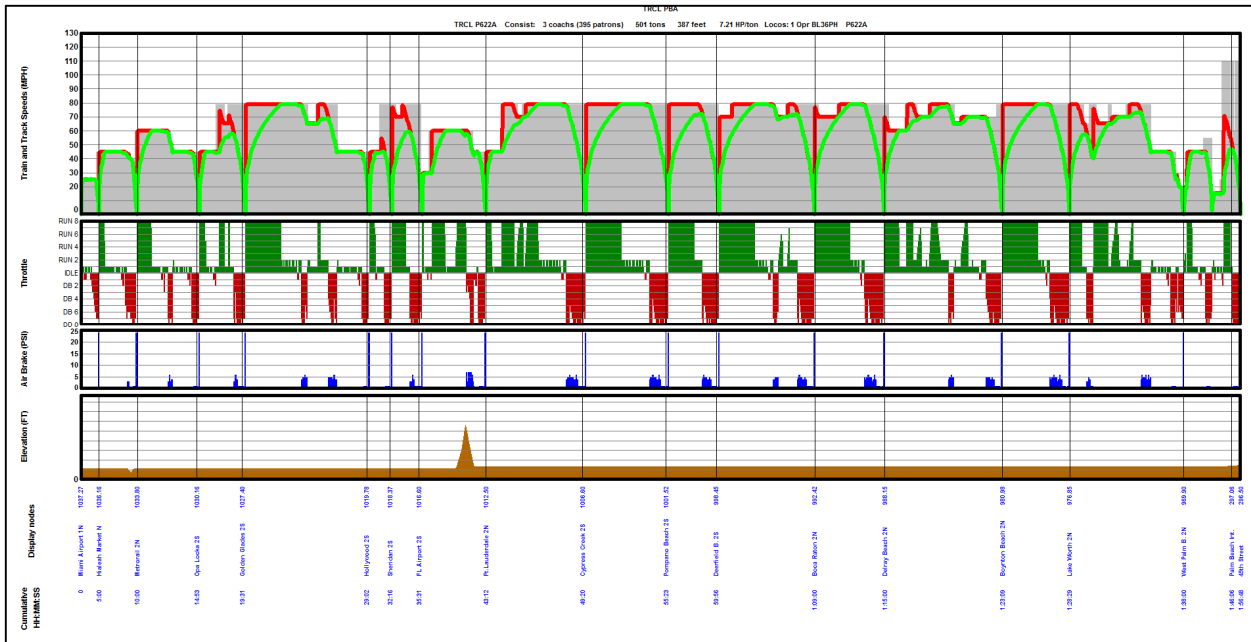


Figure A6 – Build Option A Northbound Black Line, Option B - MIA to Mangonia Park

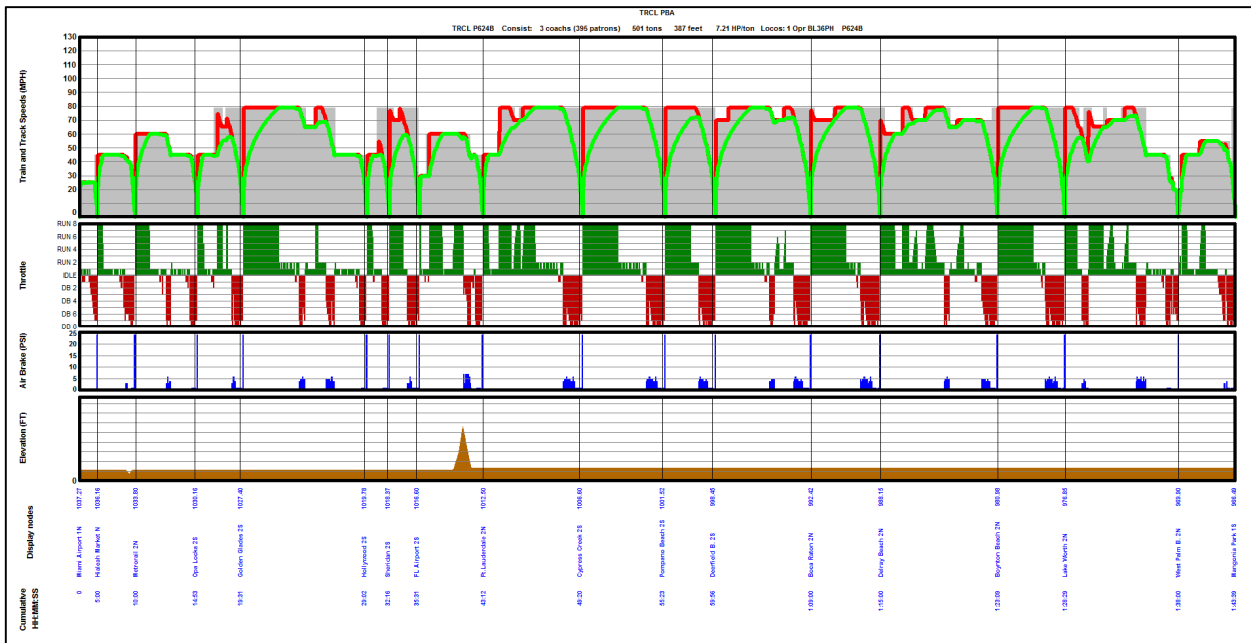


Figure A7 – Build Option A Southbound Green Line - Jupiter to Fort Lauderdale

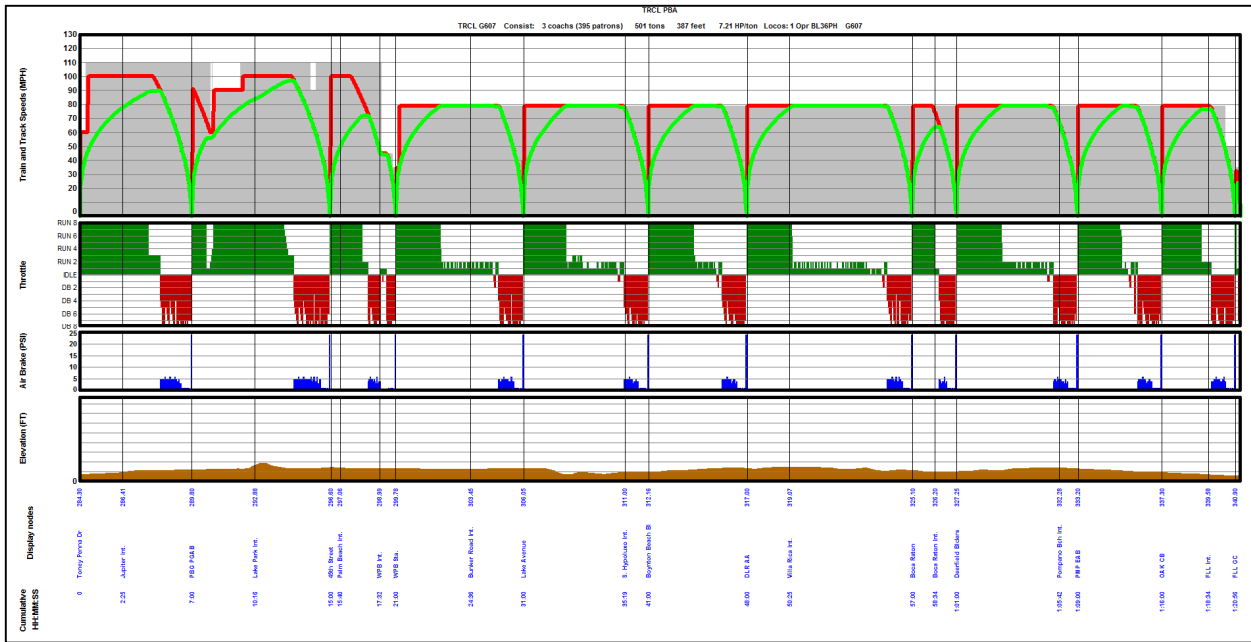
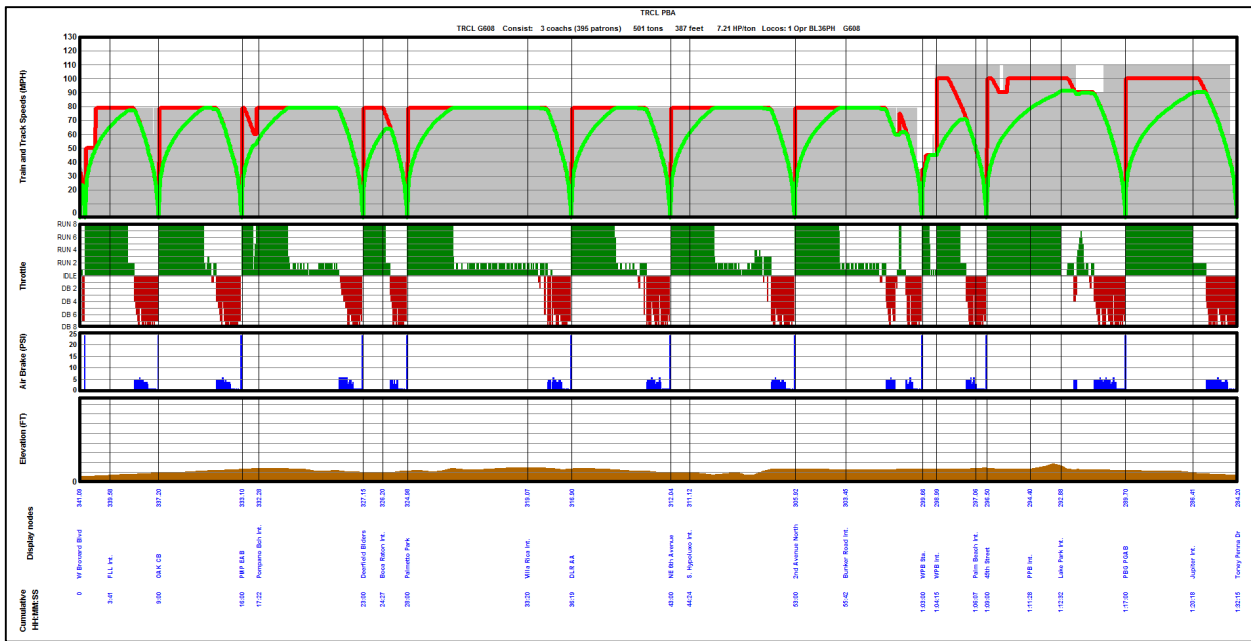


Figure A8 – Build Option A Northbound Green Line – Fort Lauderdale to Jupiter



Appendix B: Build Alternative Option A Proposed Schedule Southbound

	Train Number	P601A	P603B	P605A	P607B	P609A	P611B	P613A	P615B	P617A	P619B	P621A	P623B	P625A	P627B	P629A	P631B	P633A	P635B	P637A	P639B	P641A	P643B	P645A	P647B	P649A
	Train Set	1	4	5	6	7	8	9	2	4	5	6	8	9	2	4	5	6	1	3	8	9	7	5	6	1
	From	WPB	WPB	WPB	WPB	WPB	WPB	WPB	P602B	P608A	P610B	P612A	P616B	P618A	P620B	P622A	P624B	P626A	WPB	WPB	P628B	P630A	WPB	P636A	P638B	P640A
	Storage	3:51	4:23	4:51	5:23	5:51	6:23	6:51											16:23	16:51			18:53			
SFRC/CSXT	FEC 45th St.	4:21		5:21		6:21		7:21		9:21		11:21		13:21		15:21		16:21		17:21		18:21		20:21		22:21
	Mangonia Park		4:53		5:53		6:53		8:23		10:23		12:23		14:23		15:53		16:53		17:53		19:23		21:23	
	West Palm Beach	4:29	4:59	5:29	5:59	6:29	6:59	7:29	8:29	9:29	10:29	11:29	12:29	13:29	14:29	15:29	15:59	16:29	16:59	17:29	17:59	18:29	19:29	20:29	21:29	22:29
	Lake Worth	4:39	5:09	5:39	6:09	6:39	7:09	7:39	8:39	9:39	10:39	11:39	12:39	13:39	14:39	15:39	16:09	16:39	17:09	17:39	18:09	18:39	19:39	20:39	21:39	22:39
	Boynton Beach	4:44	5:14	5:44	6:14	6:44	7:14	7:44	8:44	9:44	10:44	11:44	12:44	13:44	14:44	15:44	16:14	16:44	17:14	17:44	18:14	18:44	19:44	20:44	21:44	22:44
	Delray Beach	4:52	5:22	5:52	6:22	6:52	7:22	7:52	8:52	9:52	10:52	11:52	12:52	13:52	14:52	15:52	16:22	16:52	17:22	17:52	18:22	18:52	19:52	20:52	21:52	22:52
	Boca Raton	4:58	5:28	5:58	6:28	6:58	7:28	7:58	8:58	9:58	10:58	11:58	12:58	13:58	14:58	15:58	16:28	16:58	17:28	17:58	18:28	18:58	19:58	20:58	21:58	22:58
	Deerfield Beach	5:05	5:35	6:05	6:35	7:05	7:35	8:05	9:05	10:05	11:05	12:05	13:05	14:05	15:05	16:05	16:35	17:05	17:35	18:05	18:35	19:05	20:05	21:05	22:05	23:05
	Pompano Beach	5:10	5:40	6:10	6:40	7:10	7:40	8:10	9:10	10:10	11:10	12:10	13:10	14:10	15:10	16:10	16:40	17:10	17:40	18:10	18:40	19:10	20:10	21:10	22:10	23:10
	Cypress Creek	5:16	5:46	6:16	6:46	7:16	7:46	8:16	9:16	10:16	11:16	12:16	13:16	14:16	15:16	16:16	16:46	17:16	17:46	18:16	18:46	19:16	20:16	21:16	22:16	23:16
	Fort Lauderdale	5:24	5:54	6:24	6:54	7:24	7:54	8:24	9:24	10:24	11:24	12:24	13:24	14:24	15:24	16:24	16:54	17:24	17:54	18:24	18:54	19:24	20:24	21:24	22:24	23:24
	Fort Lauderdale/Hollywood International	5:30	6:00	6:30	7:00	7:30	8:00	8:30	9:30	10:30	11:30	12:30	13:30	14:30	15:30	16:30	17:00	17:30	18:00	18:30	19:00	19:30	20:30	21:30	22:30	23:30
	Sheridan Street	5:34	6:04	6:34	7:04	7:34	8:04	8:34	9:34	10:34	11:34	12:34	13:34	14:34	15:34	16:34	17:04	17:34	18:04	18:34	19:04	19:34	20:34	21:34	22:34	23:34
	Hollywood	5:37	6:07	6:37	7:07	7:37	8:07	8:37	9:37	10:37	11:37	12:37	13:37	14:37	15:37	16:37	17:07	17:37	18:07	18:37	19:07	19:37	20:37	21:37	22:37	23:37
	Golden Glades	5:46	6:16	6:46	7:16	7:46	8:16	8:46	9:46	10:46	11:46	12:46	13:46	14:46	15:46	16:46	17:16	17:46	18:16	18:46	19:16	19:46	20:46	21:46	22:46	23:46
	Opa-locka	5:51	6:21	6:51	7:21	7:51	8:21	8:51	9:51	10:51	11:51	12:51	13:51	14:51	15:51	16:51	17:21	17:51	18:21	18:51	19:21	19:51	20:51	21:51	22:51	23:51
Metrorail Transfer	5:57	6:27	6:57	7:27	7:57	8:27	8:57	9:57	10:57	11:57	12:57	13:57	14:57	15:57	16:57	17:27	17:57	18:27	18:57	19:27	19:57	20:57	21:57	22:57	23:57	
Hialeah Market	6:02	6:32	7:02	7:32	8:02	8:32	9:02	10:02	11:02	12:02	13:02	14:02	15:02	16:02	17:02	17:32	18:02	18:32	19:02	19:32	20:02	21:02	22:02	23:02	0:02	
Miami Airport	6:11	6:41	7:11	7:41	8:11	8:41	9:11	10:11	11:11	12:11	13:11	14:11	15:11	16:11	17:11	17:41	18:11	18:41	19:11	19:41	20:11	21:11	22:11	23:11	0:11	
To	P606B	P608A	P610B	P612A	P614B	P616B	P616B	P620B	P622A	P624B	P626A	P628B	P630A	P632A	P634B	P636A	P638B	P640A	P642B	P644B	P646A	P648B	P650A	HIA	HIA	
Train Number	G601		G603		G605		G607		G609		G611		G613		G615		G617		G619		G621		G623			
Train Set	10		11		12		10		12		10		12		11		10		13		11		13			
From	WPB		WPB		WPB		G602		G606		G608		G610		WPB		G612		WPB		G616		G620			
Storage	4:25		5:25		6:25										15:25				17:25							
Toney Penna	4:55		5:55		6:55		8:55		10:55		12:55		14:55		15:55		16:55		17:55		19:55		21:55			
PGA Blvd.	5:02		6:02		7:02		9:02		11:02		13:02		15:02		16:02		17:02		18:02		20:02		22:02			
45th St.	5:10		6:10		7:10		9:10		11:10		13:10		15:10		16:10		17:10		18:10		20:10		22:10			
WPB Okeechobee Blvd.	5:16		6:16		7:16		9:16		11:16		13:16		15:16		16:16		17:16		18:16		20:16		22:16			
Lake Worth	5:26		6:26		7:26		9:26		11:26		13:26		15:26		16:26		17:26		18:26		20:26		22:26			
LAN Lantana Rd/Hypoluxo Rd.	5:36		6:36		7:36		9:36		11:36		13:36		15:36		16:36		17:36		18:36		20:36		22:36			
DLR Atlantic Ave.	5:43		6:43		7:43		9:43		11:43		13:43		15:43		16:43		17:43		18:43		20:43		22:43			
Palmentto Park Blvd	5:52		6:52		7:52		9:52		11:52		13:52		15:52		16:52		17:52		18:52		20:52		22:52			
DRF E. Hillsboro Blvd.	5:56		6:56		7:56		9:56		11:56		13:56		15:56		16:56		17:56		18:56		20:56		22:56			
PMP E. Atlantic Blvd.	6:04		7:04		8:04		10:04		12:04		14:04		16:04		17:04		18:04		19:04		21:04		23:04			
OAK Commercial Blvd./38th St.	6:11		7:11		8:11		10:11		12:11		14:11		16:11		17:11		18:11		19:11		21:11		23:11			
FLL Government Center	6:23		7:23		8:23		10:23		12:23		14:23		16:23		17:23		18:23		19:23		21:23		23:23			
To	G601		G604		G606		G608		G610		G612		G614		G616		G618		G620		G622		G624			
Train Number	R601	R603	R605	R607	R609	R611	R613	R615	R617	R619	R621	R623	R625	R627	R629	R631	R633	R635	R637	R639	R641	R643	R645	R647	R649	
Train Set	15	17	16	14	18	19	20	17	14	19	20	17	14	19	20	15	17	16	14	19	18	15	16	19	18	
From	HIA	HIA	R602	HIA	R604	R606	R608	R612	R616	R618	R620	R622	R624	R626	R628	HIA	R630	HIA	R632	R634	R636	R640	R644	R646	R648	
	4:17	4:47	5:47												15:47		16:47									
Pompano Beach	5:13	5:43	6:13	6:43	7:13	7:43	8:13	9:13	10:13	11:13	12:13	13:13	14:13	15:13	16:13	16:43	17:13	17:43	18:13	18:43	19:13	20:13	21:13	22:13	23:13	
PMP E. Atlantic Blvd.	5:21	5:51	6:21	6:51	7:21	7:51	8:21	9:21	10:21	11:21	12:21	13:21	14:21	15:21	16:21	16:51	17:21	17:51	18:21	18:51	19:21	20:21	21:21	22:21	23:21	
OAK Commercial Blvd./38th St.	5:28	5:58	6:28	6:58	7:28	7:58	8:28	9:28	10:28	11:28	12:28	13:28	14:28	15:28	16:28	16:58	17:28	17:58	18:28	18:58	19:28	20:28	21:28	22:28	23:28	
FLL Government Center	5:35	6:05	6:35	7:05	7:35	8:05	8:35	9:35	10:35	11:35	12:35	13:35	14:35	15:35	16:35	17:05	17:35	18:05	18:35	19:05	19:35	20:35	21:35	22:35	23:35	
Dania Beach Blvd.	5:44	6:14	6:44	7:14	7:44	8:14	8:44	9:44	10:44	11:44	12:44	13:44	14:44	15:44	16:44	17:14	17:44	18:14	18:44	19:14	19:44	20:44	21:44	22:44	23:44	
HLY Hollywood Blvd.	5:49	6:19	6:49	7:19	7:49	8:																				



Appendix B: Build Alternative Option A Proposed Schedule Northbound

Northbound		R602	R604	R606	R608	R610	R612	R614	R616	R618	R620	R622	R624	R626	R628	R630	R632	R634	R636	R638	R640	R642	R644	R646	R648	R650
Trainset		16	18	19	20	15	17	16	14	19	20	17	14	19	20	17	14	19	18	20	15	17	16	19	18	15
From		HIA	HIA	HIA	HIA	R601	R603	R605	R607	R611	R613	R615	R617	R619	R621	R623	R625	R627	HIA	R629	R631	R633	R635	R639	R641	R643
Originate (Depart)		4:04	5:04	5:34	6:04														17:04							
MIA Government Center		4:34	5:34	6:04	6:34	7:04	7:34	8:04	8:34	9:34	10:34	11:34	12:34	13:34	14:34	15:34	16:34	17:04	17:34	18:04	18:34	19:04	19:34	20:34	21:34	22:34
MIA NW 36th St.		4:41	5:41	6:11	6:41	7:11	7:41	8:11	8:41	9:41	10:41	11:41	12:41	13:41	14:41	15:41	16:41	17:11	17:41	18:11	18:41	19:11	19:41	20:41	21:41	22:41
MIA NE 79th St.		4:47	5:47	6:17	6:47	7:17	7:47	8:17	8:47	9:47	10:47	11:47	12:47	13:47	14:47	15:47	16:47	17:17	17:47	18:17	18:47	19:17	19:47	20:47	21:47	22:47
NE 125th St.		4:53	5:53	6:23	6:53	7:23	7:53	8:23	8:53	9:53	10:53	11:53	12:53	13:53	14:53	15:53	16:53	17:23	17:53	18:23	18:53	19:23	19:53	20:53	21:53	22:53
NMB NE 163rd St.		4:59	5:59	6:29	6:59	7:29	7:59	8:29	8:59	9:59	10:59	11:59	12:59	13:59	14:59	15:59	16:59	17:29	17:59	18:29	18:59	19:29	19:59	20:59	21:59	22:59
AVE NE 192nd St.		5:03	6:03	6:33	7:03	7:33	8:03	8:33	9:03	10:03	11:03	12:03	13:03	14:03	15:03	16:03	17:03	17:33	18:03	18:33	19:03	19:33	20:03	21:03	22:03	23:03
HLY Hollywood Blvd.		5:09	6:09	6:39	7:09	7:39	8:09	8:39	9:09	10:09	11:09	12:09	13:09	14:09	15:09	16:09	17:09	17:39	18:09	18:39	19:09	19:39	20:09	21:09	22:09	23:09
Dania Beach Blvd.		5:14	6:14	6:44	7:14	7:44	8:14	8:44	9:14	10:14	11:14	12:14	13:14	14:14	15:14	16:14	17:14	17:44	18:14	18:44	19:14	19:44	20:14	21:14	22:14	23:14
FLL Government Center		5:23	6:23	6:53	7:23	7:53	8:23	8:53	9:23	10:23	11:23	12:23	13:23	14:23	15:23	16:23	17:23	17:53	18:23	18:53	19:23	19:53	20:23	21:23	22:23	23:23
OAK Commercial Blvd./38th St.		5:30	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:30	11:30	12:30	13:30	14:30	15:30	16:30	17:30	18:00	18:30	19:00	19:30	20:00	20:30	21:30	22:30	23:30
PMP E. Atlantic Blvd.		5:37	6:37	7:07	7:37	8:07	8:37	9:07	9:37	10:37	11:37	12:37	13:37	14:37	15:37	16:37	17:37	18:07	18:37	19:07	19:37	20:07	20:37	21:37	22:37	23:37
Pompano Beach		5:50	6:50	7:20	7:50	8:20	8:50	9:20	9:50	10:50	11:50	12:50	13:50	14:50	15:50	16:50	17:50	18:20	18:50	19:20	19:50	20:20	20:50	21:50	22:50	23:50
To		R605	R609	R611	R613	HIA	R615	HIA	R617	R619	R621	R623	R625	R627	R629	R633	R637	R639	R641	HIA	R643	HIA	R645	R647	R649	HIA
Train Number			G602		G604		G606		G608		G610		G612		G614		G616		G618		G620		G622		G624	
Train Set			10		11		12		10		12		10		12		11		10		13		11		13	
From			G601		G603		G605		G607		G609		G611		G613		G615		G617		G619		G621		G623	
Storage									10:14																	
FLL Government Center			6:44		7:44		8:44		10:44		12:44		14:44		16:44		17:44		18:44		19:44		21:44		23:44	
OAK Commercial Blvd./38th St.			6:51		7:51		8:51		10:51		12:51		14:51		16:51		17:51		18:51		19:51		21:51		23:51	
PMP E. Atlantic Blvd.			6:58		7:58		8:58		10:58		12:58		14:58		16:58		17:58		18:58		19:58		21:58		23:58	
DRF E. Hillsboro Blvd.			7:05		8:05		9:05		11:05		13:05		15:05		17:05		18:05		19:05		20:05		22:05		0:05	
Palmetto Park Blvd			7:10		8:10		9:10		11:10		13:10		15:10		17:10		18:10		19:10		20:10		22:10		0:10	
DLR Atlantic Ave.			7:18		8:18		9:18		11:18		13:18		15:18		17:18		18:18		19:18		20:18		22:18		0:18	
LAN Lantana Rd/Hypoluxo Rd.			7:25		8:25		9:25		11:25		13:25		15:25		17:25		18:25		19:25		20:25		22:25		0:25	
Lake Worth			7:35		8:35		9:35		11:35		13:35		15:35		17:35		18:35		19:35		20:35		22:35		0:35	
WPB Okeechobee Blvd.			7:45		8:45		9:45		11:45		13:45		15:45		17:45		18:45		19:45		20:45		22:45		0:45	
45th St.			7:51		8:51		9:51		11:51		13:51		15:51		17:51		18:51		19:51		20:51		22:51		0:51	
PGA Blvd.			7:59		8:59		9:59		11:59		13:59		15:59		17:59		18:59		19:59		20:59		22:59		0:59	
Toney Penna			8:10		9:10		10:10		12:10		14:10		16:10		18:10		19:10		20:10		21:10		23:10		1:10	
To			G607		WPB		G609		G611		G613		G615		WPB		G621		WPB		G623		WPB		WPB	
Train Number		P602B	P604A	P606B	P608A	P610B	P612A	P614B	P616B	P618A	P620B	P622A	P624B	P626A	P628B	P630A	P632A	P634B	P636A	P638B	P640A	P642B	P644B	P646A	P648B	P650A
Train Set		2	3	1	4	5	6	7	8	9	2	4	5	6	8	9	2	4	5	6	1	3	8	9	7	5
From		HIA	HIA	P601A	P603B	P605A	P607B	P609A	P611B	P613A	P615B	P617A	P619B	P621A	P623B	P625A	P627B	P629A	P631B	P633A	P635B	P637A	P639B	P641A	P643B	P645A
Storage		4:27	5:27																							
Miami Airport		4:57	5:57	6:27	6:57	7:27	7:57	8:27	8:57	9:57	10:57	11:57	12:57	13:57	14:57	15:57	16:57	17:27	17:57	18:27	18:57	19:27	19:57	20:57	21:57	22:57
Hiialeah Market		5:02	6:02	6:32	7:02	7:32	8:02	8:32	9:02	10:02	11:02	12:02	13:02	14:02	15:02	16:02	17:02	17:32	18:02	18:32	19:02	19:32	20:02	21:02	22:02	23:02
Metrorail Transfer		5:07	6:07	6:37	7:07	7:37	8:07	8:37	9:07	10:07	11:07	12:07	13:07	14:07	15:07	16:07	17:07	17:37	18:07	18:37	19:07	19:37	20:07	21:07	22:07	23:07
Opa-locka		5:13	6:13	6:43	7:13	7:43	8:13	8:43	9:13	10:13	11:13	12:13	13:13	14:13	15:13	16:13	17:13	17:43	18:13	18:43	19:13	19:43	20:13	21:13	22:13	23:13
Golden Glades		5:18	6:18	6:48	7:18	7:48	8:18	8:48	9:18	10:18	11:18	12:18	13:18	14:18	15:18	16:18	17:18	17:48	18:18	18:48	19:18	19:48	20:18	21:18	22:18	23:18
Hollywood		5:27	6:27	6:57	7:27	7:57	8:27	8:57	9:27	10:27	11:27	12:27	13:27	14:27	15:27	16:27	17:27	17:57	18:27	18:57	19:27	19:57	20:27	21:27	22:27	23:27
Sheridan Street		5:30	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:30	11:30	12:30	13:30	14:30	15:30	16:30	17:30	18:00	18:30	19:00	19:30	20:00	20:30	21:30	22:30	23:30
Fort Lauderdale/Hollywood International		5:34	6:34	7:04	7:34	8:04	8:34	9:04	9:34	10:34	11:34	12:34	13:34	14:34	15:34	16:34	17:34	18:04	18:34	19:04	19:34	20:04	20:34	21:34	22:34	23:34
Fort Lauderdale		5:40	6:40	7:10	7:40	8:10	8:40	9:10	9:40	10:40	11:40	12:40	13:40	14:40	15:40	16:40	17:40	18:10	18:40	19:10	19:40	20:10	20:40	21:40	22:40	23:40
Cypress Creek		5:47	6:47	7:17	7:47	8:17	8:47	9:17	9:47	10:47	11:47	12:47	13:47	14:47	15:47	16:47	17:47	18:17	18:47	19:17	19:47	20:17	20:47	21:47	22:47	23:47
Pompano Beach		5:53	6:53	7:23	7:53	8:23	8:53	9:23	9:53	10:53	11:53	12:53	13:53	14:53	15:53	16:53	17:53	18:23	18:53	19:23	19:53	20:23	20:53	21:53	22:53	23:53
Deerfield Beach		5:58	6:58	7:28	7:58	8:28	8:58	9:28	9:58	10:58	11:58	12:58	13:58	14:58	15:58	16:58	17:58	18:28	18:58	19:28	19:58	20:28	20:58	21:58	22:58	23:58
Boca Raton		6:06	7:06	7:36	8:06	8:36	9:06	9:36	10:06	11:06	12:06	13:06	14:06	15:06	16:06	17:06	18:06	18:36	19:06	19:36	20:06	20:36	21:06	22:06	23:06	0:06
Delray Beach		6:12	7:12	7:42	8:12	8:42	9:12	9:42	10:12	11:12	12:12	13:12	14:12	15:12	16:12	17:12	18:12	18:42	19:12	19:42	20:12	20:42	21:12	22:12	23:12	0:12
Boynton Beach		6:20	7:20	7:50	8:20	8:50	9:20	9:50	10:20	11:20	12:20	13:20	14:20	15:20	16:20	17:20	18:20	18:50	19:20	19:50	20:20	20:50	21:20	22:20	23:20	0:20
Lake Worth		6:25	7:25	7:55	8:25	8:55	9:25	9:55																		



Table B1 illustrates the proposed equipment cycling.

The “Turn” column represents the time in hours and minutes between a train set’s scheduled arrival time and its on-time departure for its next assignment.

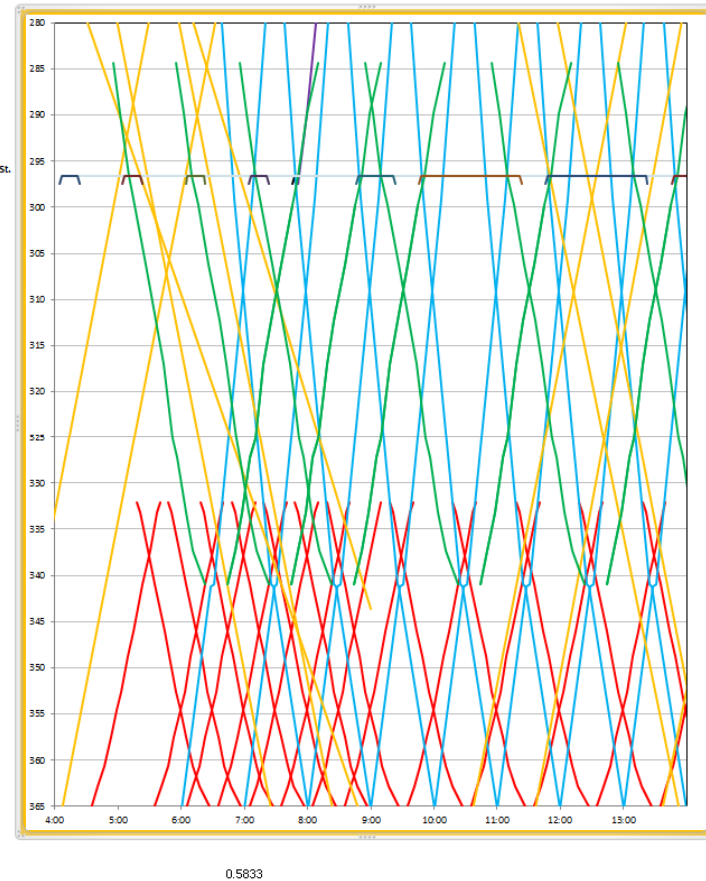
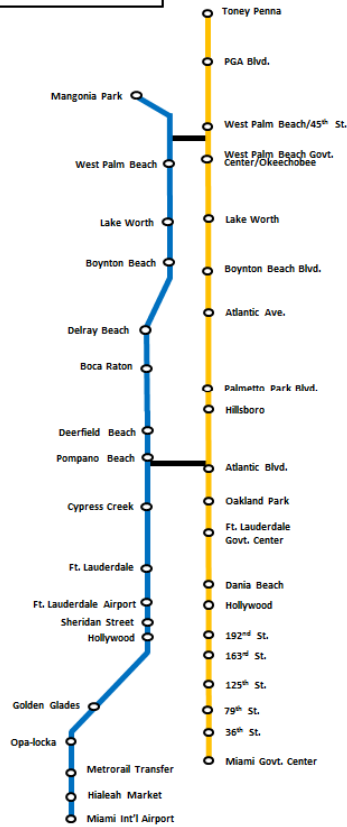
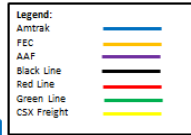
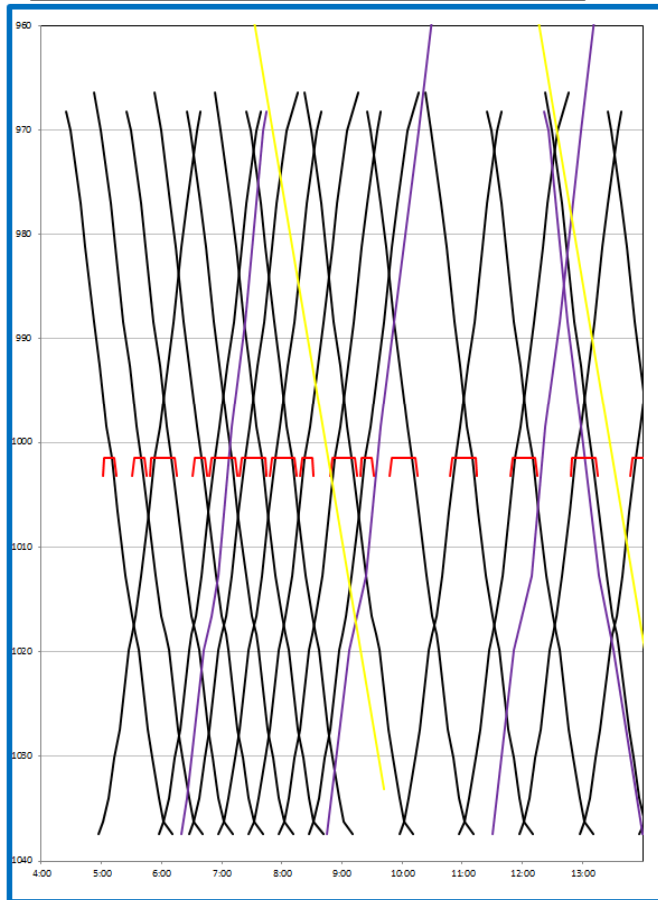
Table B1 - Build Alternative Option A Proposed Schedule Equipment Routing

Train Set	Orig	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Turn	Assgnmt	Storage	
1	Mission	P601A	0:16	P606B		Mission		P635B	0:16	P640A	1:33	P649A										Hialeah
2	Hialeah	P602B	1:37	P615B	0:46	P620B	1:37	P627B	0:46	P632A												Mission
3	Hialeah	P604A		Mission		P637A	0:16	P642B														Mission
4	Mission	P603B	0:16	P608A	0:33	P617A	0:46	P622A	1:33	P629A	0:16	P634B										Mission
5	Mission	P605A	0:16	P610B	1:07	P619B	0:46	P624B	1:07	P631B	0:16	P636A	0:33	P645A	0:46	P650A						Mission
6	Mission	P607B	0:16	P612A	1:33	P621A	0:46	P626A	0:33	P633A	0:16	P638B	1:07	P647B								Hialeah
7	Mission	P609A	0:16	P614B		Mission		P643B	0:46	P648B												Mission
8	Mission	P611B	0:46	P616B	1:33	P623B	0:46	P628B	1:07	P639B	0:16	P644B										Mission
9	Mission	P613A	0:46	P618A	1:33	P625A	0:46	P630A	0:33	P641A	0:46	P646A										Mission
10	Mission	G601	0:21	G602	0:45	G607	0:21	G608	0:45	G611	0:21	G612	0:45	G617	0:21	G618						Mission
11	Mission	G603	0:21	G604		Mission		G615	0:21	G616	0:45	G621	0:21	G622								Mission
12	Mission	G605	0:21	G606	0:45	G609	0:21	G610	0:45	G613	0:21	G614										Mission
13	Mission	G619	0:21	G620	0:45	G623	0:21	G624														Mission
14	Hialeah	R607	0:36	R616	0:23	R617	1:06	R624	0:23	R625	1:06	R632	0:23	R637								Hialeah
15	Hialeah	R601	0:36	R610		Hialeah		R631	0:36	R640	0:23	R643	1:06	R650								Hialeah
16	Hialeah	R602	0:23	R605	0:36	R614		Hialeah		R635	0:36	R644	0:23	R645								Hialeah
17	Hialeah	R603	0:36	R612	0:23	R615	1:06	R622	0:23	R623	1:06	R630	0:23	R633	0:36	R642						Hialeah
18	Hialeah	R604	0:23	R609		Hialeah		R636	0:23	R641	1:06	R648	0:23	R649								Hialeah
19	Hialeah	R606	0:23	R611	0:36	R618	0:23	R619	1:06	R626	0:23	R627	0:36	R634	0:23	R639	0:36	R646	0:23	R647		Hialeah
20	Hialeah	R608	0:23	R613	1:06	R620	0:23	R621	1:06	R628	0:23	R629	0:36	R638								Hialeah



Appendix C: Build Alternative Option A Time Distance Graphs 04:00 - 14:00

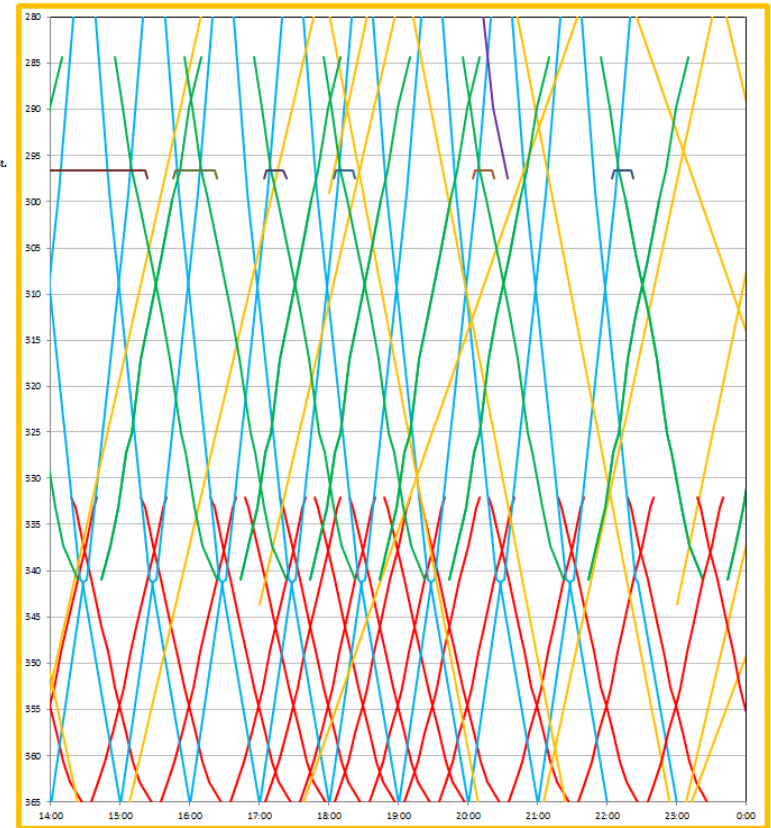
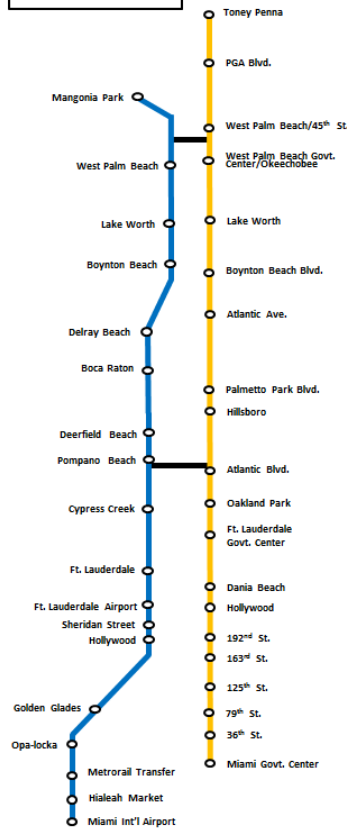
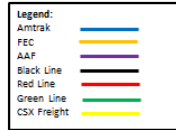
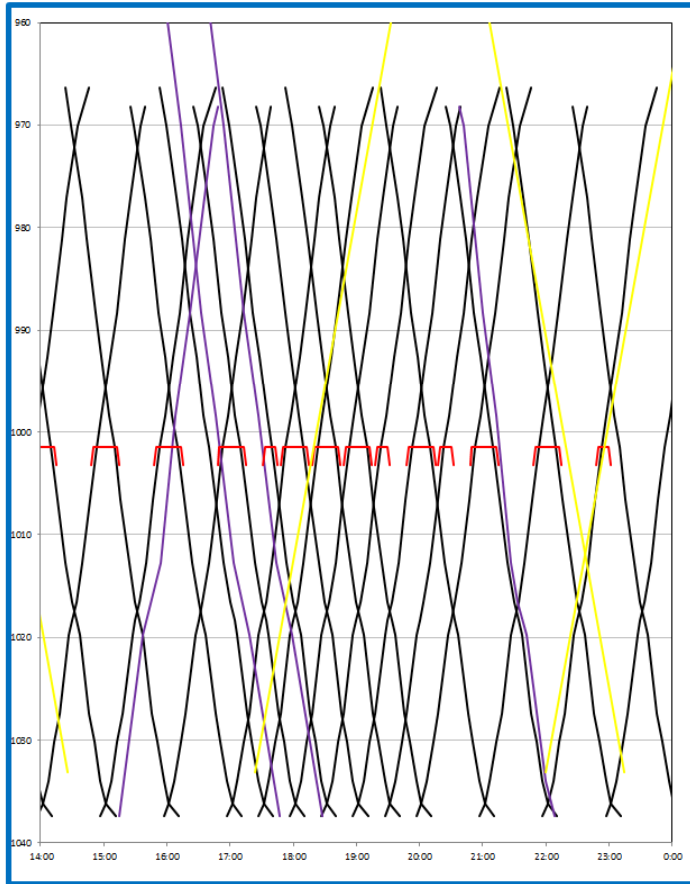
Time Distance Graphs
SFRC - FEC 04:00 - 14:00





Appendix C: Build Alternative Option A Time Distance Graphs 14:00 – 23:59

Time Distance Graphs
SFRC - FEC 14:00 - 23:59



Appendix D: Build Alternative Option B Train Performance Calculations (TPC)

Figures D1 through D6 illustrate both the maximum allowable speed by location as well as the modeled speed. The shaded gray area is the absolute maximum speed with the red line showing the maximum speed with station stops and the green line indicating maximum attainable speed with acceleration and deceleration. In addition, throttle (green), dynamic brake (red), air brake (blue), and elevation (brown) are shown.

Figure D1 - Build Alternative Option B Southbound Red Line - Boca Raton to MIA

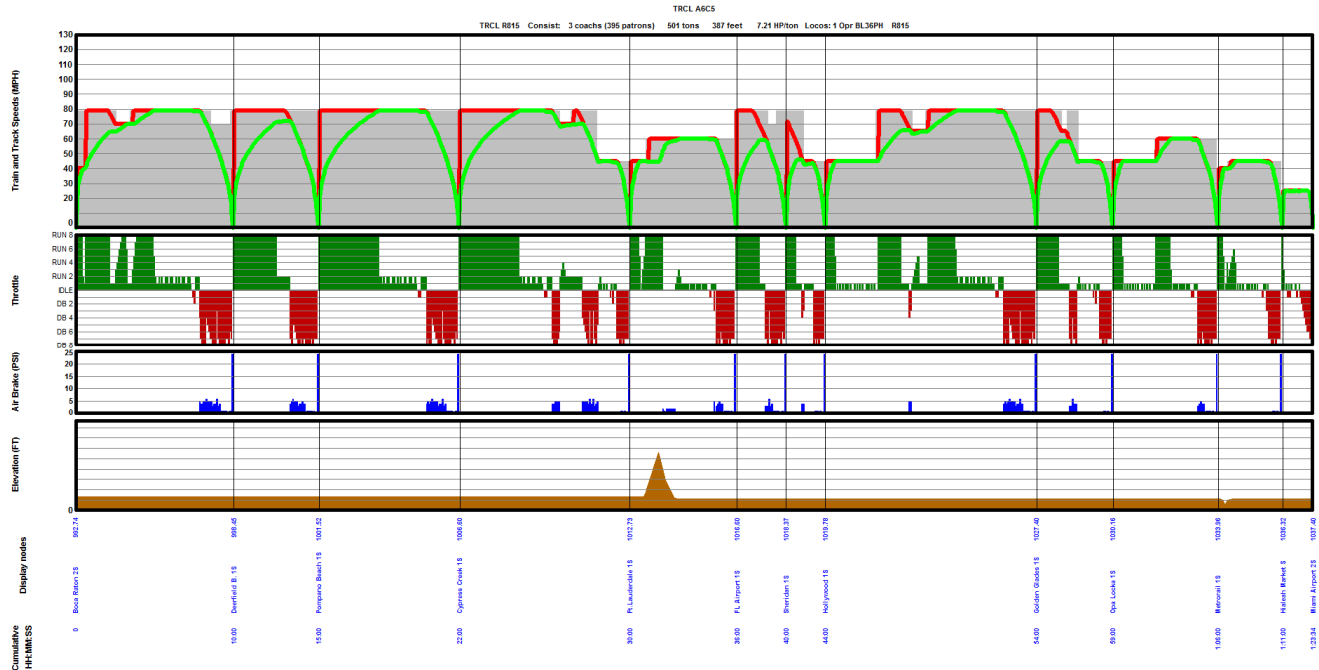


Figure D2 - Build Alternative Option B Northbound Red Line – MIA to Boca Raton

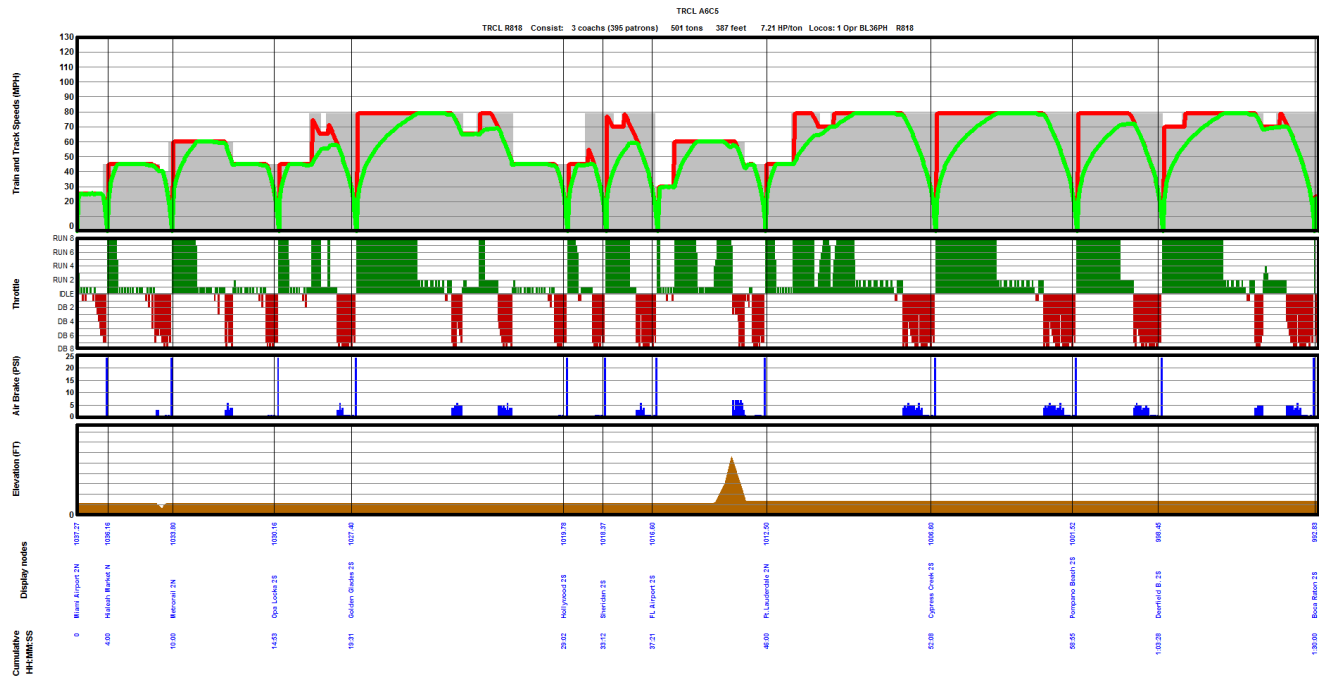


Figure D3 - Build Alternative Option B Southbound Black Line - Mangonia Park to Downtown Miami

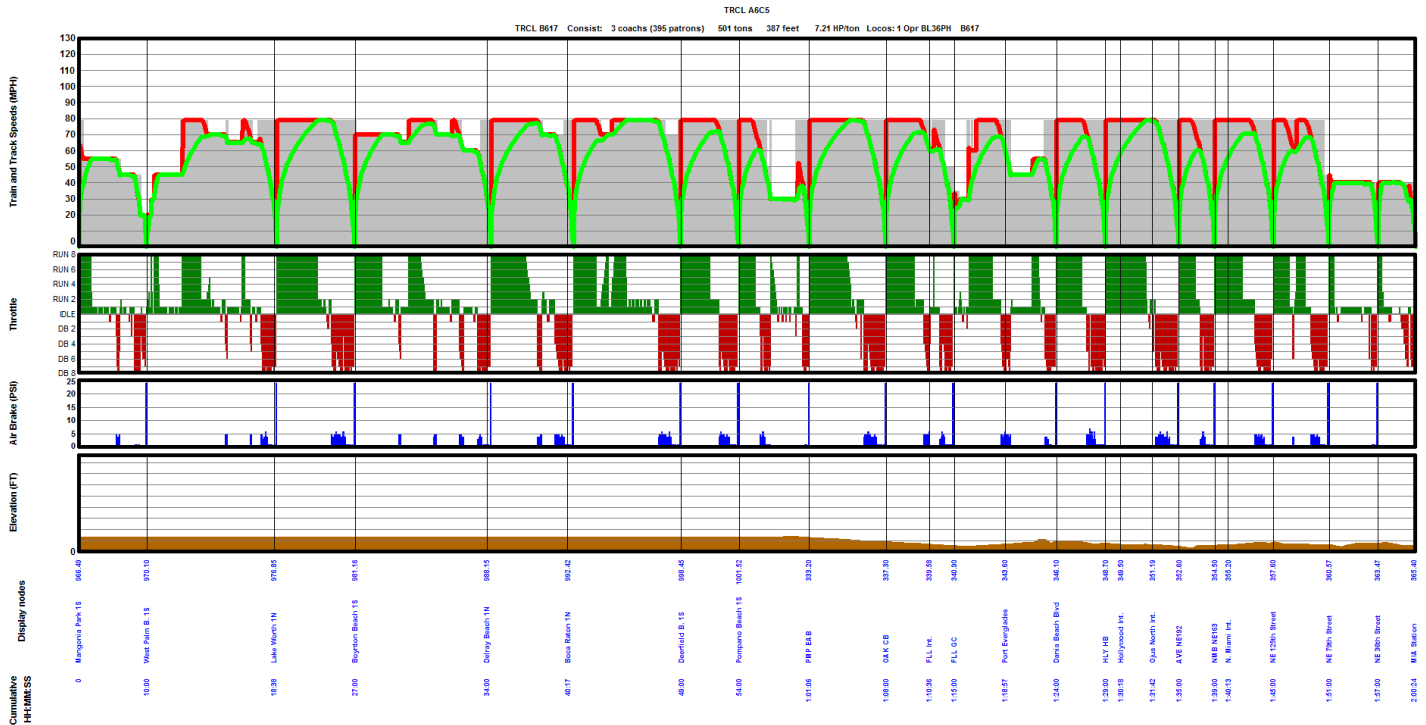


Figure D4 - Build Alternative Option B Northbound Black Line Downtown Miami to Mangonia Park

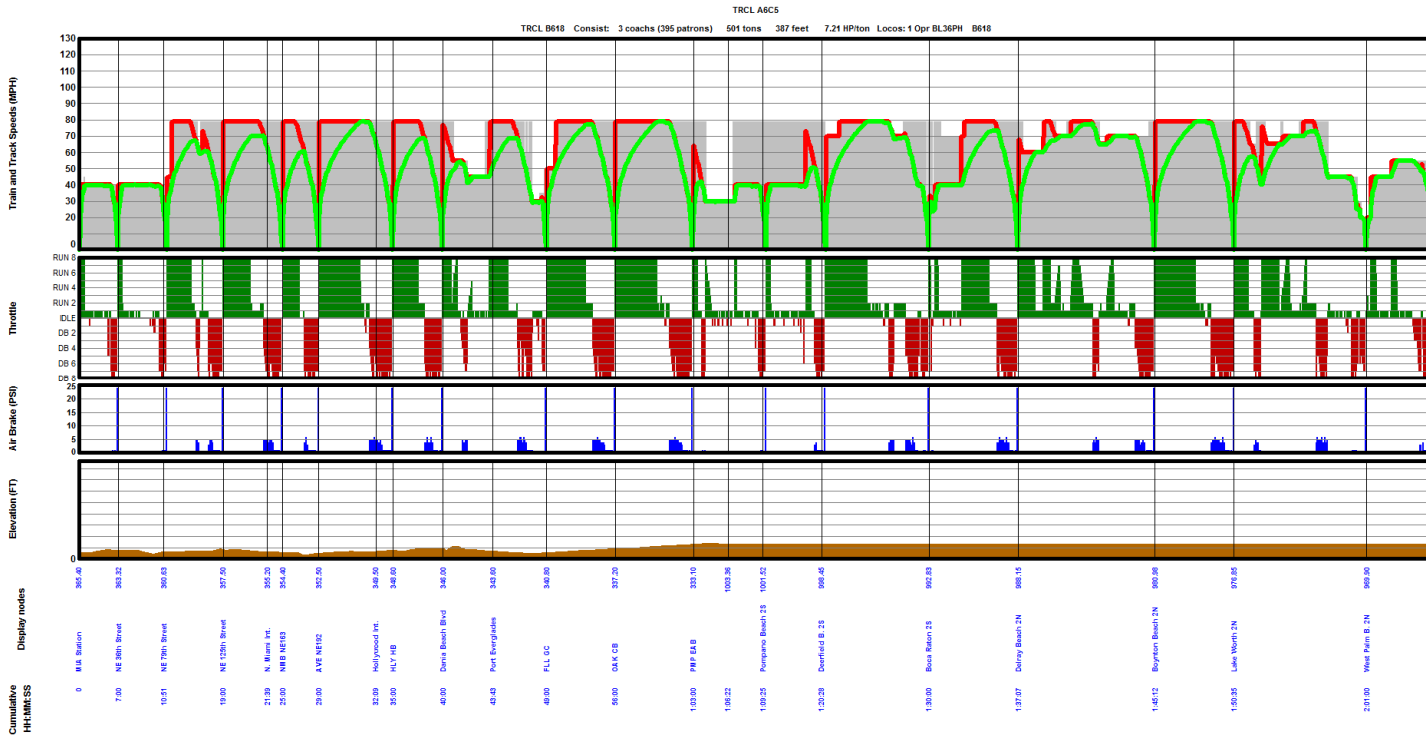


Figure D5 - Build Alternative Option B Southbound Green Line Jupiter to Fort Lauderdale

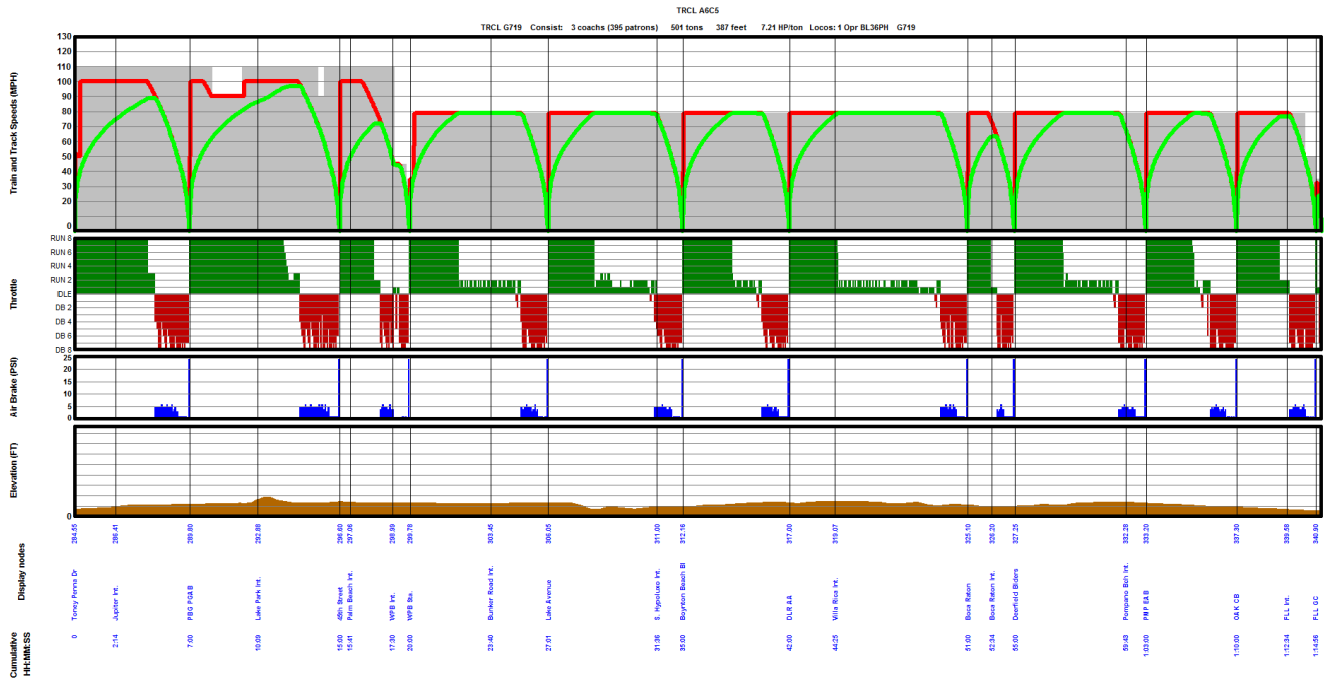
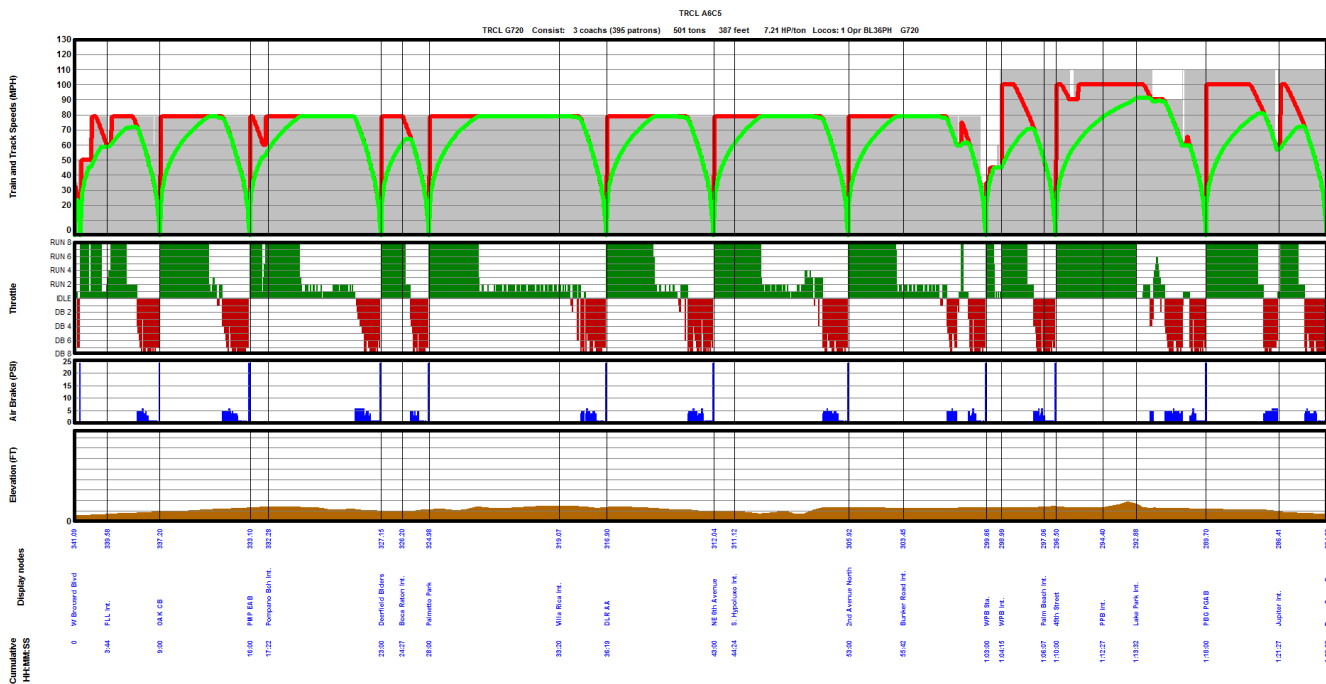


Figure D6 - Build Alternative Option B Northbound Green Line Fort Lauderdale to Jupiter





Appendix E: Build Alternative Option B Proposed Black Line Schedule

SFRC	MP	601	603	605	607	609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647
Mangonia	966.4	4:50	5:20	5:50	6:20	6:50	7:20	7:50	8:50	9:50	10:50	11:50	12:50	13:50	14:50	15:20	15:50	16:20	16:50	17:20	17:50	18:50	19:50	20:50	21:50
West Palm Beach	970.1	5:00	5:30	6:00	6:30	7:00	7:30	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	15:30	16:00	16:30	17:00	17:30	18:00	19:00	20:00	21:00	22:00
Lake Worth	977.0	5:11	5:41	6:11	6:41	7:11	7:41	8:11	9:11	10:11	11:11	12:11	13:11	14:11	15:11	15:41	16:11	16:41	17:11	17:41	18:11	19:11	20:11	21:11	22:11
Boynton Beach	981.2	5:17	5:47	6:17	6:47	7:17	7:47	8:17	9:17	10:17	11:17	12:17	13:17	14:17	15:17	15:47	16:17	16:47	17:17	17:47	18:17	19:17	20:17	21:17	22:17
Delray Beach	988.4	5:26	5:56	6:26	6:56	7:26	7:56	8:26	9:26	10:26	11:26	12:26	13:26	14:26	15:26	15:56	16:26	16:56	17:26	17:56	18:26	19:26	20:26	21:26	22:26
Boca Raton	992.6	5:31	6:01	6:31	7:01	7:31	8:01	8:31	9:31	10:31	11:31	12:31	13:31	14:31	15:31	16:01	16:31	17:01	17:31	18:01	18:31	19:31	20:31	21:31	22:31
Deerfield Beach	998.5	5:41	6:11	6:41	7:11	7:41	8:11	8:41	9:41	10:41	11:41	12:41	13:41	14:41	15:41	16:11	16:41	17:11	17:41	18:11	18:41	19:41	20:41	21:41	22:41
Pompano	1001.5	5:46	6:16	6:46	7:16	7:46	8:16	8:46	9:46	10:46	11:46	12:46	13:46	14:46	15:46	16:16	16:46	17:16	17:46	18:16	18:46	19:46	20:46	21:46	22:46
FEC	MP	601	603	605	607	609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647
FEC Main (Pompano + 3 miles)	332.1	5:48	6:18	6:48	7:18	7:48	8:18	8:48	9:48	10:48	11:48	12:48	13:48	14:48	15:48	16:18	16:48	17:18	17:48	18:18	18:48	19:48	20:48	21:48	22:48
Atlantic Blvd	333.2	5:52	6:22	6:52	7:22	7:52	8:22	8:52	9:52	10:52	11:52	12:52	13:52	14:52	15:52	16:22	16:52	17:22	17:52	18:22	18:52	19:52	20:52	21:52	22:52
Oakland Park	337.3	5:59	6:29	6:59	7:29	7:59	8:29	8:59	9:59	10:59	11:59	12:59	13:59	14:59	15:59	16:29	16:59	17:29	17:59	18:29	18:59	19:59	20:59	21:59	22:59
Fort Lauderdale	340.9	6:06	6:36	7:06	7:36	8:06	8:36	9:06	10:06	11:06	12:06	13:06	14:06	15:06	16:06	16:36	17:06	17:36	18:06	18:36	19:06	20:06	21:06	22:06	23:06
Dania Beach	346.1	6:15	6:45	7:15	7:45	8:15	8:45	9:15	10:15	11:15	12:15	13:15	14:15	15:15	16:15	16:45	17:15	17:45	18:15	18:45	19:15	20:15	21:15	22:15	23:15
Hollywood	348.7	6:20	6:50	7:20	7:50	8:20	8:50	9:20	10:20	11:20	12:20	13:20	14:20	15:20	16:20	16:50	17:20	17:50	18:20	18:50	19:20	20:20	21:20	22:20	23:20
193-203 St Aventura	352.6	6:26	6:56	7:26	7:56	8:26	8:56	9:26	10:26	11:26	12:26	13:26	14:26	15:26	16:26	16:56	17:26	17:56	18:26	18:56	19:26	20:26	21:26	22:26	23:26
163rd St	354.5	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:30	11:30	12:30	13:30	14:30	15:30	16:30	17:00	17:30	18:00	18:30	19:00	19:30	20:30	21:30	22:30	23:30
125th St	357.5	6:36	7:06	7:36	8:06	8:36	9:06	9:36	10:36	11:36	12:36	13:36	14:36	15:36	16:36	17:06	17:36	18:06	18:36	19:06	19:36	20:36	21:36	22:36	23:36
79th St	360.6	6:42	7:12	7:42	8:12	8:42	9:12	9:42	10:42	11:42	12:42	13:42	14:42	15:42	16:42	17:12	17:42	18:12	18:42	19:12	19:42	20:42	21:42	22:42	23:42
36th St	362.8	6:48	7:18	7:48	8:18	8:48	9:18	9:48	10:48	11:48	12:48	13:48	14:48	15:48	16:48	17:18	17:48	18:18	18:48	19:18	19:48	20:48	21:48	22:48	23:48
Miami Central	365.3	6:59	7:29	7:59	8:29	8:59	9:29	9:59	10:59	11:59	12:59	13:59	14:59	15:59	16:59	17:29	17:59	18:29	18:59	19:29	19:59	20:59	21:59	22:59	23:59
FEC	MP	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648
Miami Central	365.3	5:36	6:06	6:36	7:06	7:36	8:06	8:36	9:36	10:36	11:36	12:36	13:36	14:36	15:36	16:06	16:36	17:06	17:36	18:06	18:36	19:36	20:36	21:36	22:36
36th St	362.8	5:43	6:13	6:43	7:13	7:43	8:13	8:43	9:43	10:43	11:43	12:43	13:43	14:43	15:43	16:13	16:43	17:13	17:43	18:13	18:43	19:43	20:43	21:43	22:43
79th St	360.6	5:49	6:19	6:49	7:19	7:49	8:19	8:49	9:49	10:49	11:49	12:49	13:49	14:49	15:49	16:19	16:49	17:19	17:49	18:19	18:49	19:49	20:49	21:49	22:49
125th St	357.5	5:55	6:25	6:55	7:25	7:55	8:25	8:55	9:55	10:55	11:55	12:55	13:55	14:55	15:55	16:25	16:55	17:25	17:55	18:25	18:55	19:55	20:55	21:55	22:55
163rd St	354.5	6:01	6:31	7:01	7:31	8:01	8:31	9:01	10:01	11:01	12:01	13:01	14:01	15:01	16:01	16:31	17:01	17:31	18:01	18:31	19:01	20:01	21:01	22:01	23:01
193-203 St Aventura	352.6	6:05	6:35	7:05	7:35	8:05	8:35	9:05	10:05	11:05	12:05	13:05	14:05	15:05	16:05	16:35	17:05	17:35	18:05	18:35	19:05	20:05	21:05	22:05	23:05
Hollywood	348.7	6:11	6:41	7:11	7:41	8:11	8:41	9:11	10:11	11:11	12:11	13:11	14:11	15:11	16:11	16:41	17:11	17:41	18:11	18:41	19:11	20:11	21:11	22:11	23:11
Dania Beach	346.1	6:16	6:46	7:16	7:46	8:16	8:46	9:16	10:16	11:16	12:16	13:16	14:16	15:16	16:16	16:46	17:16	17:46	18:16	18:46	19:16	20:16	21:16	22:16	23:16
Fort Lauderdale	340.9	6:25	6:55	7:25	7:55	8:25	8:55	9:25	10:25	11:25	12:25	13:25	14:25	15:25	16:25	16:55	17:25	17:55	18:25	18:55	19:25	20:25	21:25	22:25	23:25
Oakland Park	337.3	6:32	7:02	7:32	8:02	8:32	9:02	9:32	10:32	11:32	12:32	13:32	14:32	15:32	16:32	17:02	17:32	18:02	18:32	19:02	19:32	20:32	21:32	22:32	23:32
Atlantic Blvd	333.2	6:39	7:09	7:39	8:09	8:39	9:09	9:39	10:39	11:39	12:39	13:39	14:39	15:39	16:39	17:09	17:39	18:09	18:39	19:09	19:39	20:39	21:39	22:39	23:39
FEC Main	332.1	6:42	7:12	7:42	8:12	8:42	9:12	9:42	10:42	11:42	12:42	13:42	14:42	15:42	16:42	17:12	17:42	18:12	18:42	19:12	19:42	20:42	21:42	22:42	23:42
SFRC	MP	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648
Pompano	1001.5	6:52	7:22	7:52	8:22	8:52	9:22	9:52	10:52	11:52	12:52	13:52	14:52	15:52	16:52	17:22	17:52	18:22	18:52	19:22	19:52	20:52	21:52	22:52	23:52
Deerfield Beach	998.5	6:58	7:28	7:58	8:28	8:58	9:28	9:58	10:58	11:58	12:58	13:58	14:58	15:58	16:58	17:28	17:58	18:28	18:58	19:28	19:58	20:58	21:58	22:58	23:58
Boca Raton	992.6	7:06	7:36	8:06	8:36	9:06	9:36	10:06	11:06	12:06	13:06	14:06	15:06	16:06	17:06	17:36	18:06	18:36	19:06	19:36	20:06	21:06	22:06	23:06	0:06
Delray Beach	988.4	7:11	7:41	8:11	8:41	9:11	9:41	10:11	11:11	12:11	13:11	14:11	15:11	16:11	17:11	17:41	18:11	18:41	19:11	19:41	20:11	21:11	22:11	23:11	0:11
Boynton Beach	981.2	7:20	7:50	8:20	8:50	9:20	9:50	10:20	11:20	12:20	13:20	14:20	15:20	16:20	17:20	17:50	18:20	18:50	19:20	19:50	20:20	21:20	22:20	23:20	0:20
Lake Worth	977.0	7:26	7:56	8:26	8:56	9:26	9:56	10:26	11:26	12:26	13:26	14:26	15:26	16:26	17:26	17:56	18:26	18:56	19:26	19:56	20:26	21:26	22:26	23:26	0:26
West Palm Beach	970.1	7:37	8:07	8:37	9:07	9:37	10:07	10:37	11:37	12:37	13:37	14:37	15:37	16:37	17:37	18:07	18:37	19:07	19:37	20:07	20:37	21:37	22:37	23:37	0:37
Mangonia	966.4	7:47	8:17	8:47	9:17	9:47	10:17	10:47																	



Appendix E: Build Alternative Option B Proposed Red Line Schedule

	MP	801	803	805	807	809	811	813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843	845	847
Boca Raton	992.6	5:36	6:06	6:36	7:06	7:36	8:06	8:36	9:36	10:36	11:36	12:36	13:36	14:36	15:36	16:06	16:36	17:06	17:36	18:06	18:36	19:36	20:36	21:36	22:36
Deerfield Beach	998.5	5:46	6:16	6:46	7:16	7:46	8:16	8:46	9:46	10:46	11:46	12:46	13:46	14:46	15:46	16:16	16:46	17:16	17:46	18:16	18:46	19:46	20:46	21:46	22:46
Pompano	1001.5	5:51	6:21	6:51	7:21	7:51	8:21	8:51	9:51	10:51	11:51	12:51	13:51	14:51	15:51	16:21	16:51	17:21	17:51	18:21	18:51	19:51	20:51	21:51	22:51
Cypress Creek	1006.6	5:58	6:28	6:58	7:28	7:58	8:28	8:58	9:58	10:58	11:58	12:58	13:58	14:58	15:58	16:28	16:58	17:28	17:58	18:28	18:58	19:58	20:58	21:58	22:58
Fort Lauderdale	1012.7	6:06	6:36	7:06	7:36	8:06	8:36	9:06	10:06	11:06	12:06	13:06	14:06	15:06	16:06	16:36	17:06	17:36	18:06	18:36	19:06	20:06	21:06	22:06	23:06
FL Airport	1016.6	6:12	6:42	7:12	7:42	8:12	8:42	9:12	10:12	11:12	12:12	13:12	14:12	15:12	16:12	16:42	17:12	17:42	18:12	18:42	19:12	20:12	21:12	22:12	23:12
Sheridan	1018.4	6:16	6:46	7:16	7:46	8:16	8:46	9:16	10:16	11:16	12:16	13:16	14:16	15:16	16:16	16:46	17:16	17:46	18:16	18:46	19:16	20:16	21:16	22:16	23:16
Hollywood	1019.8	6:20	6:50	7:20	7:50	8:20	8:50	9:20	10:20	11:20	12:20	13:20	14:20	15:20	16:20	16:50	17:20	17:50	18:20	18:50	19:20	20:20	21:20	22:20	23:20
Golden Glades	1027.4	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:30	11:30	12:30	13:30	14:30	15:30	16:30	17:00	17:30	18:00	18:30	19:00	19:30	20:30	21:30	22:30	23:30
Opa Locka	1030.2	6:35	7:05	7:35	8:05	8:35	9:05	9:35	10:35	11:35	12:35	13:35	14:35	15:35	16:35	17:05	17:35	18:05	18:35	19:05	19:35	20:35	21:35	22:35	23:35
Metrorail	1034.0	6:42	7:12	7:42	8:12	8:42	9:12	9:42	10:42	11:42	12:42	13:42	14:42	15:42	16:42	17:12	17:42	18:12	18:42	19:12	19:42	20:42	21:42	22:42	23:42
Hialeah Market	1036.2	6:47	7:17	7:47	8:17	8:47	9:17	9:47	10:47	11:47	12:47	13:47	14:47	15:47	16:47	17:17	17:47	18:17	18:47	19:17	19:47	20:47	21:47	22:47	23:47
MIA	1037.4	6:54	7:24	7:54	8:24	8:54	9:24	9:54	10:54	11:54	12:54	13:54	14:54	15:54	16:54	17:24	17:54	18:24	18:54	19:24	19:54	20:54	21:54	22:54	23:54
	MP	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848
MIA	1037.4	5:40	6:10	6:40	7:10	7:40	8:10	8:40	9:40	10:40	11:40	12:40	13:40	14:40	15:40	16:10	16:40	17:10	17:40	18:10	18:40	19:40	20:40	21:40	22:40
Hialeah Market	1036.2	5:44	6:14	6:44	7:14	7:44	8:14	8:44	9:44	10:44	11:44	12:44	13:44	14:44	15:44	16:14	16:44	17:14	17:44	18:14	18:44	19:44	20:44	21:44	22:44
Metrorail	1034.0	5:50	6:20	6:50	7:20	7:50	8:20	8:50	9:50	10:50	11:50	12:50	13:50	14:50	15:50	16:20	16:50	17:20	17:50	18:20	18:50	19:50	20:50	21:50	22:50
Opa Locka	1030.2	5:56	6:26	6:56	7:26	7:56	8:26	8:56	9:56	10:56	11:56	12:56	13:56	14:56	15:56	16:26	16:56	17:26	17:56	18:26	18:56	19:56	20:56	21:56	22:56
Golden Glades	1027.4	6:01	6:31	7:01	7:31	8:01	8:31	9:01	10:01	11:01	12:01	13:01	14:01	15:01	16:01	16:31	17:01	17:31	18:01	18:31	19:01	20:01	21:01	22:01	23:01
Hollywood	1019.8	6:11	6:41	7:11	7:41	8:11	8:41	9:11	10:11	11:11	12:11	13:11	14:11	15:11	16:11	16:41	17:11	17:41	18:11	18:41	19:11	20:11	21:11	22:11	23:11
Sheridan	1018.4	6:15	6:45	7:15	7:45	8:15	8:45	9:15	10:15	11:15	12:15	13:15	14:15	15:15	16:15	16:45	17:15	17:45	18:15	18:45	19:15	20:15	21:15	22:15	23:15
FL Airport	1016.6	6:19	6:49	7:19	7:49	8:19	8:49	9:19	10:19	11:19	12:19	13:19	14:19	15:19	16:19	16:49	17:19	17:49	18:19	18:49	19:19	20:19	21:19	22:19	23:19
Fort Lauderdale	1012.7	6:26	6:56	7:26	7:56	8:26	8:56	9:26	10:26	11:26	12:26	13:26	14:26	15:26	16:26	16:56	17:26	17:56	18:26	18:56	19:26	20:26	21:26	22:26	23:26
Cypress Creek	1006.6	6:34	7:04	7:34	8:04	8:34	9:04	9:34	10:34	11:34	12:34	13:34	14:34	15:34	16:34	17:04	17:34	18:04	18:34	19:04	19:34	20:34	21:34	22:34	23:34
Pompano	1001.5	6:40	7:10	7:40	8:10	8:40	9:10	9:40	10:40	11:40	12:40	13:40	14:40	15:40	16:40	17:10	17:40	18:10	18:40	19:10	19:40	20:40	21:40	22:40	23:40
Deerfield Beach	998.5	6:46	7:16	7:46	8:16	8:46	9:16	9:46	10:46	11:46	12:46	13:46	14:46	15:46	16:46	17:16	17:46	18:16	18:46	19:16	19:46	20:46	21:46	22:46	23:46
Boca Raton	992.6	6:57	7:27	7:57	8:27	8:57	9:27	9:57	10:57	11:57	12:57	13:57	14:57	15:57	16:57	17:27	17:57	18:27	18:57	19:27	19:57	20:57	21:57	22:57	23:57



Appendix E: Build Alternative Option B Proposed Green Line Schedule

0	MP	701	705	709	713	715	719	723	727	731	735	739	741	745
Toney Penna	284.3	4:46	5:46	6:46	7:46	8:46	10:46	12:46	14:46	15:46	16:46	17:46	18:46	20:46
PGA Blvd	289.8	4:53	5:53	6:53	7:53	8:53	10:53	12:53	14:53	15:53	16:53	17:53	18:53	20:53
WPB 45th Street	296.5	5:01	6:01	7:01	8:01	9:01	11:01	13:01	15:01	16:01	17:01	18:01	19:01	21:01
WPB Gov't Center	299.8	5:06	6:06	7:06	8:06	9:06	11:06	13:06	15:06	16:06	17:06	18:06	19:06	21:06
Lake Worth	306.2	5:11	6:11	7:11	8:11	9:11	11:11	13:11	15:11	16:11	17:11	18:11	19:11	21:11
Boynton Beach Blvd	312.3	5:19	6:19	7:19	8:19	9:19	11:19	13:19	15:19	16:19	17:19	18:19	19:19	21:19
Atlantic Ave	317.0	5:26	6:26	7:26	8:26	9:26	11:26	13:26	15:26	16:26	17:26	18:26	19:26	21:26
Palmentto Park Blvd	325.1	5:35	6:35	7:35	8:35	9:35	11:35	13:35	15:35	16:35	17:35	18:35	19:35	21:35
Hillsboro	327.3	5:39	6:39	7:39	8:39	9:39	11:39	13:39	15:39	16:39	17:39	18:39	19:39	21:39
Atlantic Blvd	333.2	5:47	6:47	7:47	8:47	9:47	11:47	13:47	15:47	16:47	17:47	18:47	19:47	21:47
Oakland Park	337.3	5:54	6:54	7:54	8:54	9:54	11:54	13:54	15:54	16:54	17:54	18:54	19:54	21:54
Ft Laud Gov't Center	340.9	6:08	7:08	8:08	9:08	10:08	12:08	14:08	16:08	17:08	18:08	19:08	20:08	22:08
		702	706	710	714	716	720	724	728	732	736	740	742	746
Ft Laud Gov't Center	340.9	6:30	7:30	8:30	9:30	10:30	12:30	14:30	16:30	17:30	18:30	19:30	20:30	22:30
Oakland Park	337.3	6:37	7:37	8:37	9:37	10:37	12:37	14:37	16:37	17:37	18:37	19:37	20:37	22:37
Atlantic Blvd	333.2	6:44	7:44	8:44	9:44	10:44	12:44	14:44	16:44	17:44	18:44	19:44	20:44	22:44
Hillsboro	327.3	6:51	7:51	8:51	9:51	10:51	12:51	14:51	16:51	17:51	18:51	19:51	20:51	22:51
Palmentto Park Blvd	325.1	6:56	7:56	8:56	9:56	10:56	12:56	14:56	16:56	17:56	18:56	19:56	20:56	22:56
Atlantic Ave	317.0	7:04	8:04	9:04	10:04	11:04	13:04	15:04	17:04	18:04	19:04	20:04	21:04	23:04
Boynton Beach Blvd	312.3	7:11	8:11	9:11	10:11	11:11	13:11	15:11	17:11	18:11	19:11	20:11	21:11	23:11
Lake Worth	306.2	7:21	8:21	9:21	10:21	11:21	13:21	15:21	17:21	18:21	19:21	20:21	21:21	23:21
WPB Gov't Center	299.8	7:31	8:31	9:31	10:31	11:31	13:31	15:31	17:31	18:31	19:31	20:31	21:31	23:31
WPB 45th Street	296.5	7:38	8:38	9:38	10:38	11:38	13:38	15:38	17:38	18:38	19:38	20:38	21:38	23:38
PGA Blvd	289.8	7:46	8:46	9:46	10:46	11:46	13:46	15:46	17:46	18:46	19:46	20:46	21:46	23:46
Toney Penna	284.3	7:58	8:58	9:58	10:58	11:58	13:58	15:58	17:58	18:58	19:58	20:58	21:58	23:58



Table E1 illustrates the proposed equipment cycling. Layover facilities are designated as follows:

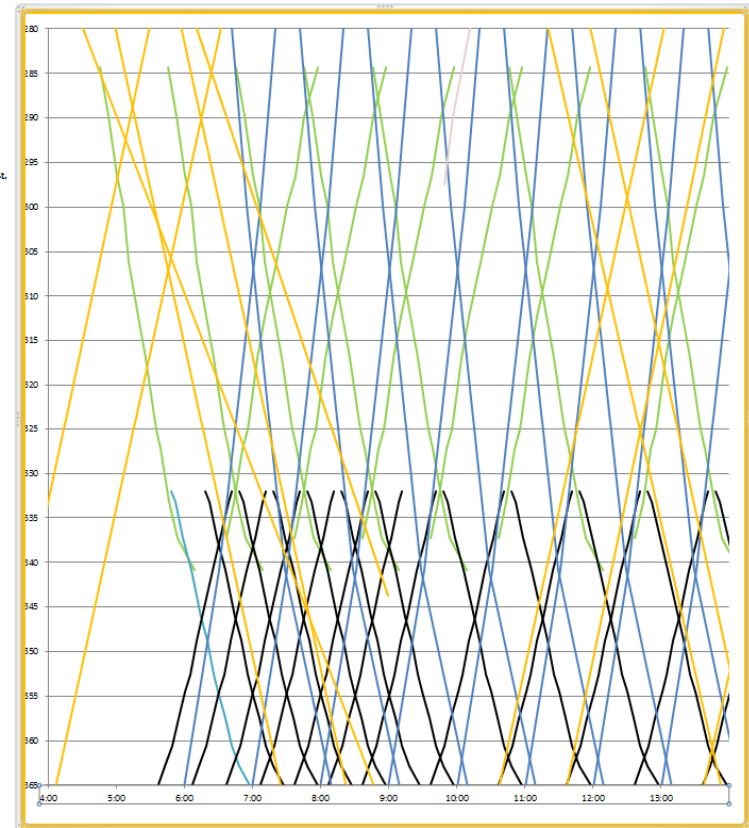
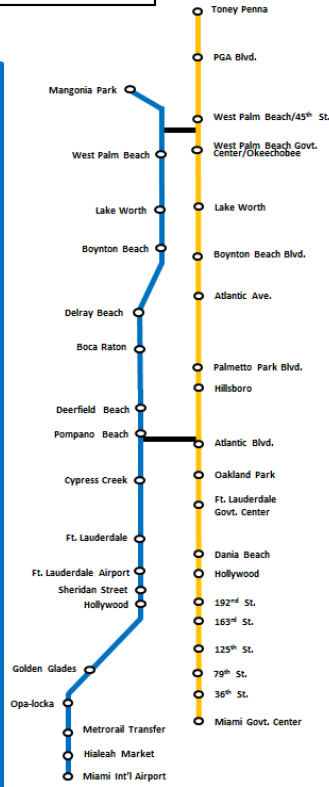
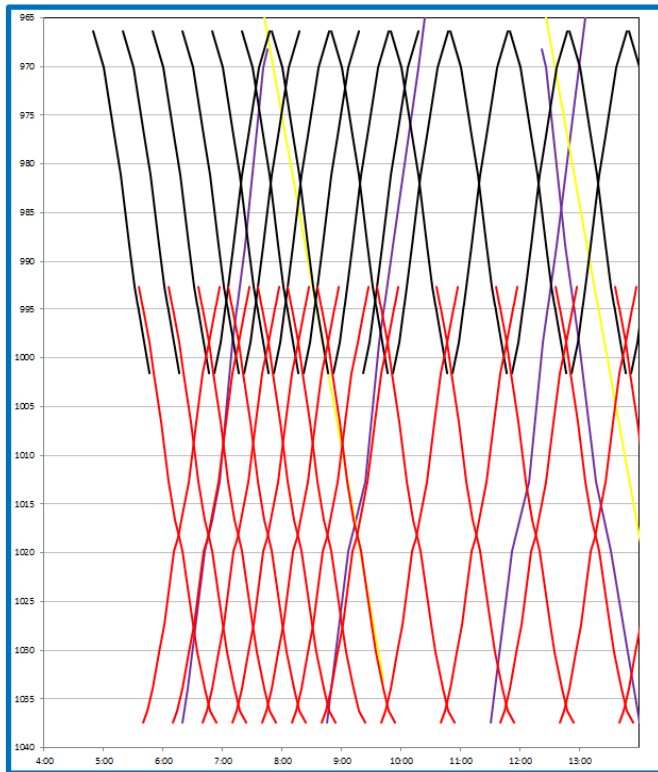
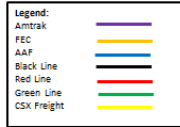
- BOC = Boca Raton
- WPB = West Palm Beach
- JUP = Jupiter
- HIA = Tri-Rail Hialeah Yard

Table E1- Build Alternative Option B Proposed Equipment Routing

Set	Stored	Midday													Stored	Trips		
A	HIA	802	809	816	819	824	827	836	841	846							BOC	9
B	HIA	804	811				HIA	830	837							HIA	4	
C	HIA	806	813	818			BOC	833								HIA	4	
D	HIA	808					BOC	821	826	831	840	843	848			BOC	7	
E	BOC	801	810	815	820	823	828	835	842	845						HIA	9	
F	BOC	803	812				BOC	829	838						BOC	4		
G	BOC	805	814	817	822	825	832	839	844	847						HIA	9	
H	BOC	807					HIA	834							BOC	2		
1	WPB	601	610				WPB	639	644							WPB	4	
2	WPB	603	612	619	624	633									HIA	5		
3	WPB	605	614	621	626	637									HIA	5		
4	WPB	607					HIA	630	641	646						WPB	4	
5	WPB	609	616	623	628										WPB	4		
6	WPB	611	625				HIA	634	643	648						WPB	5	
7	WPB	613	618	632											WPB	3		
8	HIA	602					WPB	631	640	647						HIA	4	
9	HIA	604	615	620	627	636									WPB	5		
10	HIA	606					WPB	635	642						WPB	3		
11	HIA	608	617	622	629	638	645								WPB	6		
W	JUP	701	702	715	716	723	724	735	736	745	746					JUP	10	
X	JUP	705	706				JUP	731	732						JUP	4		
Y	JUP	709	710	719	720	727	728	741	742						JUP	8		
Z	JUP	713	714				JUP	739	740						JUP	4		
		23	18	12	10	9	6	17	15	8	2	1	1	0	0	122	122	

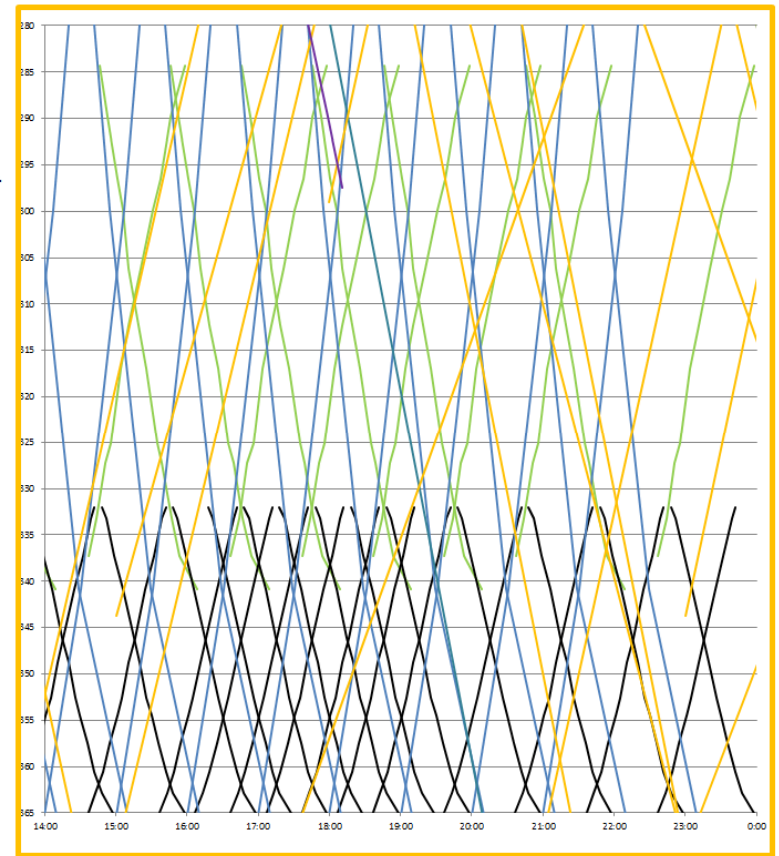
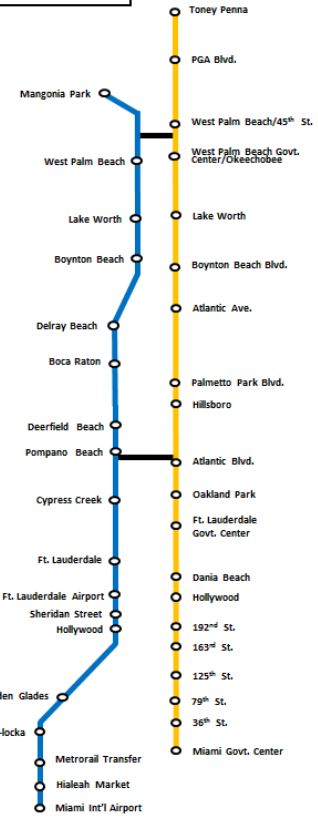
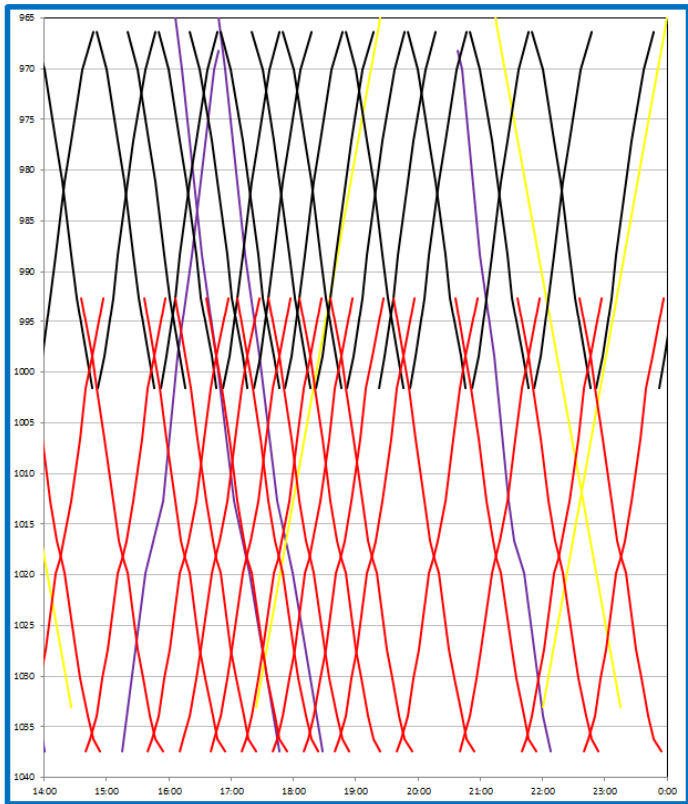
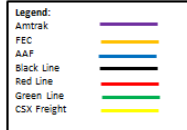
Appendix F: Build Alternative Option B Time Distance Graph 04:00 - 14:00

Time Distance Graphs SFRC - FEC 04:00 - 14:00



Appendix F: Build Alternative Option B Time Distance Graph 14:00 – 23:59

Time Distance Graphs SFRC - FEC 14:00 - 23:59





Appendix G: FEC Freight Schedule Southbound

SB	Frequency	Depart	Location	Arrive	Location	Length	Tonnage	HP	Intermediate Stops
101	Su – Sa	11:00	Bowden	20:15	Hialeah	9000	7500	10300	
103	Su – Sa	12:00	Bowden	21:30	Hialeah	9000	7500	10300	
105	Mo – Sa	13:30	Bowden	23:00	Hialeah	9000	9000	10300	
107	Su – Sa	15:00	Bowden	02:30	Hialeah	9000	7500	10300	
109	Su – Fr	16:45	Bowden	00:30	WPB	9000	9000	9000	
111	Su – Fr	17:30	Bowden	02:30	Ft Laud	9000	7500	10300	
119	Su – Fr	17:30	Cocoa	02:30	Port of Miami	9000	7500	10300	
115	Mo – Sa	20:00	Bowden	04:00	Fort Pierce	9000	9000	9000	Titusville City Point
117	Su – Th	21:00	Bowden	08:30	Port of Miami	9000	7500	10300	
121	Su – Sa	22:00	Bowden	08:30	Hialeah	9000	9000	10300	
123	Su – Fr	22:30	Bowden	09:00	Ft Laud	9000	7500	10300	Cocoa
125	Tu – Sa	03:00	Bowden	14:00	Medley	9000	9000	9000	New Smyrna Beach
127	Su – Sa	04:00	Bowden	14:30	Hialeah	9000	9000	9000	
335	Su - Th	23:00	City Point	09:00	Medley	10000	9000	10300	WPB



Appendix G: FEC Freight Schedule Northbound

NB	Frequency	Depart	Location	Arrive	Location	Length	Tonnage	HP	Intermediate Stops
202	Su – Sa	10:30	Hialeah	21:00	Bowden	9000	9000	10300	
204	Su – Sa	11:30	Hialeah	21:30	Bowden	9000	9000	10300	
206	Mo – Sa	13:30	Hialeah	03:00	Bowden	9000	9000	10300	
208	Su – Sa	15:00	Hialeah	02:30	Bowden	9000	7500	10300	
210	Su – Fr	17:00	Ft Laud	03:30	Bowden	9000	9000	10300	
212	Su – Fr	18:00	WPB	02:30	Bowden	9000	9000	9000	
214	Su – Th	21:00	Port of Miami	07:30	Bowden	9000	7500	10300	
216	Su – Th	17:30	Port of Miami	02:30	Cocoa	9000	7800	10300	
218	Mo – Sa	20:00	Ft Pierce	04:30	Bowden	9000	9000	9000	New Smyrna Titusville
220	Su – Fr	23:00	Ft Laud	08:30	Bowden	9000	7500	10300	
222	Su – Sa	23:00	Hialeah	09:30	Bowden	9000	7500	10300	
224	Tu - Sa	03:00	Hialeah	14:00	Bowden	9000	7500	9000	Titusville
226	Su – Sa	04:00	Hialeah	14:00	Bowden	7500	9000	9000	
336	Su - Th	23:00	Medley	09:00	City Point	7500	11400	10300	WPB



Appendix G: FEC Freight Schedule Southbound

Train	Frequency	Depart	Location	Intermediate	Dwell	Tonnage	Length
905	MoTuWeThFr	04:30	Bowden	Bayard Wilbur Wright Colfax Dorena	0:30 1:30 0:15 0:30	3000	2500
909	MoTuWeThFr	04:30	New Smyrna Beach	Port Orange Harwood Halifax Paving Rinker Ormond	0:45 0:15 0:30 0:30	0 1000 2500 2900	0 800 1800 2200
910A	Mo	08:00	New Smyrna Beach	Edgewater Lead Daytona Beach Harwood Halifax Paving Rinker Ormond	2:00 0:30 0:15 0:45 0:30	3000	2500
910B	TuWeThFr	09:00	New Smyrna Beach	Daytona Beach Harwood Halifax Paving Rinker Ormond	0:30 0:15 0:45 0:30	3000	2500
915	TuWeThFrSa	08:00	City Point	Bonaventure Titusville	2:00 0:45	1500 0	1500 0
920	SuMoTuWeTh	22:30	Ft Pierce	Vero Beach Rinker EauGallie Airlite Community Asphalt	0:35 2:00 0:30 0:45	3000	2500
925	MoTuWeThFr	0:30	Ft Pierce	Mars Jupiter	0:35 0:35	3000	2500
945	MoTuWeThFr	23:30	WPB	Lewis Terminals Port of Palm Beach	1:30 0:45	3000	2500
950	MoWe	16:00	WPB	Port of Palm Beach Villa Rica Delray Beach Lake Worth	1:00 2:00 0:15 0:20	2000	2500
960	MoTuWeFr	09:50	Andrews Yard	Pompano Beach Villa Rica Boca Raton Vida Appliance	2:00 0:15 0:15 0:20	1000	1000