



CITIZENS ADVISORY COMMITTEE

Ocala Citizens Service Center
201 SE 3rd Street, Ocala FL 34471
2nd Floor Training Room

**November 13, 2018
3:00 PM**

AGENDA

1. CALL TO ORDER AND ROLL CALL

2. PROOF OF PUBLICATION

3. ACTION ITEMS

A. ELECTION OF CHAIRMAN AND VICE-CHAIRMAN

Each year the Technical Advisory Committee is required to elect a chairman and vice-chairman to serve a one-year term. Currently, Mr. Richard McGinley is chairman and Mr. Steve Rudnianyn is Vice Chairman.

4. DISCUSSION ITEMS

A. 2045 LONG RANGE TRANSPORTATION PLAN MODEL

As part of the 2045 Long Range Transportation Plan, Central Florida is updating the Traffic Model for the Region. Staff will explain the process and how it impacts future land use and transportation decision making.

B. LEGISLATIVE PRIORITIES

Each year, the Transportation Planning Organization in coordination with the Florida Metropolitan Planning Organization Advisory Council develops a set of legislative priorities on which to focus for the upcoming legislative cycle.

5. COMMENTS BY FDOT

6. COMMENTS BY TPO STAFF

7. COMMENTS BY CAC MEMBERS

8. PUBLIC COMMENT (Limited to 5 minutes)

9. ADJOURNMENT

If reasonable accommodations are needed for you to participate in this meeting, please call the TPO Office at (352)629-8297 forty-eight (48) hours in advance, so arrangements can be made.

*The next regular meeting of the Technical Advisory Committee will be held on **January 8, 2019.***



November 9, 2018

TO: TAC/CAC Members

FROM: Kenneth Odom, Transportation Planner

RE: 2045 Long Range Transportation Data

The Central Florida Regional Planning Model – Version 7 (CFRPMv7), is the travel model that will be used most major planning efforts in Central Florida. The model will feature a more refined zone system, with more than 30% more zones than the previous version; a geospatially-correct roadway network; a new travel generation module; a re-calibrated travel distribution module; and robust model validation process. Staff will provide a brief presentation on how this model is developed including the socio-economic data and construction of the model network, and how the model is used to project traffic levels and patterns in the horizon year of the 2045 Long Range Transportation Plan.

Cooperative and comprehensive planning for our transportation needs
Marion County • City of Belleview • City of Dunnellon • City of Ocala

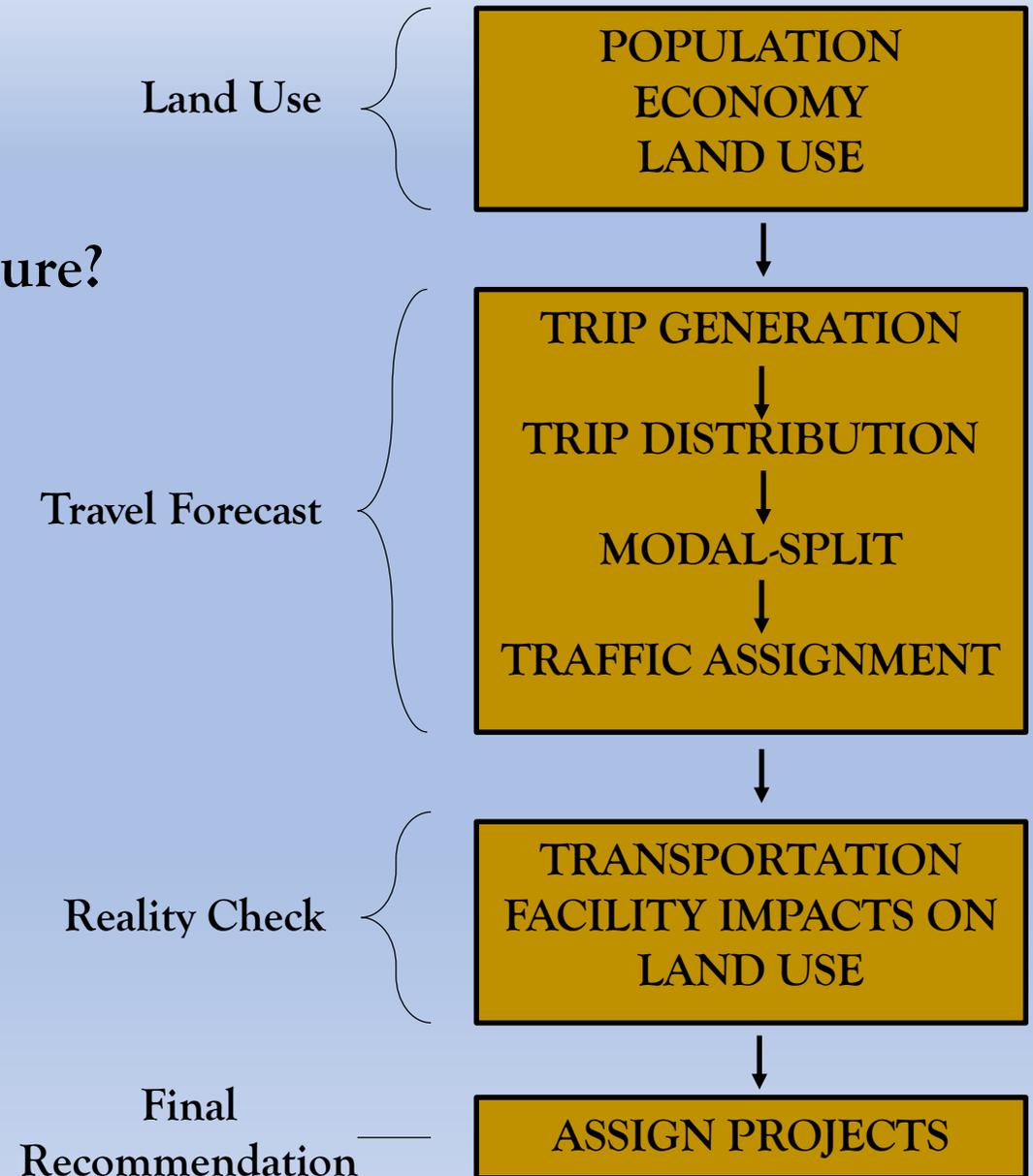
121 S.E. Watula Avenue • Ocala, Florida 34471
Telephone: (352) 629-8297 • Fax: (352) 629-8240 • www.ocalamariontpo.org

Central Florida Regional Planning Model

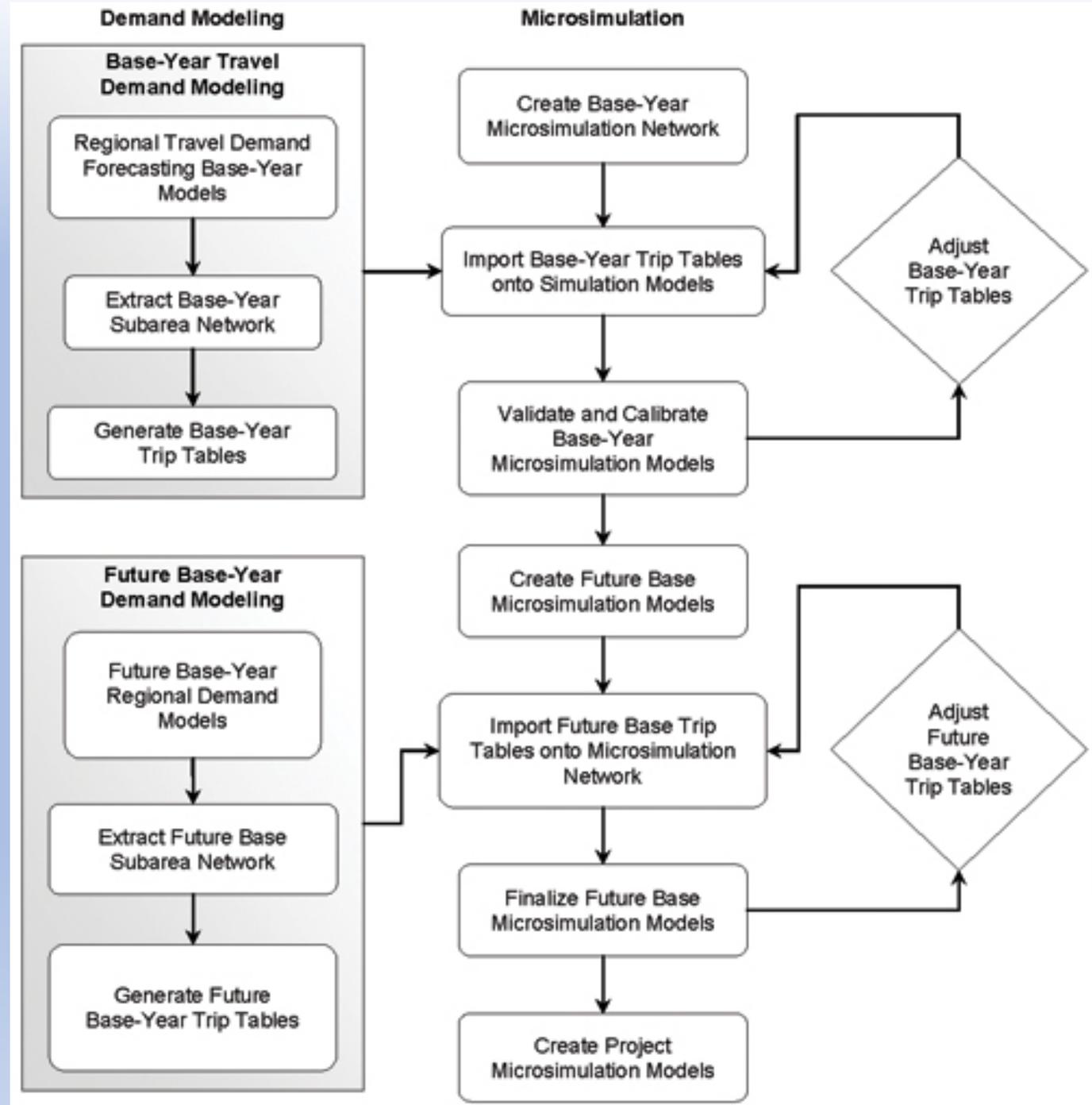
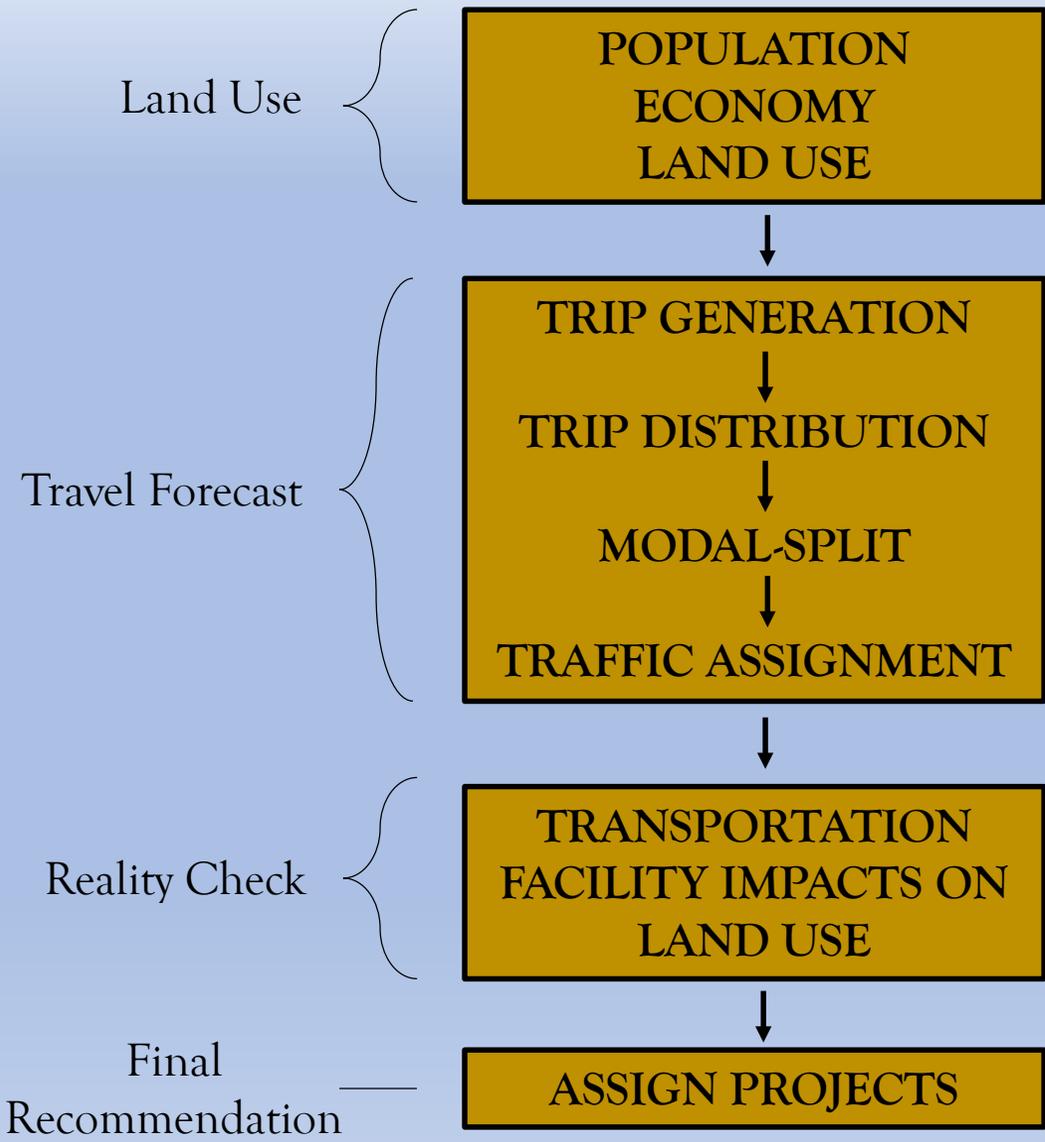
2045 Long Range Transportation Plan

TRAVEL DEMAND MODELING

- Why do we do it?
- Planning Regulations
- What will our community look like in the future?
 - How many people?
 - What will they be doing?
 - Where will activities take place?
- What are the travel patterns in the future?
 - How many trips?
 - Where are those trips?
 - How do they get there?
 - What corridors are used?
 - What are the effects of travel?



CFRPM v6.1 MODEL PROCESS



POPULATION – “How Many People”

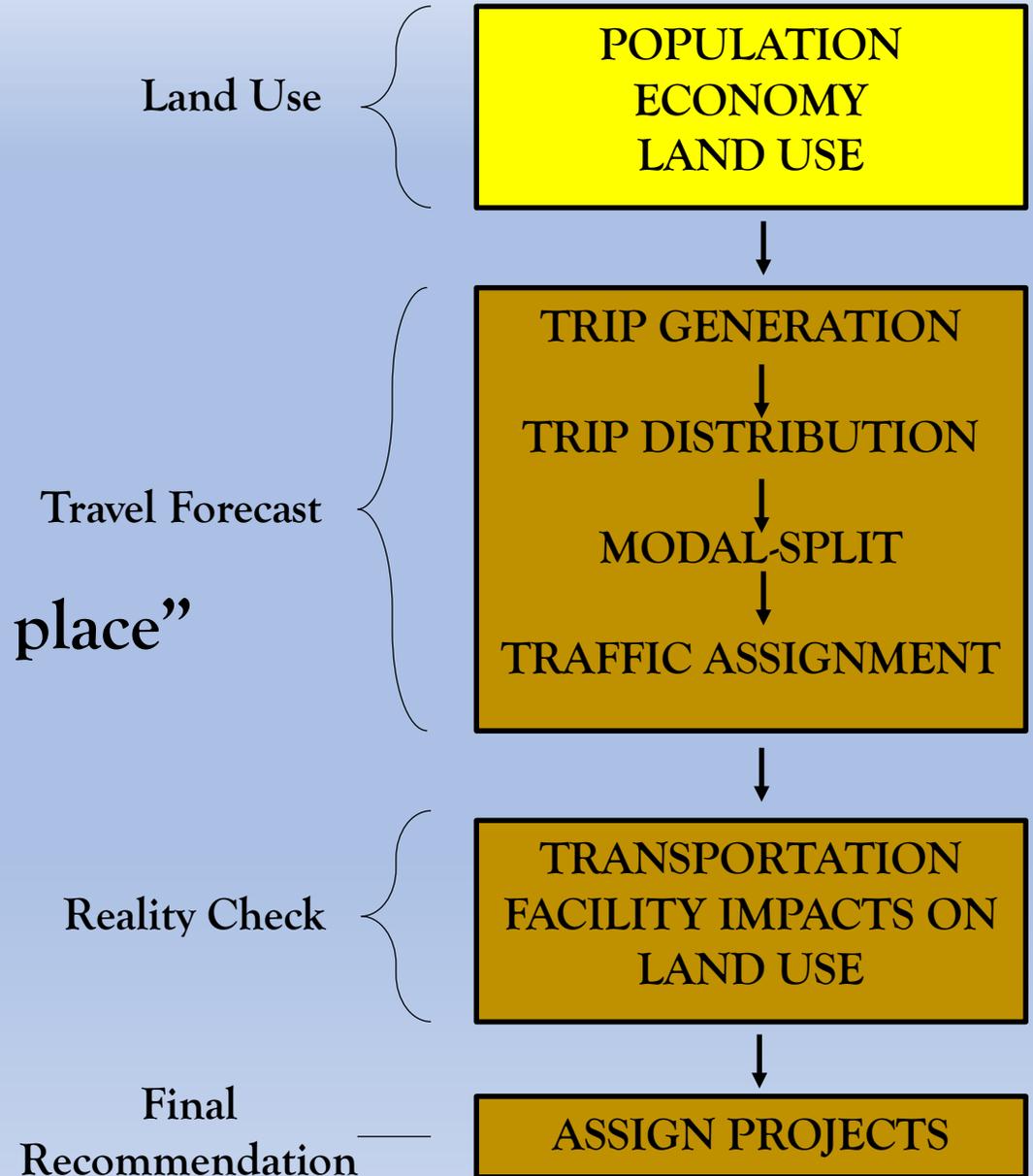
- Birth Rates
- Death Rates
- Rate of Migration

ECONOMY – “What will they be doing”

- Work Centers
- Recreational Locations
- Schools
- Shopping

LAND USE – “Where will the activities take place”

- Industrial
- Service
- Commercial
- Schools
- Hotels
- Housing



TRIP GENERATION – “How Many Trips”

- Home-Based Shopping
- Home-Based Work
- Home-Based School
- Home-Based Other
- Non-Home-Based
- Freight
- Taxi (For-Hire)

TRIP DISTRIBUTION – “Where are they going”

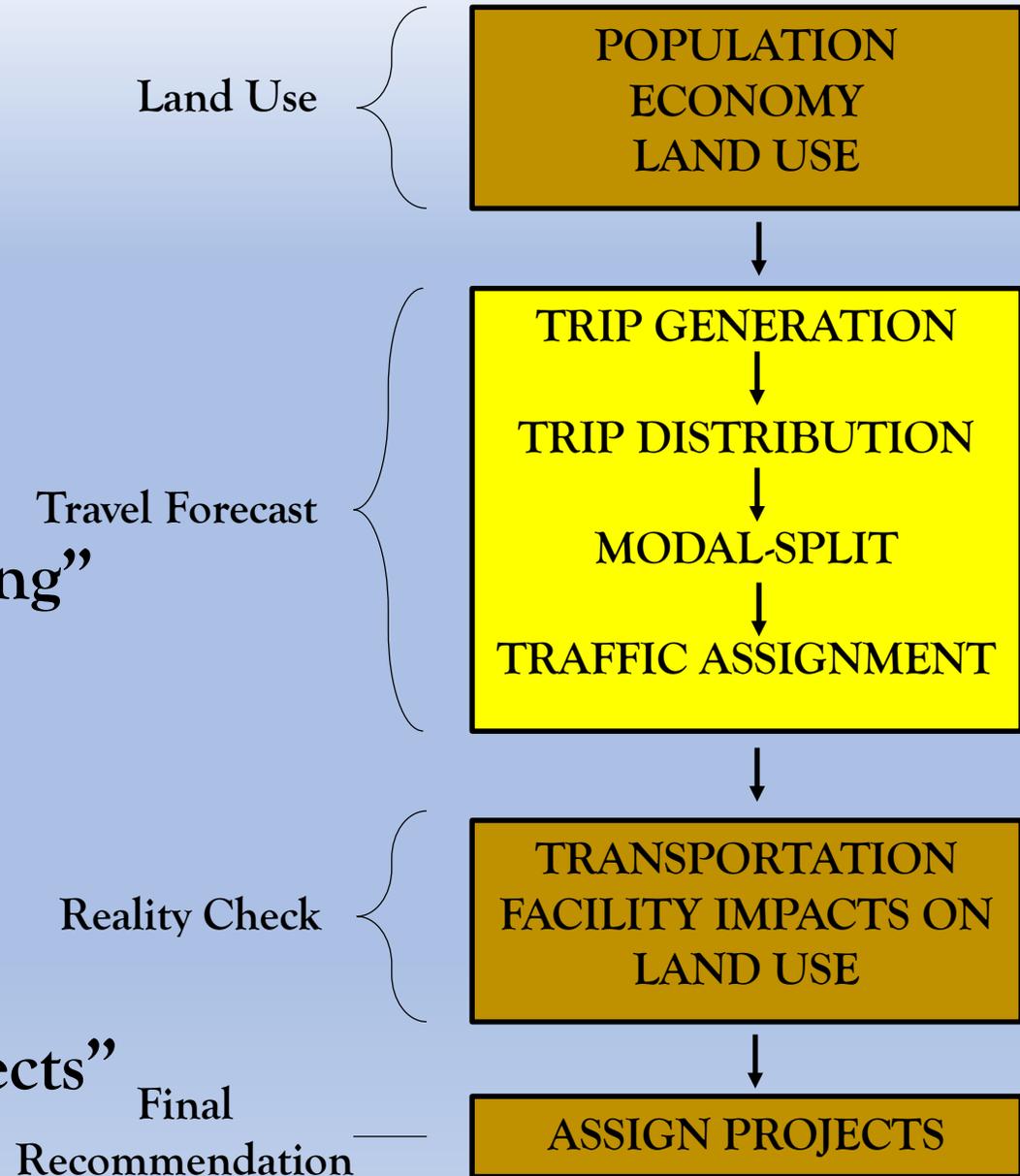
- Gravity Model

MODAL SPLIT – “How do they get there”

- Auto
- Non-Motorized
- Transit

TRAFFIC ASSIGNMENT – “What are the effects”

- Equilibrium between travel time and supply

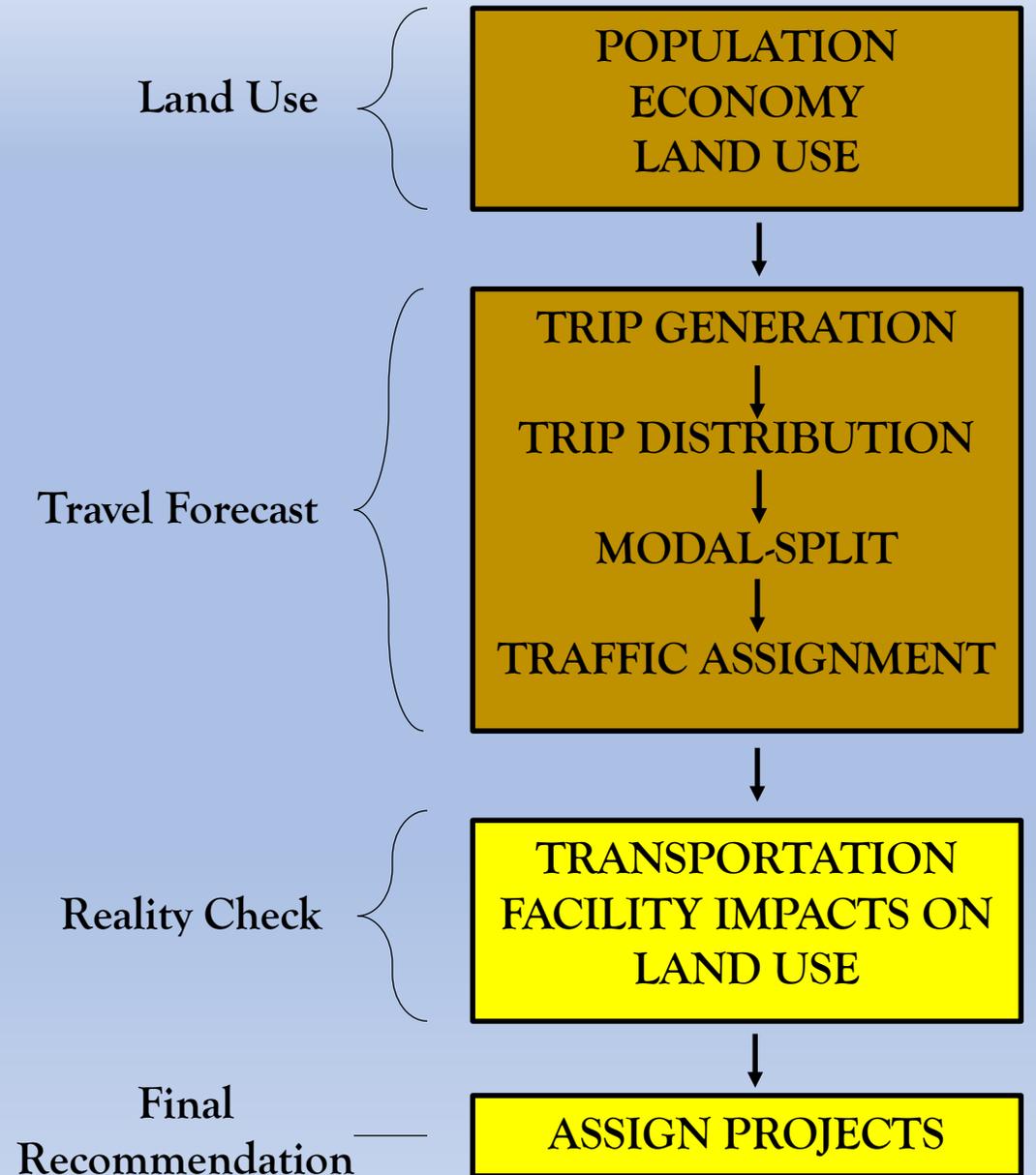


IMPACTS – “What are the effects”

- Congestion
- Air Quality
- Travel Times
- Speed
- VMT

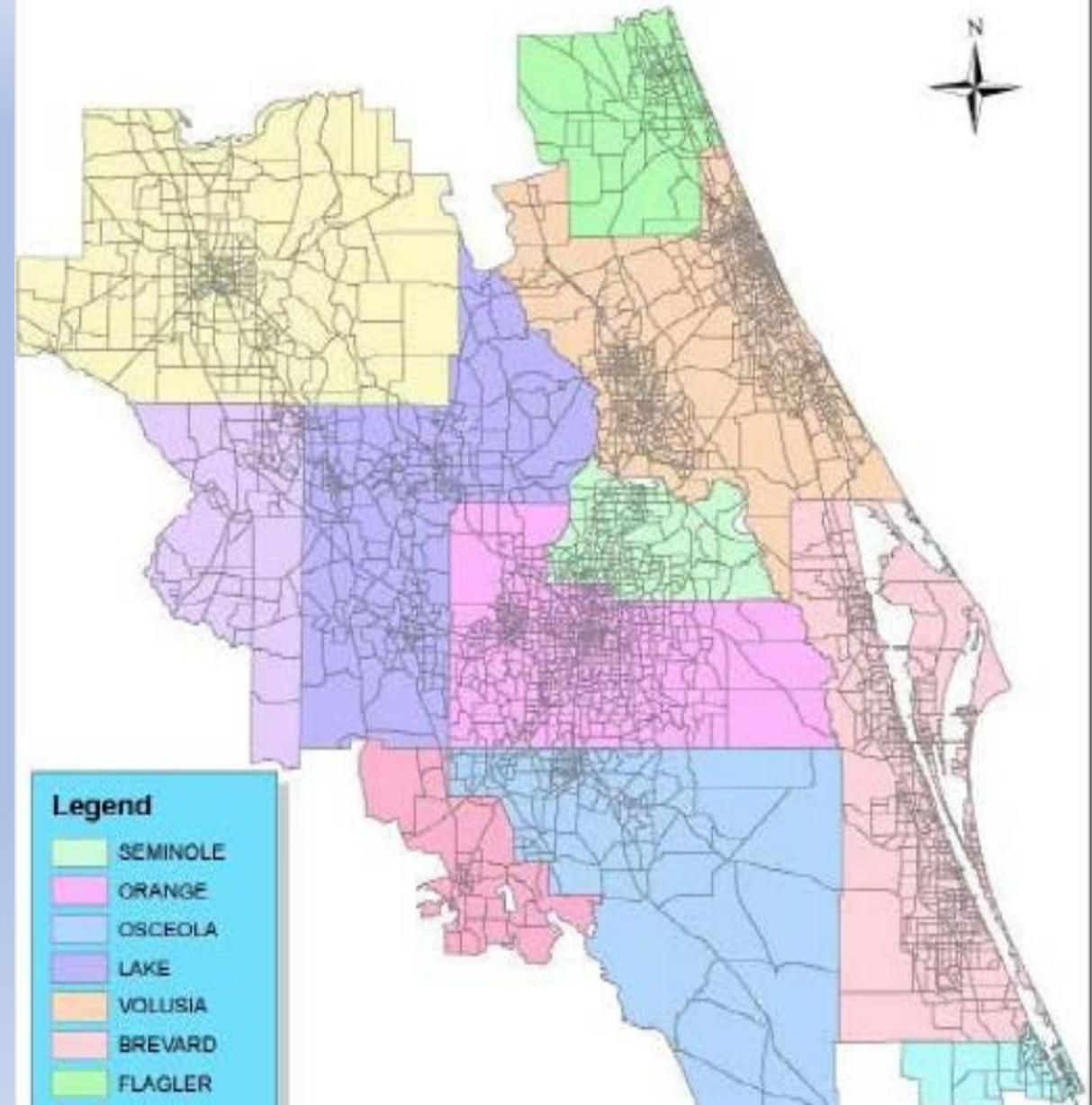
ASSIGN PROJECTS

- 2045 LRTP Needs Assessment
- 2045 LRTP Coast Feasible



REGIONAL NETWORK

- Brevard
- Lake
- Marion
- Orange
- Osceola
- Seminole
- Sumter
- Volusia
- (Polk)
- (Flagler)



CONTROL TOTALS

CFRPM v6 2010 Model				CFRPM v6 2040 Model				Growth %		
	Total DUs	Total 2010 Population	Total 2010 Employment		Total DUs	Total 2040 Population	Total 2040 Employment	DU	Population %	Employment %
Brevard County	267,460	535,578	230,089	Brevard County	360,513	777,027	324,499	35%	45%	41%
Flagler County	47,009	104,173	23,405	Flagler County	100,362	203,825	51,727	113%	96%	121%
Lake County	144,443	305,724	118,267	Lake County	255,055	547,506	226,292	77%	79%	91%
Marion County	164,050	325,331	114,762	Marion County	264,054	532,937	251,895	61%	64%	119%
Sumter County	55,134	93,503	28,289	Sumter County	118,609	241,201	89,329	115%	158%	216%
Volusia County	257,538	510,189	198,519	Volusia County	321,226	608,266	288,250	25%	19%	45%
Orange County	487,663	1,164,802	824,774	Orange County	715,143	1,694,375	1,155,981	47%	45%	40%
Seminole County	186,027	428,455	226,608	Seminole County	228,873	549,917	372,311	23%	28%	64%
Osceola County	129,166	298,376	89,359	Osceola County	229,969	608,004	269,821	78%	104%	202%

CFRPM v7 2015 Model				CFRPM v7 2045 Model (Using BEBR Medium Difference)				Growth %		
	Total DUs	Total 2015 Population	Total 2015 Employment		Total DUs	Total 2045 Population	Total 2045 Employment		%	%
Brevard County	275,763	555,850	252,418	Brevard County		705,236	370,803		27%	47%
Flagler County	42,692	101,289	25,805	Flagler County		165,736	50,080		64%	94%
Lake County	152,913	318,365	129,709	Lake County		511,396	253,783		61%	96%
Marion County	165,338	333,186	111,501	Marion County		444,881	189,573		34%	70%
Sumter County	68,430	107,042	30,073	Sumter County		223,985	71,153		109%	137%
Volusia County	246,941	503,615	204,694	Volusia County		635,521	310,790		26%	52%
Orange County				Orange County						
Seminole County				Seminole County						
Osceola County				Osceola County						

CONTROL TOTALS

BEBR 2015 and Woods & Poole Employment Estimates			BEBR 2045 Medium and Woods & Poole Employment Estimates			Growth %	
	Total 2015 Population	Total 2015 Employment		Total 2045 Population	Total 2045 Employment	Population %	Employment %
Brevard County	561,714	272,727	Brevard County	711,100	400,637	27%	47%
Flagler County	101,353	36,289	Flagler County	165,800	70,427	64%	94%
Lake County	316,569	132,025	Lake County	509,600	258,314	61%	96%
Marion County	341,205	141,765	Marion County	452,900	241,027	33%	70%
Sumter County	115,657	40,444	Sumter County	232,600	95,691	101%	137%
Volusia County	510,494	232,518	Volusia County	642,400	353,036	26%	52%
Orange County	1,252,396	998,072	Orange County	2,013,600	1,677,658	61%	68%
Seminole County	442,903	247,234	Seminole County	582,600	466,852	32%	89%
Osceola County	308,327	127,871	Osceola County	649,800	275,094	111%	115%

TRAFFIC COUNT DATA

OBJECT_ID	COUNT_LOC	COUNT_SITE	DIR	COUNTY	COUNT_DATE	COUNT_SOURCE	TRK_HVY	COUNT_TRUCK	COUNT_DAILY	COUNT_DAILY_SF	COUNT_AM	COUNT_MD	COUNT_PM	COUNT_NT	CATEGORY	SEASON_FACTOR	MOCF
3	ON SR-46, 0.205 MI. E OF CR-437 S. (RCLP)	110001	EB	LAKE	5/13/2015	FDOT	9.83	558	5,678	6,019	490	1,936	2,035	1,217	1100	1.06	0.96
4	ON SR-46, 0.205 MI. E OF CR-437 S. (RCLP)	110001	WB	LAKE	5/13/2015	FDOT	11.41	845	7,409	7,854	1,543	2,568	1,627	1,671	1100	1.06	0.96
5	ON US-441, 0.29 MI. N OF SR-46	110002	SB	LAKE	7/7/2015	FDOT	6.21	951	15,316	17,460	2,339	5,697	3,867	3,413	1100	1.14	0.96
6	ON US-441, 0.29 MI. N OF SR-46	110002	NB	LAKE	7/7/2015	FDOT	8.23	1292	15,695	17,892	2,215	6,006	3,810	3,664	1100	1.14	0.96
7	ON SR-44B, 0.128 MI. S OF WAYCROSS AVE. (UV)	110005	NB	LAKE	5/11/2015	FDOT	0.00	0	12,405	13,149	1,191	4,593	3,583	3,038	1100	1.06	0.96
8	ON SR-44B, 0.128 MI. S OF WAYCROSS AVE. (UV)	110005	SB	LAKE	5/11/2015	FDOT	0.00	0	12,360	13,102	2,890	4,757	2,264	2,449	1100	1.06	0.96
9	ON SR-44B, 0.21 MI. S OF SR-44 (UC)	110006	NB	LAKE	7/8/2015	FDOT	5.14	432	8,412	9,590	848	3,267	2,257	2,040	1100	1.14	0.96
10	ON SR-44B, 0.21 MI. S OF SR-44 (UC)	110006	SB	LAKE	7/8/2015	FDOT	4.53	374	8,248	9,403	1,671	3,319	1,599	1,659	1100	1.14	0.96
13	ON US-27, 0.522 MI. N OF LAKE LOUISE PARK	110007	NB	LAKE	6/3/2015	FDOT	10.20	1266	12,411	13,528	1,905	4,669	2,874	2,963	1100	1.09	0.96
14	ON US-27, 0.522 MI. N OF LAKE LOUISE PARK	110007	SB	LAKE	6/3/2015	FDOT	17.80	1961	11,015	12,006	1,786	4,151	2,214	2,864	1100	1.09	0.96
17	ON SR-19 0.049 MI. N OF UMITILLA PL (RVL)	110008	NB	LAKE	5/13/2015	FDOT	8.78	801	9,123	9,670	1,919	3,692	1,737	1,775	1100	1.06	0.96
18	ON SR-19 0.049 MI. N OF UMITILLA PL (RVL)	110008	SB	LAKE	5/13/2015	FDOT	20.07	1832	9,127	9,675	1,158	3,566	2,562	1,841	1100	1.06	0.96
19	CR 25, 0.3 MI S OF MARION CO LINE	11-001	NB	LAKE	2/26/2015	MPO	0.00	0	5,014	4,914	409	1,898	1,692	1,015	1100	0.98	0.96
20	CR 25, 0.3 MI S OF MARION CO LINE	11-001	SB	LAKE	2/26/2015	MPO	0.00	0	5,096	4,994	1,277	2,002	874	943	1100	0.98	0.96
23	ON SR-44 0.19 MI.W OF CR-42 (RVL)	110010	EB	LAKE	4/22/2015	FDOT	0.00	0	3,535	3,641	668	1,336	841	690	1100	1.03	0.96
24	ON SR-44 0.19 MI.W OF CR-42 (RVL)	110010	WB	LAKE	4/22/2015	FDOT	0.00	0	3,492	3,597	478	1,261	884	869	1100	1.03	0.96
25	ON US-27, 2.78 MI. S OF SR-50 (UV)	110011	NB	LAKE	6/30/2015	FDOT	7.27	1174	16,145	18,244	2,040	6,811	3,695	3,599	1100	1.13	0.96
26	ON US-27, 2.78 MI. S OF SR-50 (UV)	110011	SB	LAKE	6/30/2015	FDOT	7.03	1110	15,793	17,846	2,122	6,343	3,261	4,067	1100	1.13	0.96
27	ON US-27, 1.05 MI. S OF SR-50 (UC)	110012	NB	LAKE	7/14/2015	FDOT	6.86	1082	15,778	17,987	1,633	6,903	3,627	3,615	1100	1.14	0.96
28	ON US-27, 1.05 MI. S OF SR-50 (UC)	110012	SB	LAKE	7/14/2015	FDOT	7.82	1204	15,392	17,547	1,735	6,219	3,552	3,886	1100	1.14	0.96
29	ON US-27, 0.170 MI. N OF CR-33 (UC)	110014	NB	LAKE	7/21/2015	FDOT	10.21	1544	15,126	17,092	2,805	6,856	2,795	2,670	1100	1.13	0.96
30	ON US-27, 0.170 MI. N OF CR-33 (UC)	110014	SB	LAKE	7/21/2015	FDOT	9.19	1401	15,249	17,231	1,811	6,717	3,594	3,127	1100	1.13	0.96
31	MARION COUNTY RD, 0.15 MI E OF CR 25	11-002	EB	LAKE	2/26/2015	MPO	0.00	0	1,154	1,131	88	478	327	261	1100	0.98	0.96
32	MARION COUNTY RD, 0.15 MI E OF CR 25	11-002	WB	LAKE	2/26/2015	MPO	0.00	0	1,194	1,170	244	503	268	179	1100	0.98	0.96
33	GRIFFIN AVE, 0.07 MI E OF CR 25	11-003	EB	LAKE	2/26/2015	MPO	0.00	0	1,297	1,271	89	602	358	248	1100	0.98	0.96
34	GRIFFIN AVE, 0.07 MI E OF CR 25	11-003	WB	LAKE	2/26/2015	MPO	0.00	0	1,237	1,212	227	634	253	123	1100	0.98	0.96
35	LAKE GRIFFIN RD, 0.12 MI W OF CAROLINA AV	11-004	EB	LAKE	2/26/2015	MPO	0.00	0	1,612	1,580	449	644	322	197	1100	0.98	0.96

TRAFFIC ANALYSIS ZONES



NETWORK CONSTRUCTION

CFRPM6 Network Tools Cube (Licensed to Florida Department of Transportation)

File Home Scenario Node Link Transit Intersections GIS Tools Drawing Layer Analysis

Compute... Browse Nodes... Add... Flag Invalid Numbers Automatic Add Centroid
 Node Tabulation... Rename... Flag Unused Nodes Flag Small Gaps Automatic Add Centroid Connectors
 Update Delete... Node Attribute Node Flag Clear Flags

HWY:HWYLOAD_A10.NET

Scenario Base
 CF_2035
 BA_2010

Data Scenario

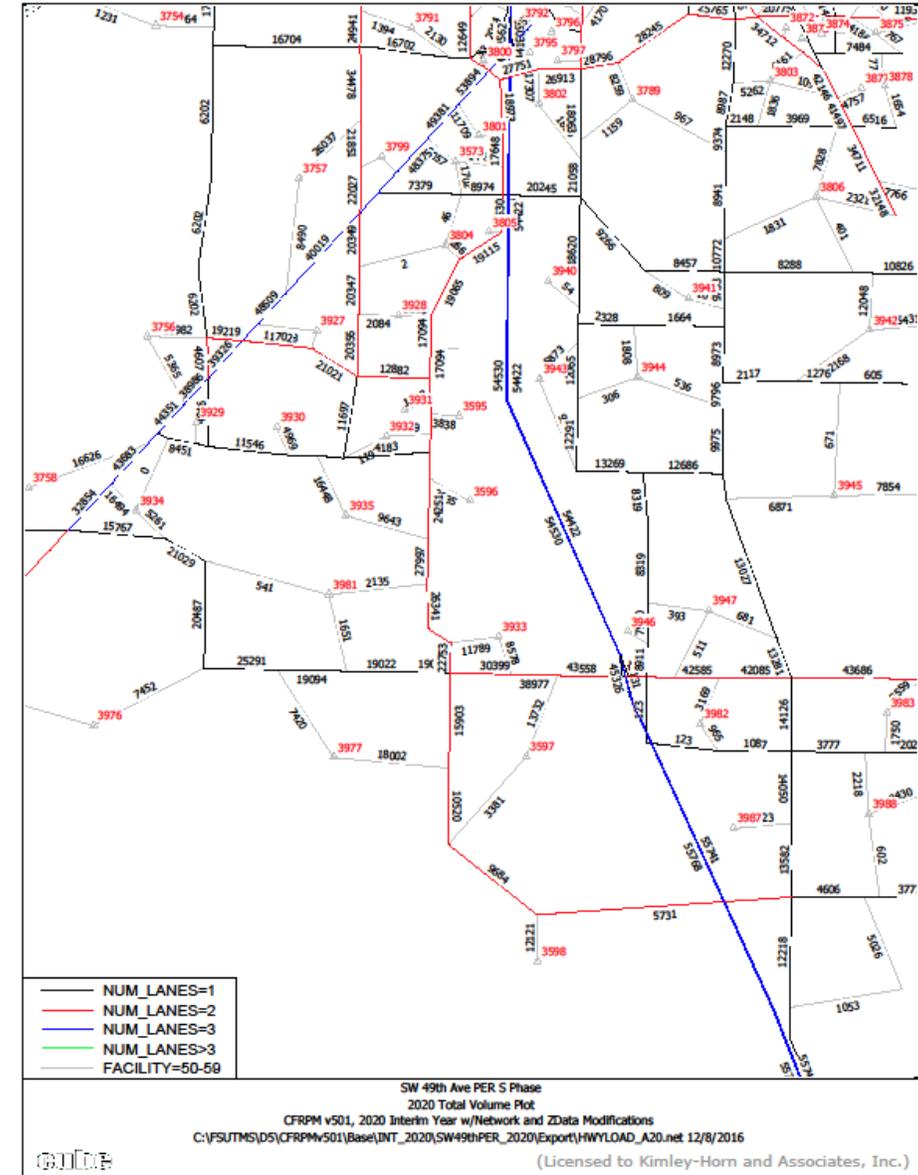
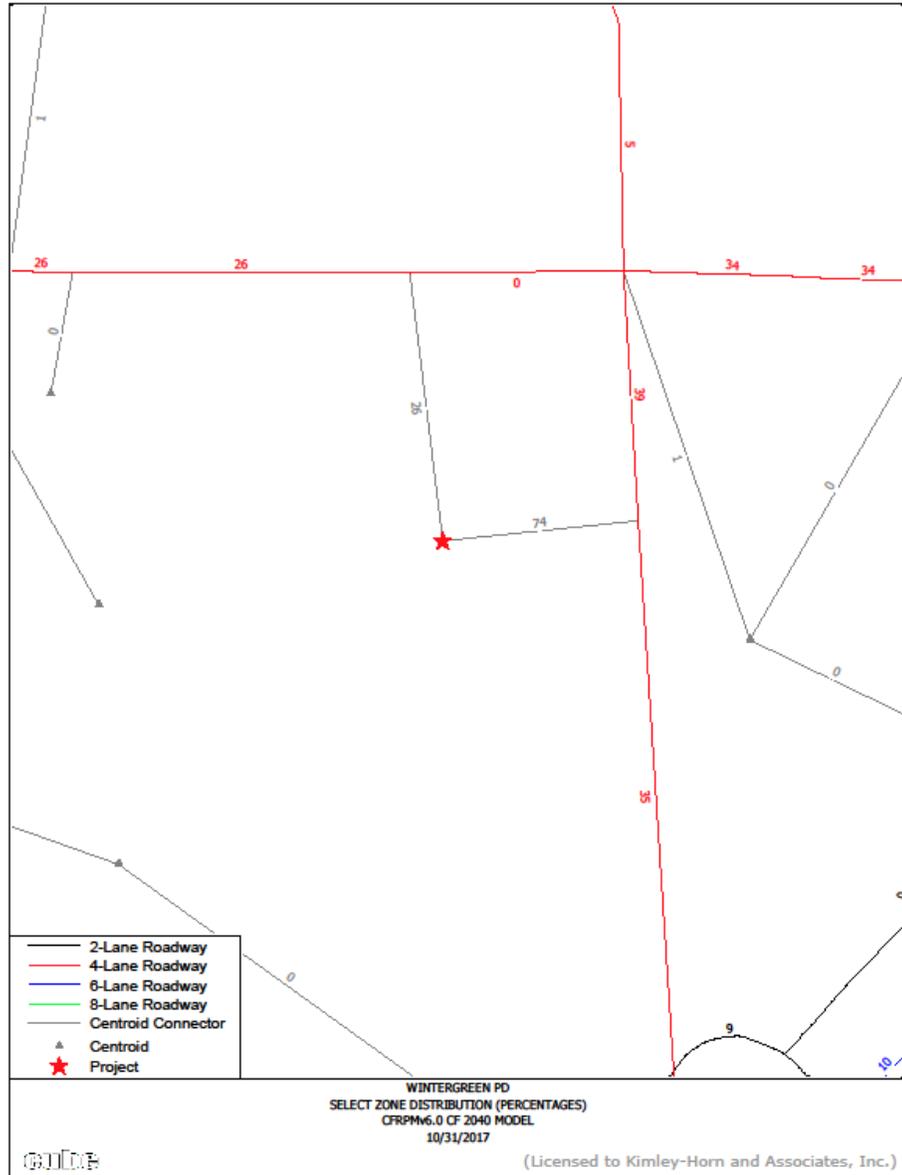
App CFRPM6
 External
 Trip Generation
 Highway Network
 Daily Model
 Selected Link
 Selected Zone

Keys

Key	Value
Scen. Name	Base
NAME	CFRPMv55
TITLE	Year 2005 Run with all of
DESCR	2005 v55t
ALT	A
YEAR	05
TOD	1
AMCAPFAC	2.5
MDCAPFAC	6
PMCAPFAC	3
NTCAPFAC	10
ZONESI	5050
ZONES	5106
NODEMIN	10000
PRINTO	prnto=1
N1	(Note)
CTOLL	0.03
UNITS	5280
ACCELRATE	2.5
DetailReport	0
FromNode	718
ToNode	499
SkimZone	718
ITER	50
ATITER	50
MAXPURP	9

The map displays a network of roads with various data labels. Key roads include NW 55th Ave, NW 49th Ave, NW 45th Ave, NW 40th Ter, NW 38th Avenue Rd, NW 35th Avenue Rd, NW 32nd Ave, NW 31st Ave, NW 30th Pl, NW 28th Pl, NW 27th Pl, NW 25th Pl, NW 23rd Pl, NW 21st Pl, NW 20th Pl, NW 19th Pl, NW 18th Pl, NW 17th Pl, NW 16th Pl, NW 15th Pl, NW 14th Pl, NW 13th Pl, NW 12th Pl, NW 11th Pl, NW 10th Pl, NW 9th Pl, NW 8th Pl, NW 7th Pl, NW 6th Pl, NW 5th Pl, NW 4th Pl, NW 3rd Pl, NW 2nd Pl, NW 1st Pl, NW 0th Pl, NW -1st Pl, NW -2nd Pl, NW -3rd Pl, NW -4th Pl, NW -5th Pl, NW -6th Pl, NW -7th Pl, NW -8th Pl, NW -9th Pl, NW -10th Pl, NW -11th Pl, NW -12th Pl, NW -13th Pl, NW -14th Pl, NW -15th Pl, NW -16th Pl, NW -17th Pl, NW -18th Pl, NW -19th Pl, NW -20th Pl, NW -21st Pl, NW -22nd Pl, NW -23rd Pl, NW -24th Pl, NW -25th Pl, NW -26th Pl, NW -27th Pl, NW -28th Pl, NW -29th Pl, NW -30th Pl, NW -31st Pl, NW -32nd Pl, NW -33rd Pl, NW -34th Pl, NW -35th Pl, NW -36th Pl, NW -37th Pl, NW -38th Pl, NW -39th Pl, NW -40th Pl, NW -41st Pl, NW -42nd Pl, NW -43rd Pl, NW -44th Pl, NW -45th Pl, NW -46th Pl, NW -47th Pl, NW -48th Pl, NW -49th Pl, NW -50th Pl, NW -51st Pl, NW -52nd Pl, NW -53rd Pl, NW -54th Pl, NW -55th Pl, NW -56th Pl, NW -57th Pl, NW -58th Pl, NW -59th Pl, NW -60th Pl, NW -61st Pl, NW -62nd Pl, NW -63rd Pl, NW -64th Pl, NW -65th Pl, NW -66th Pl, NW -67th Pl, NW -68th Pl, NW -69th Pl, NW -70th Pl, NW -71st Pl, NW -72nd Pl, NW -73rd Pl, NW -74th Pl, NW -75th Pl, NW -76th Pl, NW -77th Pl, NW -78th Pl, NW -79th Pl, NW -80th Pl, NW -81st Pl, NW -82nd Pl, NW -83rd Pl, NW -84th Pl, NW -85th Pl, NW -86th Pl, NW -87th Pl, NW -88th Pl, NW -89th Pl, NW -90th Pl, NW -91st Pl, NW -92nd Pl, NW -93rd Pl, NW -94th Pl, NW -95th Pl, NW -96th Pl, NW -97th Pl, NW -98th Pl, NW -99th Pl, NW -100th Pl.

MODEL OUTPUT



NEEDS ASSESSMENT

Roadway	From	To	Roadway Data			2013	Congestion Level	2040		Cost Estimate
			Length	# of Lanes	SIS* RS**	Traffic Count		Congestion Level	Improvement	
STATE ROADS										
PRIORITY 1										
SR 200 ¹	Citrus County Line	CR 484	6.0	2	RS	13,200	Low	Severe	Add 2 Lanes	\$30,400,000
	CR 484	I-75	8.9	6	RS	38,700	Low	High	ITS/Corridor Management	\$6,000,000
	I-75	US 441 ²	3.5	6	RS	41,400	Low	High	ITS/Corridor Management	\$4,000,000
I-75	Interchange at US 27		-				-	-	Operational Improvements	\$13,000,000
	Interchange at SR 40		-				-	-	Operational Improvements	\$13,200,000
	Interchange at CR 484		-				-	-	Operational Improvements	\$13,000,000
I-75	Sumter County Line	SR 326	21.5	6	SIS	83,300	Low	High	Add 2 Lanes	\$224,800,000
	SR 326	CR 318	10.2	6	SIS	54,100	Low	Severe	Add 2 Lanes	\$103,800,000
	CR 318	Alachua County Line	5.9	6	SIS	62,400	High	Severe	Add 2 Lanes	\$61,000,000
US 301	Sumter County Line	CR 42 ²	1.5	4	RS	18,800	Low	High	ITS/Corridor Management	\$2,000,000
	CR 42	SE 144 th Place Rd	2.1	2	RS	14,500	Low	Severe	Add 2 Lanes	\$18,000,000
	SE 144 th Place Rd	US 441 ²	3.3	4	RS	13,300	Low	Low	ITS/Corridor Management	\$2,000,000
¹ Construction Only - all other phases complete										
² Constrained Corridors										

QUESTIONS



2019 LEGISLATIVE PRIORITIES

SUPPORT INCREASED FUNDING FOR THE TRANSPORTATION REGIONAL INCENTIVE PROGRAM

The Transportation Regional Incentive Program (TRIP) was established to encourage a regional approach to transportation system improvements. This program proved highly successful in the Central Florida area. Funding for the program has declined steadily since 2008 due to the economic downturn and a shift of \$60 million in 2014 to the Florida Rail Enterprise. Restoring the program to its pre-recession levels enable local governments to accelerate a number of transportation projects.

SUPPORT EXPANDED AVAILABILITY OF THE CHARTER COUNTY AND REGIONAL TRANSPORTATION SYSTEM SURTAX

Section 212.055(1) F.S. authorizes charter counties to levy (by countywide referendum) up to 1¢ for various transportation uses including highway construction and maintenance as well as activities to support a transit system. Expanding eligibility for this surtax to counties that are members of a metropolitan/transportation planning organization would provide another resource for local governments in those counties to address transportation issues as well as provide a source of matching funds for programs such as the Transportation Regional Incentive Program (TRIP).

SUPPORT INDEXING OF LOCAL OPTION GAS TAXES

Current market conditions, including more fuel efficient vehicles, are greatly undermining the purchasing power of local option gas taxes. In 1997, the Legislature allowed state gas taxes to be indexed to the Consumer Price Index (CPI) each year. Providing local governments the same opportunity to index local option gas taxes would enable local governments to better address both capacity and maintenance issues. Since 1990, the purchasing power of local option taxes has decreased by approximately 40%.

SUPPORT REDUCTION OF DISTRACTED DRIVING BY DESIGNATING TEXTING WHILE DRIVING A PRIMARY OFFENSE

Traffic crashes caused by drivers using wireless communication devices continues to be a concern. In 2013, the legislation was enacted that prohibited use of such devices while driving as a secondary offense, meaning a driver has to have committed a more serious violation (i.e. speeding, careless driving) to be issued a citation for texting while driving. Designating distracted driving as a primary offense would further deter this dangerous activity.

Allows Strategic Intermodal System (SIS) funds to be used on roads and other transportation facilities not designated on the SIS if the improvement will enhance mobility or support freight transportation on the SIS.

Current state law does not permit SIS funds to be spent on roads or other transportation facilities that are not part of the SIS, even if proposed improvements would directly benefit users of SIS facilities by enhancing mobility options or supporting freight movement in a SIS corridor. This legislative proposal would broaden the State's ability to improve passenger and freight mobility on SIS corridors by making eligible the expenditure of SIS funds on non SIS roads and other transportation facilities where the benefit to users of SIS facilities can be demonstrated.

Establishes flexible and predictable funding for transit projects (capital and operating) identified through the metropolitan transportation planning process by removing various funding limitations for the State Transportation Trust Fund (STTF)

Current state law limits the amount of funding that can be made available from the STTF for transit projects for both capital and operating expenses. These limitations, which are not in place for roadway funding, makes transit funding from the STTF less predictable for the purposes of planning and project implementation and artificially limits the ability of MPOs to implement priority transit projects. This proposal recognizes the critical role transit plays in moving people and goods within and between Florida's metropolitan areas by removing the distinction between transit and highway projects for the purpose of spending funds from the STTF.

Recognizes that federal metropolitan transportation planning funds shall not be regarded as state funds for purposes of expenditure.

The United States Department of Transportation (USDOT) provides funding to metropolitan planning organizations (MPOs) to carry out their federally required duties. Those federal funds are given to states who in turn distribute them to MPOs based upon a formula agreed upon by the Florida Department of Transportation (FDOT) and the Florida MPOs and then approved by the Federal Highway Administration (FHWA). The Florida Department of Financial Services (DFS) has determined that the expenditure of federal funds by MPOs shall be subject to all state requirements, laws and regulations even where such laws conflict with federal laws, regulations and requirements. This limits the ability of the Florida MPOs to use federal funds for their intended purpose and impinges on their ability to carry out their responsibilities as outlined in federal rule. This proposal would clarify that federal monies passed through the State of Florida to MPOs and the Florida MPO Advisory Council (MPOAC) shall not be regarded as state funds for purposes of expenditure.