

Table E-1: Summary of Available Roadway Capacity

Roadway Functional Classification	Available Capacity by Mobility Zone (2009 LOS E)									
	Mobility Zones									
Orientation	1	2	3	4	5	6	7	8	9	10
East/West	1	2	3	4	5	6	7	8	9	10
Arterial	96,698	213,651	217,609	80,370	21,083	178,624	210,980	293,947	390,487	175,552
Collector	217,149	11,863	98,440	77,460	119,346	94,016	202,951	145,476	189,000	209,424
Freeway	300,400	221,600	-	-	222,492	222,492	39,567	221,333	64,167	61,200
Available Capacity E/W	614,247	447,114	316,049	157,830	362,921	495,132	453,497	660,756	643,654	446,176
North/South	1	2	3	4	5	6	7	8	9	10
Arterial	133,590	322,881	124,610	229,498	192,076	138,218	282,487	227,525	200,483	182,083
Collector	58,195	222,617	156,504	52,671	146,004	150,391	217,488	309,103	364,018	229,086
Freeway	397,858	113,255	233,472	198,300	29,419	55,700	28,800	10,550	138,269	-
Available Capacity N/S	589,643	658,752	514,586	480,469	367,499	344,309	528,775	547,178	702,770	411,169
Total Available Capacity	1,203,890	1,105,866	830,635	638,299	730,420	839,441	982,272	1,207,934	1,346,424	857,344
2009 Roadway Projects Cost (\$Millions 2010)					\$5.227					

Roadway Functional Classification	Available Capacity by Mobility Zone (2030 LOS E)									
	Mobility Zones									
Orientation	1	2	3	4	5	6	7	8	9	10
East/West	1	2	3	4	5	6	7	8	9	10
Arterial	22,977	(7,651)	123,509	45,409	8,195	109,533	124,134	154,647	202,651	113,879
Collector	170,007	9,990	51,727	5,028	52,029	26,200	101,983	103,640	93,336	100,406
Freeway	261,350	83,383	-	-	61,511	61,511	(114,797)	63,556	(91,459)	22,108
Available Capacity E/W	454,334	85,722	175,236	50,437	121,735	197,244	111,320	321,843	204,528	236,393
North/South	1	2	3	4	5	6	7	8	9	10
Arterial	45,910	152,169	75,269	135,674	144,711	99,385	1,444	81,462	66,739	96,957
Collector	43,070	165,686	48,994	23,339	86,982	46,070	128,523	188,674	208,791	137,243
Freeway	(52,235)	(54,060)	27,033	22,719	(10,180)	7,828	(56,528)	(50,965)	44,037	-
Available Capacity N/S	36,745	263,795	151,296	181,732	221,513	153,283	73,439	219,171	319,567	234,200
Total Available Capacity	491,079	349,517	326,532	232,169	343,248	350,527	184,758	541,014	524,095	470,592
2030 Roadway Projects Cost (\$Millions 2010)	\$27.045	\$40.140	\$39.510	\$23.810	\$6.110	\$54.340	Transit Project	\$27.045	Transit Project	CBD Assessment

Projects Recommended for the 10-Year CIE				
Mobility Zone	Roadway	Segment Limits	Proposed Improvement	Cost
1	PHILIPS HWY	I-95 TO BAYMEADOWS RD	WIDEN 4 TO 6 LANES	\$ 27,045,000
2	SOUTHSIDE BLVD	J TURNER BUTLER BLVD TO BEACH BLVD	WIDEN 4 TO 6 LANES	\$ 40,140,000
3	NEW BERLIN RD	PULASKI RD TO CEDAR POINT RD	WIDEN 2 TO 4 LANES	\$ 39,510,000
4	DUNN AVE	NEW KINGS RD TO I-295	WIDEN 2 TO 4 LANES	\$ 23,810,000
5	TROUT RIVER BLVD	OLD KINGS RD TO NEW KINGS RD	WIDEN 2 TO 4 LANES	\$ 6,110,000
6	NORMANDY BLVD	103RD ST TO I-295	WIDEN 4 TO 6 LANES	\$ 54,340,000
7	STREET CARS (TRANSIT)	DOWNTOWN RIVERSIDE (KING ST)		\$ -
8	PHILIPS HWY	I-95 TO BAYMEADOWS RD	WIDEN 4 TO 6 LANES	\$ 27,045,000
9	COMMUTER RAIL (TRANSIT)	DOWNTOWN TO AVENUES WALK/MALL	COMMUTER RAIL	\$ -
10	CBD			\$ -
Total				\$ 218,000,000

Table E-2: Transit Mode Project Summary

Mobility Zones	Transit Corridor	From	To	Project Description	Length (Miles)	Total Cost in \$2010 (Million)	City of Jacksonville Mobility Plan Contribution	Total Cost in \$2010 (Million)
3/4/8/10	Commuter Rail North	Downtown Jacksonville	Airport Center Drive	Limited Service (CSX)	12.6	\$125.0	25% Local Match	\$31.25
1/9/10	Commuter Rail Southeast	Downtown Jacksonville	Avenues Walk / Mall	Limited Service (FEC)	13.3	\$80.0	25% Local Match	\$20.00
7/8/10	Commuter Rail Southwest	Downtown Jacksonville	I-295	Limited Service (CSX)	11.9	\$117.0	25% Local Match	\$29.25
7/10	Streetcar West	Downtown Jacksonville	Five Points	High Frequency Service	2.5	\$36.0	Fully Funded	\$36.00
7	Streetcar West Phase 2	Five Points	Riverside (King Street)	High Frequency Service	1.0	\$14.0	Fully Funded	\$14.00
9/10	Streetcar North	Downtown Jacksonville	8th Street (Shands Jacksonville)	High Frequency Service	1.5	\$21.0	Fully Funded	\$21.00
Total					42.8	\$393.0		\$151.50

Source: North Florida TPO - 2035 LRTP

Table E-3: Summary of Project Costs by Mode and Mobility Fee Calculations

Project Mode Description	Cost \$2010
Roadway Improvement Cost:	\$ 218,000,000.00
CBD Improvement Cost:	\$ 30,306,895.00
Transit Improvement Cost:	\$ 151,500,000.00
Bicycle Improvement Cost:	\$ 36,350,000.00
Pedestrian Improvement Cost:	\$ 13,510,000.00
Total Improvement Cost:	\$ 449,666,895.00
Balance brought forward From 2008 Improvements	\$ 5,226,950.00
Total Mobility Fee Assessment	\$ 444,439,945.00

Mobility Fee Calculations Using VMT Generated by Development in COJ	
2008 COJ Development VMT in COJ	42,962,640
2030 COJ Development VMT in COJ	61,379,191
Change in VMT	18,416,551
Cost per Vehicle Mile Traveled in 2010 Dollars (\$444.44/18.417)	\$ 24.13

Table E-4: Mobility Score by Mobility Zone

Existing (2008-2009) Conditions

Mobility Zone	Auto/Truck Mode		Transit Mode		Bicycle Mode		Pedestrian Mode		Weighted Score	Weighted LOS "Grade"
	Score	% Weight	Score	% Weight	Score	% Weight	Score	% Weight		
1	2.65	60%	0.18	10%	2.53	15%	1.92	15%	2.28	D
2	3.03	60%	1.35	10%	2.68	15%	2.16	15%	2.68	D
3	3.64	80%	0.01	5%	2.76	10%	1.62	5%	3.27	C
4	3.47	80%	0.17	5%	2.62	10%	1.83	5%	3.14	C
5	3.57	80%	0.06	5%	2.64	10%	1.74	5%	3.21	C
6	3.34	80%	0.04	5%	2.59	10%	1.86	5%	3.03	C
7	2.75	25%	0.50	25%	2.06	25%	2.30	25%	1.90	E
8	3.16	25%	0.93	25%	2.32	25%	2.51	25%	2.23	D
9	2.54	25%	0.95	25%	2.11	25%	2.21	25%	1.95	E
10	2.75	20%	2.16	30%	2.46	20%	2.85	30%	2.55	D
Average	3.09		0.635		2.477		2.1		2.62	D

Future (2030) Conditions

Mobility Zone	Auto/Truck Mode		Transit Mode		Bicycle Mode		Pedestrian Mode		Weighted Score	Weighted LOS "Grade"
	Score	% Weight	Score	% Weight	Score	% Weight	Score	% Weight		
1	1.68	60%	0.72	10%	2.41	15%	1.71	15%	1.70	E
2	1.78	60%	1.17	10%	2.69	15%	1.76	15%	1.85	E
3	2.56	80%	0.23	5%	2.4	10%	1.23	5%	2.36	D
4	2.29	80%	0.51	5%	2.43	10%	1.24	5%	2.16	D
5	2.13	80%	0.06	5%	2.12	10%	1.18	5%	1.98	E
6	2.36	80%	0.06	5%	2.62	10%	1.40	5%	2.22	D
7	1.39	25%	1.44	25%	1.73	25%	1.93	25%	1.62	E
8	2.09	25%	2.34	25%	1.92	25%	2.05	25%	2.10	D
9	1.99	25%	1.95	25%	1.91	25%	1.85	25%	1.93	E
10	2.02	20%	2.65	30%	1.96	20%	2.52	30%	2.35	D
Average	2.03		1.11		2.22		1.69		2.03	D

LEGEND:

LOS "B" = 4 (4.00; LOS "A" Not Attainable in FDOT 2009 Quality/Level of Service Handbook)

LOS "C" = 3 (3.00 to 3.99)

LOS "D" = 2 (2.00 to 2.99)

LOS "E" = 1 (1.00 to 1.99)

LOS "F" = 0 (0.00 to 0.99)

NOTES:

1. Auto/Truck Mode Scores Include All 2030 Links; All Other Modes Exclude Freeways and Expressways From Calculations.
2. All Mode Scores Weighted by Link Length; Auto/Truck Mode Scores Also Weighted by Number of Directional Lanes.
3. City of Jacksonville CIE Prioritized Roadway Projects (\$218,000,000) Included in Auto/Truck Mode Scores.
4. Transit Mode Scores Assume JTA Bus Frequency Increases by 1 Bus Per Hour on Links with Bus Service in Mobility Zones 7, 8, 9 & 10 to Account for Change in Local Bus Service Associated With Introduction of Rapid Transit Corridors (BRT, Commuter Rail & Street Car).
5. Table E- Includes increased Transit Frequency in Zones 7, 8, 9 & 10.