Draft Report

# **Transit Signal Priority Evaluation**

### CONCEPT OF OPERATIONS DOCUMENT

Prepared for:

THE FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT 5 TRAFFIC OPERATIONS

719 South Woodland Boulevard DeLand, Florida 32720



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## **Table of Contents**

List	List of AcronymsVI				
Glo	Glossary VIII				
Doc	ume	nt Overview	X		
1.0	OVERVIEW		1		
	1.1	Identification	1		
	1.2	System Overview	29		
2.0	REF	FERENCED DOCUMENTATION	31		
3.0	0 CURRENT SYSTEM SITUATION				
	3.1	Background, Objectives, and Scope	31		
	3.2	Operational Constraints	32		
	3.3	Description of Current System	34		
	3.4	User Profiles	35		
	3.5	Support Environment	36		
4.0	JUSTIFICATION AND NATURE OF THE CHANGES				
	4.1	Justification for Change	37		
	4.2	Description of the Desired Changes	38		
	4.3	Change Priorities	38		
	4.4	Changes Considered but Not Included	39		
	4.5	Assumptions and Constraints	40		
5.0	CO	NCEPTS FOR PROPOSED SYSTEM	40		
	5.1	Background, Objectives and Scope	41		
	5.2	Operational Constraints	41		
	5.3	Description of the Proposed System	42		
	5.4	Modes of Operation	43		
	5.5	Users Involvement and Interaction	47		
	5.6	Support Environment	47		
6.0	OPERATIONAL SCENARIOS				
7.0	SUMMARY OF IMPACTS				
8.0	ANALYSIS OF THE PROPOSED SYSTEM				
9.0	MEASURES OF EFFECTIVENESS (MOE)52				
10.0	NO	TES	54		

## **List of Figures**

Figure 1 - Project Map of Link 14	4
Figure 2 - Project Map of Links 18 & 418	5
Figure 3 - Project Map of Link 42	6
Figure 4 - Project Map of Link 443	7
Figure 5 - Project Map of Links 1 & 9	8
Figure 6 - Project Map of Link 102	9
Figure 7 - Project Map of Link 40	10
Figure 8 - Project Map of Link 45	11
Figure 9 - Project Map of Link 46E	12
Figure 10 - Project Map of Link 21	13
Figure 11 - Project Map of Links 8, 42, & 111	15
Figure 12 - Project Map of Link 11	16
Figure 13 - Project Map of Links 28, 29, & 104	17
Figure 14 - Project Map of Links 48, 49, & 105	18
Figure 15 - Project Map of Link 102	19
Figure 16 - Project Map of Link 434-1	20
Figure 17 - Project Map of Link 434-2	21
Figure 18 - Project Map of Link 434-3	22
Figure 19 - Project Map of Link 436N	23
Figure 20 - Project Map of Link 30/31v	24
Figure 21 - Project Map of Link 125	26
Figure 22 - Project Map of Link 104	27
Figure 23 - Project Map of Links 32 & 33	28
Figure 24 - Transit Signal Priority (TSP) Architecture	42
Figure 25 - TSP System Components and Communications	44
Figure 26 - Transit Signal Priority (TSP) Service Request/Decision Diagram	46
Figure 27 - Operational TSP Scenarios (Source GTT Opticom <sup>™</sup> GPS)	48

### List of Acronyms

- AADT Annual Average Daily Traffic
- APC Automated Passenger Counter
- APL Approved Products List
- ATMS Advanced Traffic Management System
- AVL Automated Vehicle Location
- CAD Computer Aided Dispatch
- ConOps Concept of Operations
- EMS Emergency Medical Services
- FDOT Florida Department of Transportation
- FHP Florida Highway Patrol
- FHWA Federal Highway Administration
- FO Fiber Optic
- FOC Fiber Optic Cable
- FTA Federal Transit Administration
- FY Fiscal Year
- GPS Global Positioning System
- HTML Hypertext Markup Language
- IT Information Technology
- ITS Intelligent Transportation System
- LYNX Central Florida Regional Transportation Authority
- MOE Measure of Effectiveness
- MOU Memorandum of Understanding
- NITSA National ITS Architecture
- NTCIP National Transportation Communications for ITS Protocol
- O&M Operation & Management
- PAS Passenger Advisory Signs
- RFP Request for Proposal
- PRG Priority Request Generation

- RITSA Regional ITS Architecture
- ROW Right Of Way
- RPG Response Plan Generator
- RTMC Regional Transportation Management Center
- RWIS Road Weather Information System
- SEMP Systems Engineering Management Plan
- SITSA Statewide Intelligent Transportation System Architecture
- SLRTP Statewide Long-Range Transportation Plan
- TMC Traffic Management Center
- TPO Transportation Planning Organization
- TSP Transit Signal Priority
- U.S. DOT United States Department of Transportation
- VOTRAN Volusia County Public Transit System

## Glossary

Backbone: The primary communication medium of the subsystem.

**Collaboration:** Any cooperative effort between and among governmental entities (as well as with private partners) through which the partners work together to achieve common goals. Such collaboration can range from very informal ad hoc activities to more planned, organized, and formalized ways of working together. The collaborative parties work toward mutual advantage and common goals. They share a sense of common purpose, leverage resources to yield improved outcomes, and bridge traditional geographic, institutional, and functional boundaries.

**Concept of Operations:** A Concept of Operations is a high-level description of what the major system capabilities of a system will be, written so that people with a wide range of technical backgrounds may easily understand it. The Concept of Operations attempts to answer the following questions:

*What –* The known elements and the high-level capabilities of the system;

Where - The geographical and physical extents of the system;

*When* – The time sequence of activities that will be performed;

*How* – Resources needed to design, build, and operate the system;

*Who* – The stakeholders involved with the system, and their respective responsibilities;

*Why* – Justification for the system, identifying what the agency currently lacks that the system will provide; and

*Measures of Success* – The performance measures used in determining how well the transportation system is achieving the desired or expected outcomes.

**Congestion:** Congestion is travel time or delay in excess of that normally incurred under light or free-flow travel conditions.

**Communications:** For the purposes of the project, communications includes conduit, fiber optic cable, and any other ancillary communication components.

**Field Device:** Any component in the field that will be utilized as part of the transit signal priority system.

**Integration:** To make into a whole by bringing all project subsystems together to create an operable ITS network.

**Intelligent Transportation System (ITS):** The application of advanced electronics, computers, communications, and sensor technologies – in an integrated manner – to increase the efficiency and safety of the surface transportation network.

Intermodal: The ability to connect, and connections between, modes of transportation.

**Interoperability:** The ability of two or more systems or components to exchange information and to use the information that has been exchanged.

**ITS Architecture:** A framework within which interrelated systems can be built that work together to deliver transportation services.

**Maintenance:** The preservation (preventative and corrective) of infrastructure. The preservation of the entire transportation infrastructure (e.g., highway, transit line), including surface, shoulders, roadsides, structures, and such traffic-control devices as are necessary for safe and efficient utilization of the highway/transit line.

**Multimodal:** The availability of transportation options using different modes within a system or corridor.

**National ITS Architecture:** A common framework for ITS interoperability that defines: 1) the functions associated with intelligent transportation system user services; 2) the physical entities or subsystems within which the functions reside; 3) the data interfaces and information flows between physical subsystems; and 4) the communications requirements associated with the information flows.

**Operational Concept** (in ITS architecture): Identifies the roles and responsibilities of participating agencies and stakeholders.

**Operational Integration:** The implementation of multiagency transportation management strategies, often in real-time, that promote information sharing and cross-network coordination and operations among the various transportation networks in the corridor regions, and facilitate management of the total capacity and demand of the corridor region.

**Operations:** All decision-making and actions necessary for the proper functioning of a system, such as information gathering (from a variety of sources), synthesis and processing, and dissemination and distribution of the decisions and information to traffic control equipment, other agencies and decision-makers (including those associated with maintenance activities), and the public.

**Regional ITS Architecture:** A regional framework for ensuring institutional agreement and technical integration for the implementation of ITS projects or groups of projects.

**SunGuide®:** An advanced traffic management system (ATMS) software that is used at all regional traffic management centers (RTMCs) within Florida.

**Systems Engineering:** A process incorporating a set of management and technical tools to analyze problems and provide structure to projects from planning, system development and design, construction, operations, and maintenance. A requirements-driven process in which user requirements are the overriding determinant of system design, component selection, and implementation.

### **Document Overview**

The purpose of this document is to clarify what the proposed TSP system will do and how it will be used along the proposed transit corridors. The goals, objectives, and measures of effectiveness (MOEs) of the proposed TSP system have been defined using the input of the project stakeholder team.

The following lists the sections that are included:

- Section 1 Overview
- Section 2 Referenced Documentation
- Section 3 Current System Situation
- Section 4 Justification and Nature of the Changes
- Section 5 Concepts for the Proposed System
- Section 6 Operational Scenarios
- Section 7 Summary of Impacts
- Section 8 Analysis of the Proposed System
- Section 9 Measures of Effectiveness (MOE)
- Section 10 Notes

#### 1.0 OVERVIEW

This section of the Concept of Operations (ConOps) document provides an overview of the Transit Signal Priority Study along the corridors within the SunRail stations which was requested by the District Five Traffic Operations office. As this ConOps is being developed during the early planning and feasibility study for the various stages it will be presented from a higher level view (For the stages that are not yet in design) than a ConOps for a well-defined project. However, the ConOps will contain all sections found in the standard Florida ConOps with the document being updated as the project evolves. Four elements are described in the following sections, including:

- System identification;
- An overview of the ConOps document;
- A high-level overview of the possible options for implementation of Transit Signal Priority (TSP) within the SunRail stations along specified corridors; and
- A brief description of the scope of effort it would take to bring the system from the current state to the final future state.

#### 1.1 Identification

This document will serve as the ConOps for the District Five Traffic Operations Office for the Transit Signal Priority Study along the transit corridors within the SunRail stations in Central Florida. This is a living document and must be updated as this project evolves or is discontinued due to infeasibility. The ConOps specifically describes the potential impact of TSP for LYNX, a bus system run by the Central Florida Regional Transportation Authority, and VOTRAN, Volusia County Public Transit System. A total of thirty-nine (39) potential transit corridors serving the existing and proposed SunRail stations have been identified for TSP implementation. The project will serve as an evaluation and implementation tool with defined goals, objectives and effectiveness of a TSP system within the 39 potential transit corridors.

The Transit Signal Priority project is divided into three phases. Phases 1 and 2 will occur in years 2015 and 2016, respectively. During these two Phases, the design and implementation of a TSP system will be integrated along bus routes that have a direct connection to currently operating SunRail stations (DeBary Station to Sand Lake Road Station). Phase 3 will occur in year 2017 and will focus on the design and implementation of a TSP system along bus routes serving future SunRail stations in Osceola County. Four new Osceola County stations will be served by SunRail by the end of 2016 under the SunRail Phase 2 South Extension project. SunRail expansion in Volusia County is also planned to the DeLand Station; however, this is currently not funded for construction.

Meetings with stakeholders comprised of local and state agencies were held to discuss alternative TSP technologies for the project and address any concerns. Seven (7) Signal Maintaining Agencies and one (1) private contractor have been identified for the three Phases:

- 1) Orange County
- 2) Seminole County (Control Specialists maintains one (1) signal in Seminole County)
- 3) Volusia County
- 4) City of Orlando
- 5) City of Winter Park
- 6) City of Maitland
- 7) City of Kissimmee (maintains all signals in Osceola County)

During the meetings with stakeholders, objective and goals were identified. The primary objectives of TSP are to (1) reduce transit vehicle travel times – potentially reducing the number of buses required, and (2) reduce transit schedule variability – make bus time-points more reliable, while at the same time minimizing the impact to 'conventional' traffic using the same road network

#### Phase 1

A total of twelve (12) transit corridors and 134 intersections are prioritized for Phase 1 TSP implementation. The twelve corridors and the associated bus routes are identified below:

- Link 14 (Calvary Towers) from US 17-92/Minnesota Ave intersection to Winter Park SunRail station.
- Link 18 (S. Orange Ave) from Fairway Woods Blvd to Sand Lake SunRail Station. Serves LYNX Central, Sand Lake, Orlando Health, Osceola Pkwy, and Kissimmee SunRail stations.
- Link 418 (SR 417) from Fairway Woods Blvd to Sand Lake SunRail Station. Serves Meadow Woods and Sand Lake SunRail stations.
- Link 42 (International Dr/Sand Lake Rd) from International Dr to Rio Grande Ave. Serves Sand Lake SunRail station.
- Link 443 (Clarcona Ocoee Rd/Lee Rd) along route from US 17-92/Lee Rd intersection to Winter Park SunRail Station, on to Florida Hospital Winter Park.
- Link 9 (Kennedy Blvd) from US 17/92/Lake Ave intersection to Winter Park SunRail Station.
- Link 1 (Wymore Rd) from US 17/92/Lake Ave intersection to Winter Park

SunRail Station. Serves Altamonte Springs and Winter Park SunRail stations.

- Link 102 (S. US 17-92) along route from Orange Ave (one-way pair with Magnolia Ave)/Livingston Ave intersections to Winter Park SunRail Station onto US 17/92/Lake Ave intersection. Serves Winter Park, Maitland, Florida Hospital, and LYNX Central SunRail stations.
- Link 40 (Americana Blvd) from Universal Orlando Employment Center to Michigan St/Division Ave intersection. Serves LYNX Central and Orlando Health SunRail stations.
- Link 45 (Lake Mary Blvd) along entire route excluding the Lake Emma Loop. Serves Lake Mary SunRail station.
- Link 46E (East SR 46) from SR 46/Airport Blvd intersection to Celery Ave/Mellonville Ave intersection. Serves Sanford SunRail station.
- Link 21 from Turkey Lake Rd/Universal Studios Plaza intersection to Central Blvd/Orange Blossom Trail. Serves LYNX Central, Valencia College West Campus, and Washington Shores Superstop.

All bus routes are primarily urban type arterial roadways that provide access to SunRail stations. **Figures 1-10** show maps of each of the twelve (12) proposed TSP transit areas for Phase 1. The bus route schedules are shown in the **Appendix**.



Figure 1 - Project Map of Link 14



Figure 2 - Project Map of Links 18 & 418



Figure 3 - Project Map of Link 42



Figure 4 - Project Map of Link 443



Figure 5 - Project Map of Links 1 & 9



Figure 6 - Project Map of Link 102



Figure 7 - Project Map of Link 40



Figure 8 - Project Map of Link 45



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Figure 9 - Project Map of Link 46E



Figure 10 - Project Map of Link 21

#### Phase 2

A total of fourteen (14) transit corridors and 154 intersections are prioritized for Phase 2 TSP implementation. The fourteen corridors are identified below:

- Link 8 along International Drive from Carrier Drive to Oak Ridge Rd combined with Link 42.
- Link 11 along Orange Ave from Sand Lake Rd to Gore St
- Link 28 (SR 50) from Orange Ave to SR 436 combined with Links 104 and 29.
- Link 29 (SR 50) from Orange Ave to Goldenrod Rd combined with Links 104 and 28.
- Link 42 along International Dr from Carrier Dr to Oak Ridge Rd combined with Link 8; Sand Lake Rd from Chancellor Dr to SR 436 (OIA).
- Link 48 (SR 50) from Garland Ave to Hiawassee Rd- combined with Links 105 and 49.
- Link 49 (SR 50) from Garland Ave to Pine Hills Rd combined with Links 105 and 48.
- Link 102 along US 17-92 from Kennedy Blvd to Fernwood Blvd/Oxford Rd intersection.
- Link 104 along Amelia St from LCS to Orange Ave, and on Orange Ave from Amelia St to SR 50, and on SR 50 from Orange Ave to Goldenrod Rd combined with Links 48 and 49.
- Link 105 along Amelia St from LCS to Orange Blossom Trail, and on SR 50 from Orange Blossom Trail to Hiawassee Rd combined with Links 28 and 29.
- Link 111 Sand Lake Rd from Orange Blossom Trail to OIA.
- Link 434 (SR 434) along all signals on SR 434 from SR 434/Lotus Landing Blvd to SR 434/Sanlando Center Office Park, from SR 434/Raymond Ave to SR 434/US 17/92, and from SR 434/Mitchell Hammock Rd to SR 434/University Blvd, and University Blvd/Gemini Blvd.
- Link 436N (SR 436) from SR 434 to Fern Park Super Stop, excluding I-4 intersections.
- Route 31 along US 17/92 from DeBary SunRail station to Howry Ave.

All bus routes are primarily urban type arterial roadways that provide main and secondary access to SunRail stations. **Figures 11-20** show maps of each of the fourteen proposed TSP corridors and their corresponding bus routes for Phase 2. The bus schedules are shown in the **Appendix**.



Figure 11 - Project Map of Links 8, 42, & 111

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Figure 12 - Project Map of Link 11



Figure 13 - Project Map of Links 28, 29, & 104



Figure 14 - Project Map of Links 48, 49, & 105



Figure 15 - Project Map of Link 102



Figure 16 - Project Map of Link 434-1



Figure 17 - Project Map of Link 434-2



Figure 18 - Project Map of Link 434-3



Figure 19 - Project Map of Link 436N

Transit Signal Priority Evaluation: Concept of Operations and System Requirements FPID # 237984-1-32-14



Figure 20 - Project Map of Route 31

#### Phase 3

A total of thirteen (13) potential transit corridors and 43 signalized intersections are currently identified for Phase 3 TSP implementation. These bus routes may change as the draft SunRail Phase 2 South Feeder Bus Plan dated July 2, 2014, is finalized. The thirteen preliminary corridors are identified below:

#### **Identified Bus Routes**

- Link 125 along the route from John Young Pkwy/Princeton St to Florida Hospital SunRail station.
- Link 104 along the route from SR 50/Goldenrod Rd to UCF
- Route 32 along the route from Saxon Blvd/US 17/92 to Tivoli Dr combined with Links 33.
- Route 33 the route from Saxon Blvd/US 17/92 to Normandy Blvd combined with Links 32.

#### Potential SunRail Phase 2 South Extension Feeder Bus Routes

- Link 10 (Bus route limits to be identified).
- Link 18 (Bus route limits to be identified).
- Link 26 (Bus route limits to be identified).
- Link 55 (Bus route limits to be identified).
- Link 56 (Bus route limits to be identified).
- Link 57 (Bus route limits to be identified).
- Link 108 (Bus route limits to be identified).
- Link 306 (Bus route limits to be identified).
- Link 441 (Bus route limits to be identified).

All bus routes are primarily urban type arterial roadways that provide main and secondary access to SunRail stations. **Figures 21-23** show maps of each of the identified four proposed TSP bus routes for Phase 3. The bus schedules are shown in the **Appendix**.



Figure 21 - Project Map of Link 125


Figure 22 - Project Map of Link 104



Figure 23 - Project Map of Routes 32 & 33

# 1.2 System Overview

The Transit Signal Priority Study along the corridors within the SunRail stations was commissioned by the District Five Traffic Operations Office in order to assist in determining the need for transit signal priority (TSP), identifying possible transit corridors, evaluating the effectiveness of a TSP system, generating a TSP design, and successfully implementing a TSP system within the identified bus routes connected to the SunRail stations. The TSP system will be capable of providing transit vehicles an extended green or reduced red at signalized intersections under certain pre-defined conditions (e.g., late arriving bus only) or, simply adjusts (retimings) the signal system to favor transit speeds and patterns. It is noted that in order to reduce the impact to side street traffic, the implementation of TSP for the transit service will need to be tied to the transit systems schedule adherence at the time of a TSP request.

#### **Transit Signal Priority (TSP)**

TSP is accomplished by detecting a bus as it approaches the intersection and advising the traffic signal controller that a bus is approaching and TSP is being requested (Check-in). The traffic signal controller then applies its internal algorithm to make adjustments to service the bus within the timing constraints of the signal operation. When the bus clears the intersection, the bus checks-out, effectively terminating the TSP request.

As defined in the *Transit Signal Priority (TSP): a Planning and Implementation Handbook;* 

"TSP is an operational strategy that facilitates the movement of transit vehicles (usually those in service), either buses or streetcars (including BRT and LRT), through traffic-signal controlled intersections." (USDOT, FTA, 2005, Page 4).

The two primary objectives of TSP as a part of a traffic signal operational strategy are:

- Reduced bus delays without significant impacts to signal system operations.
- Improved schedule adherence by reducing total travel times.

Transit Signal Priority (TSP) gives transit vehicles an extended green or reduces the red, under pre-defined conditions, if the bus cannot be served during the green or extended green time at signalized intersections. The pre-defined conditions include maximum extensions or truncations and are dependent on the status of the bus (e.g., late arriving buses only). This allows for more reliable bus travel times and improved schedule adherence.

At this time, this ConOps concentrates primarily on Phase 1 and Phase 2 of the TSP project, specifically with signalized intersections within Orange County,

Seminole County, Volusia County, City of Orlando, City of Winter Park, and City of Maitland. While some of the signalized intersections in Phase 3 have already been identified, the remaining will be based on the approved SunRail Phase 2 South Feeder Bus Plan.

# 2.0 **REFERENCED DOCUMENTATION**

Documentation that is relevant to the TSP along the primary feeder routes to the SunRail station is listed below:

- Intelligent Transportation Society of America (ITSA), "Overview of Transit Signal Priority", Washington DC, 2004.
- United States Department of Transportation, Federal Transit Administration "Transit Signal Priority: A Planning and Implementation Handbook." 2005
- "Technical Memorandum 1: Goals, Objectives, and Needs Assessment for Rapid Transit System (RTS) Transit Signal Priority", Sabra, Wang & Associates, Inc. September 2013.

# 3.0 CURRENT SYSTEM SITUATION

This section describes the existing systems in the project area, the current system situation, constraints and issues that this TSP project will improve.

# 3.1 Background, Objectives, and Scope

As previously stated, the TSP project is divided into three Phases. Coordination with all stakeholders is a key element for the execution of a successful project. The stakeholders were divided into two (2) bus transit systems (LYNX and VOTRAN), one (1) railroad system (SunRail), and seven (7) signal maintaining agencies and one (1) private entity: Orange County, Seminole County, Volusia County, City of Orlando, City of Winter Park, City of Maitland, and City of Kissimmee (maintains all signals in Osceola County). The traffic signals for Orange County, Seminole County, the City of Kissimmee, and the City of Orlando communicate with their respective traffic management centers using a fiber optic network with Ethernet switches. It is important to note that the primary objective of these signals is to facilitate the flow of general traffic. While TSP is a tool that can be used to make transit service more reliable, faster and more cost effective; they can also have a positive effect on traffic flow that is moving in the direction of the transit services.

The Phase 1 TSP bus route prioritization was based on AVL and APC data, which were analyzed to obtain segment schedule deviation, on-time performance, and passenger load information on LYNX bus routes. The bus routes were first ranked by high, medium or low based on average segment schedule deviation, overall on-time performance, and average passenger load for each bus route during typical weekday AM and PM. Comments from LYNX staff, SunRail staff, signal maintaining agencies, and FDOT were also taken into consideration to refine the recommended TSP intersections. A total of 172

signalized intersections along twelve (12) transit corridors were identified for TSP implementation. Nine (9) of the 172 signalized intersections are currently max'd-out (no green time sharing) and three (3) intersections are within the limits of the I-4 Construction Project. In addition, bus route 434, which included 25 signalized intersections, was reassigned to Phase 2, while bus route 21 was moved forward to Phase 1. Therefore, a total of 134 signalized intersections were analyzed as a part of the Transit Signal Priority Phase 1 Study serving as primary connectors to the SunRail stations.

Phase 2 focused on expanding the TSP coverage to bus routes serving existing SunRail stations not covered in Phase 1, as well as bus routes on high priority corridors. Similar to Phase 1, the goal in Phase 2 is to reduce bus travel times and improve bus on-time performance. This phase expanded the TSP area to the Debary SunRail in Volusia County. Based on discussion with LYNX, VOTRAN, and FDOT, a total of 154 signalized intersections and 14 bus routes were identified for this Phase, which included 20 intersections in Volusia County and 4 VOTRAN transit routes. Two of the 3 VOTRAN bus routes were moved to Phase 3, while VOTRAN bus routes 30 and 31 were consolidated into Route 31 at the end of 2014. Similar to TSP Phase 1, AVL and APC data were analyzed to obtain segment schedule deviation, on-time performance, and passenger load information on LYNX and VOTRAN bus routes. This information, along with comments from LYNX and VOTRAN staff, was used to identify the transit route limits of TSP Phase 2.

A total of 13 potential bus routes are currently identified for TSP implementation in Phase 3. The focus of this phase is to expand the coverage of TSP to bus routes serving future SunRail stations in Osceola County under the SunRail Phase 2 South Extension project. Similar to Phases 1 and 2, the goal in Phase 3 is to reduce bus travel times and improve bus on-time performance. LYNX bus routes 125, 104, and VOTRAN routes 32 and 33, previously considered in Phase 2, are included in Phase 3. In addition, potential bus routes included in the bus feeder plan to serve the future SunRail stations in Osceola County are also being considered. These bus routes may change as the bus feeder plan is finalized.

## 3.2 **Operational Constraints**

This section describes the operational constraints of current systems, including the traffic signal system and the transit system.

The operational constraints of the existing transit system are identified based on coordination meetings with LYNX, VOTRAN, railroad crossings, school zones, field observations and current/proposed construction projects (I-4, new signals, etc.) The constraints include:

- Route 434 may have several route changes. First, LYNX is considering serving the Longwood station with a bus stop on SR 434 due to the time lost with the bus entering and exiting the station.
- The section of SR 434 (Alafaya Trail) from UCF to Oviedo will be implementing the In-Sync adaptive control signal system.
- Route 46E LYNX noted this area has short cycle lengths and some sections with a 15 mph speed limit. Also noted, were potential issues with the signal loop condition in areas of brick and concrete pavement.
- Route 42 needs to consider the OIA Refresh Alternatives Analysis currently being conducted from OIA to the west. Some of the alternative alignments use the same routing as Route 42.
- VOTRAN Route 30 and 31 merged into one route (Route 31)
- VOTRAN is currently using Avail Technologies AVL system, where bus lateness thresholds are stored in a database.
- LYNX is currently using a Mentor Engineering (Ranger) AVL system by Trapeze. The new AVL system will be by Clever Devices.
- In the Clever AVL system, bus lateness thresholds are stored in a database; while in the Ranger AVL system, bus lateness thresholds are hardcoded into the firmware. It is preferable for LYNX staff to have the ability to update the bus lateness thresholds on either the Clever or Ranger system.
- Trapeze would need to modify the Ranger AVL software for the existing LYNX buses to reflect the proposed pre-defined conditions (e.g., late arriving bus only).
- Sand Lake Road is considered one of the high priority bus corridors for TSP implementation. However, the portion of Sand Lake Road from Presidents Drive to Jetport Drive is planned to have an adaptive signal system (InSync) implemented within the next two years. Therefore, this part of Sand Lake Road was excluded from TSP Phase 1 implementation.
- Links 11, 42, 111, and 418 operate within the section of Sand Lake Road planned for InSync implementation. As a result, Links 11, and 111 were moved to Phase 2 implementation, while TSP implementation on other selected sections of Links 42 and 418 is recommended for Phase 1.

Based on information obtained in meetings with different maintaining agencies (stakeholders) the major operational constraints are as follow:

• Emergency Vehicle Detection: Currently, the system is primarily Global

Traffic Technologies (GTT) infrared units. The proposed system is GTT GPS Radio Unit containing a GPS receiver.

- For LYNX buses operating along arterials, suburban traffic congestion especially during AM and PM peak periods are affecting bus running times. Occasionally there is not enough time for buses to proceed through a turning movement during one cycle.
- Existing signal systems for the different maintaining agencies are different and require separate modules to activate TSP.
- The SunRail train crossings have an impact to buses running on schedule.

Operation and Maintenance: The FDOT would be looking for an Interagency Memorandum of Agreement with the maintaining agencies related to TSP.

# 3.3 Description of Current System

This section describes the operational constraints of current systems, including the traffic signal system and the transit system.

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- In the Clever AVL system, bus lateness thresholds are stored in a database; while in the Ranger AVL system, bus lateness thresholds are hardcoded into the firmware. It is preferable for LYNX staff to have the ability to update the bus lateness thresholds on either the Clever or Ranger system.
- Trapeze would need to modify the Ranger AVL software for the existing LYNX buses to reflect the proposed pre-defined conditions (e.g., late arriving bus only).
- Sand Lake Road is considered one of the high priority bus corridors for TSP implementation. However, the portion of Sand Lake Road from Presidents Drive to Jetport Drive is planned to have an adaptive signal system (InSync) implemented within the next two years. Therefore, this part of Sand Lake Road was excluded from TSP Phase 1 implementation.
- Links 11, 42, 111, and 418 operate within the section of Sand Lake Road planned for InSync implementation. As a result, Links 11, and 111 were moved to Phase 2 implementation, while TSP implementation on other selected sections of Links 42 and 418 is recommended for Phase 1.

Based on information obtained in meetings with different maintaining agencies (stakeholders) the major operational constraints are as follow:

- Emergency Vehicle Detection: Currently, the system is primarily Global Traffic Technologies (GTT) infrared units. The proposed system is GTT GPS Radio Unit containing a GPS receiver.
- For LYNX buses operating along arterials, suburban traffic congestion especially during AM and PM peak periods are affecting bus running times. Occasionally there is not enough time for buses to proceed through a turning movement during one cycle.
- Existing signal systems for the different maintaining agencies are different and require separate modules to activate TSP.
- The SunRail train crossings have an impact to buses running on schedule.

Operation and Maintenance: The FDOT would be looking for an Interagency Memorandum of Agreement with the maintaining agencies related to TSP.

## 3.4 User Profiles

The major TSP/emergency preemption users of the identified corridors include the LYNX/VOTRAN transit units (Buses), Fire & Rescue vehicles, emergency ambulances, system operators and system managers.

The buses use the current system on a daily basis. There are currently two major concerns identified within the corridors.

- Transit vehicles have difficulty meeting their schedule due to the dense signal spacing along some of the corridors as well as traffic congestion.
- School reduction zones and railroad crossings throughout the majority of the routes identified have a significant impact in buses meeting their schedule.

Fire & Rescue vehicles along with ambulances also use some of these corridors during emergency calls. If an emergency occurs and it is necessary to allow the emergency vehicle through a signal in advance of its normal cycle, a preemption system is in place to prioritize their traffic flow. A common concern by the fire & rescue vehicle personnel is regarding preemption from the Side Street and having to wait for the minimum green at the intersections to time out.

The systems are currently monitored on a daily basis by operators from each maintaining agency Traffic Management Center. These operators perform many tasks, including but not limited to:

- Monitoring traffic and device status of the operators monitor the field traffic conditions and device status via CCTV, and other monitoring devices;
- Documentation: the operators document the operations or changes of the system for records and use by others.

The system managers oversee the operation of the system, make decisions about issues raised by the operators, and communicate concerns, needs or progress to upper levels of management and decision makers.

## 3.5 Support Environment

Each of the systems described are independently supported by their individual agencies. This support includes in-house staff, consultants, or third-party vendors maintaining all facilities, software, hardware, and scheduling and performing routine or emergency maintenance. Signal technicians from each agency maintain all traffic signals within the Phase 1, 2, & 3 study limits. Each agency maintains their signal system, software and hardware, both internal to the TMC and in the field. LYNX/VOTRAN maintain their internal network and field devices, as required.

# 4.0 JUSTIFICATION AND NATURE OF THE CHANGES

## 4.1 Justification for Change

The Department of Transportation has identified TSP as an integral and cost effective alternative for providing innovative services to the transit system within the thirty-nine (39) aforementioned corridors. By coordinating with LYNX and VOTRAN, as well as the signal maintaining agencies (Orange County, Seminole County, Volusia County, City of Orlando, City of Winter Park, City of Maitland, City of Kissimmee), FDOT is attempting to promote the use of buses within the SunRail stations in order to make them more reliable and more efficient. As shown in other areas of North America as well as in the world, Transit Signal Priority can be effective system to implement in the project area. The study was initiated to fulfill this goal and aims to tackle the operational constraints identified in Section 3.2 as follows:

- Meeting Schedule: the existing routes within the project study area are not On-Time with their schedule. Due to dense signal spacing and congestion, the bus operators are finding it difficult to meet their schedule on a consistent basis.
- LYNX is currently using a Mentor Engineering (Ranger) AVL system by Trapeze. The new AVL system will be by Clever Devices. In the Clever AVL system, bus lateness thresholds are stored in a database; while in the Ranger AVL system, bus lateness thresholds are hardcoded into the firmware. Trapeze would need to modify the Ranger AVL software for the existing LYNX buses to reflect the proposed pre-defined conditions (e.g., late arriving bus only).
- VOTRAN transit service operates using advanced technologies, including Automatic Vehicle Location (AVL), and Mobile Data Terminals (MDTs), that increase operational efficiency by increasing the level of real-time information available. VOTRAN also uses Automatic Passenger Counters (APC) to collect ridership information at the stop level and continues to use Avail Technologies to capture and integrate data from employed technologies.
- Automated information sharing and inter-agency coordination: Currently, the Traffic Management Centers (TMC) are operating on separate systems without any automated center-to-center communication links. All coordination and information sharing is done manually by traditional tools such as mail, email or telephone calls. The inter-agency coordination and information sharing can be improved by interconnection of the networks and applying advanced transportation technology.

## 4.2 Description of the Desired Changes

In order to effectively address the existing system constraints and the justifications identified in the previous sections, the following major functional changes are desired for the existing systems:

- Naztec controllers within the City of Orlando and Seminole County require the following firmware to run TSP. 980 ATC controllers need firmware version 76 with TSP, 980 ATC controllers with SynchroGreen need firmware version 76 with TSP and Transit, 980 TS2 controllers need firmware version 61 with TSP.
- Siemens/Eagle EPAC M50 8MB controllers within Orange County, the City of Maitland, City of Kissimmee (maintaining agency for Osceola County signal controllers), and the City of Winter Park need to be programmed to handle TSP calls.
- The Eagle EPAC300 and EPAC M40 Series traffic controllers do not have a specific TSP Module/Program. These controllers along with the EPAC M50 4MB controllers would need to be replaced with the EPAC M50 8MB controllers. These controllers handle TSP calls as a low priority call.
- Peek 3000E Signal controllers in Volusia County need to be replaced with controllers that can handle TSP. Volusia County is currently replacing these controllers with Siemens/Eagle EPAC controllers, which are able handle TSP calls.
- The AVL software for the existing LYNX buses using Mentor Engineering (Ranger) AVL system will need to be modified by Trapeze to reflect the proposed pre-defined conditions (e.g., late arriving bus only).
- Bus lateness thresholds for the Clever AVL system (LYNX) and Avail AVL system (VOTRAN) are stored in a database.
- Incorporate GTT Opticom<sup>™</sup> GPS system to the existing signal equipment, as well as vehicle equipment for LYNX and VOTRAN buses.

## 4.3 Change Priorities

Based on the analysis of the existing system and system constraints, existing signal controllers need to be TSP compatible, AVL software update for the existing LYNX buses, and GTT Opticom<sup>TM</sup> GPS system (software and hardware) would be the core components that layout the foundation for the TSP system implementation. The GTT Opticom<sup>TM</sup> GPS units and Central Management Software will monitor TSP and preemption logs while real time data collection will gather data needed for system performance assessment and other applications. Therefore, the proposed components for this project are prioritized as follows:

Core Tier: TSP compatible controllers.

Key Tier: Automated Vehicle Locator (AVL) software updates.

Supplemental Tier: GPS Units (GTT) system.

# 4.4 Changes Considered but Not Included

There were a few areas that were discussed and considered but not included in the project:

- **Unconditional Priority:** On a TSP system, Priority Request Generation (PRG) is responsible for initiating a request for priority based on predefined criteria, which may be either conditional or unconditional. The first (e.g., priority requested for transit vehicles that are behind schedule by more than 5 minutes) is the one explored in this study while the latter (e.g., priority automatically requested for all equipped transit vehicles on certain routes) is not included because of available technology as well as the adverse effect it can have on the general traffic flow.
- **Phase Rotation:** A strategy where the order of signal phases is "rotated" to provide TSP. For example, a northbound left turn phase could normally be a lagging phase, meaning it follows the opposing through signal phase. A northbound left turning bus requesting priority that arrives before the start of the green phase for the through movement could request the left turn phase. With the phase rotation strategy, the left turn phase could be served as a leading phase (before the through green) in order to expedite the passage of the transit vehicle. This strategy is not included because of the adverse effect it could have on the general traffic flow.
- **Bus Jump Queue Lanes:** A strategy where transit vehicles are provided the means to pull ahead of regular vehicular traffic that is stopped at an intersection, thereby providing the transit vehicle with advanced green (a "jump") in relation to other vehicular traffic. This option is not included because of the lack of ROW availability in the areas where it would be most beneficial within the studied corridors (e.g., downtown area).
- **Full GPS technology upgrade for both Transit and Signal operations:** The primary advantages of using only a GPS-based detection include no requirement for a clear line of sight with the intersection as well as the ability to notify the latter once the transit vehicle has cleared that intersection. Having a GPS-based only detection is not included because of the effect and cost it would have on emergency vehicle agencies currently using the infrared system. However, both systems will be available simultaneously by using the Multimode Phase Selector.

## 4.5 Assumptions and Constraints

The success of this project relies not only on the design and construction of the proposed system, but also on the related work to be performed by LYNX, VOTRAN, and the aforementioned signal maintaining agencies. In order for all systems to be operating at the completion of this project, upgrades need to be done on their devices/systems so that their existing devices/systems will function properly with the proposed system, including:

- Naztec controllers within the City of Orlando and Seminole County require the following firmware to run TSP. 980 ATC controllers need firmware version 76 with TSP, 980 ATC controllers with SynchroGreen need firmware version 76 with TSP and Transit, 980 TS2 controllers need firmware version 61 with TSP.
- Siemens/Eagle EPAC M50 8MB controllers within Orange County, the City of Maitland, the City of Kissimmee, and the City of Winter Park need to be programmed to handle TSP calls.
- Peek 3000E controllers within Volusia County need to be replaced with controllers that can handle TSP. The County is currently replacing these controllers with Siemens/Eagle EPAC controllers, which are able handle TSP calls.
- The Eagle EPAC300 and EPAC M40 Series traffic controllers do not have a specific TSP Module/Program. These controllers, used by Orange County, City of Kissimmee, City of Maitland, and City of Winter Park, along with the EPAC M50 4MB controllers would need to be replaced with EPAC M50 8MB controllers. These controllers handle TSP calls as a low priority call.
- The communication network (Fiber Optic (FO)/field switches) for Orange County, Osceola County (City of Kissimmee), Seminole County, and City of Orlando must be in good working order to properly communication with their respective TMC's for remote monitoring.
- Signal equipment and LYNX/VOTRAN buses upgrades to GTT Opticom<sup>™</sup> GPS system.

# 5.0 CONCEPTS FOR PROPOSED SYSTEM

This section describes the proposed system that results from the desired changes specified in the fourth section of the ConOps document. This includes a high level description of the proposed system that explains how the proposed system is envisioned to operate in fulfilling the user needs and requirement. The proposed TSP deployment for the thirty-nine (39) corridors is being investigated in response to the need for a more integral and cost effective alternative of providing innovative services to the transit system and improve the schedule of buses in order to make them more reliable and more efficient.

# 5.1 Background, Objectives and Scope

Orange County, Seminole County (Control Specialists maintains one (1) signal), Volusia County, City of Orlando, City of Kissimmee, City of Maitland and City of Winter Park currently maintain and operate all signals within the thirty-nine (39) corridors in the project limits for all three Phases. There are 331 signalized intersections within the corridor limits. The bus routes within the corridors experience delays primarily due to congestion, school zones, railroad crossings, uncoordinated signals, ridership, and right turning vehicles slowing down traffic in the right lane where the buses operate. The delays have a direct impact on arrival schedules at the SunRail train stations, thus creating a lack of reliability in transit users and a reduction in transit ridership. Since adding lanes and reconstruction work would require right-of-way acquisition and be very costly, other options such as TSP are being considered.

The objective is to improve the reliability of the bus route schedule by reducing delays without adversely affecting general traffic and emergency response vehicles. This ConOps will detail the existing infrastructure as well as what is required to implement TSP within the thirty-nine corridors.

# 5.2 **Operational Constraints**

The primary operational constraints for the new TSP system will be to get all of the new upgrades that are currently being deployed in place for proper data collection and to establish Measures of Effectiveness (MOE). These constraints include the need for upgrades to the AVL and APC systems, existing signalized intersections, and LYNX/VOTRAN buses.

Based on the analysis of the existing system and system constraints, an upgrade to existing signal controllers, fleet-wide GTT Opticom<sup>™</sup> GPS units, and a realtime traffic monitoring system would be the core components that would be needed to lay out a foundation for the TSP system expansion. Naztec controllers within the City of Orlando and Seminole County require the following firmware to run TSP. 980 ATC controllers need firmware version 76 with TSP, 980 ATC controllers with SynchroGreen need firmware version 76 with TSP and Transit, 980 TS2 controllers need firmware version 61 with TSP. Siemens/Eagle controllers within Orange County, the City of Maitland, the City of Kissimmee (maintaining agency for Osceola County signal controllers), and the City of Winter Park, along with the PEEK 3000E controllers within Volusia County, will be replaced with EPAC M50 8MB controllers (where needed) and be programmed to handle TSP calls. GTT Opticom<sup>™</sup> GPS units and Central

Management Software will monitor TSP and preemption logs from the TMC's while real time data collection will gather data needed for system performance. To maximize system compatibility and maintainability, the existing infrared units, currently in operation for emergency vehicles, will be maintained as a part of the proposed system.

## 5.3 Description of the Proposed System

The proposed TSP system will include upgrades to the various sub-systems: As previously mentioned, signal controllers would need to be upgraded, while the existing Ranger AVL software will need to be modified to reflect the proposed pre-defined conditions (e.g., late arriving bus only). An Opticom<sup>™</sup> GPS system will be provided for the buses and signalized intersections. A Central Management software (GTT) will also need to be purchased in order to accurately monitor TSP and emergency preemption logs for Orange County, City of Kissimmee (Osceola County), and Seminole County. Trapeze will continue to provide the scheduling system for LYNX buses.

Figure 24 shows the overview of the proposed system concept and the TSP Architecture.



Figure 24 - Transit Signal Priority (TSP) Architecture

## 5.4 Modes of Operation

The proposed TSP Project will be monitored from each maintaining agency directly from the signal controllers or from their respective TMC (provided an Ethernet network exists), as well as from LYNX and VOTRAN.

Currently, the TSP system consists of two primary logical components based on NTCIP 1211: a Priority Request Generator (PRG) and a Priority Request Server (PRS). The TSP system will use the existing distributed architecture with a conditional PRG on the bus and a PRS at the traffic signal which serves the request. The primary functions of the Priority Request Generator are as follows:

- To determine whether a vehicle is in need of preferential treatment (priority) at a signalized intersection according to operator-defined constraints (e.g., late arriving buses, etc.).
- To communicate the vehicle's request for priority and its current location and speed information to the Priority Request Server.
- To produce a log of all priority requests for processing and continued monitoring by LYNX and VOTRAN.

The primary functions of the Priority Request Server are as follows:

- To receive multiple Priority Requests from different Priority Request Generators.
- To produce an estimate of the vehicles calculated time for service desired at the signalized intersection. This estimate, measured in seconds, is intended to represent the vehicles arrival time at the intersection and can range from zero (0) (representing a request for immediate service) to sometime in the future.
- To prioritize all the different Priority Requests for priority based on the request vehicle's class, vehicle level, and time of service desired.
- To generate a Service Request that defines the strategy to be used by the Traffic Signal Controller to provide priority to the LYNX/VOTRAN bus, or provide pre-emption to emergency (fire) vehicles.
- To communicate the Service Request to the Traffic Signal Controller to be processed by the Coordinator.
- To produce a log of all the Priority Requests received and Service Requests generated by the Priority Request Server for review by partnering agencies.

Some of the buses within the SunRail Stations are equipped with two hardware systems inside the vehicle. One is the tracking system (AVL) and the other is the

vehicle emitter. The AVL tracking system (Trapeze, Clever, or Avail) software communicates with the vehicle emitter and with the Traffic Management Center. The vehicle emitter, GPS (radio), communicates with the intersection receiver. The intersection receiver gets the transmission and relays the request to the Opticom<sup>™</sup> Multimode phase selector that validates the request and provides input to the traffic controller to provide a green light through normal operations.

The signals provided with a Opticom<sup>™</sup> receiver within these corridors vary between LED (infrared) and GPS (radio). Based on our meetings with stakeholders, LED (infrared) and GPS (radio) system are currently installed in most emergency vehicles while GPS (radio) systems will be installed in the transit vehicles (buses).

The components and communications system typically used with TSP are illustrated in **Figure 25**.



Figure 25 - TSP System Components and Communications

#### Transit Signal Priority (TSP) Service Request/Decision Process

Based on the physical architecture, the TSP service request will begin with the AVL system collecting and monitoring bus position and referencing bus

schedule time points. Based on bus schedule and bus position data, the current schedule adherence condition will be calculated and checked against operatordefined TSP criteria (e.g., number of minutes behind schedule). If the bus meets the criteria, the AVL system will send a message to the Opticom<sup>TM</sup> GPS vehicle equipment allowing TSP requests to be generated. The Opticom<sup>TM</sup> GPS vehicle equipment will then generate a TSP request and information such as latitude, longitude, speed, heading, vehicle ID, and priority level. This information will be transmitted from the bus to the Opticom<sup>TM</sup> Multimode phase selector at the individual intersection as a priority request which will validate the request from the GPS receiver.

After the Opticom<sup>™</sup> Multimode phase selector receives the TSP request and related information from the approaching bus, the Multimode phase selector will resolve the request against any other priority requests (emergency vehicle, other TSP calls). When the estimated bus arrival time to the stop bar is calculated from continuously updated bus position data sent from the on-board Opticom<sup>™</sup> GPS vehicle equipment, the Multimode phase selector will output a pulsing signal corresponding to the phase to be served to the traffic signal controller. The traffic signal controller will interpret the pulsating input as a TSP call on the appropriate preemption input. When the TSP call is forwarded to the controller, the controller compares the time the call is received to the programmed time of service desired and time of estimated departure values. The ETA times in the Opticom<sup>™</sup> system and the time of service desired in the controller both calculate the time the bus arrives at the intersection. The time of service desired is the predicted bus arrival time and will be projected into the normal traffic signal timing plan by the controller to determine the bus arrival time relative to the timing plan.

The TSP service request process described above is illustrated graphically in **Figure 26**. This process is automatic for LYNX/VOTRAN buses in service and will not require driver activation or active management by signal operators other than the retrieval of system component logs for monitoring purposes.



Figure 26 - Transit Signal Priority (TSP) Service Request/Decision Diagram

## 5.5 Users Involvement and Interaction

The main users as indicated in Section 1.1 for the existing transportation and transit systems will apply to the proposed Transit Signal Priority Study along the corridors within the SunRail stations: LYNX, VOTRAN, Orange County, Seminole County, Volusia County, City of Kissimmee, City of Maitland, City of Orlando, and the City of Winter Park. The users of the TSP project will use the TSP system to help relieve delay and reduce travel time in an environment of urban arterials. LYNX/VOTRAN and the four maintaining agencies (Orange County, Osceola County (City of Kissimmee), Seminole County, and City of Orlando) with an existing TMC will acquire the ability to monitor transit schedule adherence. For LYNX and VOTRAN this will mean improvement in on-time performance. This information will help them better understand their traveling environment and make better decisions. In addition, the Opticom<sup>™</sup> GPS Equipment can also be used by Fire and Rescue vehicles for emergency preemption.

System operators will be able to monitor such items as the number of priority and/or preemption calls; the number of calls that have not been serviced and why; and provide to managers a better understanding of how the signal system is operating when there is a priority or preemption request. With the system operators' assistance, the system manager evaluates the system performance, develops mitigation measures, makes decisions on the actions to be taken, and implements them. A more detailed description of the interactions among those user levels will be defined when the Transit Signal Priority is actually deployed.

Once the TSP is deployed it will be necessary to develop a Memorandum for the various stakeholders that define their roles and responsibilities with regard to the TSP system.

## 5.6 Support Environment

The major support agencies for the existing and proposed TSP systems are the agencies as identified in section 1.1 including FDOT, City of Orlando, Orange County, Seminole County, Volusia County, City of Kissimmee, City of Maitland, City of Winter Park, VOTRAN, and LYNX. Each maintaining agency will maintain the proposed TSP system, including the Opticom<sup>™</sup> GPS units, TSP controllers software and hardware, and Central Management software (provided for Orange County, Seminole County, and Osceola County). A limited amount of TSP equipment spare parts will be distributed to the maintaining agencies. FDOT District 5 will provide signal re-timing and project support and LYNX/VOTRAN will operate and maintain the AVL data collection systems

# 6.0 OPERATIONAL SCENARIOS

The proposed signal system will be used for transit vehicles (signal priority) and emergency vehicles (signal preemption). Transit vehicles will be equipped with Opticom<sup>™</sup> 2101 Low Priority Radio/GPS Control units that will communicate with the buses AVL system and generate a TSP request. This information will be transmitted from the bus to the Opticom<sup>™</sup> 764 Multimode phase selector at the individual intersection as a priority request which will validate the request from the GPS receiver. After the Opticom<sup>™</sup> Multimode phase selector receives the TSP request and related information from the approaching bus, the Multimode phase selector will resolve the request against any other priority requests (emergency vehicles, ambulances, other buses, etc.).

Some of the proposed TSP intersections are currently provided with infrared (IR) GTT signal equipment to accommodate the IR vehicle equipment in emergency vehicles and ambulances. The Opticom<sup>TM</sup> Multimode 764 may be used in IR only applications, GPS only applications, or IR and GPS applications simultaneously. It recognizes three different priority levels transmitted by Opticom<sup>TM</sup> GPS vehicle equipment: high priority, low priority and probe priority. Within each of these three priority levels, the phase selectors further discriminate among 254 agency IDs, 15 classes of vehicle identification codes, with 10,000 individual vehicle codes per class – for more than 38 million total per priority level. In essence, for multiple priority calls, the Opticom<sup>TM</sup> Multimode 764 Phase selector is capable of deciding which route gets the priority request and whether to extend or truncate the green light time at the traffic signal. **Figure 27** shows the operational scenario for three types of emergency responses and a bus TSP call.



Figure 27 - Operational TSP Scenarios (Source GTT Opticom™ GPS)

# 7.0 SUMMARY OF IMPACTS

As indicated in section 1.1, the major users of the thirty-nine (39) proposed TSP corridor systems include the transit units (Buses), Fire & Rescue vehicles, emergency ambulances, system operators, system managers and the traveling public. This section describes and summarizes the benefits and costs impact of the proposed TSP Project within the user groups.

#### Benefits

In some cases, TSP has been shown to be a cost-effective method to enhance regional mobility by improving transit operations speed and schedule adherence, thereby increasing the attractiveness and reliability of the transit system. Some examples include1:

- In Tacoma, Washington, the combination of TSP and signal optimization reduced transit signal delay about 40% on two corridors.
- Portland, Oregon was able to avoid adding one more bus by using TSP to reduce route travel time and improve schedule adherence. As a result, the agency experienced a 10% improvement in travel time and up to a 19% reduction in travel time variability. Due to this increased reliability, the transit property was able to reduce scheduled recovery time.
- In Chicago, buses realized an average of 15% reduction (three minutes) in running time. Actual running time reductions varied from 7% to 20% depending on the time of day. With the implementation of TSP and through more efficient run cutting, Chicago was able to realize a savings of one weekday bus while maintaining the same frequency of service. Of course, not every system has been able to produce results as favorable as these. The location of bus stops, the underlying signal coordination, traffic flow along the route, the frequency of priority requests, and the number of signals are a few of the factors that will influence the success of a system.

#### Costs

TSP benefits typically come to agencies after significant investment. This investment is manifested in two forms: initial planning, design, and implementation costs; and operations and maintenance costs.

<sup>1</sup> Transit Signal Priority: A Planning and Implementation Handbook." 2005

#### Initial Costs (Planning and Design)

A significant portion of the initial costs are the costs related to the planning and design of the TSP. Several documents will be required for implementation: This TSP Concept of Operations (ConOps); a Corridor Assessment Memorandum; TSP System Requirements; and the PS&E documents themselves. This Concept of Operations (ConOps) is a used to describe the characteristics of the TSP system from the viewpoint of the individuals and organizations (Stakeholders) who will use the system in their daily work activities and who will operate and interact directly with the system. Other costs to be considered are the cost of developing the controller parameters that are used for the priority operation and the cost for developing the signal plans that incorporate the additional of TSP.

#### **Operations and Maintenance Costs**

With one exception, the operations and maintenance costs are estimated to be minimal and may be considered to be similar to the operations and maintenance costs of the traffic signal system. The annual hardware maintenance costs are estimated to be 10 percent of the equipment cost. The exception is the cost of maintaining the controller parameters for the priority operation. Signal timing plans typically operate for three or four years before the traffic demands change enough to require a significant upgrade. Whenever the signal timing plans are revised, the transit priority parameters will have to be revised as well. A complete retiming would cost as much as the original implementation costs.

An initial concern in a TSP project is identifying the problem (such as buses experiencing delay at traffic signals) to be solved by the system. This effort will enable the developers to focus on the issues. One of the most important elements in this planning process is early identification and involvement of stakeholders who can provide support and/or create road-blocks. This Concept of Operations (ConOps) is designed to help all partners understand and agree on what TSP will be able to do and how it should function.

# 8.0 ANALYSIS OF THE PROPOSED SYSTEM

Section 3.0 described the existing condition and constraints of the current transportation systems in the area of the thirty-nine (39) corridors within the SunRail feeder transit corridors. Section 4.0 justified the needs for the proposed TSP Project. According to those sections and the description of the proposed system in Section 5.0, the major advantages of the proposed system can be summarized as follows:

- The proposed TSP project will link to the upgraded AVL system for buses to provide real-time locations along the project corridors as well as an automatic data collection system for collecting passenger data for system performance evaluation, real-time information distribution, and other application purposes such as traffic planning or analysis.
- The proposed TSP project will include a GTT Central Management software (CMS) for Orange County, Seminole County, and Osceola County to accurately monitor TSP and emergency preemption logs. The City of Orlando currently has the GTT CMS.
- The proposed TSP system will provide real-time monitoring of buses, traffic status and field infrastructure, real-time traffic data collection and distribution, and real-time traffic management. The real-time features make the proposed TSP system different in nature from the conventional traffic management system. The implementation of TSP will offer more efficient tools to assess and evaluate the performance of the existing Transit and traffic system, develop responsive strategies and measures for bus schedules and delays, and provide a more solid and reliable data resource for decisions/policy making and planning.
- The proposed TSP system will install infrastructure and layout a foundation for the future seamless, integrated, and proactive transportation management across agencies, traffic modes and geographical boundaries.

However, the proposed TSP system will need to consider the effect on side street traffic, including: Potential for vehicle delay, queue length, and signal cycle failure frequency on cross-streets.

# 9.0 MEASURES OF EFFECTIVENESS (MOE)

In order to establish appropriate measures of effectiveness (MOEs) it is necessary to establish the primary goals and objectives of the Transit Signal Priority (TSP) design and implementation. As previously discussed, the primary objectives of TSP are to (1) reduce transit vehicle travel times – potentially reducing the number of buses required, and (2) reduce transit schedule variability – make bus time-points more reliable, while at the same time minimizing the impact to "conventional" traffic using the same road network.

As part of this project, meetings were held with City of Orlando, Orange County, Seminole County, Osceola County, Volusia County, SunRail, VOTRAN, and LYNX, which established existing conditions and areas of potential needs or improvements. These included, but are not limited to, the following:

- 1. Improvement of on-time performance along all the identified corridors.
- 2. Overall reduction in travel time for the traveling public using TSP will also allow other vehicles to take advantage of the extended green or truncated red times.
- 3. Reduced stop and signal delays for the transit system.
- 4. Traffic queue length, as previously noted, will have an impact on the traveling public to the signalized intersection queue length.
- 5. Signal Cycle Failures There is the potential for TSP to cause waiting traffic to sit through another cycle at a light if priority has been given to opposing or cross street traffic. This could potentially lead to public discontent with the system.
- 6. Number of TSP calls and how often they are granted or denied. The reason for denying a call is also usually measured. This MOE is collected and reported to verify the usefulness of the TSP system.

The following Measures of Effectiveness should be used to evaluate the TSP system:

#### System Evaluation

- No. of Passenger Boardings (If available)
- Vehicle Miles and Hours
- On-Time Departure Performance (<3 min.)
- TSP Activations Per Bus Per Route
- TSP Activations Per Signal Per Route

#### **Benefits**

- Diesel Fuel Consumption
- CNG Fuel Consumption
- CO2 Per Total Vehicle Mile & Pax Mile
- Return on Investment

The system evaluation MOEs will be used to determine that the system is operating as designed. These will also be used to troubleshoot the system to determine if any corrections are necessary after implementation. The benefits are used to measure how well the system meets its goals such as the Congestion Management and Air Quality (CMAQ) standards.

Much of the data can be collected and logged by the AVL system and the proposed TSP system by appropriate software coding. Some of the measures will require field observation and data collection.

# **10.0 NOTES**

There are no notes at this time.

# APPENDIX



Link 14 Schedule



Link 18 Schedule

Link 18	_					No Su	inday	/Holi	iday	service
	ſ	Vonday -	Frida	ay						
DOWNTOWN ORLANDO TO KISSIMMEE KISSIMMEE TO DOWNTOWN ORLANDO										
LYNX CENTRAL STATION ORANGE AVE. & MICHIGAN ST. ORANGE AVE. & OFFICE CT. SAND LAKE	BUENAVENTURA BLVD. & OSCEOLA PKWY. OSCEOLA PKWY. NALMART SUPERCENTER VALENCIA COLLEG	IYNX KISSIMMEE INTERMODAL STATION	LYNX KISSIMMEE INTERMODAL STATION	VALENCIA COLLEGE OSCEOLA	OSCEOLA PKWY. WALMART SUPERCENTER	BUENAVENTURA BLV & OSCEOLA PKWY.	SAND LAKE SUNRAIL	ORANGE AVE. & OFFICE CT.	ORANGE AVE. & MICHIGAN ST.	STATION
1   2   3   4     5:30   5:47   6:05     6:30   6:47   7:05     7:30   7:47   8:05     9:30   9:49   10:03     10:30   10:49   11:03     11:30   11:49   12:03     12:30   2:49   3:03     3:30   3:49   6:03     6:30   6:49   7:03     7:30   7:49   8:03     P.M. Times are shown   1	5   6   7     6:29   6:44   6:55     7:29   7.44   7:55     8:29   8:44   8:55     9:31   9:46   9:57     10:29   10:44   10:55     11:29   11:44   11:55     12:29   12:44   2:55     3:29   3:44   3:55     6:29   6:44   6:55     7:29   7:44   5:55     6:29   6:44   6:55     7:29   7:44   8:55     6:29   6:44   8:55     0:29   8:44   8:55     0:29   8:44   8:55	8 7.05 8.05 9.05 10.07 11.05 12.05 1:05 2:05 3:05 4:05 5:05 6:05 7:05 8:05 9:05	8     4:35     5:35     6:30     7:30     9:30     10:30     10:30     12:30     12:30     13:30     2:30     3:30     6:30     7:30     8:30     9:30	7 4:45 5:45 6:40 7:40 9:40 10:40 11:40 12:40 1:40 2:40 3:40 5:40 6:40 7:40 8:40 9:40	6 4:57 5:57 6:52 7:52 9:52 10:52 11:52 12:52 1:52 2:52 3:52 4:52 5:52 6:52 7:52 8:52 9:52	5:12 6:12 7:08 8:08 9:08 10:08 11:08 12:08 1:08 2:08 3:08 4:08 5:08 6:08 7:08 8:08 9:08 10:08	4 5:33 6:33 7:33 8:33 9:33 10:33 12:33 1:33 2:33 3:33 4:33 5:33 6:33 7:33 8:33 9:33 10:33	3	2 5:50 6:50 7:50 8:50 9:50 10:50 12:50 1:50 2:50 6:50 7:50 8:50 9:50 10:	1   6:05     7:05   8:05     9:05   10:05     11:05   12:05     12:05   3:05     4:05   5:05     6:05   7:05     8:05   9:05     10:05   11:05
		Saturd	ay							
IYNX CENTRAL STATION ORANGE AVE. & MICHIGAN ST. ORANGE AVE. & OFFICE CT. SAND LAKE SUNRAIL	BUENAVENTURA BLVD. & OSCEOLA PKWY OSCEOLA PKWY. OSCEOLA PKWY. WALMAT SUPERCENTER VALENCIA COLLEGE OSCEOLA	LYNX KISSIMMEE INTERMODAL STATION	lynx kissimmee Intermodal Station	VALENCIA COLLEGE	OSCEOLA PKWY. WALMART SUPERCENTER	BUENAVENTURA BLVD. 0 & OSCEOLA PKWY.	SAND LAKE SUNRAIL	ORANGE AVE. & OFFICE CT.	ORANGE AVE. & 정 Michigan ST.	LYNX CENTRAL STATION
1 2 3 4   5:30 5:47 5:57 6:57   6:30 6:47 6:57 7:30   9:30 9:49 9:59 10:30   10:30 10:49 10:59 11:30   11:30 11:49 11:59 12:30   1:30 12:49 12:59 1:30   1:30 12:49 12:59   1:30 3:49 3:59   6:30 6:49 6:59   7:30 7:45 7:55   P.M. Times are shown 11:59	5   6   7     6.19   6.34   6.45     7.22   7.37   7.48     8.22   9.37   9.48     10.24   10.39   10.50     11:24   11:39   11:50     12:24   12:39   12:50     3:24   3:39   3:50     4:24   4:39   4:50     5:24   5:39   5:50     6:24   6:39   6:50     7:24   7:39   7:50     8:17   8:32   8:43	8 6:55 7:58 8:58 9:58 11:00 12:00 1:00 2:00 3:00 4:00 5:00 6:00 7:00 7:59 8:52	8     4:35     5:35     6:36     7:36     9:35     10:35     11:35     2:35     3:35     5:35     6:45     7:45     9:45	4:45 5:45 5:45 5:46 7:46 8:46 9:46 10:46 11:46 11:46 12:46 3:46 4:46 5:54 5:46 5:46 5:46 5:45 5:55 9:55	4.58 5.58 6.58 7.58 8.58 9.58 10.58 10.58 10.58 10.58 11.58 12.58 3.58 4.58 5.58 7.07 8.06 9.06 10.06	5:13 6:14 7:14 8:14 9:14 10:14 10:14 11:14 12:14 3:14 4:14 2:14 3:14 4:14 7:22 8:21 9:21 10:21	4	3 5.37 6.39 7.39 8.39 9.39 10.39 11.39 12:39 1.39 2.39 3.38 4.38 5.38 6.38 7.42 8.41 9.41 10:41	2 5:47 6:50 7:50 8:50 9:50 10:50 11:50 12:50 1:50 2:50 3:49 6:49 7:52 8:51 9:51 10:51	1 6:02 7:05 8:05 9:05 10:05 11:05 12:05 3:05 4:04 5:04 6:04 7:03 8:06 9:05 10:05 11:05 11:05 10:
							Cł	2	$\mathcal{B}$	<u></u>

Link 18 Schedule





Link 42	SERVING: Destination Parkway SuperStop	W. Oak Ridge Road Mid Florida Tech
International Drive/Orlando	Orange County	Orlando Central Park
International Airport	Convention Center	Florida Mall Orlando International Airport
Monday–Sunday & Holiday	Orlando Premium Outlets	NeighborLink 641
service	International Dr.	Sand Lake SunRail Station







Additional stops are located approximately every two blocks along each Link.



Link 42 Schedule

Link 42	2			M	onda	ay - F	rid	ay				
ORL	INTERNATIONAL DR. TO ORLANDO INTERNATIONAL AIRPORT ORLANDO INTERNATIONAL AIRPORT INTERNATIONAL DR.											rt to
DESTINATION PARKWAY SUPERSTOP	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	OAK RIDGE RD. & RIO GRANDE AVE.	FLORIDA MALL	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT		UKLANDU INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	FLORIDA MALL	OAK RIDGE RD. & RIO GRANDE AVE.	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	DESTINATION PARKWAY SUPERSTOP
5:49 6:19 6:49 7:19 7:49 8:46 9:16 9:46 10:16 10:46 11:16 12:46 11:16 12:46 1:16 12:46 3:16 3:46 4:06 5:36 6:36 6:36 6:36 6:36 6:36 6:36 6:3	4:44 5:11 6:12 6:42 7:12 7:42 8:42 9:09 9:39 10:09 10:39 11:09 12:09 12:39 10:09 12:39 12:09 12:39 12:09 12:39 3:09 3:39 4:09 2:39 3:39 4:29 4:59 5:59 6:29 6	4:55 5.22 6:25 6:55 7:55 8:25 8:25 9:22 9:52 10:22 10:52 11:52 12:22 12:52 12:52 12:52 12:52 12:52 12:52 12:52 12:52 12:52 12:52 2:52	5:06 5:35 6:38 7:08 7:38 8:08 8:38 9:08 9:35 10:05 11:35 12:05 12:05 12:35 1:05 1:35 2:35 3:35 4:05 4:35 5:25 5:55 6:25 6	5 6:56 7:26 7:56 8:26 8:56 9:26 9:26 5:14 5:14 6:14 6:14 6:14 6:14 7:14 7:44	6 5:30 6:00 6:30 7:10 8:40 9:10 9:40 8:40 9:10 9:40 10:00 10:30 11:00 12:00 1:30 2:00 2:30 3:00 3:30 4:00 4:30 5:58 6:58 7:28 8:30 9:00 9:30 10:30 11:00 11:30 12:00 12:30	1 1 1 1 1 1	5:35 6:35 7:05 7:35 8:05 9:45 9:45 9:45 9:45 9:45 9:45 9:45 9:4	5:55 6:25 6:55 7:25 7:55 8:25 8:25 4:44 5:14 5:44 6:14 6:44	4 5.16 5.46 6.09 6.39 7.09 7.39 8.09 8.39 9.12 9.42 10.12 10.37 11.07 11.37 12.07 12.37 1.07 1.37 2.36 3.07 3.37 4.07 4.37 4.59 5.59 6.29 6.59 7.37 8.07 8.37 9.07 9.37 10.07 10.37	5:28 5:58 6:23 6:53 7:23 7:53 8:23 8:53 9:26 10:26 10:26 10:26 10:26 10:21 11:21 12:	2 5:39 6:09 6:36 7:06 8:06 8:36 9:09 10:09 10:09 10:39 11:04 11:04 12:04 12:04 1:34 2:04 2:45 3:04 2:04 2:34 1:04 1:34 2:04 2:45 3:05 5:57 6:57 7:27 8:32 9:02 9:32 10:02 10:32 11:02	1 6:00 6:30 7:32 8:02 8:32 9:02 9:32 10:04 10:34 11:04 11:29 12:29 2:00 2:30 3:11 3:30 4:01 4:31 5:53 6:23 6:23 6:53 7:23 7:53 8:28 8:58 9:58 10:58 11:28

P.M. Times are shown in bold



# Link 42 Schedule

Link 42

				540								
INTERNATIONAL DR. TO ORLANDO INTERNATIONAL AIRPORT					ORLA	ORLANDO INTERNATIONAL AIRPORT TO INTERNATIONAL DR.						
DESTINATION PARKWAY SUPERSTOP ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	OAK RIDGE RD. & RIO GRANDE AVE.	FLORIDA MALL	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT	ORLANDO INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	FLORIDA MALL	OAK RIDGE RD. & RIO GRANDE AVE.	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	DESTINATION PARKWAY Superstop		
1   2     4:44   5:11     5:44   6:07     6:14   7:07     6:44   7:07     7:44   8:07     8:14   9:07     9:14   9:37     9:44   10:07     10:14   10:37     11:44   12:07     12:14   12:37     12:44   1:07     11:44   12:07     12:14   12:37     12:44   1:07     11:44   12:07     2:14   2:07     2:14   2:37     2:44   3:07     3:44   4:07     4:14   4:37     4:44   5:07     5:14   5:37     5:44   6:07     6:14   6:37     6:44   7:07     7:44   8:07     8:44   9:07     9:14   9:37     9:44   10:07     10:44   11:07	3 4:55 5:22 6:20 6:50 7:20 7:50 8:20 8:50 9:20 9:50 10:20 11:20 12:20 1:20 12:20 1:20 12:20 2:20	5:06 5:35 6:35 7:05 8:35 9:05 10:05 10:05 10:35 11:35 2:05 3:35 4:05 5:35 5:35 6:05 6:35 7:35 8:05 8:35 9:05 11:35 5:35 6:05 6:35 7:35 8:05 8:35 9:05 10:35 10:05 10:05	5	<b>6</b> 5:30 6:00 7:00 7:30 8:00 8:30 9:00 9:30 10:00 11:30 12:00 12:30 1:00 1:30 2:00 2:30 3:00 3:30 4:00 4:30 5:30 6:00 6:30 7:30 8:30 9:00 9:30 1:00 1:30 2:00 2:30 3:30 4:00 6:00 6:30 7:30 8:30 9:00 9:30 1:00 1:30 2:00 2:30 3:30 4:00 6:30 7:30 8:30 9:00 1:30 1:200 1:30 1:30 1:30 1:00 1:30 1:00 1:30 3:30 4:00 6:30 7:30 8:30 9:00 9:30 1:00 1:30 1:00 1:30 3:30 4:00 6:30 7:30 8:30 9:00 9:30 1:00 1:30 1:00 1:30 3:00 3:30 4:00 6:30 7:30 8:30 9:00 9:30 1:00 1:30 1:00 1:30 1:00 1:30 3:00 3:30 4:00 6:30 7:30 8:30 9:00 9:30 1:00 1:30 1:00 1:30 1:00 1:30 1:00 1:30 1:00 1:30 1:00 1:30 5:00 6:00 6:30 9:30 1:00 1:200 1:200 1:30 1:00 1:200	5:40 6:10 6:10 7:40 8:10 9:10 9:40 10:10 10:40 11:40 12:10 12:40 11:10 12:40 11:40 12:10 12:40 1:10 2:40 3:10 2:40 3:10 5:40 6:10 6:40 7:10 7:40 8:10 1:40 1:40 1:40 1:40 1:40 1:40 1:40 1	5	5:15 5:40 6:07 6:37 7:07 7:37 8:07 9:37 10:07 10:37 11:07 11:37 12:07 12:37 1:07 12:37 1:07 12:37 3:07 2:37 3:07 2:37 3:09 4:09 4:39 5:09 5:39 6:39 6:39 6:39 6:39 5:39 6:39 7:07 7:37 8:37 8:37 8:37 10:07 8:37 8:37 8:37 10:07 8:37 8:37 8:37 8:37 8:37 8:37 8:37 8:3	3 5:27 5:52 6:21 6:51 7:21 7:51 8:21 8:21 9:21 9:21 9:51 10:21 10:51 11:21 12:21 12:51 1:21 1:51 12:21 2:51 3:21 3:53 6:53 6:53 6:53 6:53 6:53 7:22 7:50 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:20 8:21 8:51 10:51 11:51 12:21 12:51 3:52 6:53 6:55 7:22 7:50 8:20 8:	2 5:38 6:03 6:34 7:04 8:04 8:04 8:34 9:34 10:04 10:34 11:04 11:04 12:04 12:04 12:34 1:04 12:34 1:04 12:34 3:04 3:33 4:05 5:35 6:05 6:35 7:34 8:02 8:32 9:02 9:32 10:02 10:32 11:02	5:59 6:24 6:59 7:29 7:59 8:29 8:59 9:29 9:29 9:29 10:29 10:59 11:29 12:29 12:59 12:29 12:59 12:29 12:59 12:59 3:30 3:59 4:31 5:01 5:31 6:01 6:31 7:50 8:27 9:27 9:57 10:27 10:57 11:27		

Saturday

P.M. Times are shown in bold

## Link 42 Saturday Schedule
Link 4	2											
				Sui	nday	& F	Holid	lay				
OR	IN TE LANDO	RNATIO INTERN	NAL D ATION	r. to Al Airi	PORT		ORLAN	ido int Inti	TERNAT ERNATI	IONAL ONAL E	A IRPOI DR.	rt to
DESTINATION PARKWAY SUPERSTOP	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	OAK RIDGE RD. & RIO GRANDE AVE.	FLORIDA MALL	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT		ORLANDO INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	FLORIDA MALL	OAK RIDGE RD. & RIO GRANDE AVE.	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	DESTINATION PARKWAY SUPERSTOP
1	2	3	4	5	6		6	5	4	3	2	1
4:46 5:46 6:46 7:46 8:45 9:45 10:45 11:45 12:45 1:45 2:41 3:41 4:41 5:41 6:46 7:46 8:46 9:46	5:07 6:07 7:07 8:07 9:07 10:07 11:07 1:07 2:07 3:03 4:03 5:03 6:03 7:07 8:07 9:07 10:07	5:20 6:20 7:20 8:20 9:20 10:20 11:20 1:20 1:20 2:20 3:20 6:20 7:20 8:20 9:20 0:20	5:35 6:35 7:35 8:35 9:35 10:35 11:35 12:35 1:35 2:35 4:35 5:35 6:35 7:35 8:35 9:35 10:35		6:05 7:05 8:05 9:05 10:05 11:05 12:05 1:05 2:05 3:05 4:05 5:05 6:05 7:05 8:05 9:05 10:05 11:05		6:15 7:15 9:15 10:15 11:15 12:15 3:15 3:15 5:15 5:15 6:15 8:15 9:15		5:45 6:45 7:45 8:45 9:45 10:45 11:45 11:45 1:45 3:45 3:45 5:45 6:45 7:45 8:45 9:45	6:01 7:01 8:01 9:00 10:00 11:00 2:00 3:01 4:01 5:01 6:01 7:00 8:00 9:00 10:00	6:13 7:13 8:13 9:12 10:12 11:12 2:12 1:12 2:12 3:14 4:14 5:14 6:14 7:12 8:12 9:12 10:12	6:35 7:35 8:35 9:34 10:34 11:34 1:34 2:34 1:34 2:34 3:36 6:36 6:36 6:36 6:36 7:34 8:34 9:34 10:34



Link 42 Sunday & Holiday Schedule

> Link 434 SR 434 Crosstown Monday-Saturday service

**SERVING:** 

Lake Brantley High School Winter Springs City Hall South Seminole Hospital **Oviedo Market Place** 

University of Central Florida NeighborLink 622 Longwood SunRail Station





Link 434 Schedule Map

Lin	Link 434 Monday - Friday													
SE	MINOLI TO I	E STATI JNIVER	E COLL SITY O	EGE ALI F CENT	TAMON RAL FL	TE CAM ORIDA	PUS	SE	UNIV MINOLE	ERSITY STATE (	OF CEN COLLEG	TRAL F E ALTA	LORID. MONTE	A TO E CAMPUS
SEMINOLE STATE COLLEGE ALTAMONTE CAMPUS	SR 434 & MARKHAM WOODS RD.	LONGWOOD SUNRAIL	SR 434 & HWY. 17/92	WINTER SPRINGS CITY HALL	OVIEDO MARKET PLACE	ALAFAYA TR. & ALAFAYA WOODS BLVD.	UNIVERSITY OF CENTRAL FLORIDA SUPERSTOP	UNIVERSITY OF CENTRAL FLORIDA SUPERSTOP	ALAFAYA TR. & ALAFAYA WOODS BLVD.	OVIEDO MARKET PLACE	WINTER SPRINGS CITY HALL	SR 434 & HWY. 17/92	LONGWOOD SUNRAIL	SR 434 & MARKHAM WOODS RD. SEMINOLE STATE COLLEGE ALTAMONTE CAMPUS
5:30 6:30 7:30 9:30 10:30 11:30 12:30 12:30 12:30 2:30 3:30 4:30 5:30 6:30 7:30 8:30	5:41 6:41 7:41 8:41 9:41 10:41 11:41 12:41 1:41 2:41 3:41 5:41 6:41 7:41 8:41	5:51 6:51 7:51 8:51 9:51 10:51 1:51 1:51 1:51 1:51 3:51 4:51 5:51 6:51 7:51 8:51	5:57 6:57 7:57 8:57 9:57 10:57 11:57 12:57 1:57 3:57 4:57 5:57 6:57 7:57 8:57	5 6:07 7:07 8:07 9:07 10:07 11:07 12:07 1:07 2:07 3:07 4:07 5:07 6:07 7:07 8:07 9:07	6:19 7:19 8:19 9:19 10:19 11:19 12:19 2:19 3:19 4:19 5:19 6:19 7:19 8:19 9:19	6:37 7:37 8:37 9:37 10:37 11:37 1:37 2:37 1:37 2:37 4:37 5:37 6:37 6:37 7:37 8:37 9:37	8 6:51 7:51 8:51 9:51 10:51 11:51 12:51 1:51 2:51 2:51 3:51 4:51 5:51 6:51 7:51 8:51 9:51	8 6:00 7:00 8:00 9:00 10:00 12:00 12:00 1:00 2:00 4:00 5:00 6:00 7:00 8:00	6:08 7:08 8:08 9:08 10:08 11:08 1:08 2:08 3:08 4:08 5:08 6:08 7:08 8:08	6 6:26 7:26 8:26 9:26 10:26 11:26 12:26 3:26 4:26 5:26 6:26 5:26 6:26 7:26 8:26	6:40 7:40 8:40 9:40 11:40 12:40 1:40 2:40 3:40 4:40 5:40 6:40 7:40 8:40	4 6:48 7:48 8:48 9:48 10:48 11:48 12:48 1:48 1:48 3:48 3:48 5:48 6:48 7:48 8:48	3 6:55 7:55 8:55 9:55 10:55 11:55 2:55 1:55 2:55 3:55 5:55 6:55 7:55 8:55	7:06         7:21           8:06         8:21           9:06         9:21           10:06         10:21           11:06         11:21           12:06         2:21           3:06         3:21           4:06         3:21           4:06         4:21           5:06         5:21           6:06         6:21           7:06         7:21           8:06         8:21           9:06         9:21
							Satu	ırday						
SE	MINOLI TO U	E STATE JNIVER	E COLLI SITY O	EGEALT FCENT	RAL FL	TE CAM ORIDA	PUS	SE	UNIV MINOLE	STATE C	OF CEN	TRAL F	LORID	A TO CAMPUS
COLLEGE ALTAMONTE COLLEGE ALTAMONTE CAMPUS	58 434 & MARKHAM WOODS RD.	Congwood Sunrail	5:57 5:57 5:57	20:5.0 20:0 20:0 20:0 20:0 20:0 20:0 20:0 20	001ED0 6:13 6:13 16:2 16:2 16:2 16:2 16:2 16:2 17:2 17:2 17:2 17:2 17:2 17:2 17:2 17	423 423 423 424 424 424 424 424	CINCERSITY OF CENTRAL FLORIDA SUPERSTOP SUPERSTOP	0000 000 0	80:5 BIAFAYA TR. & BIAFAYA WOODS BLVD.	OVIEDO 0.26 0.26 0.26 0.26 0.26	05:4 05:4 05:4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ess 52.5 52.5 8.55	LONGWOOD SUNRAIL	<ul> <li>SR 434 &amp; MARKHAM WOODS RD.</li> <li>MARKHAM WOODS RD.</li> <li>Dout Ege Alfamonte</li> <li>College Alfamonte</li> <li>Campus</li> </ul>
7:30 8:30 9:30 10:30 12:30 1:30 2:30 3:30 4:30 5:30 6:30 7:30 8:30	7:41 8:41 9:41 10:41 11:41 1:41 2:41 3:41 4:41 5:41 6:41 7:41 8:41		8:57 9:57 10:57 11:57 12:57 1:57 2:57 3:57 4:57 5:57 6:57 7:57 8:57	9:07 10:07 11:07 12:07 1:07 2:07 3:07 4:07 5:07 6:07 7:07 8:07 9:07	9:19 10:19 11:19 12:19 2:19 3:19 4:19 5:19 6:19 7:19 8:19 9:19	9:37 10:37 11:37 12:37 1:37 2:37 3:37 4:37 5:37 6:37 7:37 8:37 9:37	9:51 10:51 11:51 12:51 2:51 3:51 4:51 5:51 6:51 7:51 8:51 9:51	9:00 10:00 11:00 12:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00	9:08 9:08 10:08 11:08 1:08 2:08 3:08 4:08 5:08 6:08 7:08 8:08	9:26 10:26 11:26 12:26 2:26 3:26 4:26 5:26 6:26 5:26 6:26 7:26 8:26	9:40 10:40 11:40 12:40 1:40 2:40 3:40 4:40 5:40 6:40 7:40 8:40	9:55 10:55 11:55 12:55 2:55 3:55 4:55 5:55 6:55 7:55 8:55		10:06 10:21 11:06 11:21 12:06 12:21 2:06 12:21 3:06 3:21 4:06 4:21 5:06 5:21 6:06 6:21 7:06 7:21 8:06 9:21

Link 434 Schedule





Link 443 Schedule

## Link 443





Link 443 Sunday & Holiday Schedule



# Link 9

	Saturday												
	WINT	ER PARK	TO ROSE	MONT		]	ROSE	монт то	WINTE	R PARK			
DENNING DR. & Swoope ave.	EATONVILLE CITY HALL	KENNEDY BLVD. & FOREST CITY RD.	<b>ROSEMONT</b> SUPERSTOP	NORTH LN. & PINE HILLS RD.	ROSEMONT SUPERSTOP		ROSEMONT SUPERSTOP	KENNEDY BLVD. & FOREST CITY RD.	EATONVILLE CITY HALL	DENNING DR. & Swoope ave.			
5:40 6:40 7:40 8:40 9:40 10:40 11:40 12:40 12:40 3:40 4:40 5:40 6:40 5:40 6:40 5:40 6:40 5:40 6:40 7:40 8:40	5:47 6:47 7:47 8:47 9:47 10:47 11:47 12:47 12:47 12:47 12:47 3:47 3:47 5:47 6:47 7:47 8:47	5:56 6:56 7:56 8:56 10:56 11:56 11:56 1:56 2:56 3:56 4:56 5:56 6:56 7:56 8:56	6:06 7:06 8:06 9:06 10:06 11:06 1:06 2:06 3:06 4:06 5:06 5:06 5:06 5:06 8:06 9:06	6 6:14 7:14 8:14 9:14 10:14 10:14 11:14 12:14 1:14 2:14 3:14 4:14 5:14 6:14 7:14 8:14 9:14	6.22 7:22 8:22 9:22 11:22 12:22 12:22 12:22 12:22 3:22 4:22 5:22 6:22 7:22 8:22 9:22		6:36 7:36 8:36 9:36 10:36 11:36 1:36 2:36 3:36 4:36 5:36 6:36 5:36 6:36 7:36 8:36 9:36	4 6.46 7.46 8.46 9.46 10.46 11.46 1.246 1.246 1.246 3.46 3.46 5.46 5.46 5.46 5.46 8.46 9.46 9.46	3 6:52 7:52 8:52 9:52 10:52 11:52 1:52 2:52 3:52 4:52 5:52 6:52 7:52 8:52 9:52	7:00 8:00 9:00 10:00 11:00 1:00 1:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00			
		aresi	10VVD I	in poic	i i								
	- III C	aresi	IOWNI	sun	i iday i	&	Holi	day					
	WINT	ER PARK	TO ROSE	Sun Sun	iday i	&	Holi Rose	day	WINTE	R PARK			
2 DENNING DK. 8 5:40 6:40 7:40 9:40 10:40 11:40 2:40 3:40 3:40 3:40 3:40 4:40	WINT           WINT           Build of the second sec	er PARK &	TO ROSE LINOWERSON CONTRACTOR LINOWERSON CONTRACTOR LINOS LI	Carrier Construction and Construction an	Line and a second secon	&	Holi Rose Jose Cose Cose Cose Cose Cose Cose Cose C	day MONT TO 8 . COLLA KONNEDA 6 . 45 7 . 45 9 . 45 10 . 45 11:45 12:45 12:45 14:45 1	WINTE THE ENDINITIE BEADONNIITE BEADONNII BEADONNII BEADONNII BEADONNII BEADONNI	<ul> <li>PARK</li> <li>With a state of the s</li></ul>			

P.M. Times are shown in bold





# Link 1

				Sa	turd	ay				
	WIN ALTAI	TER PARH MONTE N	( TO 1ALL			ALTAMONTE MALL TO WINTER PARK				
NEW YORK AVE. & NEW ENGLAND AVE.	DENNING DR. & SWOOPE AVE.	Eatonville City Hall	MAITLAND CENTER	altamonte Mall		ALTAMONTE MALL	MAITLAND CENTER	Eatonville City Hall	DENNING DR. & Swoope ave.	NEW YORK AVE. & NEW ENGLAND AVE.
1	2 5:15 6:15 7:15 8:15 10:15 11:15 12:15 1:15 2:15 3:15 4:15 5:15 6:15 8:15	3 5:22 6:22 7:22 9:22 10:22 11:22 12:22 12:22 3:22 4:22 5:22 6:22 6:22 7:22 8:22	5:30 6:30 7:30 9:30 10:30 11:30 12:30 12:30 12:30 3:30 4:30 5:30 6:30 7:30 8:30	5:42 6:42 7:42 8:42 9:42 10:42 11:42 12:42 12:42 12:42 12:42 3:42 5:42 5:42 6:42 7:42 8:42		5:47 6:47 7:47 9:47 10:47 11:47 12:47 12:47 1:47 2:47 3:47 5:47 6:47 7:47 9:08	4 5:59 6:59 7:59 8:59 9:59 10:59 11:59 12:59 12:59 3:59 4:59 5:59 6:59 6:59 7:59 9:20	3 6:05 7:05 8:05 9:05 10:05 11:05 12:05 1:05 3:05 3:05 3:05 5:05 6:05 7:05 8:05 8:26	2 6:10 7:10 8:10 9:10 10:10 11:10 12:10 12:10 2:10 3:10 4:10 5:10 6:10 7:10 8:10 9:31	1

P.M. Times are shown in bold



Link 1 Saturday Schedule





# Link 102

Monday - Friday

DO	WNTOW TO SOU	'N ORLAN TH 17/92	IDO	DC	SOUTH WNTOW	17/92 T (N ORLA	O N D O
STATION	& PRINCETON ST.	WEBSTER AVE. & Denning dr.	FERNWOOD BLVD & OXFORD RD.	FERNWOOD BLVD & OXFORD RD.	WEBSTER AVE. & Denning dr.	& PRINCETON ST.	LYNX CENTRAL STATION
<ul> <li>4:15</li> <li>4:45</li> <li>5:30</li> <li>6:305</li> <li>5:400</li> <li>5:450</li> <li>6:305</li> <li>6:305</li> <li>7:450</li> <li>8:305</li> <li>9:9:400</li> <li>9:9:400</li> <li>9:9:400</li> <li>9:400</li> <li>9:400</li> <li>9:400</li> <li>9:450</li> <li>10:450</li> <li>11:450</li> <li>12:450</li> <li>14:45</li> <li>5:304</li> <li>4:45</li> <li>5:304</li> <li>5:304</li> <li>5:304</li> <li>5:305</li> <li>5:455</li> <li>5:455</li> <li>5:455</li> <li>5:454</li> <li>4:454</li> <li>5:454</li> <li>5:454</li> <li>4:454</li> <li>5:454</li> <li>4:454</li> <li>4:454</li> <li>4:454</li> <li>4:454</li> <li>4:454</li> <li>4:454</li> <li>4:45</li></ul>	4:22 4:52 5:37 5:52 6:23 6:23 7:28 7:53 8:23 7:53 8:23 7:53 8:23 9:23 9:53 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 10:28 11:53 12:28 12:	3 4:35 5:05 5:551 6:02 6:27 7:27 7:37 8:07 8:27 7:37 8:07 8:27 9:37 9:22 9:37 9:22 9:37 9:22 9:37 9:22 9:37 9:22 10:07 10:52 11:07 11:27 12:27 12:27 12:27 12:27 1:27 12:27 1:27 12:27 1:27	4 5:54 5:24 5:52 6:11 6:24 6:57 7:12 7:42 7:57 8:27 8:27 8:27 8:42 9:57 10:27 10:27 10:27 10:27 10:27 10:27 11:12 11:12 11:12 11:12 11:12 11:12 11:12 11:12 12:27 12:42 1:57 2:42 3:57 4:12 3:57 4:12 3:57 4:12 3:57 4:12 3:57 4:12 3:57 5:42 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:27 5:24 5:24 5:27 5:24 5:24 5:27 5:24 5:24 5:27 5:24 5:24 5:27 5:24 5:24 5:27 5:24 5:24 5:24 5:24 5:27 5:24	4 5:12 5:25 5:40 5:53 6:28 6:23 6:23 7:28 7:28 7:28 8:08 8:23 9:53 10:08 9:53 10:08 9:53 10:23 9:53 10:08 11:28 11:28 12:28 1	5:30 5:43 5:543 6:283 6:283 6:58 7:13 7:43 8:283 8:283 9:253 10:283	2 5:41 5:55 6:05 6:45 7:10 7:25 8:40 9:25 9:10 7:55 8:40 8:25 9:10 10:25 9:25 9:25 9:10 10:25 11:10 12:55 10:10 12:55 10:10 12:55 10:10 12:55 10:10 12:55 10:10 12:55 10:10 12:55 10:10 12:55 10:10 12:26 12:26 10:26 1	<ul> <li>5:50</li> <li>6:05</li> <li>6:20</li> <li>7:20</li> <li>7:35</li> <li>8:05</li> <li>8:05</li> <li>8:20</li> <li>8:35</li> <li>9:05</li> <li>9:20</li> <li>9:35</li> <li>9:00</li> <li>9:20</li> <li>9:35</li> <li>9:00</li> <li>9:20</li> <li>9:35</li> <li>9:00</li> <li>9:20</li> <li>9:35</li> <li>10:05</li> <li>10:20</li> <li>11:35</li> <li>11:50</li> <li>12:20</li> <li>12:35</li> <li>1:50</li> <li>1:20</li> <li>1:35</li> <li>1:50</li> <li>2:20</li> <li>2:35</li> <li>3:20</li> <li>3:35</li> <li>3:20</li> <li>5:50</li> <li>6:20</li> <li>5:50</li> <li>6:20</li> <li>7:35</li> <li>8:35</li> <li>10:35</li> <li>10:35</li> <li>12:35</li> </ul>

P.M. Times are shown in bold



Link 102 Schedule

# Link 102

	Saturday									
DO	WNTOW TO SOU	N ORLAN TH 17/92	DO	DO	SOUTH WNTOW	17/92 TO NORLAN	DO			
LYNX CENTRAL STATION	ORANGE AVE. & PRINCETON ST.	WEBSTER AVE. & Denning dr.	FERNWOOD BLVD & OXFORD RD.	FERNWOOD BLVD & OXFORD RD.	WEBSTER AVE. & Denning dr.	ORANGE AVE. & PRINCETON ST.	LYNX CENTRAL STATION			
4:45 5:15 5:45 6:45 7:15 7:45 8:45 9:45 10:45 10:45 10:45 11:45 2:45 3:15 3:44 5:45 5:45 6:15 5:45 6:15 5:45 6:15 5:45 6:15 5:45 6:15 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 11:45 5:45 6:15 5:45 6:15 11:45 5:45 6:15 5:45 10 10:45 10 10:45 10 10 10 10 10 10 10 10 10 10 10 10 10	4:53 5:23 6:23 7:23 7:23 7:23 7:23 8:53 9:23 10:23 10:23 10:23 11:23 12:23 12:23 12:23 12:23 12:23 12:23 12:23 12:23 12:23 2:53 3:23 3:23 3:23 3:53 6:23 3:53 6:23 5:53 6:23 3:52 6:23 7:52 8:52 9:52 10:52	3 5:07 5:37 6:08 6:38 7:08 7:38 8:08 8:38 9:08 9:38 10:38 11:08 12:08 12:08 12:08 12:08 12:08 12:08 138 2:38 3:38 4:08 3:38 4:08 3:38 4:08 5:38 6:08 6:38 7:06 6:08 6:38 7:06 6:08 6:05 9:05 11:05 11:05	4 5:26 6:27 7:27 7:57 9:27 9:27 9:27 10:27 10:27 10:27 12:27 1:27 1:57 2:27 3:23 3:22 3:23 3:25	4 5:25 5:25 6:23 6:23 7:23 7:53 8:23 9:23 9:23 9:23 9:23 9:23 9:23 10:23 10:23 10:23 11:23 12:53 1:23 1:23 1:23 1:23 1:23 1:23 1:23 1:23 1:23 1:23 1:53 2:23 3:23 3:53 3:23 3:53 4:53 5:25 6:24 6:56 9:56 10:56 10:56	3 5:44 6:13 6:43 7:43 8:13 9:43 10:13 11:13 12:43 11:13 12:43 1:13 1:43 2:43 3:13 3:43 4:43 5:13 5:43 6:14 7:15 8:15 8:15 10:15 11:15	2 5:56 6:26 7:56 8:26 9:26 9:56 10:26 10:26 11:26 12:26 12:26 1:26 2:26 3:26 3:26 3:26 5:26 3:26 5:27 10:27 11:27 12	1 6:05 7:35 8:05 9:35 9:35 9:35 1:05 1:35 1:05 1:35 2:05 3:35 3:35 3:35 3:35 3:35 5:35 6:35 7:35 3:35 5:35 6:35 7:35 1:3			

P.M. Times are shown in bold



Link 102 Saturday Schedule

# Link 102

		Jun	uay u	noi	iuay		
DO	WNTOW TO SOU	N ORLAN TH 17/92	DO	DO	SOUTH 1 WNTOW	17/92 TO NORLAN	DO
LYNX CENTRAL STATION	ORANGE AVE. & PRINCETON ST.	WEBSTER AVE. & Denning dr.	FERNWOOD BLVD & OXFORD RD.	FERNWOOD BLVD & OXFORD RD.	WEBSTER AVE. & Denning dr.	ORANGE AVE. & PRINCETON ST.	LYNX CENTRAL STATION
1 5:155 5:455 5:455 5:455 5:455 9:9:455 10:455 10:455 10:455 10:455 10:455 10:455 10:455 11:145 2:455 3:455 5:455 6:6455 5:455 6:6455 7:455 8:455 5:455 6:6455 7:455 8:455 10:455 5:455 6:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 5:455 6:455 6:455 5:455 6:455 6:455 6:455 6:455 6:455 6:455 6:455 6:455 6:455 8:455 6:455 8:455	5:24 5:54 6:24 7:54 8:24 9:24 9:24 9:24 10:24 10:24 10:24 10:24 10:24 10:24 11:24 11:24 11:24 12:24 12:24 1:24 2:54 3:24 3:24 3:24 3:24 3:24 3:24 3:24 3:2	<b>3</b> 5:41 6:41 7:41 8:41 9:41 10:41 10:41 10:41 10:41 10:41 10:41 10:41 10:41 11:11 1:41 1:4	4 6:02 6:32 7:02 7:32 8:02 8:32 9:02 9:32 10:02 10:02 10:32 11:02 11:02 12:02 12:02 2:32 3:32 4:02 3:32 4:02 3:32 4:02 3:32 5:02 5:32 6:59 7:59 8:59 9:59 9:59	5.19 6.48 7.18 8.48 9.48 9.48 9.48 10.48 11.48 11.48 12:18 12:48 12:48 12:48 12:48 12:48 12:48 12:48 12:48 12:48 2:48 3:48 3:48 5:48 5:48 5:48 5:48 5:48 5:48 5:48 5	3 5:39 6:39 7:09 7:39 8:39 9:39 9:39 10:09 10:39 11:09 11:39 12:39 1:09 12:39 1:09 2:39 3:09 2:39 3:39 4:09 2:39 3:39 4:09 5:39 6:40 7:10 8:40 7:40 8:10 8:10 8:10 8:10 9:40 10:40	2 5:56 6:56 7:26 7:26 9:26 9:26 9:26 9:26 10:26 11:26 11:26 1:26 1:26 1:26 2:26 2:26	10.05 7.35 8.05 9.05 10.05 11.05 11.35 12:35 3:05 3:35 4:35 5:35 6:05 7:35 8:35 5:35 6:35 7:35 8:35 5:35 6:35 7:35 8:35 8:35 8:35 8:35 9:35 10:05 7:35 8:35 8:35 8:35 8:35 8:35 8:35 8:35 8

Sunday & Holiday

P.M. Times are shown in bold



Link 102 Weekend Schedule

Link 40 Americana Boulevard/ Universal Orlando Monday–Sunday & Holiday service SERVING: LYNX Central Station Orlando Amtrak Station Orlando Regional Medical Center Arnold Palmer Hospital W. Michigan St. Conroy Rd. Walden Circle The Mall at Millenia Universal Orlando



## Link 40

DOWNTOW	DOWNTOWN ORLANDO TO UNIVERSAL ORLANDO					UNI	/ERSAL (	ORLAND	O TO DO	WNTOWI	N ORLA	ND0
IYNX CENTRAL STATION ORANGE AVE & MICHIGAN ST.	RIO GRANDE AVE. & MICHIGAN ST.	AMERICANA BLVD. & TEXAS AVE.	WALDEN CIR. & VINELAND RD.	UNIVERSAL ORLANDO PARKING GRGE.	UNIVERSAL EMPLOYMENT CENTER	UNIVERSAL EMPLOYMENT CENTER	UNIVERSAL ORLANDO PARKING GRGE.	WALDEN CIR. & VINELAND RD.	AMERICANA BLVD. & TEXAS AVE.	RIO GRANDE AVE. & MICHIGAN ST.	ORANGE AVE & MICHIGAN ST.	IYNX CENTRAL STATION
1         2           4:00         4:22           4:45         5:07           5:45         6:10           6:45         7:10           7:45         8:10           8:45         9:10           9:45         10:11           10:45         11:11           11:45         12:11           1:45         12:11           1:45         2:11           1:45         2:11           1:45         3:11           3:45         4:07           4:45         5:07           5:45         6:07           7:45         8:07           8:45         9:07           9:45         10:07           11:45         11:07           11:45         12:07           P.M. Times         12:07	3 4:27 5:12 6:17 7:17 9:17 10:18 11:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:18 1:14 6:14 7:14 9:14 1:14 1:214 1:24 1:24 1:24 1:24 1:25	4:37 5:23 6:29 7:29 9:28 10:29 11:29 1:29 1:29 1:29 2:31 3:30 4:26 5:26 6:26 7:26 6:26 7:26 10:26 11:26	4:46 5:34 6:40 7:40 9:39 10:40 11:40 1:40 2:42 3:41 4:37 5:37 6:37 7:37 8:37 9:37 10:37 11:37 12:37 12:37	6 5.02 5.50 6.56 7:56 9:55 10:56 11:56 12:56 1:56 2:58 3:57 4:53 5:53 5:53 5:53 9:53 10:53 11:53 11:53	5:11 5:59 7.05 8:05 9.05 10:04 11:05 2:05 3:07 4:06 6:02 7:02 8:02 7:02 8:02 9:02 10:02 11:02 11:02	4.27 5.18 6.18 7.18 8.20 9.20 10.20 11:20 12:20 1:20 2:17 3:17 4:17 5:17 6:25 7:25 8:25 9:25 10:25 11:25	4.35 5.26 6.26 7.26 9.28 10.28 11.28 12:28 12:28 3:25 5:25 6:33 7:33 9:33 10:33 11:33 12:33	4:49 5:42 6:42 7:42 8:44 9:44 10:44 11:44 12:44 1:44 2:41 3:41 5:41 6:48 7:48 8:48 9:48 10:48 11:48 12:48	4:59 5:54 6:54 7:54 8:56 9:56 10:56 11:56 12:56 1:56 2:54 3:54 4:54 5:54 6:58 7:58 8:58 9:58 10:58 11:58 11:58	3 5.09 6.05 7.05 8.05 9.06 10.06 11.06 11.06 2:06 3:05 4:05 5:05 6:05 7:08 8:08 9:08 10:08 11:08 12:08	2 515 612 712 913 10.13 11.13 12:13 3.12 4:12 5:12 7:15 8:15 9:15 10:15 11:15 12:15 1.15	5:35 6:35 7:35 9:35 10:35 11:35 12:35 3:35 4:35 5:35 6:35 7:35 8:35 9:35 10:35 11:35 12:35 11:35

Monday - Saturday

### Sunday & Holiday

Image: Second state	DOWNTOWN ORLANDO TO UNIVERSAL ORLANDO	UNIVERSAL ORLANDO TO DOWNTOWN ORLANDO
1         2         3         4         5         6         6         5         4         3         2         1           4:45         4:57         5:02         5:09         5:17         5:28         5:42         5:55         6:05         7:14         7:21         7:35           5:45         5:57         6:03         6:12         6:21         6:34         6:42         6:55         7:05         7:14         7:21         7:35           6:45         7:00         7:06         7:15         7:24         7:37         7:42         7:55         8:05         8:14         8:21         8:35           7:45         8:00         8:06         8:15         8:24         8:37         8:42         8:55         9:05         9:14         9:21         9:35           9:45         9:00         9:06         9:15         9:24         9:37         9:42         9:55         10:05         11:14         11:21         11:35           9:45         10:00         10:06         10:15         11:24         11:37         11:42         11:55         12:05         12:14         12:21         12:35           11:45         12:00         12:06	LYNX CENTRAL STATION ORANGE AVE & MICHIGAN ST. RIO GRANDE AVE. & MICHIGAN ST. AMERICANA BLVD. & LYD. & WALDEN CIR. & VINELAND RD. UNIVVESAL UNIVVESAL ORLANDO ORLANDO ORLANDO	UNIVERSAL ORLANDO PARKING GRGE. WALDEN CIR. & WALDEN CIR. & WINELAND RD. AMERICANA AMERICANA AMERICANA EXAS AVE. RIO GRANDE AVE. & MICHIGAN ST. ORANGE AVE & MICHIGAN ST. IYNX CENTRAL STATION
P.M. Times are shown in bold	1       2       3       4       5       6         4:45       4:57       5:02       5:09       5:17       5:28         5:45       5:57       6:03       6:12       6:21       6:34         6:45       7:00       7:06       7:15       7:24       7:37         7:45       8:00       8:06       8:15       8:24       8:37         8:45       9:00       9:06       9:15       9:24       9:37         9:45       10:00       10:06       10:15       10:24       10:37         10:45       11:00       10:06       11:15       11:24       11:37         11:45       12:00       12:06       12:15       12:24       12:37         1:45       2:00       2:06       2:15       2:24       2:37         2:45       3:00       3:06       3:15       3:24       3:37         3:45       4:00       4:06       3:15       3:24       3:37         3:45       4:00       4:06       4:15       5:24       5:37         5:45       6:00       6:06       6:15       6:24       6:37         6:45       7:00       7:06       7:15	6543215:425:556:056:146:216:356:426:557:057:147:217:357:427:558:058:148:218:359:429:5510:0510:1410:2110:3510:4210:5511:0511:1411:2111:3511:4211:5512:0512:1412:2112:3512:4212:553:053:143:213:353:423:554:054:144:214:355:425:556:056:146:215:356:426:557:057:147:217:357:427:558:058:148:218:35





## Link 45





Link 45 Saturday Schedule

## Link 46 East

#### SR 46/Downtown Sanford

Monday–Saturday service No Sunday/Holiday service

#### SERVING:

- Downtown Sanford Central Florida Regional Hospital Seminole County Services Building Central Florida Family Health Center Sandford SunRail Station
- NeighborLink 651





Link 46E Schedule

## Link 46 East

I.V.	ionady inv	uay		
SANFORD SUNRAIL	TO CENT CENT	RAL FLORI TO SANFO	DA FAMI DRD SUN	LY HEALTH RAIL
SANFORD SUNRAIL CELERY AVE. & CELERY AVE. & AVE. CENTRAL FL CONTRAL FL	CENTER HEALIN	CENTRAL FL FAMILY HEALTH CENTER	Celeky ave. & Summerlin Ave.	SANFORD SUNRAIL
1         2         3           6:00         6:16         6:30           6:30         6:46         7:00           7:00         7:16         8:00           8:00         8:16         9:33           9:00         9:16         9:33           10:00         10:16         10:33           10:00         10:16         12:33           10:00         12:16         12:33           3:00         3:16         3:33           4:30         4:46         5:00           5:30         5:46         6:00           6:00         6:16         6:33           6:30         6:46         7:0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5:30 6:00 6:30 7:00 7:30 8:30 9:30 10:30 10:30 10:30 11:30 12:30 3:30 4:30 5:00 5:30 6:00 6:00 6:30 7:00 7:00 7:30 12:30 5:30 6:00 7:30	2 5:44 6:14 6:44 7:14 7:44 9:44 10:44 10:44 10:44 10:44 10:44 10:44 11:44 2:44 3:44 4:44 5:14 5:14 6:14 6:44	1 6:00 6:30 7:30 7:30 9:00 10:00 11:00 12:00 1:00 2:00 3:00 4:00 5:30 6:30 7:30

Monday - Friday







Link 21 Schedule

## Link 21

				N	/londay	- Frid	ay				
DOWN	rown or	LANDO	TO SAND	LAKE	OMMONS	SAND L	AKE COI	ммомѕ т	o down	TOWN O	RLANDO
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Monday - Friday

Page 63

## Link 21

	Saturday										
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LYNX CENTRAL STATION WASHINGTON SHORES SUPERSTOP VALENCIA	COLLEGE WEST UNIVERSAL DRLANDO PARKING GARAGE	TURKEY LAKE RD. & Panther Way	SAND LAKE COMMONS	SAND LAKE COMMONS	TURKEY LAKE RD. & PANTHER WAY	UNIVERSAL ORLANDO PARKING GARAGE	VALENCIA COLLEGE WEST	WASHINGTON SHORES SUPERSTOP	LYNX CENTRAL STATION		
4:45       5:08       5:         5:15       5:38       5:         5:45       6:08       6:         6:15       6:38       6:         6:45       7:08       7:         7:15       7:38       7:         7:45       8:08       8:         8:45       9:08       9:         9:45       10:08       10:         10:15       10:38       10:         10:45       11:08       11:         11:45       12:38       12:         12:45       1008       12:         12:15       12:38       12:         12:45       1008       12:         12:45       108       1:         11:45       2:38       2:         2:15       2:38       2:         2:15       2:38       3:         3:15       3:38       3:         3:45       4:08       4:         4:45       5:08       5:         5:15       5:35       5:         5:15       5:33       6:         6:45       7:03       7:         7:15       7:33       7:	4         23       5:43         53       6:13         23       5:43         53       6:13         53       7:13         23       7:43         53       9:13         23       9:43         53       9:13         23       9:43         53       9:13         23       9:43         53       10:13         23       10:43         53       11:13         23       12:43         53       2:13         23       1:43         53       2:13         23       1:43         53       5:11         23       2:43         53       5:11         23       2:43         53       5:11         23       2:43         53       5:11         23       2:43         53       5:11         23       5:41         45       7:03         15       7:33         45       9:03*         45       10:03* 1         45       10:03* 1	5:53 6:23 6:23 6:53 7:23 8:23 8:53 9:23 9:23 9:23 9:23 9:23 9:23 9:23 0:23 0:23 11:23 11:23 2:23 2:53 2:23 2:53 2:23 2:53 2:23 2:53 2:23 2:53 2:23 2:53 2:5	6 6:02 6:32 7:02 7:32 8:02 9:32 10:02 10:32 11:02 11:02 11:02 12:32 2:02 2:32 3:02 3:31 4:01 4:31 5:29 5:59 6:23 6:53 7:21 7:51 8:21 9:21 10:21 11:21 12:21 1:21 SAL	4:32 5:02 5:28 5:58 6:23 7:20 8:20 8:20 9:50 10:20 9:50 10:20 10:20 10:50 11:20 11:50 12:20 11:50 12:20 11:50 12:20 11:50 12:20 3:18 3:48 4:15 4:45 5:15 5:45 6:20 6:50 7:22 8:25 9:25 10:25 11:25 11:25 11:25 11:25 *THESE	4:42 5:13 5:38 6:08 6:33 7:03 8:00 9:00 9:30 10:00 10:	4 4:48 5:14 6:14 6:39 7:09 7:39 8:06 8:36 9:06 9:36 10:06 10:06 10:06 10:06 10:06 10:06 11:06 12:36 11:06 12:36 1:36 1:36 2:06 2:36 3:34 4:04 4:34 5:34 6:39 7:09 7:41 1:31 8:41 9:41* 10:41* 11:41* WILL NO AGE ON S FOR	3 5:00 5:56 6:26 7:56 8:26 8:56 9:56 10:26 10:26 10:26 10:26 10:26 11:26 12:26	2 5:12 5:42 6:10 6:40 7:10 7:10 8:40 9:10 9:10 9:10 10:40 11:10 11:40 12:10 12:40 1:10 12:40 1:10 12:40 3:10 3:40 5:42 6:10 1:40 1:12 1:12 8:42 9:12 10:12 11:12 1:12 1:12 E UNIVER	1 5:35 6:05 6:35 7:05 7:35 8:35 9:05 9:35 1:05 1:35 1:05 1:35 2:35 3:35 4:35 5:35 6:35 5:35 6:35 7:35 8:35 9:35 1:35 1:35 1:35 5:35 6:35 7:35 8:35 9:35 1:35 5:35 6:35 7:35 8:35 9:35 1:35 8:35 9:35 8:35 9:35 1:35 8:35 9:35 8:35 9:35 8:35 8:35 9:35 8:35 8:35 9:35 8:35 9:35 1:35 8:35 8:35 8:35 8:35 8:35 8:35 9:35 1:35 8:3		





### Link 8

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LYNX CENTRAL STATION	PARRAMORE AVE. & GORE ST.	O.B.T & HOLDEN AVE.	RIO GRANDE AVE. & OAK RIDGE RD.	ORLANDO PREMIUM OUTLETS INT'L DR.	ORANGE COUNTY CONVENTION CENTER	CENTRAL FL PKWY. & WESTWOOD BLVD.	CENTRAL FL PKWY. & INTERNATIONAL DR.	ORLANDO PREMIUM OUTLETS VINELAND AVE.	L LYNX CENTRAL STATION	PARRAMORE AVE. & GORE ST.	O.B.T & HOLDEN AVE.	RIO GRANDE AVE. & OAK RIDGE RD.	ORLANDO PREMIUM OUTLETS INT'L DR.	ORANGE COUNTY CONVENTION CENTER	CENTRAL FL PKWY. & WESTWOOD BLVD.	CENTRAL FL PKWY. & INTERNATIONAL DR.	ORLANDO PREMIUM OUTLETS VINELAND AVE.
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## Link 8

	Monday - Friday													
INTERNATIONAL DRIVE TO DOWNTOWN ORLANDO														
OUTLETS VINELAND AVE. OUTLETS VINELAND AVE. CENTRAL FL PKWY & INTERNATIONAL DR. CENTRAL FL PKWY & CENTRAL FL PKWY & CENTRAL FL PKWY & ORANGE OUNTY ORANGE OUNTY ORANDE AVE. RIO GRANDE AVE. & OAK RIDGE RD. O.B.T & HOLDEN AVE.	PARRAMORE AVE. & GORE ST. LYNX CENTRAL STATION	I ORLANDO PREMIUM OUTLETS VINELAND AVE.	CENTRAL FL PKWY. & INTERNATIONAL DR.	CENTRAL FL PKWY. & WESTWOOD BLVD.	ORANGE COUNTY CONVENTION CENTER	ORLANDO PREMIUM OUTLETS INT'L DR.	RIO GRANDE AVE. & OAK RIDGE RD.	0.B.T & HOLDEN AVE.	PARRAMORE AVE. & GORE ST.	LYNX CENTRAL STATION				
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## Link 8

Saturday																	
	DOWN	TOWN C	RLAN	DO TO I	NTERN/	TIONA	L DRIV	E		INTERN	ATION		E TO DO	OWNTO	WN OR	LANDO	
LYNX CENTRAL STATION	PARRAMORE AVE. & GORE ST.	O.B.T & HOLDEN AVE.	RIO GRANDE AVE. & OAK RIDGE RD.	ORLANDO PREMIUM OUTLETS INT'L DR.	ORANGE COUNTY CONVENTION CENTER	CENTRAL FL PKWY. & WESTWOOD BLVD.	CENTRAL FL PKWY. & INTERNATIONAL DR.	ORLANDO PREMIUM OUTLETS VINELAND AVE.	ORLANDO PREMIUM OUTLETS VINELAND AVE.	CENTRAL FL PKWY. & INTERNATIONAL DR.	CENTRAL FL PKWY. & WESTWOOD BLVD.	ORANGE COUNTY CONVENTION CENTER	ORLANDO PREMIUM OUTLETS INT'L DR.	RIO GRANDE AVE. & OAK RIDGE RD.	O.B.T & HOLDEN AVE.	PARRAMORE AVE. & GORE ST.	LYNX CENTRAL STATION
4:45 5:15 5:45 6:15 6:20	2 4.57 5:27 5.57 6.27 6.42	<b>3</b> 5:09 5:39 6:09 6:39 6:54	4 5:21 5:51 6:21 6:51 7:06	5:34 6:04 6:34 7:04 7:10	<b>6</b> 5:52 6:22 6:52 7:22 7:22	6:31 7:31	8 6:01 7:01	9 6:11 6:41 7:11 7:41 7.56	9 5:05 5:35 6:05 6:26	<b>8</b> 5:45	<b>7</b> 5:15 6:15	5:24 5:54 6:24	5:16 5:46 6:16 6:46 7:16	4 5:30 6:00 6:30 7:00 7:20	<b>3</b> 5:41 6:11 6:41 7:11 7:41	2 5:53 6:23 6:53 7:23 7:52	6:05 6:35 7:05 7:35 8:05
6:30 6:45 7:00 7:15 7:30 7:45	6.57 7:12 7:27 7:42 7:57	6:54 7:09 7:24 7:39 7:54 8:09	7:06 7:22 7:37 7:52 8:07 8:22	7:35 7:50 8:05 8:20 8:35	7:53 8:08 8:23 8:38 8:53 0.00	8:32	8:02 8:17 8:47 9:02	8:12 8:27 8:42 8:57 9:12	6.35 7:05 7:35 8:05 8:35 9:05	0:45 7:45 8:45	7:15 8:15 9:15	0:54 7:24 7:54 8:24 8:54 9:24	7:46 8:16 8:46 9:16 9:46	7:30 8:00 8:30 9:00 9:30 10:00	9:11 9:41 9:41 10:11	9:53 9:23 9:53 10:23	8:05 8:35 9:05 9:35 10:05 10:35
8:15 8:45 9:15 9:45 10:15 10:45	8:27 8:57 9:27 9.57 10:27 10:57	8:39 9:09 9:39 10:09 10:39 11:09	8:52 9:22 9:52 10:22 10:52 11:22	9:05 9:35 10:05 10:35 11:05 11:35	9:23 9:53 10:23 10:53 11:23 11:53	9:32 10:32 11:32	10:02 11:02 <b>12:02</b>	9:42 10:12 10:42 11:12 11:42 <b>12:12</b>	9:35 10:05 10:35 11:05 11:35 12:05	9:45 10:45 11:45	10:15 11:15 <b>12:15</b>	9:54 10:24 10:54 11:24 11:54 <b>12:24</b>	10:16 10:46 11:16 11:46 12:16 12:46	10:30 11:00 11:30 12:00 12:30 1:00	10:41 11:11 11:41 12:11 12:41 12:41 1:11	10:53 11:23 11:53 12:23 12:53 1:23	11:05 11:35 12:05 12:35 1:05 1:35
11:15 11:45 12:15 12:45 1:15 1:45	11:27 11:57 12:27 12:57 1:27 1:27 1:57	11:39 12:09 12:39 1:09 1:39 2:09	11:52 12:22 12:52 1:21 1:51 2:21	12:05 12:35 1:05 1:34 2:04 2:34	12:23 12:53 1:27 1:56 2:26 2:56	12:32 1:36 2:35	1:02 2:05 3:05	12:42 1:12 1:46 2:15 2:45 3:15	12:35 1:05 1:35 2:03 2:33 3:03	12:45 1:45 2:43	1:15 2:13 3:13	12:54 1:24 1:54 2:22 2:52 3:22	1:16 1:46 2:16 2:44 3:14 3:44	1:30 2:00 2:30 2:58 3:28 3:58	1:41 2:11 2:41 3:10 3:40 4:10	1:53 2:23 2:53 3:23 3:53 4:23	2:05 2:35 3:05 3:35 4:05 4:35
2:15 2:45 3:15 3:45 4:15 4:45	2:27 2:57 3:27 3:57 4:27 4:57	2:39 3:09 3:39 4:09 4:39 5:00	2:51 3:21 3:51 4:21 4:51 5:21	3:04 3:34 4:04 4:34 5:04 5:33	3:26 3:56 4:26 4:56 5:25 5:54	3:34 4:34 5:33	4:05 5:05	3:42 4:15 4:42 5:15 5:41 6:13	3:33 3:48 4:03 4:18 4:33 5:03	3:43 3:58 4:28 4:43	4:13	3:52 4:07 4:22 4:37 4:52 5:22	4:14 4:29 4:44 4:59 5:14 5:44	4:28 4:43 4:58 5:13 5:28 5:58	4:40 4:55 5:10 5:25 5:40 6:10	4:53 5:08 5:23 5:38 5:53 6:23	5:05 5:20 5:35 5:50 6:05 6:35
4:45 5:15 5:45 6:15 6:45 7:15	5:27 5:57 6:27 6:57 7:27	5:09 5:39 6:09 6:39 7:09 7:39	5:21 5:51 6:21 6:51 7:21 7:51	6:04 6:33 7:04 7:33 8:04	6:25 6:54 7:25 7:54 8:25	6:33 7:33 8:33	8:03 8:03	6:41 7:13 7:41 8:13 8:41	5:03 5:36 6:05 6:36 7:05 7:36	5:46 6:46 7:46	6:15 7:15	5:22 5:55 6:24 6:55 7:24 7:55	6:17 6:46 7:17 7:46 8:17	6:31 7:00 7:31 8:00 8:31	6:42 7:11 7:42 8:11 8:42	6:53 7:23 7:53 8:23 8:53	7:05 7:35 8:05 8:35 9:05
7:45 8:15 8:45 9:15 10:15 P M	7:57 8:27 8:57 9:27 10:27	8:09 8:39 9:09 9:39 10:39	8:21 8:51 9:21 9:51 10:51	8:33 9:04 9:33 10:04 11:04	8:54 9:25 9:54 10:25 11:25	9:33 10:33 11:33	9:03 10:03	9:13 9:41 10:13 10:41 11:41	8:05 8:36 9:05 9:36 10:05 10:36	8:46 9:46 10:46	8:16 9:16 10:16	8:24 8:55 9:24 9:55 10:24 10:55	8:46 9:17 9:46 10:17 10:46 11:17	9:00 9:31 10:00 10:31 11:00 11:31	9:11 9:42 10:11 10:42 11:11 11:42	9:23 9:53 10:23 10:53 11:23 11:53	9:35 10:05 10:35 11:05 11:35 12:05

P.M. Times are shown in bold



## Link 8

	Sunday & Holiday																	
	DOWN	TOWN C	RLAND	ю то н	NTERN/	TIONA	L DRIVE				INTERN	ATION	AL DRI	VE TO D	OWNT	OWN OF	RLANDO	)
								Ψ		/Ε.								
LYNX CENTRAL STATION	PARRAMORE AVE. & GORE ST.	O.B.T & HOLDEN AVE.	RIO GRANDE AVE. & OAK RIDGE RD.	ORLANDO PREMIUM OUTLETS INT'L DR.	ORANGE COUNTY CONVENTION CENTER	CENTRAL FL PKWY. & WESTWOOD BLVD.	CENTRAL FL PKWY. & INTERNATIONAL DR.	ORLANDO PREMIUM OUTLETS VINELAND AV		ORLANDO PREMIUM OUTLETS VINELAND AV	CENTRAL FL PKWY. & INTERNATIONAL DR.	CENTRAL FL PKWY. & WESTWOOD BLVD.	ORANGE COUNTY CONVENTION CENTER	ORLANDO PREMIUM OUTLETS INT'L DR.	RIO GRANDE AVE. & OAK RIDGE RD.	O.B.T & HOLDEN AVE.	PARRAMORE AVE. & GORE ST.	LYNX CENTRAL STATION
1	2	3	4	5	6	7	8	9		9	8	7	6	5	4	3	2	1
4:45	4:57	5:09	5:21	5:34	5:52	-	5:58	6:05		•	-	•	-	5:16	5:30	5:41	5:53	6:05
5:45	5:57	6:09	6:21	6:34	6:52		6:58	7:05		5:09	5:16		5:24	5:46	6:00	6:11	6:23	6:35
6:15	6:27	6:39	6:52	7:05	7:23	7:29		7:36		5:39		5:46	5:54	6:16	6:30	6:41	6:53	7:05
6:30	6:42	6:54	7:06	7:19	7:37		7:43	7:50		6:09	6:16	C (C	6:24	6:46	7:00	7:11	7:23	7:35
0:45 7:00	0:57	7:09	7.37	7:35	7:53		7:59 8-14	8:06		6:39 7:09	7-16	6:40	0:54	7:10	7:30	7:41 8-11	8.23	8:05
7:15	7:27	7:39	7:52	8:05	8:23	8:29	0.14	8:36		7:39	7.10	7:46	7:54	8:16	8:30	8:41	8:53	9:05
7:30	7:42	7:54	8:07	8:20	8:38		8:44	8:51		8:09	8:16		8:24	8:46	9:00	9:11	9:23	9:35
7:45	7:57	8:09	8:22	8:35	8:53		8:59	9:06		8:39		8:46	8:54	9:16	9:30	9:41	9:53	10:05
8:15	8:27	8:39	8:52	9:05	9:23	9:29		9:36		9:09	9:16		9:24	9:46	10:00	10:11	10:23	10:35
8:45	8:57	9:09	9:22	9:35	9:53		9:59	10:06		9:39		9:46	9:54	10:16	10:30	10:41	10:53	11:05
9:15	9:27	9:39	9:52	10:05	10:23	10:29	10.50	10:36		10:09	10:16	10.10	10:24	10:46	11:00	11:11	11:23	11:35
9:45	9:57	10:09	10:22	10:35	10:53	11.20	10:59	11:06		11:09	11-16	10:40	11:24	11:10	12.00	12.11	12.23	12:05
10:45	10:57	11:09	11:22	11:35	11:53	11.20	11:59	12:06		11:39		11:46	11:54	12:16	12:30	12:41	12:53	1:05
11:15	11:27	11:39	11:52	12:05	12:23	12:29		12:36		12:09	12:16		12:24	12:46	1:00	1:11	1:23	1:35
11:45	11:57	12:09	12:22	12:35	12:53		12:59	1:06		12:39		12:46	12:54	1:16	1:30	1:41	1:53	2:05
12:15	12:27	12:39	12:51	1:04	1:26	1:32		1:39		1:09	1:16		1:24	1:46	2:00	2:11	2:23	2:35
12:45	12:57	1:09	1:21	1:34	1:56		2:02	2:09		1:39		1:46	1:54	2:16	2:30	2:41	2:53	3:05
1:15	1:27	1:39	1:51	2:04	2:26	2:32	2.00	2:39		2:07	2:14	~ / /	2:22	2:44	2:58	3:10	3:23	3:35
2.15	2.27	2:09	2:21	3.04	3.26	3.32	3:02	3:09		2:37	3.14	2:44	3.22	3:14	3:28	3:40	3:53	4:05
2:45	2:57	3:09	3:21	3:34	3:56	3.32	4:02	4:09		3:37	5.14	3:44	3:52	4:14	4:28	4:40	4:53	5:05
3:15	3:27	3:39	3:51	4:04	4:26	4:32		4:39		3:52	3:59		4:07	4:29	4:43	4:55	5:08	5:20
3:45	3:57	4:09	4:21	4:34	4:56		5:02	5:09		4:07	4:14		4:22	4:44	4:58	5:10	5:23	5:35
4:15	4:27	4:39	4:51	5:03	5:24	5:30		5:37		4:22	4:29		4:37	4:59	5:13	5:25	5:38	5:50
4:45	4:57	5:09	5:21	5:34	5:56		6:02	6:09		4:37		4:44	4:52	5:14	5:28	5:40	5:53	6:05
5:15	5:27	5:39	5:51	6:03	6:24	6:30	7.00	6:37		5:07	5:14	E.(/	5:22	5:44	5:58	6:10	6:23	6:35
5:45 6-15	6.27	6.39	6.51	7.03	0:56	7.30	7:02	7:09		5:37	6.16	0:44	5:52	6.46	7.00	0:40	7.23	7:05
6:45	6:57	7:09	7:21	7:34	7:56		8:02	8:09		6:39	0.10	6:46	6:54	7:16	7:30	7:41	7:53	8:05
7:15	7:27	7:39	7:51	8:03	8:24	8:30		8:37		7:09	7:16		7:24	7:46	8:00	8:11	8:23	8:35
P.M.	. Time	s are s	shown	n in bo	ld					7:39		7:46	7:54	8:16	8:30	8:41	8:53	9:05
										8:09	8:16		8:24	8:46	9:00	9:11	9:23	9:35
										8:39		8:46	8:54	: 9:16:	9:30	: 9:41	9:53	10:05

P.M. Times are shown in bold

Page 43





### Link 11

					Saturday					
DOW	NTOWN	ORLAN	IDO TO	0.I.A.		0.I.A. 1	ro dov	NTOW	N ORLA	NDO
LYNX CENTRAL STATION	ORANGE AVE. & MICHIGAN ST.	ORANGE AVE. & Office CT.	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT		ORLANDO INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	ORANGE AVE. & OFFICE CT.	ORANGE AVE. & MICHIGAN ST.	LYNX CENTRAL STATION
4:15 5:15 5:45 6:15 5:45 6:45 7:45 8:15 9:45 10:15 10:45 11:45 12:15 12:45 11:45 12:15 1:45 2:15 3:45 4:45 5:45 5:45 5:45 6:45 5:45 5:45 5	4:31 5:01 5:31 6:02 6:32 7:02 8:02 8:02 9:02 9:32 10:02 10:02 11:32 12:02 11:32 12:02 1:32 2:02 3:32 4:02 5:32 6:02 6:32 7:02 1:32	3 4:39 5:09 5:39 6:11 6:41 7:11 8:11 8:11 8:11 9:41 10:11 10:11 10:11 10:11 11:41 11:41 12:11 1:41 1:	4	5 4:53 5:53 6:27 6:57 7:27 7:57 8:27 9:57 10:27 10:27 10:27 11:27 11:57 12:27 1:27 1:57 2:27 3:27 3:57 4:27 4:27 5:57 6:57 6:57 6:57 6:57 6:57 7:23 8:23 9:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:23 10:25 10:27 10:57 10	4	5 5:13 5:41 6:09 6:39 7:09 8:09 8:39 9:09 9:39 10:09 10:09 10:39 11:09 12:09 12:09 12:39 1:39 2:09 2:39 3:39 4:09 4:39 5:39 6:09 6:41 7:28 10:28	4	5:27 5:55 6:25 6:55 7:55 8:25 8:55 9:25 10:25 10:25 11:25 12:25 12:25 12:25 12:25 1:25 1	2 5:36 6:05 6:35 7:05 7:05 8:05 9:05 9:05 9:05 10:05 10:05 11:05 12:05 12:05 2:35 3:05 3:05 3:05 5:05	5:50 6:20 6:50 7:20 7:20 7:20 9:50 9:20 9:20 9:20 9:20 10:20 10:50 11:20 12:20 12:50 12:20 2:20 2:20 2:20 2:20 3:20 3:20 3:20 3:20 3:20 3:20 5:50 6:20

Page 49

### Link 11







Link 28 Schedule

### Link 28

Monday - Friday													
DOWNTOWN ORLANDO TO AZALEA PARK AZALEA PARK TO DOWNTOWN ORLANDO													
IYNX CENTRAL STATION ORLANDO FASHION SQUARE	COLONIAL DR. & SEMORAN BLVD.	ALDER DR. & BAMBOO DR.	SEMORAN BLVD. & CURRY FORD RD.	SEMORAN BLVD. & CURRY FORD RD.	COLONIAL DR. & SEMORAN BLVD.	ORLANDO FASHION SQUARE	LYNX CENTRAL STATION						
4:15         4:27           4:45         4:57           5:15         5:27           5:45         6:59           7:15         7:29           7:45         7:59           8:45         8:59           9:15         9:30           10:45         10:00           10:15         12:30           12:45         1:00           11:45         12:30           12:45         1:00           11:45         12:00           2:15         2:30           2:45         3:00           3:15         3:31           3:45         4:01           4:15         4:31           4:45         5:01           6:45         7:01           7:45         7:57           8:45         9:57           9:45         9:57           9:45         9:57           9:45         9:57           9:45         9:57           9:45         9:57           9:45         9:57           9:45         9:57           9:45         9:57           9:455         9:57	3 4:33 5:03 5:33 6:03 6:35 7:05 7:35 8:05 9:06 9:37 10:07 10:37 11:07 12:07 12:07 12:37 1:07 12:07 12:37 3:08 3:39 4:09 4:39 5:39 6:39 6:39 6:39 5:39 5:39 6:39 5:39 5:39 6:39 5	4 4:41 5:41 6:13 7:43 8:13 9:45 10:15 11:15 12:15 12:45 3:47 5:47 6:47 7:13 9:11 10:11 11:11	5 4:50 5:20 5:50 6:22 6:54 7:24 7:54 8:24 9:24 9:25 10:25 11:25 12:25 1:55 1:25	5:24 5:42 6:42 7:12 7:42 8:40 9:40 10:10 10:40 10:40 11:10 12:40 12:40 11:10 12:40 12:40 11:10 12:40 12:10 2:35 3:35 5:55 5:55 5:55 5:55 5:55 5:55	3 5:34 5:58 6:28 6:58 7:28 8:28 8:55 9:55 10:25 11:25 11:25 11:25 11:25 11:25 11:25 11:25 11:25 11:25 11:25 11:25 12:25 11:25 12:25	2 5:39 6:05 6:35 7:05 7:35 8:05 8:35 9:02 9:32 10:02 10:02 10:32 11:02 12:02 12:02 12:02 1:32 2:02 2:301 3:31 4:31 5:31 6:31 7:08 7:38 8:05 8:53 10:53 10:53	1 5:50 6:20 6:50 7:20 8:20 8:20 8:20 8:50 9:20 9:50 10:20 10:50 11:20 12:50 12:20 12:50 12:20 2:20 2:20 2:20 2:20 2:20 3:20 3:20 3:20 3:20 3:20 3:20 3:20 3:20 5:50 6:20 7:50 8:20 5:50 6:20 7:50 8:20 8:20 8:50 9:20 9:50 11:20 11:20 11:20 12:20 12:20 5:50 6:20 7:50 8:20 8:20 8:50 9:20 9:50 10:20 11:20 11:20 12:20 5:50 6:20 7:50 8:20 8:20 8:50 9:20 9:50 10:20 11:20 12:20 12:20 5:50 6:20 5:50 6:20 7:50 8:20 8:20 8:20 11:20 1:20 1:50 5:20 5:50 6:20 7:50 8:20 8:20 8:50 9:20 9:50 10:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 1:20 5:50 6:20 5:20						

P.M. Times are shown in bold



**SERVING:** LYNX Central Station

Colonial Plaza

Link 29

E. Colonial Drive/



Link 29 Schedule

### Link 29

Monday - Friday													
DOWNTOWN ORL	ando to go	DLDENROD	GOL	DENROD	TO DOWNTO	OWN ORLAI	NDO						
LYNX CENTRAL STATION ORLANDO FASHON	SQUAKE COLONIAL DR. & SEMORAN BLVD.	ALOMA AVE. & Forsyth Rd.	ALOMA AVE. & FORSYTH RD.	GOLDENROD RD. & BATES RD.	Colonial Dr. & Semoran Blvd.	ORLANDO FASHION SQUARE	LYNX CENTRAL STATION						
1 2	3	4	4	5	3	2	1						
4:30       4:42         5:00       5:12         5:30       5:42         6:00       6:14         6:30       6:44         7:00       7:44         8:00       8:14         9:30       9:45         10:00       10:45         11:00       11:45         12:00       12:15         12:30       12:45         1:00       1:15         1:30       1:45         2:30       2:45         3:00       3:46         4:30       5:46         6:00       6:47         7:15       7:27         8:15       8:27         9:15       10:27         11:15       11:27	4:48 5:14 5:48 6:20 6:50 7:20 8:51 9:22 9:52 10:52 10:52 11:52 12:	4:59 5:29 6:01 6:33 7:03 7:33 8:33 9:04 9:35 10:05 10:35 11:05 11:05 11:35 12:05 1:35 1:05 1:35 2:05 2:35 3:07 3:38 4:08 4:38 5:08 6:08 6:08 6:08 6:08 6:08 6:08 6:08 6	5:35 5:58 6:28 6:28 6:58 7:28 7:58 8:21 8:53 9:23 9:53 10:23 9:53 10:23 11:23 11:53 12:23 11:53 12:23 1:53 12:23 1:53 2:22 2:51 3:21 3:51 5:21 5:51 5:21 5:51 5:21 5:51 5:21 5:51 5:21 5:51 5:21 5:51 5:21 5:2	5:42 6:06 6:36 7:36 8:29 9:01 9:31 10:01 10:01 10:01 10:01 11:01 11:01 11:31 12:01 12:31 12:31 12:31 12:31 12:30 2:59 3:29 3:59 4:29 4:29 4:29 5:59 5:59 6:36 7:09 7:39 7:39 8:09 9:09 11:09 12:09	5:49 6:17 6:47 7:17 7:47 8:10 9:10 9:40 10:10 10:10 10:10 10:10 10:10 11:10 11:40 12:10 11:40 12:10 11:40 12:10 11:40 2:39 3:39 4:39 5:39 5:39 5:39 5:39 5:39 5:39 5:39 5	5:54 6:24 7:24 7:54 8:24 8:24 8:24 9:17 9:47 10:17 10:17 10:17 10:17 11:17 11:47 12:17 12:47 11:47 12:47 11:47 12:47 11:47 12:47 11:47 12:46 3:46 5:16 5:16 5:16 5:16 5:16 5:16 5:16 5:1	6:05 6:35 7:35 8:05 8:35 9:05 9:35 10:05 11:05 1						

P.M. Times are shown in bold



### Link 29



Link 29 Schedule


INT ORLANDO	ERNATIO INTERN	NAL DE	IV R. TO	PORT	IY - FFICA	ay Ndo in Int	ITERNA ERNAT	TIONAL	. AIRPO DR.	RT TO
SUPERSTOP SUPERSTOP ORLANDO PREMIUM OUTLETS	OAK RIDGE RD. & RIO GRANDE AVE.	FLORIDA MALL	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT	ORLANDO INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	FLORIDA MALL	OAK RIDGE RD. & RIO GRANDE AVE.	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	DESTINATION PARKWAY SUPERSTOP
12	3	4	5	6	6	5	4	3	2	1
4:44         5:49         5:49         6:12         5:49         6:12         5:49         6:12         5:49         6:12         5:49         6:12         5:49         6:12         5:49         6:12         5:49         6:12         5:49         7:49         8:12         3:19         8:42         9:09         9:46         10:09         9:16         11:09         1:46         12:02         2:46         1:02         2:46         3:06         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26         5:26	4:55 5:52 6:25 6:25 7:25 8:25 8:25 8:25 9:52 10:22 10 10 10 10 10 10 10 10 10 10 10 10 10	5:06 5:05 6:05 6:38 7:08 7:08 9:08 9:08 9:08 9:08 9:08 9:08 9:08 10:05 11:05 11:05 12:05 12:05 12:05 12:05 12:05 12:05 12:05 12:05 10:05 11:05 1	6:56 7:26 8:26 8:56 9:26 9:26 9:26 9:26	5:30 6:00 6:30 6:30 7:10 7:40 8:10 9:40 10:00 11:30 12:30 1:00 11:30 12:30 1:00 1:30 2:00 2:30 3:30 4:00 4:30 5:28 5:58 6:58 6:58 6:58 7:28 7:58 8:30 9:00 10:00 10:00 11:00 11:30	5:35 6:05 6:35 7:05 8:45 9:15 9:45 10:10 10:40 11:10 12:10 12:40 1:10 12:40 1:10 12:40 1:10 12:40 3:10 3:40 3:40 3:40 8:40 9:10 9:40 10:10	5:55 6:25 7:25 8:25 8:25 4:44 5:14 5:44 6:44	5:16 5:46 6:09 6:39 7:09 7:39 8:09 8:39 9:12 9:42 10:37 11:37 12:37 1:07 12:37 1:07 12:37 1:07 12:37 4:59 5:29 5:29 5:529 6:59 6:59 6:59 6:59 6:59 7:37 8:07 8:07 8:07 8:07 9:07 10:37	5:28 5:58 6:23 6:53 7:23 7:53 8:53 9:26 9:56 10:26 10:51 11:21 12:50 12:50	5:39 6:09 6:36 7:06 7:36 8:06 9:39 10:09 11:04 11:34 12:34 12:34 1:04 12:34 1:04 1:34 1:04 1:34 1:04 1:34 1:04 1:34 2:04 2:04 3:35 5:05 5:27 5:57 6:57 6:57 6:57 6:57 6:57 6:57 8:02 8:32 9:02 9:32 10:02 10:32 11:02	6:00 6:30 7:02 7:32 8:02 9:02 9:32 9:02 9:32 10:04 10:04 11:29 12:29 12:29 12:29 12:29 12:29 12:29 12:29 12:29 12:29 12:29 12:29 12:29 12:59 12:29 12:53 6:53 7:53 8:28 8:58 9:58 10:28 10:58 11:28

## Link 42

Link 42 Schedule

## Link 42

				Sat	urday					
INTE ORLANDO	RNATIO INTERN	NAL DR ATIONA	. TO L AIRF	PORT	ORLA	NDO IN IN	NTERNA TERNAT	TIONAL IONAL	. AIRPO DR.	RT TO
DESTINATION PARKWAY SUPERSTOP ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	OAK RIDGE RD. & RIO GRANDE AVE.	) Florida Mall	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT	ORLANDO INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	) FLORIDA MALL	OAK RIDGE RD. & RIO GRANDE AVE.	ORLANDO PREMIUM OUTLETS INTERNATIONAL DR.	DESTINATION PARKWAY SUPERSTOP
1         2           4:44         5:11           5:44         6:07           6:14         6:37           6:44         7:07           7:14         7:07           7:14         8:07           8:14         8:37           8:44         9:07           9:14         9:37           9:44         10:07           10:14         10:37           10:44         11:07           11:14         11:37           12:14         12:07           11:14         137           12:44         3:07           3:14         3:37           3:44         4:07           5:14         5:37           5:14         5:37           5:14         5:37           5:14         5:37           5:14         5:37           6:44         7:07           8:14         8:37           8:44         9:07           9:14         9:37           9:14         9:37           9:14         9:37           9:14         9:37           9:14         9:37           9:1	4:55 5:22 6:20 6:50 7:20 7:50 8:50 9:20 9:50 10:20 10:50 11:20 12:20 1:20 12:20 1:20 2:20 2:20	4 5:06 5:35 6:35 7:05 7:35 8:05 9:05 9:35 10:35 11:05 11:35 12:05 12:35 2:35 4:35 5:05 5:35 6:35 6:35 5:35 6:35 5:35 6:35 5:35 6:35 10:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 1:05 1:35 5:05 5:35 6:35 5:35 6:35 7:05 7:35 8:35 5:05 5:35 6:35 7:05 7:35 8:35 9:05 1:35 1:35 1:3	5 in b	5 5 30 6 00 7 00 7 30 8 00 9 9 00 9 30 10 00 10 10 10 11 30 12 00 130 12 00 230 3 3 0 230 3 3 0 4 3 0 5 5 0 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5	5:40 6:10 6:40 7:10 7:40 8:40 9:40 10:10 10:40 11:40 12:10 12:40 1:10 12:40 3:10 3:40 4:10 5:10 5:40 6:10 6:40 7:40 8:40 9:10 9:40 10:10	5	4 5:15 5:40 6:07 6:37 7:07 7:37 8:07 8:37 9:07 9:37 10:07 10:37 11:07 12:07 12:07 12:37 1:07 12:07 2:37 3:07 3:09 5:09 5:09 5:09 5:09 5:09 5:39 6:09 5:39 6:09 5:39 6:09 5:39 6:09 5:39 6:09 5:39 6:09 5:39 6:39 7:07 10:37 10:37 10:37	5:27 5:27 5:27 5:27 5:27 5:27 5:27 5:27	2 5:38 6:33 6:34 7:04 7:34 8:04 9:34 10:04 9:34 10:04 9:34 10:04 11:04 11:04 11:04 11:04 11:04 11:04 12:04 12:04 12:04 2:34 2:34 3:33 4:05 5:05 5:35 6:05 6:35 5:05 5:35 6:05 6:35 5:05 5:35 6:05 6:35 5:05 7:34 8:02 8:322 9:02 9:32 10:02 10:32 11:02	1 5:59 6:24 6:59 7:29 7:59 8:59 9:29 9:59 10:29 10:59 11:29 1:59 1:29 1:59 1:29 1:59 2:59 3:30 3:59 4:31 5:01 5:31 6:01 6:31 6:01 6:31 7:00 7:59 8:27 9:57 10:27 11:27

Link 42 Schedule

Page 92

### Link 42

Sunday & Holiday ORLANDO INTERNATIONAL AIRPORT TO INTERNATIONAL DR. INTERNATIONAL DR. TO **ORLANDO INTERNATIONAL AIRPORT** ORLANDO PREMIUM OUTLETS INTERNATIONAL DR. OUTLETS AIRPORT ORLANDO INTERNATIONAL AIRPORT DESTINATION PARKWAY SUPERSTOP DESTINATION PARKWAY SUPERSTOP ORLANDO PREMIUM INTERNATIONAL DR. SAND LAKE SUNRAIL SAND LAKE SUNRAIL K RIDGE RD. & Grande ave. OAK RIDGE RD. & RIO GRANDE AVE. ORLANDO INTERNATIONAL FLORIDA MALL FLORIDA MALI OAK I 4 5 5 6 2 3 6 4 3 2 1 1 4:46 5:07 5:20 5:35 6:05 5:45 6:45 7:45 8:45 9:45 10:45 11:45 5:45 6:01 6:13 7:13 8:13 6:35 7:01 8:01 6:20 5:46 6:07 6:35 7:05 6:15 7:35 6:46 7:07 7:20 7:35 8:05 7:15 8:35 8:20 9:20 9:12 10:12 11:12 7:46 8:07 8:35 9:05 8:15 9:00 9:34 8:45 9:07 9:35 10:05 9:15 10:00 10:12 10:34 9:45 10:07 10:20 10:35 11:05 10:15 11:00 11:12 11:34 10:45 11:07 11:20 11:35 12:05 11:15 12:00 12:12 12:34 11:45 12:07 12:20 12:35 1:05 12:15 12:45 1:00 1:12 1:34 12:45 1:07 1:20 1:35 2:05 1:15 1:45 2:00 2:12 2:34 1:45 2:07 2:20 2:35 3:05 2:15 2:45 3:01 3:14 3:36 2:41 3:03 3:20 3:35 4:05 3:15 3:45 4:01 4:14 4:36 3:41 4:03 4:20 4:35 5:05 4:15 4:45 5:01 5:14 5:36 4:41 5:03 5:20 5:35 6:05 5:15 5:45 6:01 6:14 6:36 5:41 6:03 6:20 6:35 7:05 6:15 6:45 7:00 7:12 7:34 8:00 8:12 9:00 9:12 6:46 7:07 7:20 7:35 8:05 7:15 7:45 8:34 8:07 8:45 7:46 8:20 8:35 9:05 8:15 9:34 8:46 9:07 9:20 9:35 10:05 9:15 9:45 10:00 10:12 10:34 9:46 10:07 10:20 10:35 11:05 P.M. Times are shown in bold



Link 42 Schedule

Page 93



Link 48 Schedule

## Link 48

TO SIL	DOWNT	rown of r rd. & i	RLANDO	SEE RD.	SILVER STAR RD. & HIAWASSEE RD. TO DOWNTOWN ORLANDO					
LYNX CENTRAL STATION	COLONIAL DR. & JOHN YOUNG PKWY.	COLONIAL DR. & PINE HILLS RD.	POWERS DR. & BALBOA DR.	SILVER STAR RD. & HIAWASSEE RD.	SILVER STAR RD. & HIAWASSEE RD.	POWERS DR. & BALBOA DR.	COLONIAL DR. & PINE HILLS RD.	COLONIAL DR. & JOHN YOUNG PKWY.	LYNX CENTRAL STATION	
4:15 4:45 5:45 6:15 5:45 6:15 7:45 8:15 7:45 8:45 9:45 10:45 11:45 12:45 1:45 1:45 2:45 3:45 3:45 4:15 4:45 5:45 6:45	<b>2</b> 4:24 4:54 5:54 6:57 7:27 7:57 8:57 9:27 9:27 9:27 10:57 10:27 10:57 11:27 12:27 1:57 1:27 2:27 2:57 3:59 4:29 4:29 5:59 6:59 6:59	4:29 4:59 5:29 6:00 6:33 7:33 8:33 9:03 9:33 10:03 10:03 10:03 11:03 11:03 12:03 12:03 1:03 12:03 2:03 3:03 2:03 3:03 2:03 3:05 5:05 5:05 6:05 6:05 6:05 6:05 6:05	4:35 5:35 5:35 6:08 6:41 7:11 8:11 8:11 8:12 9:42 10:12 10:42 10:12 10:42 11:12 11:42 12:12 12:42 12:42 12:42 12:42 12:42 2:12 2:42 3:44 4:44 5:44 6:14 6:14 6:43 7:12	5 4:42 5:44 6:17 6:50 7:20 7:50 8:20 8:20 9:20 9:20 9:20 9:20 9:20 9:20 10:50 11:20 11:20 12:20 2:52 3:22 3:54 4:24 4:54 5:54 6:24 6:24 6:24 6:24 6:24	5 4:37 5:05 6:01 6:31 7:31 8:01 8:30 9:02 9:32 10:02 10:02 10:02 11:02 11:02 11:02 11:02 11:32 12:02 11:32 12:02 12:32 12:02 12:32 12:02 12:32 12:02 12:32 12:59 3:59 3:59 5:59 5:59 5:59 5:59 5:59 5	4 4:44 5:42 6:09 6:39 7:09 8:09 8:40 9:10 9:40 10:10 10:40 11:10 11:40 12:40 12:40 12:40 12:40 12:39 3:07 3:37 6:07 6:37 5:37 6:07 6:30 7:10	<b>3</b> 4:50 5:28 6:16 6:46 7:46 8:16 7:46 8:16 7:46 8:17 9:17 9:47 10:17 10:47 10:17 10:47 10:17 11:17 11:47 12:17 12:47 12:17 12:45 5:15 5:45 5:45 5:45 5:45 5:45 5:45 5	<b>2</b> 4:55 5:53 6:23 6:53 7:23 8:54 9:24 9:54 10:24 10:24 11:24 11:24 12:24 12:54 12:24 2:53 3:23 3:53 5:53 6:23 6:23 6:23 6:23 6:24 12:24	1 5:05 5:35 6:05 6:35 7:05 8:05 8:35 9:05 1:05 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 1:25 5:35 6:05 6:35 7:05 7:35 1:25 7:3	
7:45 8:45 9:45 10:45 11:45	7:55 8:55 9:55 10:55 11:55	8:00 9:00 10:00 11:00 12:00	8:08 9:08 10:08 11:08 12:08	8:16 9:16 10:16 11:16 12:16	7:32 8:32 9:32 10:32 11:32	7:40 8:40 9:40 10:40 11:40	7:47 8:47 9:47 10:47 11:47	7:54 8:54 9:54 10:54 11:54	8:05 9:05 10:05 11:05 12:05	

Monday - Friday

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Page 101

Link 48 Schedule



#### Link 49 Schedule

### Link 49

	Monday - Friday											
DOWN	TOWN O	RLANDO	TO PINE	HILLS	PIN	E HILLS	TO DOV	VNTOWN	ORLANDO			
LYNX CENTRAL STATION	COLONIAL DR. & JOHN YOUNG PKWY.	COLONIAL DR. & PINE HILLS RD.	NORTH LN. & PINE HILLS RD.	SILVER HILLS CENTER		SILVER HILLS CENTER	COLONIAL DR. & PINE HILLS RD.	COLONIAL DR. & JOHN YOUNG PKWY.	LYNX CENTRAL STATION			
4:30 5:30 6:00 6:30 7:00 8:00 9:00 9:30 10:30 10:30 11:30 12:30 12:30 12:30 12:30 12:30 12:30 3:30 2:30 3:30 4:00 4:30 5:50 6:00 6:30 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 6:00 5:30 10:00 10:30 10:00 10:30 10:00 10:30 10:00 10:30 10:00 10:30 10:00 10:30 10:00 10:30 10:00 10:30 10	4:39 5:39 6:12 6:42 7:42 8:12 9:42 9:42 10:42 10:42 10:42 10:42 10:42 11:42 12:42 12:42 12:42 12:42 2:42 3:44 4:44 4:44 5:44 6:14 5:44 6:14 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 6:14 5:44 5:44 5:44 5:44 5:44 5:44 5:44 5	3 4:44 5:45 6:18 6:48 7:18 8:48 9:18 9:48 10:48 10:48 10:48 10:48 11:18 11:18 11:18 11:18 12:18 12:48 1:250 1:250	4.56 5.26 6.00 6.33 7.33 8.03 8.03 8.03 9.33 10.03 10.03 11.03 11.03 11.03 11.03 11.03 11.03 11.03 11.03 12.03 12.03 1.03 12.03 1.04 3.04 3.04 3.04 5.06 6.06 6.06 6.06 6.06 6.06 6.06 6.06	5 4:59 5:29 5:29 5:29 5:36 8:36 9:36 9:36 9:36 10:36 11:36 11:36 12:36 1:206 12:36 3:37 3:39 4:39 5:3		5:26 5:52 6:52 6:52 6:52 7:52 8:53 9:53 9:53 10:23 10:53 10:23 11:53 11:23 11:53 11:23 11:53 11:23 11:53 11:23 3:50 3:50 6:54 4:20 6:54 4:20 6:55 6:24 4:20 6:55 6:24 6:25 9:39 10:55 11:2	5:35 6:01 6:31 7:01 7:01 8:31 9:02 9:32 10:02 10:32 11:02 12:02 12:02 1:32 1:32 2:02 2:320 3:300 4:300 5:300 6:300 7:02 7:32 8:17 9:17 10:12 10:22 10:30 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:30 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:32 10:30 10:	5:40 6:08 6:38 7:08 7:38 8:08 8:38 9:39 9:39 10:09 10:39 11:39 12:09 11:39 12:09 11:39 12:09 11:39 12:09 13:38 4:08 5:38 6:08 5:38 6:38 7:39 8:24 9:24	1 5:50 6:20 6:50 7:20 7:50 8:20 8:50 9:20 9:50 10:20 10:50 11:20 12:50 12:50 12:50 1:20 1:50 2:20 2:50 3:20 3:50 4:20 3:50 5:50 6:20 6:50 7:20 7:50 8:35 9:35 9:35 9:35			
10:15 11:15 12:15	10:25 11:25 12:25	<b>10:30</b> <b>11:30</b> 12:30	10:42 11:42 12:42	10:45 11:45 12:45		<b>11:09</b> 12:09	<b>11:17</b> 12:17	<b>11:24</b> 12:24	11:35 12:35			

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Link 49 Schedule





Link 102 Schedule

# Link 102

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LYNX CENTRAL STATION ORANGE AVE. & PRINCETON S	WEBSTER AVE. Denning dr.	FERNWOOD BLV & OXFORD RD.	FERNWOOD BLV & OXFORD RD.	WEBSTER AVE. DENNING DR.	ORANGE AVE. & PRINCETON S	IYNX CENTRAL
00	3	4	4	3	2	
4:15       4:22         4:45       4:52         5:15       5:37         5:45       5:37         6:40       6:08         6:30       6:38         6:45       6:53         7:15       7:38         7:45       7:38         7:45       7:38         7:45       7:38         7:45       7:38         7:45       7:38         8:00       8:08         8:30       8:38         8:00       9:09         8:15       9:23         9:00       9:08         9:15       9:23         9:30       9:38         9:00       9:08         9:10       10:23         10:00       10:03         10:00       11:03         11:15       11:23         11:20       11:23         12:30       11:32         12:31       12:02         12:45       12:23         12:31       12:00         12:32       10:23         12:33       10:03         10:45       11:53         12:33       3:00	4:35 5:05 5:51 6:02 6:37 7:22 7:52 8:07 9:27 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 9:52 7:52 7:52 9:52 7:52 9:52 7:52 7:52 9:52 7:52 9:52 7:52 7:52 9:52 7:52 7:52 9:52 7:52 7:52 9:52 7:52 7:52 9:52 7:52 7:52 9:52 7:52 7:52 7:52 9:52 7:52 7:52 7:52 9:52 7:52 7:52 7:52 7:52 9:52 7:12 7:52 7:52 7:52 7:52 7:52 7:52 7:52 7:5	4:54 5:24 5:24 5:25 6:11 6:26 6:57 7:127 7:42 8:12 9:27 8:127 8:27 9:24 9:27 9:242 9:27 10:12 11:27 11:27 12:12 12:57 11:27 2:57 11:27 2:57 11:27 2:57 12:27 2:57 12:27 2:57 12:27 2:57 2:57 2:57 2:57 2:52 2:27 2:52 2:57 2:52 2:55 2:55 2:57 2:55 2	5:12 5:25 5:40 5:53 6:023 6:38 6:53 7:53 8:023 7:53 8:023 7:53 8:023 9:923 9:923 9:923 9:923 9:923 9:923 9:923 9:923 9:923 9:923 9:923 9:923 9:923 10:023 10:023 10:023 11:08 11:23 12:33 12:33 12:333	5:438 5:438 5:5556:138 6:2438 6:513 6:2438 6:5138 6:2438 8:5138 8:55555 5:5555 6:52438 8:5138 8:5138 8:5138 8:5138 8:5138 8:5138 8:5138 8:555555 6:52458 8:5138 8:5138 8:555555 6:52458 8:5138 8:5138 8:5138 8:5138 8:5138 8:5555555 6:52458 8:51555555555 6:52458 8:5155555555555555555555555555555555555	5:41 5:55 6:250 6:250 6:250 6:250 6:250 6:250 6:250 6:250 6:250 8:250 8:250 8:250 8:250 8:250 9:2405 9:2405 9:2405 9:2405 9:2405 9:2405 10:250 10:250 10:250 10:250 10:250 10:250 11:225055 5:55555555555555555555555555555555555	56666677777888889999900001111111122222333334444555556666677890111

#### Link 102 Schedule

## Link 102

			Satu	rday			
DO	WNTOW TO SOU	N ORLAN TH 17-92	DO	DO	SOUTH WNTOW	17-92 TO N ORLAN	DO
LYNX CENTRAL STATION	ORANGE AVE. & PRINCETON ST.	WEBSTER AVE. & DENNING DR.	FERNWOOD BLVD & OXFORD RD.	FERNWOOD BLVD & OXFORD RD.	WEBSTER AVE. & Denning dr.	ORANGE AVE. & PRINCETON ST.	LYNX CENTRAL STATION
4:45 5:45 6:45 7:15 8:45 9:45 10:45 11:45 12:45 1:45 1:45 1:45 5:45 1:45 5:45 1:45 5:45 1:45 5:45 1:45 5:45 1:45 5:45 5	2 4:53 5:23 6:53 7:23 8:23 9:53 10:53 11:23 12:23 1:55 1:552 1:552	3 5:07 5:37 6:08 6:38 7:09 7:0	4 5:26 5:56 6:57 7:27 7:27 7:57 9:27 9:27 10:27 1:23 1:25 1:	4 5:25 5:53 6:23 6:23 6:23 7:23 7:23 7:23 8:53 9:23 9:23 10:23 11:23 11:23 12:53 1:23 1:23 1:23 3:53 3:53 5:53 6:24 6:56 7:56 8:56 9:56 10:56	<b>3</b> 5:44 6:13 6:43 7:13 8:43 9:13 9:13 9:13 9:13 10:43 11:43 12:13 12:13 12:13 11:43 2:43 3:13 3:43 5:143 5:143 6:14 6:13 6:14 6:13 11:15 10:15 11:15	<b>2</b> 5:56 6:26 6:56 7:26 8:26 9:26 9:26 10:26 11:26 12:26 12:26 12:26 1:26 2:56 3:26 3:26 3:26 3:26 4:26 5:26 5:26 5:26 5:26 5:26 5:26 5:26 5	1 6:05 6:05 7:05 8:05 8:05 8:05 8:05 8:05 8:05 8:05 11:05 11:05 11:05 12:05 1:035 1:035 1:05 3:05 3:05 3:05 5:05 6:0

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Link 102 Schedule

Page 115

## Link 102

DO	WNTOW TO SOU	N ORLAN TH 17-92	DO	DO	SOUTH WNTOW	17-92 TO N ORLAN	DO
LYNX CENTRAL STATION	ORANGE AVE. & PRINCETON ST.	WEBSTER AVE. & Denning dr.	FERNWOOD BLVD & OXFORD RD.	Fernwood Blvd & Oxford Rd.	WEBSTER AVE. & Denning dr.	ORANGE AVE. & PRINCETON ST.	LYNX CENTRAL STATION
1 5:45 5:45 5:45 5:45 5:45 5:45 8:45 9:15 10:15 11:45 12:45 11:15 1:15 3:45 5:45	2 5:54 6:54 7:54 8:54 9:24 9:24 9:24 10:54 11:24 12:54 12:54 12:54 1:22 4:24 1:22 4:25 4:25 4:25 4:25 4:25 4:25 4:25 4	<b>3</b> 5:41 6:11 6:41 7:41 8:11 9:11 9:11 9:11 10:11 10:11 11:41 12:41 12:41 12:41 12:41 12:41 3:41 1:11 1:41 1:41 1:41 1:41 1:41 1	4 6:02 7:02 7:02 7:32 8:02 9:02 9:02 1:02 1:02 1:02 1:02 1:02 1:02 1:32 2:02 2:32 3:02 3:32 6:02 6:31 6:59 7:59 8:59 9:59	4 5:19 6:18 7:18 7:48 8:48 9:48 10:18 10:18 10:18 10:18 11:18 11:18 11:18 11:18 12:48 1:18 12:48 2:48 3:48 5:18 2:48 5:18 5:19 6:50 7:50 8:50 9:20 9:50 9:50 10:20	<b>3</b> 5:39 6:39 7:09 7:39 8:39 9:09 9:39 9:09 10:39 10:39 12:39 12:39 12:39 1:39 2:39 1:39 2:39 4:39 5:39 6:40 7:10 7:40 8:10 9:10 9:40 10:40	2 5:56 6:56 7:26 7:56 8:26 9:26 11:26 11:26 11:26 12:26 1:256 1:26 3:26 3:26 3:26 3:26 3:26 5:56 6:26 6:26 6:26 5:56 6:26 7:26 7:26 7:26 7:26 7:26 7:26 7:26 7:26 9:26 11:26 12:26 1:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 6:26 5:56 5:56 6:26 5:56 5:	10 6:05 7:05 8:05 8:05 8:05 9:05 9:05 10:05 11:05 1:05 1:35 2:05 3:05 5:05 5:35 5:05 5:35 6:05 6:05 6:05 6:05 6:05 6:05 8:35 9:35 1:05 1

Sunday & Holiday

P.M. Times are shown in bold



Link 102 Schedule



Link 104 Schedule

## Link 104

					Sa	turd	lay					
LY	NX CEN	TRAL S	TATION	ι το υα	CF		UC	F TO LY	NX CEI	NTRAL	STATIO	N
LYNX CENTRAL STATION	) FASHION SQUARE MALL	SEMORAN BLVD. & COLONIAL DR.	VALENCIA COLLEGE EAST CAMPUS	) ALAFAYA TRL. & COLONIAL DR.	UNIVERSITY OF CENTRAL FLORIDA		UNIVERSITY OF CENTRAL FLORIDA	) ALAFAYA TRL. & COLONIAL DR.	VALENCIA COLLEGE EAST CAMPUS	) SEMORAN BLVD. & COLONIAL DR.	FASHION SQUARE MALL	LYNX CENTRAL STATION
5:15 5:45	2 5:28 5:58	<b>3</b> 5:32 6:03	<b>4</b> 5:50 6:21	<b>5</b> 6:06 6:37	6 6:17 6:48		<b>6</b> 5:03 5:31	5:16 5:44	<b>4</b> 5:28 5:56	<b>3</b> 5:43 6:13	2 5:50 6:20	6:05 6:35
6:45 6:45 7:15 7:45	6:30 7:00 7:30 8:00	6:35 7:05 7:35 8:05	6:53 7:23 7:53 8:23	7:09 7:39 8:09 8:36	7:20 7:50 8:20 8:47		6:01 6:29 6:59 7:29	6:14 6:42 7:12 7:42	6:26 6:56 7:26 7:56	6:43 7:13 7:43 8:13	6:50 7:20 7:50 8:20	7:05 7:35 8:05 8:35
8:15 8:45 9:15 9:45 10:15	9:00 9:30 10:00 10:30	8:35 9:05 9:35 10:05 10:35	9:23 9:53 10:23 10:53	9:06 9:36 10:06 10:36 11:06	9:47 10:17 10:47 11:17 11:47		8:29 8:59 9:29 9:59	8:12 8:42 9:12 9:42 10:12	8:20 8:56 9:26 9:56 10:26	9:43 9:43 10:13 10:43	9:20 9:50 10:20 10:50	9:05 9:35 10:05 10:35 11:05
11:15 11:45	11:30 12:00	11:35 12:05	11:53 12:23	12:06 12:36	12:17 12:47		10:59 11:29	11:12 11:42	11:26 11:56	11:43 12:13	11:50 12:20	12:05 12:35
12:15 12:45 1:15	12:30 1:00 1:30	12:35 1:05 1:35	12:53 1:23 1:53	1:06 1:36 2:06	1:17 1:47 2:17		12:29 12:59	12:12 12:42 1:12	12:26 12:56 1:26	12:43 1:13 1:43	12:50 1:20 1:50	1:05 1:35 2:05
1:45 2:15 2:45	2:00 2:30 3:00	2:05 2:35 3:05	2:23 2:53 3:23	2:39 3:09 3:39	2:50 3:20 3:50		1:29 1:59 2:29	1:42 2:12 2:42	1:56 2:26 2:56	2:13 2:43 3:13	2:20 2:50 3:20	2:35 3:05 3:35
3:15 3:45 4:15	3:30 4:00 4:30	3:35 4:05 4:35	3:53 4:23 4:53	4:09 4:39 5:09	4:20 4:50 5:20		2:59 3:29 3:59	3:12 3:42 4:12	3:26 3:56 4:26	3:43 4:13 4:43	3:50 4:20 4:50	4:05 4:35 5:05
5:15 5:45 6:15	5:30 6:00 6:30	5:35 6:05 6:34	5:53 6:23 6:50	6:09 6:36 7:03	6:20 6:47 7:14		4:59 5:29 6:01	5:12 5:42 6:14	5:26 5:56 6:28	5:43 6:13 6:45	5:50 6:20 6:52	6:05 6:35 7:05
6:45 7:15 8:15	7:00 7:28 8:28	7:04 7:32 8:32	7:20 7:48 8:48	7:33 8:01 9:01	7:44 8:12 9:12		7:07 8:07 9:07	7:18 8:18 9:18	7:30 8:30 9:30	7:45 8:45 9:45	7:52 8:52 9:52	8:05 9:05 10:05
9:15 10:15	9:28 10:28	9:32 10:32	9:48 10:48	10:01 11:01	10:12 11:12		10:07	10:18	10:30	10:45	10:52	11:05

P.M. Times are shown in bold



## Link 104

	Sunday & Holiday											
L)	NX CE	NTRAL S	STATIO	n to u	CF		U	CF TO L	YNX CE	NTRAL	STATIO	<b>N</b>
LYNX CENTRAL STATION	FASHION SQUARE MALL	SEMORAN BLVD. & COLONIAL DR.	VALENCIA COLLEGE EAST CAMPUS	ALAFAYA TRL. & Colonial dr.	UNIVERSITY OF CENTRAL FLORIDA		UNIVERSITY OF CENTRAL FLORIDA	ALAFAYA TRL. & COLONIAL DR.	VALENCIA COLLEGE EAST CAMPUS	SEMORAN BLVD. & COLONIAL DR.	FASHION SQUARE MALL	LYNX CENTRAL STATION
1	2	3	4	5	6		6	5	4	3	2	1
5:45 6:45 7:45 8:45 9:45 10:45 11:45 1:45 2:45 3:45 4:45 5:45 6:45 7:45	5:55 6:55 7:55 8:55 9:55 10:55 11:55 12:55 1:55 1:55 3:55 4:55 5:55 6:55 7:55	5:59 6:59 7:59 8:59 9:59 10:59 12:59 1:59 2:59 3:59 4:59 5:59 6:59 7:59	6:15 7:15 8:15 9:15 10:15 11:15 1:15 2:15 3:15 4:15 5:15 6:15 7:14 8:14	6:27 7:27 8:27 9:27 10:27 11:27 12:27 1:27 3:27 3:27 4:27 5:27 6:27 7:26 8:26	6:37 7.37 8:37 9:37 10:37 11:37 12:37 1:37 2:37 3:37 4:37 5:37 6:37 7:36 8:36		6:12 7:12 8:12 9:12 10:12 11:12 12:12 1:12 2:12 3:12 5:12 6:12 7:17 8:17	6:24 7:24 8:24 9:24 10:24 11:24 12:24 1:24 2:24 3:24 4:24 5:24 6:24 7:27 8:27	6:36 7:36 9:36 10:36 11:36 1:36 2:36 3:36 4:36 5:36 6:36 6:36 7:38 8:38	6:50 7:50 8:50 9:50 10:50 11:50 1:50 2:50 3:50 4:50 6:50 6:50 7:51 8:51	6:55 7:55 8:55 9:55 10:55 11:55 1:55 3:55 3:55 5:55 6:55 7:55 8:55	7:05 8:05 9:05 10:05 11:05 1:05 1:05 3:05 4:05 5:05 6:05 7:05 8:05 9:05

P.M. Times are shown in bold



Link 104 Schedule



Link 105 Schedule

## Link 105

	Saturday												
LYNX CE	LYNX CENTRAL STATION TO WINTER GARDEN WINTER GARDEN TO LYNX CENTRAL STATION												
	ž						_			Σ			
	%X	ø	∞	AL	∞	Š	AL	°∞.	∞	&۶			
IAI	<del>ک</del> ک	¥ .	2.2	Σ	R.	R.	Σ	22	ж.	<del>ک</del> ک	<b>IAI</b>		
Ë,	33	36		S	<b>.</b>		KS		78	13	Ë		
ΞZ	₹Ø	S≣	SS	0A	AIN N		OA	SS	₹N	₹õ	ΞZ		
×≘	δz	69	SS	E	67	67	Ē	58	6	őz	XE		
AN	러포	29	PA	/ES	AR	AR	NES	<b>P</b>	29	리포	IA N		
S		04	<b>U</b> E	~	04	04		OI	0		S		
	(2)	3	(4)	5	6	6	5	(4)	3	(2)	1		
6.45	5.00	5.00	5.20	5.50	6.10	-	5.00	5.12	5.10	5.05	5.05		
5:45	5:53	6:03	6:06	6:20	0.10		5:30	5:43	5:46	5:55	6:05		
6:15	6:24	6:34	6:37	6:51	7:11		5:58	6:12	6:15	6:25	6:35		
6:45	6:54	7:04	7:07	7:21	0.11	6.20	6:28	6:42	6:45	6:55	7:05		
7:45	7:54	8:04	8:07	8:21	0.11	0.30	7:28	7:42	7:45	7:55	8:05		
8:15	8:24	8:34	8:37	8:51	9:11	7:38	7:58	8:12	8:15	8:25	8:35		
8:45	8:54	9:04	9:07	9:21	10.11	0.20	8:28	8:42	8:45	8:55	9:05		
9:15	9:24	9:34	9:37	10:21	10:11	0:30	9:28	9:12	9:15	9:25	9:35		
10:15	10:24	10:34	10:37	10:51	11:11	9:38	9:58	10:12	10:15	10:25	10:35		
10:45	10:54	11:04	11:07	11:21		10.00	10:28	10:42	10:45	10:55	11:05		
11:45	11:54	12:04	12:07	12:21	12:11	10:36	11:28	11:42	11:45	11:55	12:05		
12:15	12:24	12:34	12:37	12:51	1:11	11:38	11:58	12:12	12:15	12:25	12:35		
12:45	12:54	1:04	1:07	1:21		40.00	12:28	12:42	12:45	12:55	1:05		
1:15	1:24	2:04	2:07	2:21	2:11	12:38	12:58	1:12	1:15	1:25	2:05		
2:15	2:24	2:34	2:37	2:51	3:11	1:38	1:58	2:12	2:15	2:25	2:35		
2:45	2:54	3:04	3:07	3:21			2:28	2:42	2:45	2:55	3:05		
3:15	3:24	3:34	3:37	3:51	4:11	2:38	2:58	3:12	3:15	3:25	3:35		
4:15	4:24	4:33	4:36	4:48	5:08	3:38	3:58	4:12	4:15	4:25	4:35		
4:45	4:54	5:03	5:06	5:18			4:28	4:42	4:45	4:55	5:05		
5:15	5:24	5:33	5:36	5:48	6:08	4:38	4:58	5:12	5:15	5:25	5:35		
6:15	6:24	6:33	6:36	6:48	7:08	5:38	5:58	6:12	6:15	6:25	6:35		
6:45	6:54	7:03	7:06	7:18			6:28	6:42	6:45	6:55	7:05		
7:15	7:23	7:32	7:35	7:47	8:07	6:40 7·10	7:00	7:13	7:16	7:25	7:35		
9:15	9:23	9:32	9:35	9:47	5.07	8:10	8:30	8:43	8:46	8:55	9:05		
10:15	10:23	10:32	10:35	10:47			9:30	9:43	9:46	9:55	10:05		
11:15	11:23	11:32	11:35	11:47			10:30	10:43	10:46	10:55	11:05		

P.M. Times are shown in bold

This route makes limited stops. It will only stop at Orange Blossom Trl., John Young Pkwy., Pine Hills Rd., and Kirkman Rd. between LYNX Central Station and Powers Dr. It will then begin local service.

Page 124

Link 105 Schedule

# Link 105

Sunday & Holiday												
LYNX CENT	TRAL S	TATION	TO WE	ST OA	KS MALL	WE	ST OA	KS MA	LL TO L	YNX CE	NTRAL	STATION
LYNX CENTRAL STATION	COLONIAL DR. & JOHN YOUNG PKWY.	COLONIAL DR. & POWERS DR.	COLONIAL DR. & HIAWASSEE RD.	WEST OAKS MALL	COLONIAL DR. & Park ave.*		Colonial Dr. & Park ave.*	WEST OAKS MALL	COLONIAL DR. & HIAWASSEE RD.	COLONIAL DR. & POWERS DR.	COLONIAL DR. & JOHN YOUNG PKWY.	LYNX CENTRAL STATION
6:15 7:15 8:15 10:15 11:15 12:15 12:15 2:15 3:15 4:15 5:15	2 6:24 7:24 8:24 9:25 10:25 11:25 1:25 1:25 3:25 3:25 4:25 5:25	3 6:34 7:34 8:34 9:35 10:35 11:35 12:35 1:35 2:35 3:35 4:34 5:34	4 6:37 7:37 8:37 9:38 10:38 12:38 1:38 2:38 3:38 4:37 5:37	6:48 7:48 8:48 9:49 10:49 11:49 12:49 1:49 2:49 3:49 4:48 5:48	6		6	5:03 6:03 7:03 8:03 9:02 10:02 11:02 12:02 1:02 2:02 3:02 4:02	4 5:13 6:13 7:13 8:13 9:12 10:12 11:12 11:12 12:12 11:12 2:12 3:12 4:12	3 5:16 6:16 7:16 8:16 9:15 10:15 11:15 11:15 12:15 11:15 2:15 3:15 4:15	2 5:26 6:26 7:26 8:26 9:26 10:26 11:26 1:26 2:26 3:26 3:26 4:26	5:35 6:35 7:35 8:35 9:35 10:35 11:35 12:35 1:35 1:35 2:35 3:35 4:35
6:15 7:15 8:15	6:25 7:24 8:24	6:34 7:33 8:33	6:37 7:36 8:36	6:48 7:47 8:47				5:02 6:02 7:03	5:12 6:12 7:13	5:15 6:15 7:16	5:26 6:26 7:26	5:35 6:35 7:35

P.M. Times are shown in bold \*Areas west of West Oaks Mall are not served on Sunday.



Link 105 Schedule

Page 125



Link 111 Schedule

# Link 111

	Saturday, Sunday & Holiday											
SE. INT	AWORLD TO	O ORLAN	DO ORT	ORI	ORLANDO INTERNATIONAL AIRPORT TO SEAWORLD							
DESTINATION	PARKWAY FLORIDA MALL	SAND LAKE SUNRAIL	ORLANDO INTERNATIONAL AIRPORT	ORLANDO INTERNATIONAL AIRPORT	SAND LAKE SUNRAIL	) Florida Mall	DESTINATION	SEAWORLD				
5:30 5 6:30 7 8:30 7 8:30 7 9:30 9 10:30 10 11:30 11 12:30 12 1:30 12 1:30 12 1:30 2 3:30 3 4:30 4 5:30 6 7:30 7 8:30 6 7:30 7 8:30 8 9:30 9 9:30 9 9:30 9 9:30 10 7:30 10 7:3	2 3 5:58 6:58 6:58 6:58 6:58 6:58 6:58 6:58 9:58 10:58 11:58 11:58 11:58 11:58 11:58 12:58 138 12:58 138 12:58 138 158 138 158 138 158 158 158 158 158 158 158 15	4 hown ir	5 6:20 7:20 8:20 9:20 10:20 11:20 1:20 1:20 1:20 5:20 6:20 7:20 8:20 9:20 10:20 11:20 10:20	5 5:30 6:30 7:30 8:30 9:30 10:30 12:30 12:30 1:30 12:30 3:30 4:30 5:30 6:30 7:30 8:30 9:30 10:30	4	3 5:52 6:52 7:52 8:52 9:52 10:52 12:52 12:52 12:52 12:52 3:52 3:52 3:52 6:52 7:52 8:52 9:52 10:52	6:13 7:13 9:13 9:13 10:13 11:13 2:13 1:13 2:13 3:13 4:13 5:13 6:13 7:13 8:13 9:13 10:13 11:13	6:20 7:20 8:20 9:20 10:20 11:20 2:20 3:20 4:20 5:20 6:20 6:20 6:20 8:20 9:20 10:20				



Link 111 Schedule



Link 436N Schedule

## Link 436N

				Satu	rday						S	und	ay	
F	ERN P/	ARK TO	APOPK	A	A	РОРКА	TO FE	RN PAR	к	F	ERN P	ARK TO	APOPI	(A
FERNWOOD BLVD. & OXFORD RD.	ALTAMONTE SUNRAIL	ALTAMONTE MALL	WEST TOWN PKWY. & SR 434	APOPKA SUPERSTOP	APOPKA SUPERSTOP	WEST TOWN PKWY. & SR 434	ALTAMONTE MALL	ALTAMONTE SUNRAIL	FERNWOOD BLVD. & OXFORD RD.	Fernwood Blvd. & Oxford Rd.	ALTAMONTE SUNRAIL	ALTAMONTE MALL	WEST TOWN PKWY. & SR 434	APOPKA SUPERSTOP
5:25 5:55 6:25 6:55 7:25 7:25 7:55 8:25 8:25 10:55 10:55 10:55 11:55 12:25 12:55 12:55 1:55 2:25	2	<b>3</b> 5:42 6:12 6:42 7:12 7:42 8:42 9:12 9:42 9:42 10:42 11:42 12:12 12:42 1:42 1:42 2:12 2:42 3:17	4 5:28 6:00 6:30 7:30 8:00 9:30 9:30 9:30 9:30 10:00 11:00 11:30 12:30 11:00 11:30 12:30 3:300 3:300	5 5:48 6:22 6:52 7:22 8:22 9:52 9:52 9:52 9:52 10:22 11:22 11:52 12:52 12:52 1:52 1:52 2:52 3:52 3:52 3:52 3:52 3:52 3:52 3	4:35 5:05 5:35 6:05 7:35 8:05 8:35 9:05 9:35 10:05 10:35 10:05 10:35 11:35 12:05 12:35 1:35 2:35	4:53 5:23 6:23 6:23 6:53 7:26 8:26 8:26 8:26 9:26 10:26 10:26 11:26 12:26 12:26 1:56 1:26 1:56	<b>3</b> 5:11 6:11 6:41 7:11 7:44 8:44 9:44 9:44 10:14 10:44 11:14 12:14 12:14 12:44 11:44 12:14 12:44 1:44 2:14 2:44 2:4	2	1 5:25 5:55 6:26 6:56 7:26 7:26 7:26 8:29 9:29 9:29 9:59 10:29 10:59 11:29 11:59 12:29 12:59 1:29 1:59 2:29 2:59 3:2	<ol> <li>6:50</li> <li>7:50</li> <li>9:50</li> <li>9:50</li> <li>10:50</li> <li>11:50</li> <li>1:50</li> <li>2:50</li> <li>3:50</li> <li>4:50</li> <li>5:50</li> <li>6:50</li> <li>7:50</li> <li>8:50</li> </ol>	<b>2</b>	<b>B</b> 7:05 8:05 9:05 10:05 11:05 1:05 2:05 3:05 4:05 5:05 6:05 7:05 8:05 9:05	4 7:21 8:21 9:21 10:21 11:21 1:21 2:21 2:21 3:21 4:21 5:21 6:21 7:21 8:21 9:21	5 7:40 8:40 9:40 10:40 11:40 1:40 1:40 2:40 3:40 4:40 5:40 6:40 7:40 8:40 9:40
2:55 3:35 4:05 4:35 5:36 6:05 6:35 7:05 7:35 8:35 9:05 9:35 10:05 11:35 11:05 11:205 P.M. T	imes	3:12 3:52 4:22 4:52 5:52 6:52 6:52 6:52 7:22 7:52 8:52 9:52 10:52 10:52 10:52 10:52 10:52 11:52 12:22	3:30 4:10 4:38 5:38 6:08 6:38 7:38 8:08 8:38 9:08 9:38 10:08 10:38 11:08 11:38 11:08 11:38 12:38	3:52 4:30 5:56 6:26 6:26 6:56 7:56 8:26 8:26 8:26 9:26 9:26 10:26 10:26 10:26 10:26 10:26 11:26 11:26	2:35 3:05 4:05 4:05 5:36 6:35 6:35 6:35 7:05 8:05 8:05 8:05 8:05 8:05 8:05 8:05	2:56 3:26 4:26 5:26 5:26 5:56 6:26 7:26 7:26 7:26 8:26 8:23 9:23 9:53	3:144 3:44 4:14 5:44 5:44 6:14 6:14 6:14 7:14 8:14 9:10 9:40 10:10		3:29 4:29 4:29 5:29 5:59 6:29 6:29 6:59 7:29 7:29 7:59 8:28 8:57 9:24 9:54 10:24	4500 4500 4500 4500 4500 4500 4500 4500	12:09 10	3 7:25 9:25 12:25	ALTAMONTE     SUNRAIL	
									Page 167		c	<u>)</u>		

Link 436N Schedule



# Southbound

#### to DeBary SunRail Station

Int'l				VA Clinic	Charles	DeBary	
Speedway/	DeLand	Woodland/	Volusia/	Orange	Beall/	SunRail	SunRail
Amelia	ITF	Mcgreggor	Graves	City	Highbanks	Station	Departs
4:22	4:34	4:44	4:52	5:00	5:06	5:15	5:30
4:52	5:04	5:14	5:22	5:30	5:36	5:45	6:00
5:22	5:34	5:44	5:52	6:00	6:06	6:15	6:30
5:52	6:04	6:14	6:22	6:30	6:36	6:45 <b>O</b>	7:00
6:22	6:34	6:44	6:52	7:00	7:06	7:15	7:30
6:52	7:04	7:14	7:22	7:30	7:36	7:45	8:00
3:22	3:34	3:44	3:52	4:00	4:06	4:15	4:30
3:52	4:04	4:14	4:22	4:30	4:36	4:45	5:00
4:22	4:34	4:44	4:52	5:00	5:06	5:15	5:30
4:54	5:11	5:20	5:27	5:34	5:38	5:45	6:00
5:22	5:34	5:44	5:52	6:00	6:06	6:15	-1-1
-:-	-:-	-:-	6:36	6:44	6:47	6:52	-1-
-:-	-:-	-:-	7:06	7:14	7:17	7:22	-1-
-:-	-:-	-:-	7:36	7:44	7:47	7:52	-(-

# Northbound

#### to International Speedway/Amelia

<b>—</b>	DeBary	Charles	VA Clinic				Intí
SunRail	SunRail	Beall/	Orange	Volusia/	Woodland/	DeLand	Speedway/
Arrives	Station	Highbanks	City	Graves	Mcgreggor	ITF	Amelia
-1-	5:15	5:20	5:23	*5:31	-:-	-:-	-:-
-1-	5:45	5:50	5:53	*6:01	-:-	-:-	-:-
-1-	6:15	6:20	6:23	*6:31	-:-	-:-	-:-
-:-	-:-	-:-	-:-	-:-	-:-	-:-	-:-
7:18	7:20	7:26	7:30	7:36	7:41	7:48	8:02 <b>O</b>
7:48	7:55	8:04	8:10	8:18	8:26	8:36	8:48 🛈
-1-1	-:-	-:-	-:-	-:-	-:-	-:-	-:-
-1-1	4:45	4:50	4:53	5:01	-:-	-:-	-:-
5:18	5:25	5:34	5:40	5:48	5:56	6:06	**6:18
5:48	5:55	6:04	6:10	6:18	6:26	6:36	**6:48
6:18	6:25	6:34	6:40	6:48	6:56	7:06	**7:18
<b>6:48</b>	6:55	7:04	7:10	7:18	7:26	7:36	7:48 <b>O</b>
7:18	7:25	7:34	7:40	7:48	7:56	8:06	8:18 <b>O</b>
7:48	7:55	8:04	8:10	8:18	8:26	8:36	8:48 🛈

\*First three trips deadhead from Volusia/Graves to Amelia/Int'l Speedway via C.R. 4101. \*Primero tres viajes de polizón de Volusia/Graves a Amelia/Int'l Speedway vía C.R. 4101.

\*\*First three p.m. trips from Amelia/Int'l Speedway deadhead to Volusia/Graves via C.R. 4101. \*\*Primero tres p.m. viajes de polizón Amelia/Int 'l Speedway a Volusia/Graves vía C.R. 4101.

Link 30/31v Schedule



#### Link 30/31v Schedule



#### Link 125 Schedule

### Link 125

Monday - Friday DOWNTOWN TO WEST OAKS MALL WEST OAKS MALL TO DOWNTOWN PRINCETON ST. & JOHN YOUNG PKWY. WALMART PRINCETON ST. & JOHN YOUNG PKWY. WALMART STAR RD. HILLS RD. SILVER STAR RD. & HIAWASSEE RD. SILVER STAR RD. & HIAWASSEE RD. Ő.Ö. В. Š ð В LYNX CENTRAL STATION LYNX CENTRAL STATION ST. STAR RI HILLS F AVE. ST. MILLS AVE. & COLONIAL I MILLS AVE. & Colonial I OAKS WEST OAKS MALL ORANGE # ORANGE SILVER 8 SILVER 9 & PINE WEST MALL 5 7 2 1 2 3 7 3 1 4 6 6 5 4 4:30 5:00 5:04 5:34 5:13 5:43 5:23 5:53 5:34 6:04 4:34 5:04 5:12 5:42 5:20 5:50 4:48 4:23 4:50 5:05 4:41 4:41 5.11 5.18 4.53 5.11 5.20 5.35 6:34 7:04 7:23 5:30 5:41 5:48 6:04 6:13 6:23 5:13 5:24 5:31 5:40 5:55 6:02 6:10 6:30 6:50 7:10 7:30 6:00 6:43 7:03 6:53 7:12 5:32 5:52 5:43 6:03 6:22 6:42 6:11 6:18 6:34 5:50 5:59 6.15 6:20 6:31 6:38 6:54 6:10 6:19 6:35 6:40 7:00 6:58 7:18 7:23 7:43 7:32 7:52 7:43 8:03 6:23 6:42 6:30 6:49 6:39 6:59 6:55 7:15 6:51 7:14 6:12 7:02 7:11 7:34 6:31 7:22 7:20 7:40 7:31 7:51 7:38 7:58 7:54 8:14 8:12 8:32 7:02 7:19 7:39 7:35 7:55 7:42 8:02 7:50 8:10 8:03 8:23 6:51 7:09 8:23 8:43 7:10 7:29 8:34 8:54 7:30 7:50 8:00 8:18 8:43 8:52 9:03 7:42 7:49 7:59 8:15 8:22 8:30 8:11 8:20 8:40 8:31 8:51 8:38 8:58 9.03 8:02 8:09 9.12 9:23 8.19 8.35 8.42 8.20 9:14 9:23 9:32 9:43 8:20 8:32 8:39 8:49 9:05 9:12 9:20 9:00 9:11 9:41 9:18 9:48 9:34 10:04 9:43 9:52 10:03 8:51 9:22 9:03 9:34 9:10 9:41 9:20 9:50 9:35 10:05 9:42 9:50 10:20 9:30 10:13 10:33 10:12 10:00 10:11 10:18 10:48 10:34 10:43 0:52 11:03 11:33 9:53 10:23 10:04 10:34 10:11 10:20 10:50 0:35 10:42 10:50 10.30 10.41 10.41 1.05 11.0411.13 11.1211.20 10:53 11:04 11:11 11:50 11:00 1:18 1:52 12:03 1:20 :35 :43 12:04 12:34 12:22 12:52 12:33 1:03 12:12 12:42 11:30 ·41 1:48 12:13 11:23 .34 11.41 11.50 12:05 12:20 12:00 12:11 12:18 12:43 11:53 2:35 12:50 12:04 12:11 12:20 12:30 1:04 1:24 1:35 2:05 12:23 12:53 12:34 1:20 1:50 12:41 12:48 1:13 12:41 12:50 1:05 1:12 1:11 1:18 1:43 1:20 1:35 1:42 1:11 1:30 1:41 1:48 2:04 2:13 2:24 2:35 1:13 1:24 1:31 1:40 1:55 2:02 2:10 2:00 2:11 2:18 2:34 2:43 2:54 3:05 1:33 1:44 1:51 2:00 2:15 2:22 2:30 2:31 2:54 3:03 3:14 3:25 2:04 2:11 2:50 2:20 2:38 1:53 2:20 2:35 2:42 2:51 3:11 2:58 3:18 3:14 3:34 2:24 2:43 2:31 2:50 3:10 3:30 2:40 3:23 3:34 3:45 2:13 2:40 2:55 3:02 3:00 3:43 3:54 4:05 2:32 2:59 3:15 3:22 3:50 4:10 3:20 3:31 3:38 3:54 4:03 4:14 4:25 2:52 3:03 3:10 3:19 3:35 3:42 3:23 3:42 4:02 3:51 3:58 4:14 4:45 3:12 4:02 3:40 4:23 4:34 3:30 3:39 3:55 4:11 4:31 3:49 4:09 3:59 4:19 4:30 4:50 4:00 4:18 4:34 4:43 4:54 5:05 3:31 4:15 4:22 4:20 4:38 4:54 5:03 5:11 5:20 3:51 4:35 4:42 4:10 4:22 4:51 4:58 5:14 5:23 5:31 5:40 4:29 4:39 4:55 5:02 5:10 4:40 5:11 5:31 5:18 5:38 5:34 5:54 5:43 6:01 6:00 6:18 4:30 4:50 4:42 5:02 4:49 5:09 4:59 5:19 5:15 5:35 5:22 5:42 5:30 5:50 5:00 5:51 6:09 5:20 5:40 6:00 5:51 5:58 6:14 6:21 6:29 6:38 6:58 5:10 5:22 5:42 5:29 5:39 5:55 6:02 6:10 6:30 6:18 6:34 6:49 5:30 5:49 5:59 6:11 6:41 6:15 6:22 6:20 6:31 6:37 6:52 6:59 7:07 7:16 6:10 6:22 6:29 6:39 6:52 6:58 7:05 6:51 7:24 7:54 6:54 7:25 6:57 7:30 7:12 7:45 6:42 7:13 7:01 7:31 6:40 7:19 7:27 7:36 7:09 7:22 7:28 7:35 7:52 8:00 7:52 7:58 8:05 8:09 7:39 7:15 8:00 8:30 7:45 8:15 8:22 8:30 8:39 7:43 7:55 8:01 8:09 8:22 8:28 8:35 8:24 8:54 8:45 8:52 9:00 9:09 8:15 8:25 8:31 8:39 8:52 8:58 9:05 8:15 8:45 9:00 9:15 9:22 9:30 9:39 8:45 8:55 9:01 9:09 9:22 9:28 9:35 9:30 9:52 10:09 9:15 9:24 9:45 10:00 9:45 9:55 10:01 10:09 10:22 10:28 10:35 10:22 9:54 10:00 10:15 10:30 10:39 10:45 10:55 11:01 11:09 11:22 11:28 11:35 10:45 10:54 11:00 11:15 11:22 11:30 11:39 11:45 11:55 12:01 12.09 2.22 12:35 12.2811:54 11:45 12:00 12:15 1:15 12:39 2:22 12:30 12:45 12:54 1:00 1:22 1:30 1:39 P.M. Times are shown in bold P.M. Times are shown in bold



#### Link 125 Schedule

## Link 125

						Sa	turd	ay						
	DO	WNTOW	N TO WES	T OAKS	MALL				WES	T OAKS	MALL TO	DOWN	OWN	
LYNX CENTRAL STATION	MILLS AVE. & COLONIAL DR.	ORANGE AVE. & ROLLINS ST.	PRINCETON ST. & JOHN YOUNG PKWY. WALMART	SILVER STAR RD. & PINE HILLS RD.	SILVER STAR RD. & HIAWASSEE RD.	WEST OAKS MALL		WEST OAKS MALL	SILVER STAR RD. & HIAWASSEE RD.	SILVER STAR RD. & PINE HILLS RD.	PRINCETON ST. & JOHN YOUNG PKWY. WALMART	ORANGE AVE. & ROLLINS ST.	MILLS AVE. & COLONIAL DR.	LYNX CENTRAL STATION
1 4:45 5:15 5:45 6:45 7:45 8:15 9:45 10:45 11:15 12:45 1:45 2:45 3:45 4:15 5:15 5:45 5:15 5:45 5:15 5:45	2 4:53 5:23 6:53 7:23 8:53 9:23 9:53 10:53 11:23 12:23 1:53 1:23 1:53 2:23 3:53 4:23 3:53 4:53 5:53 6:53 7:53 10:53 1:553 1:555 1:5	3 4.59 5.29 6.29 6.29 6.59 7.29 8.29 9.29 10.29 10.29 10.29 10.29 10.29 10.29 11.29 12.29 1.29 2.29 3.29 3.29 3.29 4.29 5.29 5.29 5.29 5.29 5.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1	4           5:10           5:40           6:40           7:10           8:40           9:40           10:10           11:10           11:40           11:10           11:40           3:40           5:10           6:40           9:10           11:10           11:40           11:40           11:10           11:40           5:10           6:40           7:10           8:10           11:10           11:10           11:10           11:10           11:10	5 5:17 5:47 6:47 7:17 7:47 8:47 9:47 9:47 9:47 10:17 10:17 10:17 10:17 10:17 11:47 11:47 12:47 11:17 12:47 3:17 5:47 6:17 5:47 6:17 12:47 11:17 12:47 1:17 5:47 6:17 11:17	5:24 5:54 6:24 7:24 7:54 8:54 9:54 10:24 10:54 10:24 10:54 11:54 12:24 12:54 12:54 12:54 12:54 12:54 3:54 4:24 5:54 5:54 6:54 7:24 12:54 12:24 12:54 12:24 12:54 12:24 12:54 12:24	5:35 6:05 6:35 7:05 7:35 8:05 9:35 9:35 11:05 12:35 1:05 1:35 2:35 3:05 5:35 6:05 5:35 6:05 5:35 6:05 5:35 6:05 5:35 6:35 7:05		4:42 5:12 5:42 5:42 6:12 6:42 7:12 8:12 9:42 9:42 9:42 9:42 9:42 9:42 9:42 9:4	4:55           5:25           5:55           6:25           6:25           6:25           7:25           8:55           9:25           10:25           11:25           11:25           1:255           1:255           3:25           3:25           3:25           4:55           5:55           6:25           5:55           6:25           5:55           6:25           5:55           6:25           6:55           7:55           5:55           6:25           6:55           8:55           9:55           10:55           11:55	5 5.01 5.31 6.01 7.31 8.01 8.01 8.01 9.31 9.31 10.01 11.31 12.01 3.31 4.01 3.31 4.01 3.31 4.01 3.31 5.01 6.01 6.01 1.2.01 3.31 5.01 6.01 7.31	4 5.08 5.38 6.38 7.08 8.38 9.08 9.38 9.38 10.38 11.38 12.08 12.38 1.38 2.38 3.38 4.38 5.08 5.38 6.38 5.38 5.38 5.38 5.38 5.38 6.38 5.38	3 5:20 5:50 6:20 7:20 8:20 8:20 9:20 10:20 11:20 11:20 12:20 12:20 2:20 2	2 5.27 5.57 6.27 7.57 8.27 8.57 9.27 10.27 10.27 10.27 11.27 12.27 2.27 2.27 3.27 5.27 5.27 5.27 6.57 1.27	5:35 6:05 6:35 7:05 7:35 8:05 9:35 10:05 11:05 12:05 12:05 12:05 12:05 1
5:45 6:15 6:45 7:45 8:45 9:45 10:45 11:45 12:45	5:53 6:23 6:53 7:53 8:53 9:53 10:53 11:53 12:53	5:59 6:29 6:59 7:59 8:59 9:59 10:59 11:59 12:59	6:10 6:40 7:10 8:10 9:10 10:10 11:10 12:10 1:10	6:17 6:47 7:17 8:17 9:17 10:17 11:17 12:17 1:17	6:24 6:54 7:24 8:24 9:24 10:24 11:24 12:24 1:24	6:35 7:05 7:35 8:35 9:35 10:35 11:35 12:35 1:35		5:42 6:12 6:42 7:42 8:42 9:42 10:42 11:42	5:55 6:25 6:55 7:55 8:55 9:55 10:55 11:55	6:01 6:31 7:01 8:01 9:01 10:01 11:01 12:01	6:08 6:38 7:08 8:08 9:08 10:08 11:08 12:08	6:20 6:50 7:20 8:20 9:20 10:20 11:20 12:20	6:27 6:57 7:27 8:27 9:27 10:27 11:27 12:27	6:3 7:0 7:3 8:3 9:3 10:3 11:3 12:3

P.M. Times are shown in bold

P.M. Times are shown in bold

Link 125 Schedule



# Westbound

# to DeBary SunRail Station

Deltona Plaza	*Saxon Blvd Park & Ride	Kohl's	*Saxon Blvd Market Place	Charles Beall/ Highbanks	DeBary SunRail Station	SunRail Departs
5:18	5:26	5:29	5:33	5:39	5:45	6:00
6:18	6:26	6:29	6:33	6:39	6:45	7:00
7:18	7:26	7:29	7:33	7:39	7:45	8:00
3:18	3:26	3:29	3:33	3:39	3:45 🛈	<b>4:00</b>
4:18	4:26	4:29	4:33	4:39	4:45	5:00
5:18	5:26	5:29	5:33	5:39	5:45	6:00
6:18	6:26	6:29	6:33	6:39	6:45	-:-
7:18	7:26	7:29	7:33	7:39	7:45	8:00

\* Buses do not enter Park and Ride or Market Place. Stop located on Saxon Blvd.

# Eastbound

## to Deltona Plaza

Ö SunRail Arrives	DeBary SunRail Station	Charles Beall/ Highbanks	*Saxon Blvd Market Place	Florida Hospital Fish Memorial	*Saxon Blvd Park & Ride	Deltona Plaza
-:-	5:50	5:57	6:03	6:07	6:10	6:17
-:-	6:50	6:57	7:03	7:07	7:10	7:17
7:48	7:50	7:57	8:03	8:07	8:10	8:17
8:48	8:50	8:57	9:03	9:07	9:10	9:17 <b>O</b>
5:48	5:50	5:57	6:03	6:07	6:10	6:17
6:48	6:50	6:57	7:03	7:07	7:10	7:17
7:48	7:50	7:57	8:03	8:07	8:10	8:17 <b>D</b>

\* Buses do not enter Park and Ride or Market Place. Stop located on Saxon Blvd.

Link 32 Schedule

# SunRail - Dupont Lakes Express WEEKDAYS

This bus is an express route and only stops at the time points listed below. Este bus es una ruta express y sólo se detiene en las paradas que se indican a continuación.

# Westbound

West	oound			to DeBa	ry SunRai	il Station
Dupont Lakes Shopping Ctr	Deltona City Hall	*Saxon Blvd Park & Ride	Kohl's	*Saxon Blvd Market Place	DeBary SunRail Station	<b>Ü</b> SunRail Departs
4:25	4:33	4:52	4:56	5:00	5:15 🛈	5:30
5:25	5:33	5:52	5:56	6:00	6:15 🛈	6:30
6:25	6:33	6:52	6:56	7:00	7:15	7:30
2:25	2:33	2:52	2:56	3:00	3:15	3:30
4:25	4:33	4:52	4:56	5:00	5:15	5:30

\* Buses do not enter Park and Ride or Market Place. Stop located on Saxon Blvd.

# **Eastbound**

# to Dupont Lakes Shopping Center

Ö SunRail Arrives	DeBary SunRail Station	*Saxon Blvd Market Place	Florida Hospital Fish Memorial	*Saxon Blvd Park & Ride	Deltona City Hall	Dupont Lakes Shopping Ctr
7:18	7:20	7:34	7:39	7:43	8:04	8:12 🛈
8:18	8:28	8:42	8:47	8:51	9:12	9:20 <b>D</b>
-:-	3:20	3:34	3:39	3:43	4:04	4:12
5:18	5:20	5:34	5:39	5:43	6:04	6:12 <b>D</b>
6:18	6:30	6:44	6:49	6:53	7:14	7:22 🛈

\* Buses do not enter Park and Ride or Market Place. Stop located on Saxon Blvd.

#### Link 33 Schedule





#### Link 10 Schedule

## Link 10

								Sa	iturday			
			KISSIMM	IEE TO ST	. CLOUD	)			ST. CI	OUD TO	KISSIM	MEE
LYNX KISSIMMEE INTERMODAL STATION	VALENCIA COLLEGE OSCEOLA	U.S. 192 & SIMPSON RD.	ST. CLOUD WALMART SUPERCENTER (ARRIVE)	ST. CLOUD WALMART SUPERCENTER (DEPART)	10TH ST. & NEW YORK AVE.	GRAPE AVE. & U.S. 192	17TH ST. & VERMONT AVE.	ST. CLOUD WALMART SUPERCENTER	ST. CLOUD WALMART SUPERCENTER	U.S. 192 & SIMPSON RD.	VALENCIA COLLEGE OSCEOLA	LYNX KISSIMMEE INTERMODAL STATION
1	2	3	4	4	5	6	7	4	4	3	2	1
4:15 5:15 6:15 7:15 8:15 9:15 10:15 11:15 12:15 1:15 3:15 6:15 7:15 8:15 9:15	4:28 5:28 6:29 7:29 9:29 9:29 10:29 12:29 1:29 1:29 3:29 5:29 6:29 7:27 8:27 9:27	4:38 5:38 6:40 7:40 8:40 9:40 10:40 10:40 11:40 1:40 1:40 2:40 3:40 5:40 6:40 7:37 8:37 9:37	4:49 5:51 6:53 7:53 8:53 9:53 10:53 11:53 11:53 11:53 11:53 11:53 2:53 3:553 4:53 5:53 6:51 7:48 8:88 8:48	4:54 5:56 6:58 7:58 8:58 9:58 10:58 11:58 12:58 12:58 12:58 3:58 4:58 5:58 6:56 7:53 8:53 9:53	5:04 6:07 7:09 8:09 9:09 10:09 11:09 12:09 1:09 2:09 3:09 4:09 5:09 5:09 6:09 7:05 8:02 9:02 2:10:02	5:10 6:13 7:15 8:15 9:15 10:15 11:15 1:15 2:15 3:15 4:15 5:15 6:15 7:11 8:08 9:08	5:19 6:22 7:24 8:24 9:24 10:24 11:24 12:24 1:24 1:24 3:24 4:24 5:24 6:24 7:20 8:17 9:17	5:28 6:31 7:33 9:33 9:33 10:33 11:33 11:33 1:33 2:33 3:33 4:33 5:33 6:32 7:28 8:25 9:25	5:42 6:43 7:43 8:43 9:43 10:43 11:43 12:43 1:43 2:43 3:43 5:43 6:44 7:43 8:43 9:43 10:43	5:52 6:55 7:55 9:55 10:55 11:55 1:55 2:55 3:55 4:55 5:55 6:56 7:53 8:53 9:53	6:04 7:07 8:07 9:07 10:07 11:07 1:07 2:07 3:07 4:07 5:07 6:07 7:07 8:04 9:04 10:04	6:16 7:19 8:19 9:19 10:19 11:19 12:19 12:19 2:19 3:19 4:19 5:19 5:19 7:18 8:15 9:15 10:15

P.M. Times are shown in bold

No Sunday/Holiday service

Page 47 CC

Link 10 Schedule



Link 18 Schedule

	k 1	8					Monday	- Frida	v						
	DOV	NNTO	WN OF	RLANDO	то кі	SSIMME	E	That	) KISSI	MMEE TO	DOWN	ITOWN	ORLAN	NDO	
LYNX CENTRAL STATION	ORANGE AVE. & Michigan ST.	ORANGE AVE. & OFFICE CT.	SAND LAKE SUNRAIL	BUENAVENTURA ) BLVD. & OSCEOLA DKWV	OSCEOLA PKWY.	SUPERCENTER VALENCIA COLLEGE OSCFOLA	LYNX KISSIMMEE INTERMODAL STATION	LYNX KISSIMMEE INTERMODAL STATION	VALENCIA COLLEGE OSCEOLA	OSCEOLA PKWY. ) WALMART SUPERCENTER	BUENAVENTURA BLVD. & OSCEOLA PKWY.	SAND LAKE SUNRAIL	ORANGE AVE. & OFFICE CT.	ORANGE AVE. & MICHIGAN ST.	LYNX CENTRAL STATION
5:30 6:30 7:30 8:30 9:30 10:30 11:30 1:30 2:30 3:30 4:30 5:30 6:30 7:30 P.M.	2 5:47 6:47 7:47 8:47 9:49 10:49 11:49 12:49 1:49 2:49 3:49 4:49 5:49 6:49 7:49 Time	3	4 6:05 7:05 8:05 9:05 10:03 11:03 12:03 1:03 2:03 3:03 4:03 5:03 6:03 7:03 8:03 8:03 2:03 8:03 0:05 0:03 1:03 0:05 0:05	6:29 7:29 8:29 9:31 10:29 11:29 12:29 1:29 3:29 3:29 4:29 5:29 6:29 7:29 8:29 8:29 Wn in	6 6:44 7:44 9:44 10:44 11:44 11:44 1:44 1:44 2:44 2:44 5:4 6:4 7:4 8:4 bold	7       4       6:55       4       7:55       4       8:52       6       9:53       4       10:55       4       12:51       4       12:51       4       12:51       4       15:14       4       5:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       4       6:51       6:51       6:51       6:51       6:51       6:51       6:51       6:51 <td< td=""><td>8           7:05           8:05           9:05           10:07           11:05           2:05           3:05           4:05           5:05           6:05           7:05           8:05           9:05</td><td>8 4:35 5:36 6:30 7:30 9:30 10:30 11:30 12:30 1:30 2:30 4:30 5:30 6:30 7:30 8:30 9:30</td><td>4:45 5:45 6:40 7:40 8:40 9:40 10:40 11:40 11:40 11:40 11:40 1:40 2:40 3:40 4:40 5:40 6:40 7:40 8:40 9:40</td><td>6 4:57 5:57 6:52 7:52 9:52 9:52 11:52 2:52 3:52 4:52 2:52 3:52 6:52 6:52 7:52 8:52 9:52</td><td>5:12 6:12 7:08 8:08 9:08 10:08 12:08 1:08 2:08 3:08 4:08 5:08 6:08 7:08 8:08 9:08 10:08</td><td>4 5:33 6.33 7:33 8:33 9:33 10:33 12:33 1:33 2:33 4:33 5:33 6:33 7:33 8:33 9:33 9:33 10:33</td><td>3</td><td>2 5:50 6:50 7:50 8:50 9:50 10:50 11:50 12:50 1:50 2:50 3:50 4:50 5:50 6:50 7:50 8:50 9:50 10:50</td><td>1 6:05 7:05 8:05 9:05 10:05 11:05 2:05 3:05 4:05 5:05 6:05 7:05 8:05 9:05 10:05 11:05</td></td<>	8           7:05           8:05           9:05           10:07           11:05           2:05           3:05           4:05           5:05           6:05           7:05           8:05           9:05	8 4:35 5:36 6:30 7:30 9:30 10:30 11:30 12:30 1:30 2:30 4:30 5:30 6:30 7:30 8:30 9:30	4:45 5:45 6:40 7:40 8:40 9:40 10:40 11:40 11:40 11:40 11:40 1:40 2:40 3:40 4:40 5:40 6:40 7:40 8:40 9:40	6 4:57 5:57 6:52 7:52 9:52 9:52 11:52 2:52 3:52 4:52 2:52 3:52 6:52 6:52 7:52 8:52 9:52	5:12 6:12 7:08 8:08 9:08 10:08 12:08 1:08 2:08 3:08 4:08 5:08 6:08 7:08 8:08 9:08 10:08	4 5:33 6.33 7:33 8:33 9:33 10:33 12:33 1:33 2:33 4:33 5:33 6:33 7:33 8:33 9:33 9:33 10:33	3	2 5:50 6:50 7:50 8:50 9:50 10:50 11:50 12:50 1:50 2:50 3:50 4:50 5:50 6:50 7:50 8:50 9:50 10:50	1 6:05 7:05 8:05 9:05 10:05 11:05 2:05 3:05 4:05 5:05 6:05 7:05 8:05 9:05 10:05 11:05
							Satu	rday							
	DOV	WNTO	WN OF	RLANDO	то кіз	SSIMME	Satu ₅	rday	KISSI	ммее то	DOWN	ITOWN	ORLAN	IDO	
YNX CENTRAL	DRANGE AVE. & AICHIGAN ST.	Drange ave. &	AND LAKE		DISCEOLA PKWY.		Satu NTX KISSIMMEE TATION TATION	ruta viesimmee		SSCEOLA PKWY.	UENAVENTURA BLVD. O cocceola PKWY.	AND LAKE	DRANGE AVE. & UNITION OFFICE CT.	RANGE AVE. & S AICHIGAN ST.	YNX CENTRAL TATION
0.00 0.00	DOU UNDER	OKANGE AVE. & OFANGE AVE. & 0FFICE CT. 0FFICE CT.	A SAND LAKE	BUND BUND BUND BUND BUND BUND BUND BUND	0 COCEOLA PKWY. 0 COCEOLA PKWY. 10:33 10:33 11:34 11:	SIDERCENTER SUPER	Satu Participantial Status Sta	rday HILEWNODAL INXX KISSIMMEE INXX KISSIMMEE IXXX KISSIMMEE IXXXX KISSIMMEE IXXXX KISSIM IXXXX KISSIMMEE IXXXX KISSIMMEE IXXXX KISSIMA IXXXX KISSIMA IXXXX KISSIMA IXXXX KISSIMA IXXXXX KISSIMA IXXXXX KISSIMA IXXXXXXXXXXXXXX	ATENCIA COLLEGE A:455 A:455 A:45 A:45 A:45 A:45 A:45 A:	MMEE TO SCEOLA PKWY. 0 05CEOLA PKWY.	© OSCECOLA PKWY. © OSCECOLA PKWY. 0:14 0:14 0:14 0:14 1:12 1:14 1:14 1:12 1:14	SAND LAKE     SUNRAIL	ORLAN 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	OUX OUX OUX OUX OUX OUX OUX OUX	CENTRAL 2009 212100 212100 212100 212100 212100 212100 212100 212100 212100 212100 212100

Link 18 Schedule



Link 26 Schedule



#### Link 26 Schedule


Link 55 Schedule

:

SERVING:

Osceola Square Mall

Osceola Square Mall
Old Town
Celebration
Walt Disney World Resort
Transportation and

Magic Kingdom Cast Bus Station

LYNX Kissimmee Intermodal

Disney University

Station

Link 56

Kingdom

W. U.S. 192/Magic

Monday–Sunday & Holiday

service	<ul> <li>Transportation</li> <li>Ticket Center</li> </ul>	and	
MAGIC KINGDOM CAST BUS STATION TRANSPORTATION AND TICKET CENTER UNIVERSITY CELEBRATION CELEBRATION CELEBRATION CELEBRATION CELEBRATION CELEBRATION CELEBRATION CELEBRATION CELEBRATION	Ticket Center		A AVENUE CHILDRANG A AVENUE AND A AVENUE AND A AVENUE IVIX KISSIMMEE KISSIMAE KISSIMEE KISSIMAE KISAA KISSIMAE KISSIMAE KISSIMAE KISSIMAE KISIMAE KISSIM
Additional stops are located approximately every two blocks along each Link.			
		Page 109	<u></u>

### Link 56 Schedule

## Link 56

Monday - Sunday & Holiday												
LYNX KISSIMMEE INTERMODAL STATION TO MAGIC KINGDOM MAGIC KINGDOM TO LYNX KISSIMMEE INTERMODAL STAT								MODAL STATION				
LYNX KISSIMMEE INERMODAL STATION	OSCEOLA SQUARE MALL	U.S. 192 & SR 535	OLD TOWN	TRANSPORTATION AND TICKET CENTER	DISNEY UNIVERSITY	TRANSPORTATION AND TICKET CENTER		TRANSPORTATION AND TICKET CENTER	OLD TOWN	U.S. 192 & SR 535	OSCEOLA SQUARE MALL	LYNX KISSIMMEE INERMODAL STATION
1	2	3	4	5	6	5		5	4	3	2	1
5:30 6:00 7:00 8:00 8:30 9:00 10:00 10:00 11:00 12:00 11:30 12:00 1:30 2:00 1:30 2:00 3:30 4:00 5:00 5:30 6:30 7:00 7:00 8:30 9:30 10:00	5:45 6:15 6:45 7:15 7:45 8:45 9:45 10:15 10:45 11:45 11:45 11:45 11:45 1:45 2:15 2:15 2:15 2:45 5:45 6:45 7:15 5:45 6:45 7:15 8:45 9:45 11:45 11:45 2:15 2:15 5:45 6:45 7:15 11:45 5:15 11:45 5:15 5:15 5:15 5:15	5:57 6:57 7:57 8:28 9:58 9:58 10:28 11:58 12:28 11:58 12:28 11:58 12:28 11:58 2:28 3:58 4:28 3:58 5:58 5:58 6:58 7:57 7:57 8:57 7:57 8:57 7:57 8:57 11:58 5:58 6:58 7:57 7:57 8:57 11:58 5:58 5:58 6:58 7:57 7:57 11:58 5:58 5:58 5:58 5:58 5:58 5:58 5:5	6:06 6:36 7:06 7:36 8:06 8:37 9:07 9:37 10:07 10:37 10:07 10:37 11:37 12:07 12:07 12:37 12:07 12:37 3:37 3:37 4:07 4:37 5:07 5:37 6:07 6:37 7:06 8:36 8:36 9:06 9:06 10:06 10:36	6:27 6:57 7:27 7:57 8:28 8:59 9:29 9:59 10:29 10:59 11:29 12:29 1:29 1:29 1:29 1:29 1:29 1:59 3:59 4:29 3:59 4:29 5:59 6:59 6:59 6:57 8:57 9:27 9:57 10:57	6:34 7:04 7:34 8:04 9:36 10:36 11:36 11:36 11:36 12:36 1:36 1:36 2:36 3:36 3:36 3:36 3:36 5:36 5:36 5:36 5	6:41 7:11 7:41 8:11 8:42 9:13 9:43 10:13 10:43 11:13 11:43 12:43 1:13 1:43 12:43 1:13 1:43 2:13 2:43 3:13 3:343 4:13 4:43 5:43 6:13 6:43 7:13 7:42 8:11 8:41 9:11 9:41 10:11 10:11 10:11 10:11 10:11		6:53 7:22 7:51 8:21 9:21 9:51 10:51 11:21 11:21 12:51 1:21 12:51 1:21 2:51 3:21 2:51 3:51 4:21 4:51 5:51 6:22 7:22 7:52 8:22 9:52 10:22 10:22 10:20	7:14 7:43 8:13 9:43 10:13 10:43 11:13 12:43 11:43 12:43 1:143 2:13 2:43 3:13 3:413 4:43 5:13 6:43 7:43 8:13 8:43 9:13 9:43 10:13 10:13 10:13 10:13 10:13 10:13 10:13	7:23 7:52 8:22 9:52 10:22 11:52 11:52 12:52 1:52 1:52 1:52 2:22 3:22 3:22 3:22 3:22 3:22 4:52 5:22 6:52 7:52 6:52 7:52 8:22 8:52 9:52 10:22	7:35 8:05 9:05 9:05 10:05 11:05 11:05 12:05 12:05 12:05 12:05 2:05 2:05 2:05 3:05 5:05 5:35 6:05 5:35 6:05 5:35 6:35 9:05 9:05 9:05 9:05 11:05	7:50 8:20 8:50 9:20 9:50 10:20 10:50 11:20 12:20 12:50 1:50 2:20 2:50 3:20 3:50 4:20 4:50 5:20 5:50 6:20 6:50 7:20 7:50 8:20 8:50 9:50 10:20 10:50 11:20
11:00	11:15	11:27	11:36	11:57	12:04	12:11						

Monday - Sunday & Holiday

P.M. Times are shown in bold

\*Service interruption may occur during fireworks events 8:30 pm - 10:30 pm



## Link 56 Schedule



Link 57 Schedule



Link 108 Schedule

## Link 108

Monday - Friday							
FLORIDA MALL TO KISSIMMEE	KISSIMMEE TO FLORIDA MALL						
FLORIDA MALL O.B.T. & HUNTERS CREEK BLVD. LYNX KISSIMMEE INTERMODAL STATION	LYNX KISSIMMEE INTERMODAL STATION O.B.T. & HUNTERS CREEK BLVD. FLORIDA MALL						
1       2       3         5:00       5:23       5:43         5:30       5:53       6:13         6:00       6:25       6:45         6:30       6:55       7:15         7:00       7:25       8:15         8:00       8:25       8:45         8:30       8:55       9:15         9:00       9:25       9:45         9:30       9:55       10:15         10:00       10:25       10:45         10:30       10:55       11:15         11:00       11:25       11:45         11:30       11:55       12:15         12:00       12:25       12:45         13:00       12:25       1:45         13:00       12:25       1:45         13:00       12:25       1:45         13:00       12:25       1:45         13:00       12:25       1:45         13:00       12:25       1:45         13:00       12:55       3:15         3:00       3:25       3:45         3:00       3:25       5:45         5:00       5:25       5:45         5:30 <td< td=""><td>3       2       1         4:30       4:48       5:11         5:00       5:18       5:43         5:30       5:49       6:14         6:00       6:19       6:44         6:30       6:49       7:14         7:00       7:19       7:44         7:00       7:19       7:44         8:00       8:19       8:44         8:00       8:19       8:44         8:30       8:49       9:14         9:00       9:19       9:44         9:30       9:49       10:14         10:00       10:19       10:44         10:30       10:49       11:14         11:00       11:19       11:44         11:30       12:49       1:14         12:00       12:19       12:44         12:00       12:19       12:44         13:00       1:49       2:14         2:00       2:19       2:44         2:30       2:49       3:14         3:00       3:19       3:44         3:00       3:19       3:44         3:00       3:19       3:44         5:00       5:19</td></td<>	3       2       1         4:30       4:48       5:11         5:00       5:18       5:43         5:30       5:49       6:14         6:00       6:19       6:44         6:30       6:49       7:14         7:00       7:19       7:44         7:00       7:19       7:44         8:00       8:19       8:44         8:00       8:19       8:44         8:30       8:49       9:14         9:00       9:19       9:44         9:30       9:49       10:14         10:00       10:19       10:44         10:30       10:49       11:14         11:00       11:19       11:44         11:30       12:49       1:14         12:00       12:19       12:44         12:00       12:19       12:44         13:00       1:49       2:14         2:00       2:19       2:44         2:30       2:49       3:14         3:00       3:19       3:44         3:00       3:19       3:44         3:00       3:19       3:44         5:00       5:19						
9:30 9:53 10:17 10:06 10:27 10:47 10:50 *10:48 11:07 *11:48 12:07 *12:48 1:07	9:00         9:18         9:41           9:30         9:48         10:11           10:00         10:18         10:41           *11:10         11:29           *12:10         12:29           *1:10         1:29						

#### P.M. Times are shown in bold

\*These trips will not service LYNX Kissimmee Intermodal Station



## Link 108 Schedule

# Link 108

FLORIDA MALL TO KISSIMMEE KISSI	MMEE	TO FLO					
		KISSIMMEE TO FLORIDA MALL					
FLORIDA MALL O.B.T. & HUNTERS CREEK BLVD. LYNX KISSIMMEE INTERMODAL STATION	LYNX KISSIMMEE INTERMODAL STATION	O.B.T. & HUNTERS CREEK BLVD.	FLORIDA MALL				
1       2       3         5:07       5:30       5:50         5:37       6:00       6:20         6:05       6:30       6:50         6:35       7:00       7:20         7:05       7:30       7:50         7:35       8:00       8:20         8:05       8:30       8:50         8:35       9:00       9:20         9:05       9:30       9:50         9:35       10:00       10:20         10:05       10:30       10:50         10:35       11:00       11:20         11:05       11:30       11:50         11:35       12:00       12:20         12:05       12:30       12:50         12:35       1000       12:20         10:35       11:00       11:20         11:35       12:00       2:20         2:05       2:30       2:50         2:35       3:00       3:20         3:05       5:30       5:50         5:35       6:00       6:19         6:06       6:31       6:50         6:38       7:01       7:50         7:38       8:01<	4:30           5:00           5:30           6:00           6:00           6:00           6:00           6:00           6:00           6:00           6:00           6:00           6:00           6:00           6:00           8:00           8:30           9:00           9:00           9:00           9:00           9:00           9:00           11:00           11:00           12:00           2:30           3:00           3:30           4:00           4:00           5:00           5:30           6:00           7:00           7:00           7:00           7:00           7:00           7:00           7:00           7:00           7:30           8:30           9:00           9:00           0:00	4:48 5:18 5:48 6:19 6:49 7:19 8:49 9:19 9:49 10:19 10:49 11:49 12:49 1:19 1:49 2:19 2:49 3:19 3:49 4:49 5:19 5:49 6:19 6:48 7:18 7:48 8:18 8:48 9:18 9:18 10:18	5:11 5:41 6:13 6:44 7:14 7:44 8:14 8:14 8:44 9:14 9:14 9:14 9:14 9:14 10:14 10:14 10:14 10:44 11:14 11:44 12:14 12				

Page 135

### Link 108 Schedule

# Link 108

Sunday & Holiday								
FLORIDA MALL TO KISSIMMEE KISSIMMEE TO FLORIDA MALL								
		NO		NO				
_	ERS	ATI		E	ERS	<u> </u>		
IAL	E.	E S		ME	E.	IAL		
2	로칠	DAI		DAI	루칠	Z		
D	<u>~</u> C	NO SIS		MO	<u>~</u> 0	D		
OR	Ξ	Χü		ER IX	ΞЩ	SR		
FL	55	ΣĮ		INT	ы. С	FL		
1	2	3		3	2	1		
5.20	5.50	6:12		4161	5.01	5.20		
6:00	6:20	6:42		5:11	5:31	5:50		
6:30	6:50	7:12		5:39	5:59	6:20		
7:00	7:20	7:42		6:08	6:29	6:50		
7:30	7:50	8:12		6:38	6:59	7:20		
8:00	8:20	8:42		7:08	7:29	7:50		
8:30	8:50	9:12		7:38	7:59	8:20		
9:00	9:20	9:42		8:08	8:29	8:50		
9:30	9:50	10:12		8:38	8:59	9:20		
10:00	10:20	10.42		9.00	9.29	9.50		
11:00	11:20	11:42		10:08	10:29	10:50		
11:30	11:50	12:12		10:38	10:59	11:20		
12:00	12:20	12:42		11:08	11:29	11:50		
12:30	12:50	1:12		11:38	11:59	12:20		
1:00	1:20	1:42		12:08	12:29	12:50		
1:30	1:50	2:12		12:38	12:59	1:20		
2:00	2:20	2:42		1:08	1:29	1:50		
2:30	3.20	3.41		2.08	2.29	2:20		
3:30	3:50	4:11		2:42	3:01	3:20		
4:00	4:20	4:41		3:12	3:31	3:50		
4:30	4:50	5:11		3:42	4:01	4:20		
5:00	5:20	5:41		4:12	4:31	4:50		
5:30	5:50	6:11		4:42	5:01	5:20		
6:00	6:20	6:40		5:12	5:31	5:50		
6:30	6:50	7:08		5:42	6:01	6:20		
7:00	7:20	7:38		6:12	0:31	0:50		
8:00	8:20	8:38		7:13	7:31	7:50		
8:30	8:50	9:08		7:43	8:01	8:20		
9:00	9:20	9:38		8:13	8:31	8:50		
9:30	9:50	10:08		8:43	9:01	9:20		

P.M. Times are shown in bold



Link 108 Schedule



Link 306 Schedule



Link 441 Schedule