

# Transportation Advisory Board



**August 9, 2016 at 8:30 a.m.**

Chief Raymond E. Beary Community Room • Second Floor  
Public Safety Facility • 500 N. Virginia Ave.

## **1 administrative**

- A. Call to order**
- B. Approval of Transportation Advisory Board Minutes from July 12, 2016 board meeting. 5 minutes**
- C. Chairman's Report. 5 minutes**
- D. Staff's Report. 5 minutes**

## **2 action items**

- A. Bikeshare re-confirmation board's desired location at Sunrail. 5-10 minutes**

**NOTE: Citizen Comments for Action Items (up to 3 minutes per person) will be heard after the second motion for each topic.**

## **3 informational / discussion items**

- A. Mission Statement. 10 minutes**
- B. Report on Enforcement Activity along S Pennsylvania Ave – Lt Bruce Robinson. 5-10 minutes**
- C. Comprehensive Plan Update – Dori Stone, Director for Planning and Community Development. 5 minutes**
- D. Comprehensive Plan Transportation Element Level of Service (LOS) – 30 minutes**
- E. Open Transportation Advisory Board Member Discussion. Time permitting.**

#### **4. new business**

**A. Citizen Comments for general traffic and transportation topics (up to 3 minutes per person). This item is scheduled for 9:30am.**

#### **5. adjourn**

**A. Agenda requests and/or announcements. 5 minutes**

**B. Review Action Items identified during meeting. 5 minutes**

**C. Next regular meeting, Tuesday September 13 at 8:30 a.m.**

### appeals & assistance

"If a person decides to appeal any decision made by the Board with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." (F. S. 286.0105).

"Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office (407-599-3277) at least 48 hours in advance of the meeting."

**The CITY OF WINTER PARK  
TRANSPORTATION ADVISORY BOARD  
MINUTES**

**Regular Meeting**  
**Public Safety Building, 500 N. Virginia Avenue**  
**Chief Raymond E. Beary Community Room**

**July 12, 2016**

**Present:** David Erne, Duane Skage, Tonya Mellen, Marc Reicher, Harry Barley, Jill Hamilton Buss, and Jim McFarland

**Absent:** None

**City of Winter Park Staff:** Lieutenant Robinson, Police Dept.; Lindsey Hayes and Abby Gulden, Planning and Community Development; Jody Lazar, Winter Park Public Library; Butch Margraf and Keith Moore Public Works Dept.

**EXECUTIVE SUMMARY**

- **Board Election of Officers Chairman and Vice-Chairman**
- **Transportation Advisory Board Mission Statement**
- **Roadway Statistics for Winter Park**

**I. ADMINISTRATIVE ITEMS**

**Call to Order:** Chm. Erne called the meeting to order at 8:30 a.m.

**Approval of Minutes**

Chm. Erne asked for approval of the May 10, 2016 minutes. Mr. Barley moved to approve the minutes as amended; Mr. Skage seconded the motion. Motion carried unanimously with a vote of 7-0. Chm. Erne asked for approval of the June 14, 2016 minutes. Mr. Barley moved to approve the minutes as amended; Mr. Skage seconded the motion. Motion carried unanimously by a vote of 7-0.

**Chairman's Report**

1. Chm. Erne asked the Board members to introduce themselves.
2. We have an opening for an alternate on the Transportation Advisory Board.

**Staff Report presented by Mr. Margraf.** (See attached Project updates dated July 12, 2016).

Mr. Margraf reviewed the change in procedures for Citizen Comments. Action items - a citizen can speak at the time it is presented. General comments - will be accepted at the scheduled time, 9:30 am.

1. Real Time Traffic Management—Funding. Congressman Mica has submitted for funding to be used for real-time traffic management.
2. Bike Share. Mr. Margraf and Mr. Peter Martinez are committed to get bike share started at the Sun Rail Station. The Board members favor different locations than City staff for this location. Mr. Margraf stated City staff is concerned about esthetics. Bike share will be on the Agenda at the August Board meeting.
3. Board Training. Board members reported the training was well done. Chm. Erne requested a copy of it.
4. The City was awarded the Healthy Central Florida Health Innovation Grant for which we can obtain copies of map cards with walking and biking routes.
5. City boat tour ADA access. We were contacted about ADA access. We are working with the Department of Justice (DOJ). It appears we can build a boat dock ramp to give ADA access within 6-12 months.

**Citizen Comments – 9:30 am - none**

**II. Action Items**

- A. **Board Election of Officers Chairman and Vice-Chairman.**

**Chairman.** Mr. Barley made a motion to nominate David Erne as the Chairman; Ms. Hamilton Buss seconded the motion; motion carried unanimously by a vote of 7-0.

**Vice Chairman.** Mr. Reicher made a motion to nominate Tonya Mellen as Vice-Chairman; Mr. McFarland seconded the motion; motion carried unanimously by a vote of 7-0.

**B. Adopt First Draft of Transportation Advisory Board Mission Statement.**

Mr. Margraf suggested to tentatively adopt the mission statement created by the Transportation Task Force formerly used in the Comprehensive Plan. "Winter Park will continue to be a walkable, pedestrian and bicycle-friendly, sustainable, treed, relaxed, beautiful, safe, urban village that promotes neighborliness and courtesy among its citizens and visitors." The Board members will review it and it will be on the agenda for August.

**INFORMATIONAL/DISCUSSION ITEMS**

**A. Comprehensive Plan Update.** Dori Stone will present an update at the August Board meeting. Mr. Margraf spoke about the 2016 Comprehensive Plan Timeline and reported the elements that apply to the Transportation Advisory Board. He suggested the Board members read the Land Use on the City Website (Goals, Objectives and Policies).

The two elements specific to the Transportation Advisory Board:

1. Future Land Use, September 13, 2016
2. Transportation, October 11, 2016

Mr. Margraf stated Kimley Horn has committed to three meetings with us as a Board to discuss the Comprehensive Plan update. They will make recommendations and bring those to us to weigh in on.

Roadway Statistics for Winter Park–Presented by Butch Margraf, Traffic Manager. Mr. Margraf reported on roadway and sidewalk statistics in the City of Winter Park. He brought before the Board the current sidewalk policy and suggested it be changed. The Health Innovation Grant information will be attached to the minutes.

Mr. Moore and Mr. Margraf met with the City Manager of Maitland, the Maitland Parks Director, and a Maitland resident and they talked about a conservation trail connecting the neighborhoods in North Winter Park up to Tuscarora Trail. A mini grant was awarded to a Maitland resident and the City of Maitland from Healthy Central Florida to study the feasibility of this trail.

Mayflower Trail. The possibility of extending St. Andrews trail across Aloma Avenue was discussed. Mr. Margraf reported the Mayflower has a new director and he will contact him to talk about this.

Bicycle Wayfinding Pilot Project – Mr. Margraf is in the process of designing the signs for the pilot project.

**Agenda Requests**

Action Items:

Bike Share

Discussion Items:

Comprehensive Plan – Transportation element level of Service (LOS) Land Use  
Mission Statement

**ADJOURNMENT**

Chm. Erne adjourned the meeting at 10:00 a.m. Next meeting is August 9, 2016 at 8:30 a.m., Public Safety Building, Chief Raymond E. Beary Community Room (2<sup>nd</sup> floor) at 500 N. Virginia Avenue.

Respectfully submitted,

Debra Moore, Staff Assistant



Project Updates by Staff for July 12, 2016 Transportation Advisory Board Meeting

**St Andrews Trail (LAP)** – A Title search is being done along the proposed trail route.

**Denning Drive** – The CRA agency/City Commission approved moving ahead with a final design of the multiuse path on the east side of Denning Drive. They are requesting detailed design, including trees and bus stops, with more specific cost estimates.

The grant application submitted to the Recreational Trails Program of the Florida Department of Environmental Protection in the amount of \$200,000 on April 29, 2016 is being evaluated.

**Active Arterial Management (AAM)** – This description is per Jim Stroz, P.E., TSM&O Engineer – Arterials, District 5, Florida Department of Transportation.

*District Five has recently executed a contract to assist local agencies with the management of key corridors in the Metro-Orlando region. The project, named Active Arterial Management, consists of two consultant teams that will monitor arterial roadways to promote better synchronized traffic signals, coordinate activities across jurisdictional boundaries, and develop timings for incident management activities. The project includes the monitoring of more than 250 signals in Orange and Seminole Counties.*

**Transit Signal Priority (TSP)** – Florida Department of Transportation has authorized a Transit Signal Priority system to be implemented in the Metro-Orlando region. This system permits authorized vehicles to capture unused green time at traffic signals along identified priority routes.

**BikeShare** – Peter Martinez and I had a conversation about bikeshare. He and I have committed to get bikeshare started at the Sunrail Station.

Issues remaining to be resolved for Bikeshare to proceed are the City off-site commercial sign code and the location of the bikeshare stations.

**Bicycle Wayfinding** – The Bicycle Wayfinding logistics plan was provided for all of you through Dropbox. A pilot project is in design for the Cady Way to Mead Botanical Gardens Trail.

Butch Margraf, Traffic Manager, Public Works Department, City of Winter Park Florida  
407-599-3411, [wmargraf@cityofwinterpark.org](mailto:wmargraf@cityofwinterpark.org)

Project Updates by Staff for August 9, 2016 Transportation Advisory Board Meeting

**St Andrews Trail (LAP)** – A Title search is being done along the proposed trail route.

**Denning Drive** – Design of the 10 feet wide multiuse path is moving ahead with a final design of the multiuse path on the east side of Denning Drive. Tree locations and bus stop operations are currently being focused on.

**Active Arterial Management (AAM)** – This description is per Jim Stroz, P.E., TSM&O Engineer – Arterials, District 5, Florida Department of Transportation.

*District Five has recently executed a contract to assist local agencies with the management of key corridors in the Metro-Orlando region. The project, named Active Arterial Management, consists of two consultant teams that will monitor arterial roadways to promote better synchronized traffic signals, coordinate activities across jurisdictional boundaries, and develop timings for incident management activities. The project includes the monitoring of more than 250 signals in Orange and Seminole Counties.*

**Transit Signal Priority (TSP)** – Florida Department of Transportation has authorized a Transit Signal Priority system to be implemented in the Metro-Orlando region. This system permits authorized vehicles to capture unused green time at traffic signals along identified priority routes. Orange Ave at Cypress Ave, at Denning Drive, and at the Capen Pedestrian crossing has been added to the TSP corridors.

**BikeShare** – A location for bikeshare has been approved by staff at the Sunrail Station.

Issues remaining to be resolved for Bikeshare to proceed are the City off-site commercial sign code, the location of the additional bikeshare stations, and funding.

A walk through meeting with Dave Rider of the YMCA to discuss bikeshare at the YMCA campus was conducted Wednesday August 3<sup>rd</sup>.

**Bicycle Wayfinding** - A pilot project is in design for the Cady Way to Mead Botanical Gardens Trail.

Butch Margraf, Traffic Manager, Public Works Department, City of Winter Park Florida  
407-599-3411, [wmargraf@cityofwinterpark.org](mailto:wmargraf@cityofwinterpark.org)

**City of Winter Park  
Transportation Element  
Data, Inventory and Analysis**

**Table 1: Number of Lanes, Functional Classification and Jurisdiction**  
See attached table

**Table 2: Roadway Level of Service Thresholds**

Speed Limit	Average Travel Speed for 0.5 to 2 miles			
	LOS C	LOS D	LOS E	LOS F
40 MPH or Higher	>23 MPH	>18 MPH	>15 MPH	≤15 MPH
35 MPH or Slower	>17 MPH	>13 MPH	>10 MPH	≤10 MPH

Source: *FDOT 2013 Q/LOS Handbook*

**Table 3: 2015 Roadway Level of Service**  
See attached table

**Table 4: Pedestrian Level of Service Thresholds**

Functional Classification	Sidewalk Coverage		
	LOS C	LOS D	LOS E
Principal and Minor Arterials	85% to 100%	50% to 84%	0% to 49%
Major and Minor Collectors	85% to 100%	50% to 84%	0% to 49%
Local Roadways	50% to 100%	0% to 49%	n/a

Source: *Adaptation of FDOT 2013 Q/LOS Handbook*

**Table 5: 2016 Pedestrian Level of Service**  
See attached table

**Table 6: Bicycle Level of Service Thresholds**

Functional Classification	Paved Shoulder/Bicycle Lane/Trail Coverage/Sharrow		
	LOS C	LOS D	LOS E
Principal and Minor Arterials	85% to 100%	50% to 84%	0% to 49%
Major and Minor Collectors	85% to 100%	50% to 84%	0% to 49%
Local Roadways	50% to 100%	0% to 49%	n/a

Source: *Adaptation of FDOT 2013 Q/LOS Handbook*

**Table 7: 2016 Bicycle Level of Service**  
See attached table

**Table 8: 2016 Bus Service**

Route	Weekday		Saturday		Sunday	
	Hours	Headway	Hours	Headway	Hours	Headway
1 – Winter Park/ Altamonte Springs	6:00 am – 9:30 pm	1 hr.	6:30 am – 9:30 pm	1 hr.	None	N/A
9 – Winter Park/ Rosemont	6:00 am – 12:00 am	1 hr.	6:00 am – 9:00 pm	1 hr.	6:00 am – 8:00 pm	45 min.
13 – University of Central Florida	6:00 am – 11:30 pm	1 hr.	6:00 am – 11:30 pm	1 hr.	6:30 am – 9:30 pm	1 hr.
23 – Winter Park/ Springs Village	5:30 am – 8:00 pm	1 hr.	5:30 am – 8:00 pm	1 hr.	None	N/a
102 – Orange Ave./S. US 17-92	5:00 am – 12:00 am	15 min.	5:00 am – 11:00 pm	15 min.	5:30 am – 10:30 pm	30 min.
313 – Winter Park	6:30 am – 8:00 pm	1 hr.	6:30 am – 8:00 pm	1 hr.	None	N/A
443 – Winter Park/ Pine Hills	6:00 am – 8:30 pm	1 hr.	6:00 am – 8:30 pm	1 hr.	6:30 am – 6:00 pm	1 hr.

**Table 9: Bus Level of Service Thresholds**

Sidewalk Coverage	Buses in Peak Hour in Peak Direction			
	LOS B	LOS C	LOS D	LOS E
0% to 84%	> 5	≥ 4	≥ 3	≥ 2
85% to 100%	> 4	≥ 3	≥ 2	≥ 1

Source: FDOT 2013 Q/LOS Handbook

**Table 10: 2016 Bus Level of Service**

See attached table

**Table 11: Population Trends and Projections**

Year	Winter Park		Orange County		Source
	Population	Growth Rate	Population	Growth Rate	
2030	n/a	n/a	1,679,700	1.7%	BEBR
2025	n/a	n/a	1,551,400	2.0%	BEBR
2020	n/a	n/a	1,407,600	2.5%	BEBR
2015	28,967	0.8%	1,252,396	1.9%	BEBR
2010	27,852	1.6%	1,145,956	2.8%	US Census
2000	24,090	0.8%	896,344	3.2%	US Census
1990	22,242	0.0%	677,491	4.4%	US Census
1980	22,339	0.2%	471,016	3.7%	US Census
1970	21,895	2.8%	344,341	3.1%	US Census



**Table 12: Historic Traffic Annual Growth Rates**  
See attached table

**Table 13: 2021 Roadway Level of Service**  
See attached table  
Based on 1% Annual Traffic Volume Growth

**Reference Material**

Table 7: Generalized Peak Hour Directional Volumes for Florida's Urbanized Areas  
Source: FDOT 2013 Q/LOS Handbook  
See attached table

DRAFT

Table 1: Number of Lanes, Functional Classification and Jurisdiction

Roadway	From	To	No. Lanes	Functional Classification	Jurisdiction
<b>State Roads</b>					
I-4	Lee Rd.	Maitland Blvd.	3+1 Aux	Principal Arterial-Interstate	State
I-4	Fairbanks Ave.	Lee Rd.	3+1 Aux	Principal Arterial-Interstate	State
I-4	Par St.	Fairbanks Ave.	4	Principal Arterial-Interstate	State
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	3	Principal Arterial-Other	State
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	2	Principal Arterial-Other	State
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	2	Principal Arterial-Other	State
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	2	Principal Arterial-Other	State
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	2	Principal Arterial-Other	State
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	2	Principal Arterial-Other	State
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	2	Principal Arterial-Other	State
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	2	Principal Arterial-Other	State
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	2	Principal Arterial-Other	State
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	2	Principal Arterial-Other	State
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	2	Principal Arterial-Other	State
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	2	Principal Arterial-Other	State
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	2	Principal Arterial-Other	State
Aloma (SR 426)	Lakemont Ave.	SR 436	2	Principal Arterial-Other	State
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	2	Principal Arterial-Other	State
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	2	Principal Arterial-Other	State
<b>Non-State Roads</b>					
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	1	City Collector*	City
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	1	Major Collector	County
Dennings Dr.	Minnesota Ave.	Park Ave.	2	Major Collector	City
Greene Dr.	Whitehall Cir.	Brookshire Ave.	1	Minor Collector	City
Glenridge Way	Winter Park Rd.	General Reese Ave.	1	Local	City
Glenridge Way	General Reese Ave.	Lakemont Ave.	1	Major Collector	City
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	2	Major Collector	County
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	1	Minor Collector	City
Lakemont Ave.	SR 426	Lake Howell Rd.	2	Major Collector	City
Lakemont Ave.	Goodrich Ave.	SR 426	2	Major Collector	City
Lakemont Ave.	Glenridge Way	Goodrich Ave.	1	Major Collector	City
Lakemont Avenue	Common Way Rd.	Glenridge Way	1	Major Collector	City
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	1	Minor Collector	City
Minnesota Ave	Clay St.	Pennsylvania Ave.	1	Major Collector	City
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	2	Minor Collector	City
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	1	City Collector*	City
Palmer Ave.	Park Ave.	Lakemont Ave.	1	Major Collector	City
Park Avenue	US 17-92	Palmer Ave.	1	Minor Arterial	City
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	1	Minor Arterial	City
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	1	City Collector*	City
Phelps Avenue	Lochberry Rd.	Palmer Ave.	1	Minor Collector	City
Temple Drive	Palmer Ave.	Horatio Ave.	1	Minor Collector	City
Temple Trail	Horatio Ave.	City Limits	1	Minor Collector	City
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	1	Minor Collector	City
Whitehall Drive	Lakemont Ave.	Greene Dr.	1	Minor Collector	City
Winter Park Road	Corrine Dr.	Lake Sue Ave.	1	Minor Collector	City
Wymore Road	Fairbanks Ave.	Lee Rd.	1	Minor Collector	City

Note: \* = City Collector is not recognized by FDOT or FHWA.

Table 3: 2015 Roadway Level of Service

Roadway	From	To	No. Lanes	AADT	PHPD	Road LOS
<b>State Roads</b>						
I-4	Lee Rd.	Maitland Blvd.	3+1 Aux	185,000	6,736	E
I-4	Fairbanks Ave.	Lee Rd.	3+1 Aux	169,500	6,171	D
I-4	Par St.	Fairbanks Ave.	4	161,000	5,862	C
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	3	38,500	1,661	C
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	2	29,000	1,251	D
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	2	26,000	1,122	D
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	2	26,000	1,122	D
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	2	36,000	1,622	C
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	2	39,500	1,554	D
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	2	32,500	1,278	D
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	2	33,000	1,221	D
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	2	24,500	907	D
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	2	38,500	1,425	D
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	2	33,500	1,240	D
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	2	33,500	1,240	E
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	2	37,000	1,432	D
Aloma (SR 426)	Lakemont Ave.	SR 436	2	45,500	1,891	F
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	2	14,600	605	C
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	2	14,900	617	C
<b>Non-State Roads</b>						
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	1	2,900	123	C
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	1	6,900	294	C
Dennings Dr.	Minnesota Ave.	Park Ave.	2	4,400	187	C
Greene Dr.	Whitehall Cir.	Brookshire Ave.	1	2,300	98	C
Glenridge Way	Winter Park Rd.	General Reese Ave.	1	7,001	298	D
Glenridge Way	General Reese Ave.	Lakemont Ave.	1	19,000	809	F
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	2	29,500	1,256	C
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	1	6,900	294	D
Lakemont Ave.	SR 426	Lake Howell Rd.	2	18,735	797	D
Lakemont Ave.	Goodrich Ave.	SR 426	2	19,040	810	D
Lakemont Ave.	Glenridge Way	Goodrich Ave.	1	19,040	810	E
Lakemont Avenue	Common Way Rd.	Glenridge Way	1	4,300	183	C
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	1	850	36	C
Minnesota Ave	Clay St.	Pennsylvania Ave.	1	3,400	145	C
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	2	7,200	306	C
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	1	7,500	319	D
Palmer Ave.	Park Ave.	Lakemont Ave.	1	13,929	593	D*
Park Avenue	US 17-92	Palmer Ave.	1	6,575	280	D
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	1	7,600	323	D
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	1	3,600	153	C
Phelps Avenue	Lochberry Rd.	Palmer Ave.	1	1,500	64	C
Temple Drive	Palmer Ave.	Horatio Ave.	1	4,600	196	C
Temple Trail	Horatio Ave.	City Limits	1	4,600	196	C
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	1	10,100	430	D
Whitehall Drive	Lakemont Ave.	Greene Dr.	1	4,400	187	C
Winter Park Road	Corrine Dr.	Lake Sue Ave.	1	7,400	315	C
Wymore Road	Fairbanks Ave.	Lee Rd.	1	6,100	260	C

Note: \* = LOS based on traffic speed.



Table 5: 2016 Pedestrian Level of Service

Roadway	From	To	Ped LOS
<b>State Roads</b>			
I-4	Lee Rd.	Maitland Blvd.	n/a
I-4	Fairbanks Ave.	Lee Rd.	n/a
I-4	Par St.	Fairbanks Ave.	n/a
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	C
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	C
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	C
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	C
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	C
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	C
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	C
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	C
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	C
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	C
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	C
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	C
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	C
Aloma (SR 426)	Lakemont Ave.	SR 436	C
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	C
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	C
<b>Non-State Roads</b>			
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	C
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	C
Dennings Dr.	Minnesota Ave.	Park Ave.	C
Greene Dr.	Whitehall Cir.	Brookshire Ave.	C
Glenridge Way	Winter Park Rd.	General Reese Ave.	C
Glenridge Way	General Reese Ave.	Lakemont Ave.	C
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	C
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	C
Lakemont Ave.	SR 426	Lake Howell Rd.	C
Lakemont Ave.	Goodrich Ave.	SR 426	C
Lakemont Ave.	Glenridge Way	Goodrich Ave.	C
Lakemont Avenue	Common Way Rd.	Glenridge Way	C
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	D
Minnesota Ave	Clay St.	Pennsylvania Ave.	D
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	C
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	C
Palmer Ave.	Park Ave.	Lakemont Ave.	C
Park Avenue	US 17-92	Palmer Ave.	D
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	C
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	C
Phelps Avenue	Lochberry Rd.	Palmer Ave.	D
Temple Drive	Palmer Ave.	Horatio Ave.	D
Temple Trail	Horatio Ave.	City Limits	D
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	D
Whitehall Drive	Lakemont Ave.	Greene Dr.	C
Winter Park Road	Corrine Dr.	Lake Sue Ave.	C
Wymore Road	Fairbanks Ave.	Lee Rd.	D



Table 7: 2016 Bicycle Level of Service

Roadway	From	To	Bike LOS
<b>State Roads</b>			
I-4	Lee Rd.	Maitland Blvd.	n/a
I-4	Fairbanks Ave.	Lee Rd.	n/a
I-4	Par St.	Fairbanks Ave.	n/a
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	E
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	D
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	C
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	C
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	E
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	C
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	C
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	E
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	E
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	E
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	E
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	E
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	E
Aloma (SR 426)	Lakemont Ave.	SR 436	E
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	E
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	E
<b>Non-State Roads</b>			
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	E
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	E
Dennings Dr.	Minnesota Ave.	Park Ave.	E
Greene Dr.	Whitehall Cir.	Brookshire Ave.	E
Glenridge Way	Winter Park Rd.	General Reese Ave.	D
Glenridge Way	General Reese Ave.	Lakemont Ave.	C
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	E
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	E
Lakemont Ave.	SR 426	Lake Howell Rd.	E
Lakemont Ave.	Goodrich Ave.	SR 426	E
Lakemont Ave.	Glenridge Way	Goodrich Ave.	D
Lakemont Avenue	Common Way Rd.	Glenridge Way	E
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	E
Minnesota Ave	Clay St.	Pennsylvania Ave.	E
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	E
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	E
Palmer Ave.	Park Ave.	Lakemont Ave.	C
Park Avenue	US 17-92	Palmer Ave.	E
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	E
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	E
Phelps Avenue	Lochberry Rd.	Palmer Ave.	E
Temple Drive	Palmer Ave.	Horatio Ave.	E
Temple Trail	Horatio Ave.	City Limits	E
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	E
Whitehall Drive	Lakemont Ave.	Greene Dr.	E
Winter Park Road	Corrine Dr.	Lake Sue Ave.	E
Wymore Road	Fairbanks Ave.	Lee Rd.	E

Table 10: 2016 Bus Level of Service

Roadway	From	To	Bus LOS
<b>State Roads</b>			
I-4	Lee Rd.	Maitland Blvd.	n/a
I-4	Fairbanks Ave.	Lee Rd.	n/a
I-4	Par St.	Fairbanks Ave.	n/a
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	B
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	n/a
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	n/a
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	n/a
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	E
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	D
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	D
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	n/a
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	n/a
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	B*
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	E
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	E
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	E
Aloma (SR 426)	Lakemont Ave.	SR 436	E
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	B
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	B
<b>Non-State Roads</b>			
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	n/a
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	D*
Dennings Dr.	Minnesota Ave.	Park Ave.	D/B*
Greene Dr.	Whitehall Cir.	Brookshire Ave.	n/a
Glenridge Way	Winter Park Rd.	General Reese Ave.	n/a
Glenridge Way	General Reese Ave.	Lakemont Ave.	D
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	n/a
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	n/a
Lakemont Ave.	SR 426	Lake Howell Rd.	n/a
Lakemont Ave.	Goodrich Ave.	SR 426	D
Lakemont Ave.	Glenridge Way	Goodrich Ave.	D
Lakemont Avenue	Common Way Rd.	Glenridge Way	n/a
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	n/a
Minnesota Ave	Clay St.	Pennsylvania Ave.	n/a
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	B*
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	B*
Palmer Ave.	Park Ave.	Lakemont Ave.	n/a
Park Avenue	US 17-92	Palmer Ave.	n/a
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	n/a
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	n/a
Phelps Avenue	Lochberry Rd.	Palmer Ave.	n/a
Temple Drive	Palmer Ave.	Horatio Ave.	n/a
Temple Trail	Horatio Ave.	City Limits	n/a
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	n/a
Whitehall Drive	Lakemont Ave.	Greene Dr.	n/a
Winter Park Road	Corrine Dr.	Lake Sue Ave.	n/a
Wymore Road	Fairbanks Ave.	Lee Rd.	n/a

Note: \* = LOS is for portion of segment with bus service

Table 12: Historic Traffic Annual Growth Rates

Roadway	From	To	FDOT Rate	County Rate
<b>State Roads</b>				
I-4	Lee Rd.	Maitland Blvd.	-0.02%	--
I-4	Fairbanks Ave.	Lee Rd.	-1.11%	--
I-4	Par St.	Fairbanks Ave.	-0.83%	--
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	-2.14%	--
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	-2.43%	--
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	-1.04%	--
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	-1.20%	--
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	-1.34%	--
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	-0.18%	--
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	-0.06%	--
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	-0.52%	--
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	0.00%	--
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	n/a	-0.40%
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	-1.01%	--
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	-0.22%	--
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	-0.81%	--
Aloma (SR 426)	Lakemont Ave.	SR 436	-0.71%	--
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	-0.13%	--
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	1.39%	--
<b>Non-State Roads</b>				
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	n/a	--
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	n/a	--
Dennings Dr.	Minnesota Ave.	Park Ave.	0.00%	--
Greene Dr.	Whitehall Cir.	Brookshire Ave.	-8.00%	--
Glenridge Way	Winter Park Rd.	General Reese Ave.	n/a	-1.11%
Glenridge Way	General Reese Ave.	Lakemont Ave.	0.53%	--
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	-0.72%	--
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	3.79%	--
Lakemont Ave.	SR 426	Lake Howell Rd.	n/a	-1.22%
Lakemont Ave.	Goodrich Ave.	SR 426	n/a	-0.46%
Lakemont Ave.	Glenridge Way	Goodrich Ave.	n/a	-0.46%
Lakemont Avenue	Common Way Rd.	Glenridge Way	1.09%	--
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	0.00%	--
Minnesota Ave	Clay St.	Pennsylvania Ave.	0.59%	--
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	0.56%	--
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	n/a	--
Palmer Ave.	Park Ave.	Lakemont Ave.	n/a	0.81%
Park Avenue	US 17-92	Palmer Ave.	n/a	-0.63%
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	1.05%	1.03%
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	n/a	--
Phelps Avenue	Lochberry Rd.	Palmer Ave.	0.00%	--
Temple Drive	Palmer Ave.	Horatio Ave.	1.01%	-1.17%
Temple Trail	Horatio Ave.	City Limits	1.01%	--
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	1.00%	--
Whitehall Drive	Lakemont Ave.	Greene Dr.	1.06%	--
Winter Park Road	Corrine Dr.	Lake Sue Ave.	1.08%	-1.27%
Wymore Road	Fairbanks Ave.	Lee Rd.	0.77%	-1.78%



Table 13: 2021 Roadway Level of Service

Roadway	From	To	No. Lanes	AADT	PHPD	Road LOS
<b>State Roads</b>						
I-4	Lee Rd.	Maitland Blvd.	4+2	196,100	7,140	C
I-4	Fairbanks Ave.	Lee Rd.	4+2	179,700	6,543	C
I-4	Par St.	Fairbanks Ave.	4+2	170,700	6,215	C
US 17/92/Orlando Ave.	SR-423/Lee Rd.	Park Ave.	3	40,800	1,760	C
US 17/92/Orlando Ave.	SR-426/Fairbanks Ave.	SR-423/Lee Rd.	2	30,700	1,325	D
US 17/92/Orlando Ave.	SR-527/Orange Ave.	SR-426/Fairbanks Ave.	2	27,600	1,191	D
US 17/92/Orlando Ave.	Princeton St.	SR-527/Orange Ave.	2	27,600	1,191	D
Lee Rd. (SR 423)	I-4	US 17-92/Orlando Ave.	2	38,200	1,721	C
Fairbanks Ave. (SR 426)	I-4	Formosa Ave.	2	41,900	1,648	E
Fairbanks Ave. (SR 426)	Formosa Ave.	US 17-92/Orlando Ave.	2	34,500	1,357	D
Fairbanks Ave. (SR 426)	US 17-92/Orlando Ave.	Denning Dr.	2	35,000	1,295	D
Fairbanks Ave. (SR 426)	Denning Dr.	SR-527/Orange Ave.	2	26,000	962	D
Fairbanks Ave. (SR 426)	SR-527/Orange Ave.	Park Ave.	2	40,800	1,510	D
Fairbanks Ave. (SR 426)	Park Ave.	Lyman Ave.	2	35,500	1,314	D
Aloma (SR 426)	Lyman Ave.	Phelps Ave.	2	35,500	1,314	F
Aloma (SR 426)	Phelps Ave.	Lakemont Ave.	2	39,200	1,517	D
Aloma (SR 426)	Lakemont Ave.	SR 436	2	48,200	2,003	F
Orange Ave. (SR 527)	Clay Ave.	US 17-92/Orlando Ave.	2	15,500	642	C
Orange Ave. (SR 527)	US 17-92/Orlando Ave.	SR-426/Fairbanks Ave.	2	15,800	655	C
<b>Non-State Roads</b>						
Canton Ave.	US 17-92/Orlando Ave.	Park Ave.	1	3,100	132	C
Clay Street	SR 527/Orange Ave.	Fairbanks Ave.	1	7,300	311	C
Dennings Dr.	Minnesota Ave.	Park Ave.	1	4,700	200	C
Greene Dr.	Whitehall Cir.	Brookshire Ave.	1	2,400	102	C
Glenridge Way	Winter Park Rd.	General Reese Ave.	1	7,400	315	D
Glenridge Way	General Reese Ave.	Lakemont Ave.	1	20,100	855	F
Howell Branch Rd.	Maitland City Line	Seminole Co. Line	2	31,300	1,332	C
Lake Sue Avenue/Penn Avenue	Winter Park Rd.	Orange Ave.	1	7,300	311	D
Lakemont Ave.	SR 426	Lake Howell Rd.	2	19,900	847	D
Lakemont Ave.	Goodrich Ave.	SR 426	2	20,200	860	D
Lakemont Ave.	Glenridge Way	Goodrich Ave.	1	20,200	860	F
Lakemont Avenue	Common Way Rd.	Glenridge Way	1	4,600	196	C
Lochberry/Brookshire	Phelps Ave.	Greene Dr.	1	900	38	C
Minnesota Ave	Clay St.	Pennsylvania Ave.	1	3,600	153	C
Morse Blvd	US 17-92/Orlando Ave.	Park Ave.	2	7,600	323	C
New York Ave.	SR 426/Fairbanks Ave.	Park Ave.	1	8,000	340	D
Palmer Ave.	Park Ave.	Lakemont Ave.	1	14,800	630	D*
Park Avenue	US 17-92	Palmer Ave.	1	7,000	298	C
Park Avenue	SR 426/Fairbanks Ave.	Palmer Ave.	1	8,100	345	D
Pennsylvania Ave.	SR 426/Fairbanks Ave.	Park Ave.	1	3,800	162	C
Phelps Avenue	Lochberry Rd.	Palmer Ave.	1	1,600	68	C
Temple Drive	Palmer Ave.	Horatio Ave.	1	4,900	209	C
Temple Trail	Horatio Ave.	City Limits	1	4,900	209	C
Webster Avenue	US 17-92/Orlando Ave.	Park Ave.	1	10,700	455	D
Whitehall Drive	Lakemont Ave.	Greene Dr.	1	4,700	200	C
Winter Park Road	Corrine Dr.	Lake Sue Ave.	1	7,800	332	C
Wymore Road	Fairbanks Ave.	Lee Rd.	1	6,500	277	C

Note: \* = LOS based on traffic speed.



**TABLE 7**

**Generalized Peak Hour Directional Volumes for Florida's Urbanized Areas<sup>1</sup>**

12/18/12

INTERRUPTED FLOW FACILITIES						UNINTERRUPTED FLOW FACILITIES						
<b>STATE SIGNALIZED ARTERIALS</b>						<b>FREEWAYS</b>						
<b>Class I (40 mph or higher posted speed limit)</b>						Lanes	B	C	D	E		
Lanes	Median	B	C	D	E	2	2,260	3,020	3,660	3,940		
1	Undivided	*	830	880	**	3	3,360	4,580	5,500	6,080		
2	Divided	*	1,910	2,000	**	4	4,500	6,080	7,320	8,220		
3	Divided	*	2,940	3,020	**	5	5,660	7,680	9,220	10,360		
4	Divided	*	3,970	4,040	**	6	7,900	10,320	12,060	12,500		
<b>Class II (35 mph or slower posted speed limit)</b>						<b>Freeway Adjustments</b>						
Lanes	Median	B	C	D	E	Auxiliary Lane			Ramp Metering			
1	Undivided	*	370	750	800	+ 1.000			+ 5%			
2	Divided	*	730	1,630	1,700							
3	Divided	*	1,170	2,520	2,560							
4	Divided	*	1,610	3,390	3,420							
<b>Non-State Signalized Roadway Adjustments</b> (Alter corresponding state volumes by the indicated percent )												
Non-State Signalized Roadways - 10%												
<b>Median &amp; Turn Lane Adjustments</b>												
Lanes	Median	Exclusive Left Lanes	Exclusive Right Lanes	Adjustment Factors								
1	Divided	Yes	No	+5%								
1	Undivided	No	No	-20%								
Multi	Undivided	Yes	No	-5%								
Multi	Undivided	No	No	-25%								
-	-	-	Yes	+ 5%								
<b>One-Way Facility Adjustment</b> Multiply the corresponding directional volumes in this table by 1.2												
<b>BICYCLE MODE<sup>2</sup></b> (Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine two-way maximum service volumes.)												
<b>Paved Shoulder/Bicycle Lane Coverage</b>						B	C	D	E			
0-49%						*	150	390	1,000			
50-84%						110	340	1,000	>1,000			
85-100%						470	1,000	>1,000	**			
<b>PEDESTRIAN MODE<sup>2</sup></b> (Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine two-way maximum service volumes.)												
<b>Sidewalk Coverage</b>						B	C	D	E			
0-49%						*	*	140	480			
50-84%						*	80	440	800			
85-100%						200	540	880	>1,000			
<b>BUS MODE (Scheduled Fixed Route)<sup>3</sup></b> (Buses in peak hour in peak direction)												
<b>Sidewalk Coverage</b>						B	C	D	E			
0-84%						> 5	≥ 4	≥ 3	≥ 2			
85-100%						> 4	≥ 3	≥ 2	≥ 1			
						<b>UNINTERRUPTED FLOW HIGHWAYS</b>						
Lanes	Median	B	C	D	E							
1	Undivided	420	840	1,190	1,640							
2	Divided	1,810	2,560	3,240	3,590							
3	Divided	2,720	3,840	4,860	5,380							
<b>Uninterrupted Flow Highway Adjustments</b>												
Lanes	Median	Exclusive left lanes		Adjustment factors								
1	Divided	Yes		+5%								
Multi	Undivided	Yes		-5%								
Multi	Undivided	No		-25%								
<sup>1</sup> Values shown are presented as peak hour directional volumes for levels of service and are for the automobile/truck modes unless specifically stated. This table does not constitute a standard and should be used only for general planning applications. The computer models from which this table is derived should be used for more specific planning applications. The table and deriving computer models should not be used for corridor or intersection design, where more refined techniques exist. Calculations are based on planning applications of the Highway Capacity Manual and the Transit Capacity and Quality of Service Manual.												
<sup>2</sup> Level of service for the bicycle and pedestrian modes in this table is based on number of motorized vehicles, not number of bicyclists or pedestrians using the facility.												
<sup>3</sup> Buses per hour shown are only for the peak hour in the single direction of the higher traffic flow.												
* Cannot be achieved using table input value defaults												
** Not applicable for that level of service letter grade. For the automobile mode, volumes greater than level of service D become F because intersection capacities have been reached. For the bicycle mode, the level of service letter grade (including F) is not achievable because there is no maximum vehicle volume threshold using table input value defaults.												
Source: Florida Department of Transportation Systems Planning Office <a href="http://www.dot.state.fl.us/planning/systems/sm/ks/default.shtm">www.dot.state.fl.us/planning/systems/sm/ks/default.shtm</a>												

TABLE 7  
(continued)

Generalized Peak Hour Directional Volumes for Florida's  
Urbanized Areas

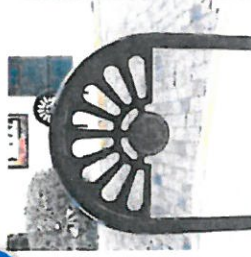
12/18/12

INPUT VALUE ASSUMPTIONS	Uninterrupted Flow Facilities			Interrupted Flow Facilities					
	Freeways	Highways		State Arterials				Class I	
		Class I	Class II	Bicycle	Pedestrian				
<b>ROADWAY CHARACTERISTICS</b>									
Area type (lu, u)	lu	u	u	u	u	u	u	u	u
Number of through lanes (both dir.)	4-12	2	4-6	2	4-8	2	4-8	4	4
Posted speed (mph)	70	50	50	45	50	30	30	45	45
Free flow speed (mph)	75	55	55	50	55	35	35	50	50
Auxiliary lanes (n,y)	n								
Median (n, nr, r)		n	r	n	r	n	r	r	r
Terrain (l,r)	l	l	l	l	l	l	l	l	l
% no passing zone		80							
Exclusive left turn lane impact (n, y)		[n]	y	y	y	y	y	y	y
Exclusive right turn lanes (n, y)				n	n	n	n	n	n
Facility length (mi)	4	5	5	2	2	1.9	1.8	2	2
Number of basic segments	4								
<b>TRAFFIC CHARACTERISTICS</b>									
Planning analysis hour factor (K)	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Directional distribution factor (D)	0.547	0.550	0.550	0.550	0.560	0.565	0.560	0.565	0.565
Peak hour factor (PHF)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Base saturation flow rate (pcphpl)		1,700	2,100	1,950	1,950	1,950	1,950	1,950	1,950
Heavy vehicle percent	4.0	2.0	2.0	1.0	1.0	1.0	1.0	2.5	2.0
Local adjustment factor	0.91	0.97	0.98						
% left turns				12	12	12	12	12	12
% right turns				12	12	12	12	12	12
<b>CONTROL CHARACTERISTICS</b>									
Number of signals				4	4	10	10	4	6
Arrival type (1-6)				3	3	4	4	4	4
Signal type (a, c, p)				c	c	c	c	c	c
Cycle length (C)				120	150	120	120	120	120
Effective green ratio (g/C)				0.44	0.45	0.44	0.44	0.44	0.44
<b>MULTIMODAL CHARACTERISTICS</b>									
Paved shoulder/bicycle lane (n, y)								n, 50%, y	n
Outside lane width (n, t, w)								t	t
Pavement condition (d, t, w)								t	
On-street parking (n, y)								n	n
Sidewalk (n, y)									n, 50%, y
Sidewalk/roadway separation (a, t, w)									t
Sidewalk protective barrier (n, y)									n
<b>LEVEL OF SERVICE THRESHOLDS</b>									
Level of Service	Freeways	Highways		Arterials		Bicycle	Ped	Bus	
	Density	Two-Lane	Multilane	Class I	Class II	Score	Score	Buses/hr	
		%ffs	Density						ats
B	≤ 17	> 83.3	≤ 17	> 31 mph	> 22 mph	≤ 2.75	≤ 2.75	≤ 6	
C	≤ 24	> 75.0	≤ 24	> 23 mph	> 17 mph	≤ 3.50	≤ 3.50	≤ 4	
D	≤ 31	> 66.7	≤ 31	> 18 mph	> 13 mph	≤ 4.25	≤ 4.25	< 3	
E	≤ 39	> 58.3	≤ 35	> 15 mph	> 10 mph	≤ 5.00	≤ 5.00	< 2	

% ffs = Percent free flow speed    ats = Average travel speed



# Transportation advisory board

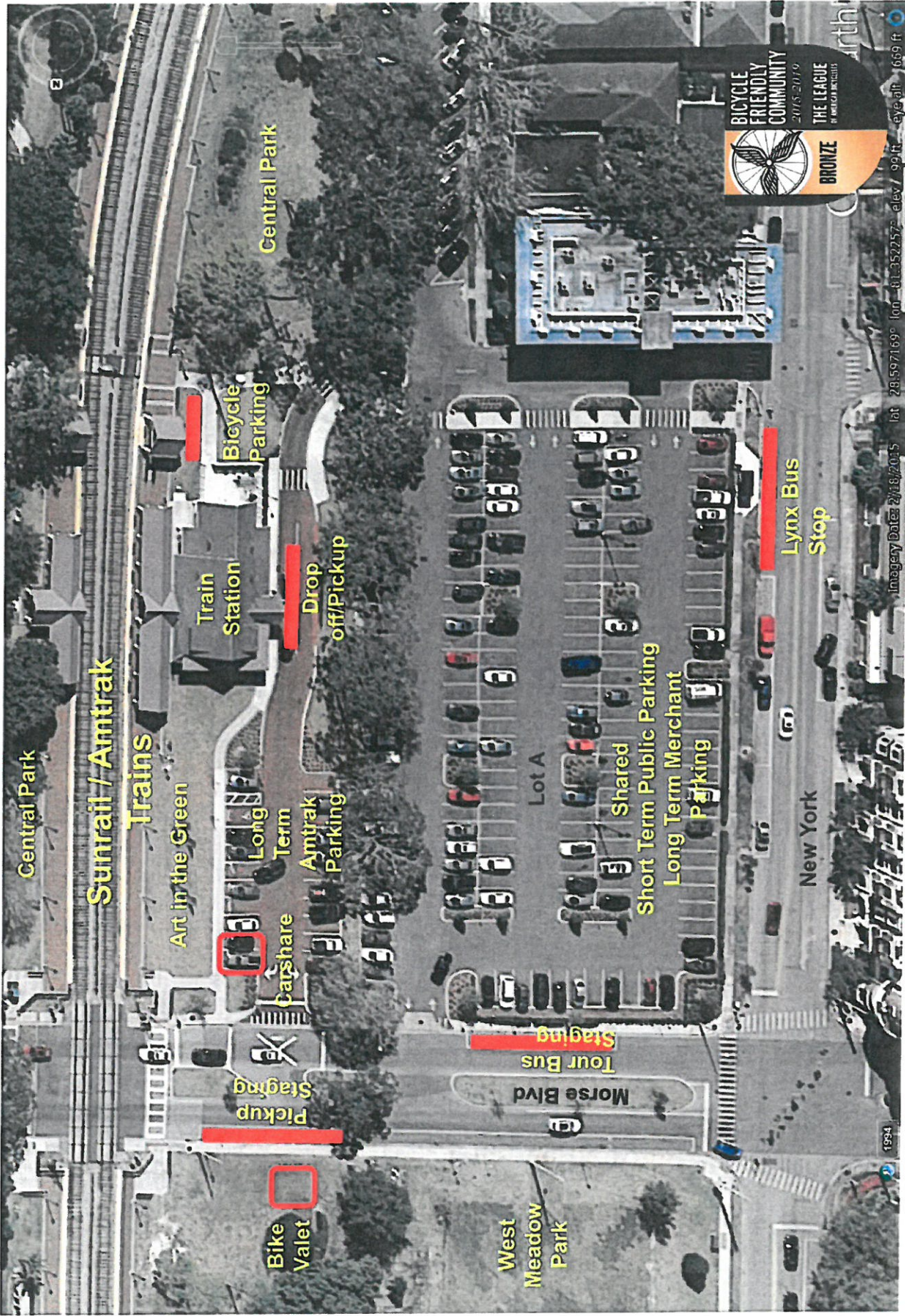


# BIKESHARE

Winter Park







# Winter Park Transportation Hub

1994

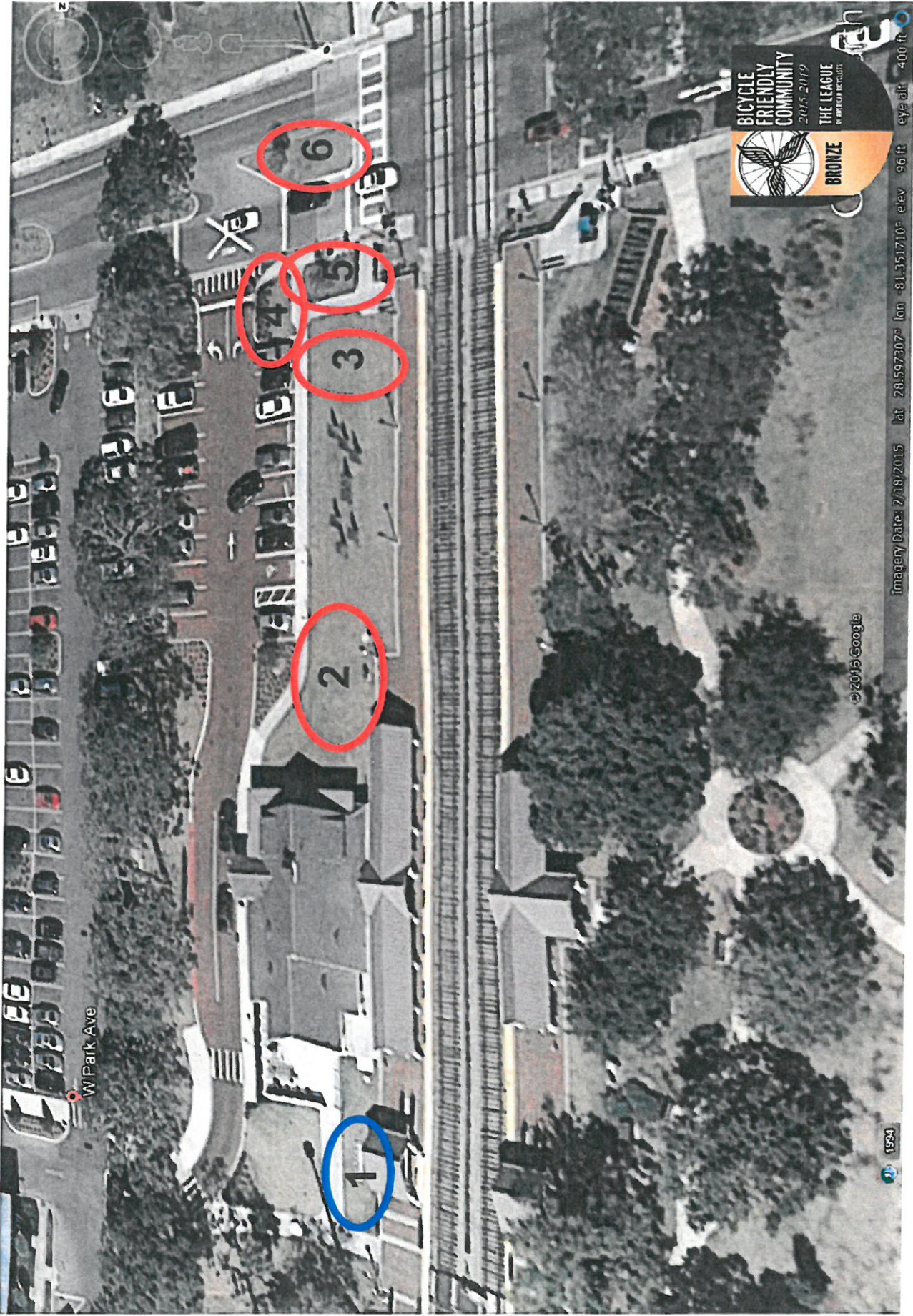
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eye alt: 659 ft







Winter Park Sunrail



**BICYCLE FRIENDLY COMMUNITY**  
2015-2019  
**THE LEAGUE**  
OF AMERICAN BICYCLISTS



**BRONZE**

Better hea!t!  
That's how we roll



...the health benefits of bicycling are well-documented. Bicycling is a low-impact, calorie-burning activity that can help you lose weight, lower your blood pressure, and improve your mood. It's also a great way to get some exercise while you're out and about. So why not give it a try? You'll be glad you did.



DO NOT ENTER







Exit Street View



98 W Lynsin Ave

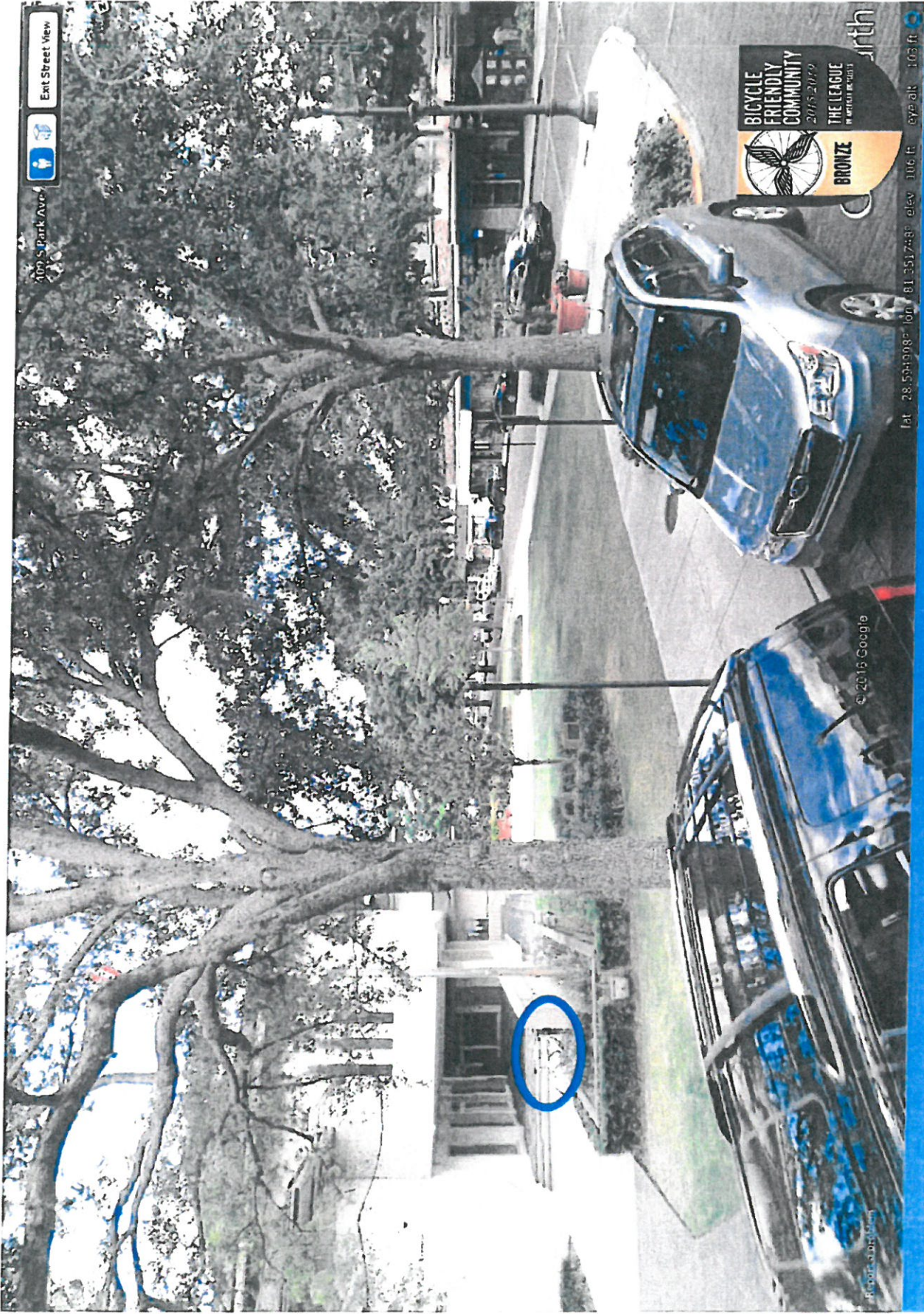


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lat: 28.5040226 lon: -81.3500233 elev: 94ft eye alt: 102ft

# Winter Park City Hall





309 S Park Ave



Exit Street View



lat: 28.5949987 lon: -81.3517480 elev: 106 ft eye alt: 103 ft

## Winter Park City Hall



## VISION and MISSION STATEMENTS

**Vision Statement: (Desired End-State)** A one-sentence statement describing the clear and inspirational long-term desired change resulting from an organization or program's work.

**Mission Statement: (What You Do)** A one-sentence statement describing the reason an organization or program exists and used to help guide decisions about priorities, actions, and responsibilities.



## VISION THEMES

1. Cherish and sustain Winter Park's extraordinary quality of life.
2. Plan our growth through a collaborative process that protects our city's timeless scale and character.

Enhance walking, biking, and recreational activities through a connected and integrated network of open space.

Invest in **innovative** infrastructure to ensure that our means to get around is **safe** and efficient, through prioritization of pedestrians, bicyclists, and transit users.

3. Enhance the Winter Park brand through a flourishing community of arts and culture.
4. Build and embrace our local institutions for lifelong learning and future generations.



## **MISSION STATEMENT**

**(What You Do):**

Example:

The Comprehensive Plan Transportation Task Force outlined their specific mission of the Transportation Element as:

*“Winter Park will continue to be a walkable, pedestrian and bicycle-friendly, sustainable, treed, relaxed, beautiful, safe, urban village that promotes neighborliness and courtesy among its citizens and visitors.”*

**Winter Park Transportation Task Force**



# MISSION STATEMENT

(What You Do):

Draft:

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Winter Park Transportation Advisory Board

