

NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting

Alt A1: 4 Lane Modified CPP

Alt A2: 6 Lane Modified CPP

2040 D1RPM Model Volumes

US 27				
From	To	No Build	Alt A1	Alt A2
SR 60	SR 540	58,566	64,290	64,599
SR 540	SR 542	54,332	35,760	32,505
SR 542	SR 544	57,701	35,360	31,597
SR 544	US 17/92	77,497	51,168	46,709
US 17/92	CR 547	83,809	67,477	64,634
CR 547	I-4	89,775	75,977	74,756
I-4	Dean Still Rd	79,054	73,275	72,364
Dean Still Rd	Lake Co	74,312	70,353	70,382
US 17				
From	To	No Build	Alt A1	Alt A2
Old Dixie Hwy	US 27	37,375	35,299	35,362
US 27	SR 17	40,176	29,485	28,446
SR 17	Crestview Ct	26,073	17,204	16,399
Crestview Ct	CR 547	31,257	19,160	17,792
CR 547	Poincianna Pkwy	26,074	32,450	35,508
Modified CPP				
From	To	No Build	Alt A1	Alt A2
US 27	SR 540		34,204	37,656
SR 540	SR 542		54,549	60,697
SR 542	SR 544		66,937	77,087
SR 544	CR 580		80,811	92,669
CR 580	CR 547		84,430	96,460
CR 547	US 17 Access at Ernie Caldwell Blvd		90,405	104,521
US 17 Access at Ernie Caldwell Blvd	US 17 Access at Ronald Reagan Pkwy		81,914	89,919
US 17 Access at Ronald Reagan Pkwy	Poinciana Pkwy Ext		48,026	48,865

*D1RPM volumes presented in PSWADT. Segment volumes equal the average of link volumes within each segment.

NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt B: Powerline Road Extension

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt B
SR 60	SR 540	58,566	55,871
SR 540	SR 542	54,332	48,112
SR 542	SR 544	57,701	50,470
SR 544	US 17/92	77,497	67,554
US 17/92	CR 547	83,809	75,320
CR 547	I-4	89,775	83,884
I-4	Dean Still Rd	79,054	77,653
Dean Still Rd	Lake Co	74,312	74,661
US 17			
From	To	No Build	Alt B
Old Dixie Hwy	US 27	37,375	37,151
US 27	SR 17	40,176	37,200
SR 17	Crestview Ct	26,073	22,456
Crestview Ct	CR 547	31,257	25,343
CR 547	Poincianna Pkwy	26,074	44,016
Powerline Rd			
From	To	No Build	Alt B
SR 540	SR 544		31,892
SR 544	Hinson Ave		38,246
Hinson Ave	South Blvd	9274	48,548
South Blvd	US 17		50,752

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt C: N/S Davenport Connector

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt C
SR 60	SR 540	58,566	58,557
SR 540	SR 542	54,332	54,168
SR 542	SR 544	57,701	57,360
SR 544	US 17/92	77,497	77,153
US 17/92	CR 547	83,809	81,986
CR 547	I-4	89,775	89,473
I-4	Dean Still Rd	79,054	78,467
Dean Still Rd	Lake Co	74,312	74,830
US 17			
From	To	No Build	Alt C
Old Dixie Hwy	US 27	37,375	37,230
US 27	SR 17	40,176	40,521
SR 17	Crestview Ct	26,073	25,723
Crestview Ct	CR 547	31,257	28,464
CR 547	Poincianna Pkwy	26,074	27,030
Davenport Connector			
From	To	No Build	Alt C
CR 580	US 17/92		25,282

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt D1: CR 580 / Southport Connector Extension

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt D1
SR 60	SR 540	58,566	59,024
SR 540	SR 542	54,332	55,275
SR 542	SR 544	57,701	58,752
SR 544	US 17/92	77,497	80,967
US 17/92	CR 547	83,809	82,134
CR 547	I-4	89,775	89,365
I-4	Dean Still Rd	79,054	78,492
Dean Still Rd	Lake Co	74,312	74,490
US 17			
From	To	No Build	Alt D1
Old Dixie Hwy	US 27	37,375	39,275
US 27	SR 17	40,176	50,487
SR 17	Crestview Ct	26,073	25,995
Crestview Ct	CR 547	31,257	30,072
CR 547	Poincianna Pkwy	26,074	24,984
CR 580			
From	To	No Build	Alt D1
US 17/92	Powerline Rd	13612	45133
Powerline Rd	Poincianna Pkwy	24040	44743

*D1RPM volumes presented in PSWADT. Segment volumes equal the average of link volumes within each segment.

NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt D2: CR 580 / Southport Connector Extension (w/ Powerline Rd Ext)

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt D2
SR 60	SR 540	58,566	56,559
SR 540	SR 542	54,332	52,174
SR 542	SR 544	57,701	48,774
SR 544	US 17/92	77,497	65,460
US 17/92	CR 547	83,809	77,362
CR 547	I-4	89,775	84,576
I-4	Dean Still Rd	79,054	76,911
Dean Still Rd	Lake Co	74,312	74,660
US 17			
From	To	No Build	Alt D2
Old Dixie Hwy	US 27	37,375	37,297
US 27	SR 17	40,176	33,082
SR 17	Crestview Ct	26,073	20,579
Crestview Ct	CR 547	31,257	20,619
CR 547	Poincianna Pkwy	26,074	43,349
CR 580			
From	To	No Build	Alt D2
Powerline Rd	Poincianna Pkwy	24,040	61,284
Powerline Rd			
From	To	No Build	Alt D2
SR 540	SR 544		31,126
SR 544	Hinson Ave		52,005
Hinson Ave	South Blvd	9274	55,361
South Blvd	US 17		51,009

*D1RPM volumes presented in PSWADT. Segment volumes equal the average of link volumes within each segment.

NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt E: US 27 Reliever & CR 580 / Southport Connector Ext

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt E
SR 60	SR 540	58,566	64,836
SR 540	SR 542	54,332	32,758
SR 542	SR 544	57,701	31,671
SR 544	US 17/92	77,497	46,741
US 17/92	CR 547	83,809	64,060
CR 547	I-4	89,775	74,524
I-4	Dean Still Rd	79,054	72,292
Dean Still Rd	Lake Co	74,312	70,353
US 17			
From	To	No Build	Alt E
Old Dixie Hwy	US 27	37,375	35,467
US 27	SR 17	40,176	28,727
SR 17	Crestview Ct	26,073	16,146
Crestview Ct	CR 547	31,257	17,664
CR 547	Poincianna Pkwy	26,074	35,694
CR 580			
From	To	No Build	Alt E
Modified CPP	Poincianna Pkwy	24,040	46,465
Modified CPP			
From	To	No Build	Alt E
US 27	SR 540		38,238
SR 540	SR 542		61,697
SR 542	SR 544		81,196
SR 544	CR 580		103,418
CR 580	CR 547		103,113
CR 547	US 17 Access at Ernie Caldwell Blvd		106,643
US 17 Access at Ernie Caldwell Blvd	US 17 Access at Ronald Reagan Pkwy		90,848
US 17 Access at Ronald Reagan Pkwy	Poinciana Pkwy Ext		49,387

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt F: US 27 Parallel Roads

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt F
SR 60	SR 540	58,566	58,801
SR 540	SR 542	54,332	54,550
SR 542	SR 544	57,701	58,025
SR 544	US 17/92	77,497	78,037
US 17/92	CR 547	83,809	86,966
CR 547	I-4	89,775	85,668
I-4	Dean Still Rd	79,054	75,357
Dean Still Rd	Lake Co	74,312	74,257
US 17			
From	To	No Build	Alt F
Old Dixie Hwy	US 27	37,375	37,232
US 27	SR 17	40,176	39,807
SR 17	Crestview Ct	26,073	26,072
Crestview Ct	CR 547	31,257	31,251
CR 547	Poincianna Pkwy	26,074	24,676
Holly Hill Rd/Grand View Pkwy			
From	To	No Build	Alt F
CR 547	Ernie Caldwell Blvd		15844
Ernie Caldwell Blvd	Waverly Barn Rd		14020
North Ridge Trail			
From	To	No Build	Alt F
Holly Hill Cutoff Rd	Home Run Blvd		10550
Home Run Blvd	Dean Still Rd		4687

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt G: North Ridge Trail

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt G
SR 60	SR 540	58,566	58,498
SR 540	SR 542	54,332	54,297
SR 542	SR 544	57,701	57,658
SR 544	US 17/92	77,497	77,455
US 17/92	CR 547	83,809	83,859
CR 547	I-4	89,775	89,791
I-4	Dean Still Rd	79,054	78,874
Dean Still Rd	Lake Co	74,312	69,267
US 17			
From	To	No Build	Alt G
Old Dixie Hwy	US 27	37,375	34,349
US 27	SR 17	40,176	40,385
SR 17	Crestview Ct	26,073	25,783
Crestview Ct	CR 547	31,257	31,240
CR 547	Poincianna Pkwy	26,074	25,941
From	To	No Build	Alt G
Dean Still Rd	Sand Mine Rd		6542

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting

Alt H: Dean Still Rd / Old Grade Rd

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt H
SR 60	SR 540	58,566	58,619
SR 540	SR 542	54,332	54,406
SR 542	SR 544	57,701	57,742
SR 544	US 17/92	77,497	77,203
US 17/92	CR 547	83,809	82,994
CR 547	I-4	89,775	89,658
I-4	Dean Still Rd	79,054	77,911
Dean Still Rd	Lake Co	74,312	74,553
US 17			
From	To	No Build	Alt H
Old Dixie Hwy	US 27	37,375	37,239
US 27	SR 17	40,176	40,254
SR 17	Crestview Ct	26,073	26,002
Crestview Ct	CR 547	31,257	31,169
CR 547	Poincianna Pkwy	26,074	25,967
Dean Still Rd			
From	To	No Build	Alt H
Old Grade Rd	US 27	4884	8794
Old Grade Rd			
From	To	No Build	Alt H
I-4	Dean Still Rd	2882	6302

*D1RPM volumes presented in PSWADT. Segment volumes equal the average of link volumes within each segment.

NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt I: CR 547 Extension

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt I
SR 60	SR 540	58,566	58,779
SR 540	SR 542	54,332	54,663
SR 542	SR 544	57,701	58,008
SR 544	US 17/92	77,497	77,490
US 17/92	CR 547	83,809	86,162
CR 547	I-4	89,775	87,866
I-4	Dean Still Rd	79,054	79,169
Dean Still Rd	Lake Co	74,312	74,506
US 17			
From	To	No Build	Alt I
Old Dixie Hwy	US 27	37,375	36,390
US 27	SR 17	40,176	36,510
SR 17	Crestview Ct	26,073	24,333
Crestview Ct	CR 547	31,257	27,645
CR 547	Poincianna Pkwy	26,074	26,177
Old Polk City Rd			
From	To	No Build	Alt I
CR 557	US 27		14,494
CR 547			
From	To	No Build	Alt I
US 27	US 19/92		32,942

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt J: US 17/92 Widening

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt J
SR 60	SR 540	58,566	59,331
SR 540	SR 542	54,332	55,355
SR 542	SR 544	57,701	58,772
SR 544	US 17/92	77,497	78,558
US 17/92	CR 547	83,809	77,850
CR 547	I-4	89,775	85,880
I-4	Dean Still Rd	79,054	77,691
Dean Still Rd	Lake Co	74,312	74,606
US 17			
From	To	No Build	Alt J
Old Dixie Hwy	US 27	37,375	37,356
US 27	SR 17	40,176	44,663
SR 17	Crestview Ct	26,073	40,851
Crestview Ct	CR 547	31,257	55,939
CR 547	Poincianna Pkwy	26,074	56,766

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NE Polk/US 27 Mobility Study - Build Alternatives Travel Demand Forecasting
Alt K: US 27 Widening

2040 D1RPM Model Volumes

US 27			
From	To	No Build	Alt K1
SR 60	SR 540	58,566	60,865
SR 540	SR 542	54,332	56,960
SR 542	SR 544	57,701	61,648
SR 544	US 17/92	77,497	84,495
US 17/92	CR 547	83,809	94,386
CR 547	I-4	89,775	103,399
I-4	Dean Still Rd	79,054	88,933
Dean Still Rd	Lake Co	74,312	79,896
US 17			
From	To	No Build	Alt K1
Old Dixie Hwy	US 27	37,375	37,076
US 27	SR 17	40,176	39,723
SR 17	Crestview Ct	26,073	25,542
Crestview Ct	CR 547	31,257	30,354
CR 547	Poincianna Pkwy	26,074	25,321

*D1RPM volumes presented in PSWADT. Segment volumes equal the average of link volumes within each segment.