

# North Central Florida Regional Planning Council

2009 N.W. 67 PLACE, SUITE A, GAINESVILLE, FLORIDA 32653-1603  
(352) 955-2200      SUNCOM 625-2200      FAX (352) 955-2209

October 21, 2009



TO:            Technical Advisory Committee (TAC) Subcommittee

FROM:        Marlie Sanderson, Director of Transportation Planning

SUBJECT:    Meeting Announcement and Agenda

On Wednesday, October 28<sup>th</sup>, the TAC Subcommittee will meet at **1:00 p.m.** in the general purpose meeting room in the Gainesville Regional Utilities Administration Building at 301 SE 4<sup>th</sup> Avenue, Gainesville Florida.

## STAFF RECOMMENDATION

**1:00 p.m.    I.    Introductions (if needed)\***

**Page #1    II.    Approval of the Meeting Agenda**

**APPROVE AGENDA**

**Page #3    III.    Upcoming Meetings**

**FOR INFORMATION ONLY**

- A. Next MTPO meeting- November 9<sup>th</sup> at 3:00 p.m. (if needed)
- B. Next set of Committee Meetings- December 2<sup>nd</sup> (if needed)

**Page #5    IV.    Year 2035 Long Range Transportation Plan  
(LRTP) Model Validation**

**REVIEW AND DISCUSS**

The MTPO consultant will present and discuss the LRTP model validation

If you have any questions regarding the agenda items or enclosed materials, please contact Marlie Sanderson at 955-2200, extension 103.

\*No handout included with the enclosed agenda material.



## SCHEDULED 2009 MTPO AND COMMITTEE MEETING DATES AND TIMES

PLEASE NOTE: All of the dates and times shown in this table are subject to being changed during the year

MTPO MEETING MONTH	DESIGN TEAM [At 1:30 p.m.]	B/PAB [At 7:00 p.m.]	TAC [At 2:00 p.m.] CAC [At 7:00 p.m.]	MTPO MEETING
JANUARY	-	January 6	<i>CANCELLED</i>	<i>CANCELLED</i>
FEBRUARY	January 20	January 20	<i>CANCELLED</i>	February 17 at 6:00 p.m.
MARCH	<i>CANCELLED</i>	February 24	February 25	March 2 at 2:00 p.m.
APRIL	<i>CANCELLED</i>	March 31	CAC Orientation @ 6:30 pm April 1	April 20 at 6:00 p.m.
MAY	<i>CANCELLED</i>	April 28	TAC Only April 29	<i>CANCELLED</i>
JUNE	May 19	May 26	TAC @ NCFRPC May 27	June 8 at 6:00 p.m.
JULY	<i>CANCELLED</i>	June 30	CAC Only July 1	<i>CANCELLED</i>
AUGUST	<i>CANCELLED</i>	July 28	TAC @ NCFRPC July 29	August 10 at 3:00 p.m.
SEPTEMBER	<i>CANCELLED</i>	<i>CANCELLED</i>	<i>CANCELLED</i>	<i>CANCELLED</i>
OCTOBER	September 15	September 29	TAC Subcommittee Only September 30	<i>CANCELLED</i>
NOVEMBER	<i>CANCELLED</i>	October 27	TAC Subcommittee Only October 28	November 9 at 3:00 p.m.
DECEMBER	November 17	December 1	December 2	December 14 at 6:00 p.m.

Note, unless otherwise scheduled:

1. Shaded boxes indicate the months that we may be able to cancel MTPO meetings if agenda items do not require a meeting. Corresponding Advisory Committee meeting may also be cancelled;
2. Design Team meetings are conducted at the NCFRPC Charles F. Justice conference room;
3. TAC meetings are conducted at the Gainesville Regional Utilities (GRU) Administration general purpose meeting room;
4. CAC meetings are conducted in the Grace Knight conference room of the County Administration Building; and
5. MTPO meetings are conducted at the Jack Durrance Auditorium of the County Administration Building unless noted.



**Marlie Sanderson**

**From:** Robert Schiffer [rschiffer@camsys.com]  
**Sent:** Thursday, October 15, 2009 4:13 PM  
**To:** Marlie Sanderson; Mike Escalante; ldixon@UFL.EDU; wblanton@ciesthatwork.com; nlepp@ciesthatwork.com; Robert Schiffer; Taka Emori; rtillery@ciesthatwork.com  
**Subject:** Notes from Today's Gainesville 2035 LRTP Teleconference on UF Trips

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**Gainesville 2035 LRTP Teleconference on Modeling of UF Trips: (10/15/09)**

1. UF employment – UF would like no. of parking spaces to serve as a cap on auto trips
2. UF provided employment by TAZ to MTPO based on building location (UF Zdata)
3. UF ultimately interested in trip chaining patterns so keep this employment allocation
4. May 2009 version of zone data – would like to see cross reference to old zone numbers
5. CS will provide the TAZ equivalency table as soon as it's complete (underway now)
6. UF population shouldn't exist in on-campus zones... duplicative of dorms (check this)
7. UF off-campus students prepared based on recent data on where students reside
8. 16,000 parking spaces (employees and students) and 23,000 employees
9. 25-30 percent of students arrived by transit according to a prior survey
10. Linda has mode splits from 2004 on-line survey that she can send to us
11. UF wants to feel comfortable with assumptions on mode splits for trips to campus
12. CS could add some aggregated output trip table summaries for the UF zones by mode
13. Linda will also split out parking spaces by student and employee for use in the model
14. RPG should be able to get us the new UF survey data over the next week or so
15. MTPO has some supplemental counts to provide (mopeds?)
16. CS to load up network and zone data maps to the ftp for TAZ subcommittee
17. CS will also prepare maps that summarize the allocation of UF zone data
18. Subcommittee will be notified NLT October 21<sup>st</sup> on location of maps, etc. for downloading
19. 1 pm on October 28<sup>th</sup> – TAZ subcommittee
20. Key assumptions on UF trips to confirm or recheck against other sources:

- a. home-based university trip productions =  $2.996 * \text{UF off-campus students by zone}$
- b. home-based university trip attractions =  $1.375 * \text{UF parking spaces by zone}$
- c. home-based dorm trip productions =  $2.262 * \text{UF dorm students by zone}$
- d. home-based dorm trip attractions =  $0.7513 * \text{UF student seats by zone}$

Robert G. Schiffer, AICP  
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## EXHIBIT 2

**Mike Escalante**

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**From:** Dixon,Linda B [ldixon@UFL.EDU]  
**Sent:** Wednesday, August 26, 2009 9:33 AM  
**To:** Mike Escalante  
**Subject:** RE: LRTP SE Data

thanks, Mike

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**From:** Mike Escalante [mailto:escalante@ncfrpc.org]  
**Sent:** Wednesday, August 26, 2009 9:30 AM  
**To:** nlepp@ciesthatwork.com  
**Cc:** Marlie Sanderson; Dixon,Linda B; Kevin Parrish  
**Subject:** FW: LRTP SE Data

Nick,

Working with the data from the the SE Data dbf file, we encountered an error in the TAZ assignment of UF Dorm Student. The file shows 442 students in TAZ 141 [actually the old TAZ number] which is the CITGO Station at US 441 and NW 43rd Street. The 442 students should be in TAZ 552 [new TAZ number] Frat Row. If needed, please make the appropriate changes to the model.

We also double-checked the UF dorm student and employee TAZ assignments in the dbf file and there are no additional corrections.

Thanks. Call me if you have any questions.

Mike Escalante, AICP  
 NCFRPC Senior Planner

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**From:** Marlie Sanderson  
**Sent:** Tuesday, August 25, 2009 8:48 AM  
**To:** Mike Escalante  
**Subject:** FW: LRTP SE Data

ME- FYI. Marlie

*Marlie Sanderson, Assistant Executive Director  
 North Central Florida Regional Planning Council  
 2009 NW 67th Place  
 Gainesville, FL 32653-1603  
 (352) 955-2200, ext. 103*

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**From:** Nick Lepp [mailto:nlepp@ciesthatwork.com]  
**Sent:** Wednesday, August 12, 2009 10:19 AM  
**To:** Marlie Sanderson  
**Cc:** Whit Blanton; Scott Koons; Mike Escalante; Dixon,Linda B  
**Subject:** RE: LRTP SE Data

Marlie

I received a file from Jake on 6 / 2 / 2009 which converted the adopted Socio Economic data into the

new TAZ structure. This file dated 5 /28 / 2009 which was sent to Cambridge Systematic for the model validation has the dorm residents at 10,420.

I'm not sure why the older file has the discrepancy, but the data developed in the new TAZ structure (dated May / 28 / 2009) should be the official dataset for the 2035 update. I can provide the 2007 and the 2035 datasets to the SE data working group and Technical Advisory Committee to ensure everyone is using the correct set.

Let me know if you need anything else.

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Nick Lepp I Sr. Transportation Planner  
 RENAISSANCE PLANNING GROUP  
 ph. 407.487.0061 x129 c. 321.274.7865

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**From:** Marlie Sanderson [mailto:sanderson@ncfrpc.org]  
**Sent:** Friday, August 07, 2009 3:10 PM  
**To:** Nick Lepp  
**Cc:** Whit Blanton; Scott Koons; Mike Escalante; Dixon,Linda B  
**Subject:** FW: LRTP SE Data

Nick-

Please see the email below. We need to discuss what is in the data file for UF zones? Hopefully, the correct information. If not, we need to insert the correct UF data. Please let me know when you are ready to discuss.

Marlie

*Marlie Sanderson, Assistant Executive Director  
 North Central Florida Regional Planning Council  
 2009 NW 67th Place  
 Gainesville, FL 32653-1603  
 (352) 955-2200, ext. 103*

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**From:** Dixon,Linda B [mailto:ldixon@ufl.edu]  
**Sent:** Monday, August 03, 2009 11:14 AM  
**To:** Mike Escalante  
**Cc:** Marlie Sanderson  
**Subject:** RE: LRTP SE Data

Mike,

In looking over this data for RTS TDP, I noticed a discrepancy in the data that I provided in January (UF\_ZDATA\_2007\_updated\_2009\_01\_11.xlsx) and the spreadsheet that I got from Jake in April. The discrepancy is that my table totals the 10,420 on-campus residents consistent with the SE Data Report, but Jake's spreadsheet totals 9,401 in the UF\_DORM column. I know this is not his final 2007 data file, and I did not go through it to see where data was missing. Can you confirm for me that the data file given to the consultants has the correct number of on-campus residents for 2007? In my earlier



reviews of the data, I was working with Jake to correct errors in the UF employment data right up until he left, but I may not have caught the error in UF residents.

Thanks,  
Linda

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**From:** Mike Escalante [mailto:escalante@ncfrpc.org]  
**Sent:** Monday, July 27, 2009 11:59 AM  
**To:** LaChant Barnett  
**Cc:** Marlie Sanderson; Dixon,Linda B; Lewis,Erik T; Robinson, Douglas K.; gomezjm@ci.gainesville.fl.us  
**Subject:** RE: LRTP SE Data

Table 14 on page 44 of the 2009 SE Report shows the UF student population. Below is the link to the report. Also attached is the TAZ student population distribution.

[http://ncfrpc.org/mtpo/publications/SE\\_Data/SE\\_Data\\_Report\\_2009\\_05\\_28.pdf](http://ncfrpc.org/mtpo/publications/SE_Data/SE_Data_Report_2009_05_28.pdf)

Mike Escalante, AICP  
NCFRPC Senior Planner

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**From:** LaChant Barnett [mailto:LBarnett@tindaleoliver.com]  
**Sent:** Friday, July 24, 2009 5:21 PM  
**To:** Mike Escalante  
**Cc:** Fred Hartless  
**Subject:** LRTP SE Data

Hi Mike,  
Hi Mike,

TOA is utilizing the total population column and total employment column to determine our 2009 population and employment totals for mapping purposes. However, Linda commented yesterday that the student population is missing with regard to densities. For density information we utilized the SF DU and MF DU columns, are we missing the students by doing this? Is it possible, that the information may not include the entire student population, because when asked for permanent address the students are indicating their parent's home, not the address where they reside for school purposes? I attached the file that we have been utilizing for mapping purposes.

Fred, please feel free to correct the statements above if you are doing something different on the maps.

Thanks,

**LaChant Barnett**  
Project Manager



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**BICYCLE, MOTORCYCLE, PEDESTRIAN AND SCOOTER COUNTS**  
**UNIVERSITY OF FLORIDA PERIMETER**

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**University Residents Total by TAZ, 2004**

TAZ2000	Residents
79	660
91	1,574
110	1,003
126	2,156
141	540
146	576
440	601
441	528
443	374
444	2
449	608
454	1,667
460	360
TOTAL	10,649

**B. Parking**

**Existing Parking.** The physical tracking and mapping of parking locations on campus can be difficult because different data sources provide different levels of detail with regard to non-decal parking space which is found in small quantities in many localized areas. Typically, such locations provide limited employee parking in non-public parts of campus such as the Physical Plant Division compound. Detailed parking location and decal assignment is also subject to frequent modification due to construction and a variety of factors. For the purposes of the transportation model, 23,261 parking spaces were allocated to TAZs as presented in the following table. Additional detailed analysis of parking locations, trends and decal assignments is presented in Section X, Parking Facilities and Programs, of this report.

**Parking by TAZ, 2004**

TAZ	Parking Spaces	TAZ	Parking Spaces
59	32	166	563
74	499	178	1,540
79	362	433	843
83	535	440	399
85	51	441	499
86	23	442	699
91	878	443	426
97	114	446	81
101	171	447	25
110	564	449	2,529
112	576	450	1,989
122	1,043	451	1,742
125	1,626	452	605
126	743	453	222
130	48	454	432

TAZ	Parking Spaces	TAZ	Parking Spaces
141	139	455	1,473
146	1,183	466	20
149	587		

**Future Parking Assignment.** For the year 2015, and additional 1,898 parking spaces were coded into the transportation model consistent with the recommendations summarized in Section X, Parking Facilities and Programs, of this report.

### C. *Student Destinations*

**Existing Student Destinations.** For the purpose of the transportation model, information was needed about destinations of students on campus. One measure of where students want to go on campus is the location of classrooms, while the classroom size gives information about the attractiveness of that location for destination trips. To this end, data was generated and supplied to the transportation consultant listing every space on the main campus designated as classroom, class laboratory or assembly with its room capacity, size and TAZ location.

## II. Mode Split

Mode split is generally defined as the prediction of how trips will be divided among the available modes of travel such as bicycle, pedestrian, transit and auto (including auto by number of occupants). This is an important step in the traditional four-step model, as it determines how many trips need to be accommodated on the roadway and transit networks. Traditional models are not capable of predicting origins, destinations and routing for non-auto trips, however, these non-auto trips are very important to the overall system capacity. For the purposes of transportation modeling, various sources are utilized to evaluate the countywide mode split including U.S. Census Bureau Journey-To-Work data and the Florida Department of Transportation Household Survey. The likelihood that a person will choose a travel mode other than a personal vehicle are dependent upon many factors including proximity, bicycle/pedestrian environments and parking. For the University of Florida campus, restricted parking availability is the number one influencing factor for mode choice. The model is able to account for parking policy through the mode usage module.

A number of additional resources can be cited to further understand the importance of alternate modes of transportation on campus. In general, the conclusion of these sources and the campus count data is that non-auto modes are a critical component of the traffic mix on the university campus. This has been the case historically, and will continue to be increasingly important in the future. While some of these percentages may be small, their impact is quite large for the trip-making behavior of over 22,000 employees and 45,000 students.

**BOR 1993 Study.** In 1993 the Board of Regents published a "State University System Transportation Study, BOR-052" including data from all of the state universities. Data collection with regard to mode choice was gathered through random classroom surveys for students, and one-on-one group surveys for faculty and staff. The 1993 survey included 4,649 respondents from the University of Florida. Based on these respondents, the mode split at UF for all trips was found to be: 46.6% auto, 38.1% Walk, 12.4% Bike, 2.4% Bus, and 0.5% Motorcycle. Regarding automobile trips, 34.3% of all trips were reported to be single-occupant vehicles and 2.1% were vehicles with three or more passengers. The frequency of bicycling was the highest at the

TAZ2000	2007			2035			Total Employees	New Residents	Total Residents	Notes
	Commuter Parking Spaces	Residents	Employees	Student Seats	New Employees	Total Employees				
59	0	0	0	0	0	0				Sorority Woods Parking lot
74	268		363	1736						
79	0	572	0	0						
83	507	0	1912	5292	50					NE corner
85	33	0	288	3434						
86	21	0	12	284						
90	0	0	108	0						PKY - 1,150 K-12 Students
91	765	1573	76	877						
97	107	0	771	3619	50					Chemistry
101	53	0	10012	6128	100					HSC & Shands
104	0	0	51	92						Emerson Hall
110	334	1019	1140	1906	50					Stadium
112	350	0	2031	6456						
122	1008	0	1079	2391	100					New Engineering
125	1446	0	99	236						
126	122	2153	8	0						
130	40	0	39	9						
141	0	442	0	0						Frat Row
146	894	530	323	1455						Law School
149	579	0	544	482	300					Lake Alice & Fifield
160	0	0	2	0						Bee Unit/SW 23 Terr
166	543	0	259	0	50					PPD
178	1539	0	549	312	100					Cultural Plaza to Mehrhof
433	826	0	765	776						
435	0	0	134	0						
437	0	0	0	0						VA
440	0	607	0	0						Maguire & UV South
441	206	528	40	0						Lakeside
442	699	0	154	2	100					Ortho & Shands Surgical
443	128	367	3	0						Corry Village
444	0	0	0	0						Pres Res
445	234	0	133	163						
446	68	0	397	202	300					SW Research Circle
447	25	0	23	0						
449	1166	608	5	80						Hume & Commuter Lot
450	980	0	336	0						Shands Med Plaza
451	1742	0	3	0						Archer Garage
452	600	0	452	15						Shands Admin
453	158	0	504	650	100					Frazier Rogers
454	177	1642	136	0						
455	613	0	0	0						Garages 1 & 10
456	0	0	20	0						Golf Course
460	0	379	0	0						Tanglewood
466	20	0	108	0						Foundation
<b>TOTAL</b>	<b>16,251</b>	<b>10,420</b>	<b>22,879</b>	<b>36,597</b>	<b>1,300</b>			<b>1,110</b>		

TAZ	ComPking	Residents	Employees	Seats	NewEMP	NewRes
59	0	0	0	0		
74	268		363	1736		
79	0	572	0	0		
83	507	0	1912	5292	50	
85	33	0	288	3434		
86	21	0	12	284		
90	0	0	108	0		
91	765	1573	76	877		
97	107	0	771	3619	50	
101	53	0	10012	6128	100	
104	0	0	51	92		
110	334	1019	1140	1906	50	
112	350	0	2031	6456		
122	1008	0	1079	2391	100	
125	1446	0	99	236		
126	122	2153	8	0		
130	40	0	39	9		
141	0	442	0	0		
146	894	530	323	1455		40
149	579	0	544	482	300	
160	0	0	2	0		
166	543	0	259	0	50	670
178	1539	0	549	312	100	
433	826	0	765	776		
435	0	0	134	0		
437	0	0	0	0		
440	0	607	0	0		
441	206	528	40	0		200
442	699	0	154	2	100	
443	128	367	3	0		200
444	0	0	0	0		
445	234	0	133	163		
446	68	0	397	202	300	
447	25	0	23	0		
449	1166	608	5	80		
450	980	0	336	0		
451	1742	0	3	0		
452	600	0	452	15		
453	158	0	504	650	100	
454	177	1642	136	0		
455	613	0	0	0		
456	0	0	20	0		
460	0	379	0	0		
466	20	0	108	0		



TAZ	New_EMP	Notes
59	0	Sorority Woods Parking lot
74	0	
79	0	
83	50	NE corner
85	0	
86	0	
90	0	PKY - 1,150 K-12 Students
91	0	
97	50	Chemistry
101	100	HSC & Shands
104	0	Emerson Hall
110	50	Stadium
112	0	
122	100	New Engineering
125	0	
126	0	
130	0	
141	0	Frat Row
146	0	Law School
149	300	Lake Alice & Fifield
160	0	Bee Unit/SW 23 Terr
166	50	PPD
178	100	Cultural Plaza to Mehrhof
433	0	
435	0	
437	0	VA
440	0	Maguire & UV South
441	0	Lakeside
442	100	Ortho & Shands Surgical
443	0	Corry Village
444	0	Pres Res
445	0	
446	300	SW Research Circle
447	0	
449	0	Hume & Commuter Lot
450	0	Shands Med Plaza
451	0	Archer Garage
452	0	Shands Admin
453	100	Frazier Rogers
454	0	
455	0	Garages 1 & 10
456	0	Golf Course
460	0	Tanglewood
466	0	Foundation

