

Roadway Segment Transportation Mitigation Analysis

SantaFe Village DRI

Preliminary Opinion of Probable Costs (Proportionate Share Calculations) for Mitigating Identified Deficiencies

Link No.	Roadway	Segment	Class ¹	Length (mi)* (A)	Improvement Description	Existing Service Volume ² (B)	Service Volume with Improvement ² (C)	Increased Service Volume (D)	Project Traffic (E)	% Proportionate Share (F)	2009 FDOT Construction Unit Cost Per Mile (G)	Project Construction Cost (H)	Inflation Cost (Est. to 2010) (I)	Right-of-Way Cost (J)	Design Cost (K)	PD&E Cost (L)	CIE Cost (M)	Total Costs (N)	Proportionate Share Costs (O)	
								D = C - B		F = E / D		H = A x G	I = H x (1 + 3%)	J = H x 27%	K = H x 20%	L = H x 10%	M = H x 5%	N = I + J + K + L + M	O = F x N	
NW 39th Avenue																				
S-29 (A)	NW 39th Avenue	NW 98th Street to I-75 SB Ramps	Urban Class II	0.22	Widen 4L to 6L	3,110	4,680	1,570	139	8.9%	\$4,522,407	\$994,930	\$1,024,777	\$268,631	\$198,986	\$99,493	\$49,746	\$1,641,634	\$145,342	
S-29 (B)	NW 39th Avenue	I-75 SB Ramps to I-75 NB Ramps	Urban Class II	0.23	Widen 4L to 6L	3,110	4,680	1,570	524	33.4%	\$4,522,407	\$1,040,154	\$1,071,358	\$280,841	\$208,031	\$104,015	\$52,008	\$1,716,254	\$572,813	
S-29 (C)	NW 39th Avenue	I-75 NB Ramps to NW 92nd Court	Urban Class II	0.18	Widen 4L to 6L	3,110	4,680	1,570	891	56.8%	\$4,522,407	\$814,033	\$838,454	\$219,789	\$162,807	\$81,403	\$40,702	\$1,343,155	\$762,262	
S-29 (D)	NW 39th Avenue	NW 92nd Court to NW 91st Street	Urban Class II	0.17	Widen 4L to 6L	3,110	4,680	1,570	891	56.8%	\$4,522,407	\$768,809	\$791,873	\$207,578	\$153,762	\$76,881	\$38,440	\$1,268,535	\$719,914	
S-29 (E)	NW 39th Avenue	NW 91st Street to NW 83rd Street	Urban Class II	0.53	Widen 4L to 6L	3,110	4,680	1,570	698	44.5%	\$4,522,407	\$2,396,876	\$2,468,782	\$647,156	\$479,375	\$239,688	\$119,844	\$3,954,845	\$1,758,269	
S-53 (A)	NW 39th Avenue	NW 51st Street to NW 43rd Street	Urban Class I	0.51	Widen 4L to 6L	3,390	5,080	1,690	560	33.1%	\$4,522,407	\$2,306,428	\$2,375,620	\$622,735	\$461,286	\$230,643	\$115,321	\$3,805,606	\$1,261,029	
S-53 (B)	NW 39th Avenue	NW 43rd Street to NW 34th Street	Urban Class I	1.00	Widen 4L to 6L	3,390	5,080	1,690	333	19.7%	\$4,522,407	\$4,522,407	\$4,658,079	\$1,221,050	\$904,481	\$452,241	\$226,120	\$7,461,972	\$1,470,318	
S-53 (C)	NW 39th Avenue	NW 34th Street to NW 29th Terrace	Urban Class I	0.38	Widen 4L to 6L	3,390	5,080	1,690	193	11.4%	\$4,522,407	\$1,718,515	\$1,770,070	\$463,999	\$343,703	\$171,851	\$85,926	\$2,835,549	\$323,823	
S-53 (D)	NW 39th Avenue	NW 29th Terrace to NW 24th Boulevard	Urban Class I	0.46	Widen 4L to 6L	3,390	5,080	1,690	191	11.3%	\$4,522,407	\$2,080,307	\$2,142,717	\$561,683	\$416,061	\$208,031	\$104,015	\$3,432,507	\$387,934	
S-53 (E)	NW 39th Avenue	NW 24th Boulevard to NW 19th Street	Urban Class I	0.66	Widen 4L to 6L	3,390	5,080	1,690	171	10.1%	\$4,522,407	\$2,984,789	\$3,074,332	\$805,893	\$596,958	\$298,479	\$149,239	\$4,924,901	\$498,318	
S-53 (F)	NW 39th Avenue	NW 19th Street to NW 13th Street	Urban Class I	0.50	Widen 4L to 6L	3,390	5,080	1,690	171	10.1%	\$4,522,407	\$2,261,204	\$2,329,040	\$610,525	\$452,241	\$226,120	\$113,060	\$3,730,986	\$377,514	
Interstate 75																				
S-43	Interstate 75	Newberry Road to NW 39th Avenue	Freeway	2.62	Widen 6L to 8L	8,270	11,180	2,910	520	17.9%	\$4,466,999	\$11,703,537	\$12,054,643	\$3,159,955	\$2,340,707	\$1,170,354	\$585,177	\$19,310,836	\$3,450,733	
NW 83rd Street																				
A-23 (A)	NW 83rd Street	NW 23rd Avenue to South Road	Urban / Maj. County	0.25	Widen 2L to 4L	1,390	2,950	1,560	306	19.6%	\$4,939,337	\$1,234,834	\$1,271,879	\$333,405	\$246,967	\$123,483	\$61,742	\$2,037,477	\$399,659	
A-23 (B)	NW 83rd Street	South Road to North Road	Urban / Maj. County	0.36	Widen 2L to 4L	1,390	2,950	1,560	356	22.8%	\$4,939,337	\$1,778,161	\$1,831,506	\$480,104	\$355,632	\$177,816	\$88,908	\$2,933,966	\$669,546	
A-23 (C)	NW 83rd Street	North Road to NW 39th Avenue	Urban / Maj. County	0.39	Widen 2L to 4L	1,390	2,950	1,560	405	26.0%	\$4,939,337	\$1,926,341	\$1,984,132	\$520,112	\$385,268	\$192,634	\$96,317	\$3,178,463	\$825,178	
NW 43rd Street																				
A-3 (A)	NW 43rd Street	Newberry to NW 8th Avenue	Urban Class II	0.27	Widen 4L to 6L	3,110	4,680	1,570	123	7.8%	\$4,522,407	\$1,221,050	\$1,257,681	\$329,683	\$244,210	\$122,105	\$61,052	\$2,014,732	\$157,842	
A-3 (B)	NW 43rd Street	NW 8th Avenue to NW 23rd Avenue	Urban Class II	1.00	Widen 4L to 6L	3,110	4,680	1,570	123	7.8%	\$4,522,407	\$4,522,407	\$4,658,079	\$1,221,050	\$904,481	\$452,241	\$226,120	\$7,461,972	\$584,600	
A-3 (C)	NW 43rd Street	NW 23rd Avenue to NW 25th Place	Urban Class II	0.18	Widen 4L to 6L	3,110	4,680	1,570	25	1.6%	\$4,522,407	\$814,033	\$838,454	\$219,789	\$162,807	\$81,403	\$40,702	\$1,343,155	\$21,388	
A-3 (D)	NW 43rd Street	NW 25th Place to NW 28th Lane	Urban Class II	0.20	Widen 4L to 6L	3,110	4,680	1,570	26	1.7%	\$4,522,407	\$904,481	\$931,616	\$244,210	\$180,896	\$90,448	\$45,224	\$1,492,394	\$24,715	
A-3 (E)	NW 43rd Street	NW 28th Lane to NW 39th Avenue	Urban Class II	0.63	Widen 4L to 6L	3,110	4,680	1,570	26	1.7%	\$4,522,407	\$2,849,117	\$2,934,590	\$769,261	\$569,823	\$284,912	\$142,456	\$4,701,042	\$77,852	
A-3 (F)	NW 43rd Street	NW 39th Avenue to NW 51st Place	Urban Class II	0.84	Widen 4L to 6L	3,110	4,680	1,570	153	9.7%	\$4,522,407	\$3,798,822	\$3,912,787	\$1,025,682	\$759,764	\$379,882	\$189,941	\$6,268,056	\$610,836	
A-3 (G)	NW 43rd Street	NW 51st Place to NW 53rd Avenue	Urban Class II	0.16	Widen 4L to 6L	3,110	4,680	1,570	113	7.2%	\$4,522,407	\$723,585	\$745,293	\$195,368	\$144,717	\$72,359	\$36,179	\$1,193,915	\$85,931	
												Totals	\$53,364,820	\$54,965,764	\$14,408,501	\$10,872,964	\$5,336,482	\$2,668,241	\$88,051,953	\$15,185,817

Notes:

- Roadway class based on information contained in the Metropolitan Transportation Planning Organization's Multimodal Level of Service Report (March 5, 2009)
- For the purposes of estimating the increased service volume, FDOT's 2007 generalized level of service tables were used.