

SR 50 from Brooksville Bypass/ SR 50A (eastern intersection) to Interstate 75 – FPID #430051-1

ETDM #13980

Purpose and Need Statement Tables

Table A. Current (2011) Traffic from the Hernando County MPO.

Station	Facility Name	From:	To:	Average Weekday Traffic Volume	Peak Hour Volume	Volume over Capacity Ratio	Capacity
SC-6	Cortez Blvd (SR 50, US 98)	Jefferson St. (SR 50A)	Cedar Lane	28,200	2,704	0.65	4,190
S-19	Cortez Blvd (SR 50, US 98)	Cedar Lane	Spring Lake Hwy (CR 541)	19,900	1,908	0.46	4,190
SC-7	Cortez Blvd (SR 50, US 98)	Spring Lake Hwy (CR 541)	Lockhart Rd	26,000	2,493	0.60	4,190
S-46	Cortez Blvd (SR 50, US 98)	Lockhart Rd	I-75	16,800	1,611	0.51	3,150

Table B. SR 50 Projected 2035 Traffic Volumes and 4-lane facility LOS.

Roadway	Segment From:	Segment To:	AADT LOS Std. & Max Service Volume	2035 Projected Traffic Volume 4-lane	2035 AADT LOS
SR 50	Brooksville Bypass /SR 50A	Mondon Hill Road	4-lane: (C) 34,000	41,060	F
SR 50	Mondon Hill Road	Lockhart Road	4-lane: (C) 34,000	54,080	F
SR 50	Lockhart Road	Interstate 75	4-lane: (C) 34,000	70,540	F

Source: Tampa Bay Regional Planning Model volumes with FDOT model output conversion factor applied.

Table C. SR 50 Projected 2035 Traffic Volumes and 6-lane facility LOS.

Roadway	Segment From:	Segment To:	AADT LOS Std. & Max Service Volume	2035 Projected Traffic Volume 6-lane	2035 AADT LOS
SR 50	Brooksville Bypass/ SR 50A	Mondon Hill Road	6-lane: (C) 52,100	41,060	C
SR 50	Mondon Hill Road	Lockhart Road	6-lane: (C) 52,100	54,080	F
SR 50	Lockhart Road	Interstate 75	6-lane: (C) 52,100	70,540	F

Source: Tampa Bay Regional Planning Model volumes with FDOT model output conversion factor applied.

Table D. SR 50 Improvements listed in the CCC 2035 LRTP Cost Feasible Plan.

Segment	Improvement	Timeframe
I-75 (SR 93) to Kettering Road	Widen to 6 lanes	2021-2025
Mariner Blvd to S. Suncoast Pkwy. Ramp	Widen to 6 lanes	2026-2030
McKethan Rd. to Treiman Blvd.	Widen to 4 lanes	2031-2035
US 19 to Suncoast Pkwy.	Frontage Roads	2031-2035

Source: CCC LRTP Cost Feasible Plan.

Table E. Safety Ratios for SR 50 Segments.

Segment	Safety Ratios						Statewide Average
	2007	2008	2009	2010	2011	Avg.	
SR 50 - Jasmine Dr. / E Jefferson St. to Mondon Hill Rd. / CR 541	0.743	0.677	0.678	0.572	0.324	0.599	0.571
SR 50 - Mondon Hill Rd. / CR 541 to I-75	0.341	0.601	0.675	0.754	0.51	0.576	0.571

Source: 2007-2011 FDOT Crash Data.