

# Appendix D

## PIMA COUNTY DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING DIVISION

ROADWAY SEGMENTS >10,000 VPD  
ORDERED ALPHABETICALLY

Roadway Segment	From	To	Len	Vol	3 Year Period January 2013 - December 2015					1 Year Period January 2015 - December 2015				
					Crash Freq # / mile	Rate	SI	PI	PI Rank	Crash Freq # / mile	Rate	SI	PI	PI Rank
1ST AV	RIVER RD	RUDASILL RD	1.4	28742	9.29	0.30	1.15	298	113	5.00	0.48	1.14	210	85
1ST AV	RUDASILL RD	ORANGE GROVE RD	0.5	26068	18.00	0.63	1.44	234	88	10.00	1.05	1.20	169	59
1ST AV	ORANGE GROVE RD	INA RD	1.0	12889	9.00	0.64	1.56	216	81	4.00	0.85	1.75	142	49
AJO WY	COUNTRY CLUB RD	PALO VERDE RD	0.5	26939	22.00	0.75	1.18	255	100	4.00	0.41	1.00	282	107
AJO WY	PALO VERDE RD	ALVERNON WY	0.4	24004	20.00	0.76	1.13	281	110	5.00	0.57	1.00	266	103
ALVERNON WY	LOS REALES RD (1.0 S)	CORONA RD	1.3	14139	7.69	0.50	1.68	210	77	3.08	0.60	1.25	207	84
ALVERNON WY	DREXEL RD (.5 S)	IRVINGTON RD	1.5	25789	8.67	0.31	1.31	261	105	3.33	0.35	1.40	195	75
ALVERNON WY	IRVINGTON RD	AJO WY (.24 N)	1.0	47784	48.00	0.92	1.35	120	30	20.00	1.15	1.25	99	24
AVIATION PW	GOLF LINKS RD	ALVERNON WY	0.6	20729	28.33	1.25	1.24	176	60	8.33	1.10	1.00	183	66
CAMPBELL AV	RIVER RD	CAMINO LUZ	0.8	12510	12.50	0.91	1.10	257	102	7.50	1.64	1.17	136	42
CAMPBELL AV	CAMINO LUZ	CAMINO MIRAVAL	0.8	12270	8.75	0.65	1.14	302	115	2.50	0.56	1.00	267	104
CAMPBELL AV	CAMINO MIRAVAL	SKYLINE DR	1.3	12285	12.31	0.91	1.13	223	85	3.85	0.86	1.00	198	77
CARDINAL AV	VALENCIA RD	BILBY RD	0.5	10784	40.00	3.39	1.20	143	41	16.00	4.06	1.00	120	37
CARDINAL AV	BILBY RD	DREXEL RD	0.5	10344	8.00	0.71	1.50	238	94	2.00	0.53	1.00	280	106
CATALINA HY	TANQUE VERDE RD (.3E)	HARRISON RD	0.7	11638	8.57	0.67	1.33	263	106	2.86	0.67	1.50	196	76
COLOSSAL CAVE RD	TROTTERS SISTERS DR (.21 W)	MARY ANN CLEVELAND WY	1.0	10637	18.00	1.55	1.28	147	44	6.00	1.55	1.17	140	47
CONTINENTAL RD	LA CANADA DR	I19	0.3	13316	13.33	0.91	2.00	174	59	*				
CONTINENTAL RD	I19	ABREGO DR	0.3	13223	10.00	0.69	1.00	321	120	6.67	1.38	1.00	211	87
CONTINENTAL RD	ABREGO DR	OLD TUCSON NOGALES HY	0.8	11414	8.75	0.70	1.00	304	116	*				
CORTARO FARMS RD	STAR GRASS DR	THORNYDALE RD	1.3	14645	42.31	2.64	1.25	93	13	13.85	2.59	1.33	53	9
CORTARO FARMS RD	THORNYDALE RD	SHANNON RD	0.9	18098	23.33	1.18	1.33	143	41	8.89	1.35	1.25	118	36
CRAYCROFT RD	RIVER RD	HEATHERWOOD WY	1.0	22647	14.00	0.56	1.63	189	66	3.00	0.36	1.33	224	92

\* No crashes during analysis period

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TRAFFIC ENGINEERING DIVISION**

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ORDERED ALPHABETICALLY

Roadway Segment	From	To	Len	Vol	3 Year Period					1 Year Period				
					January 2013 - December 2015					January 2015 - December 2015				
					Crash Freq # / mile	Rate	SI	PI	PI Rank	Crash Freq # / mile	Rate	SI	PI	PI Rank
CRAYCROFT RD	HEATHERWOOD WY	SUNRISE DR	1.4	21167	5.71	0.25	1.50	265	107	*				
DREXEL RD	WESTOVER AV	MISSION RD	0.5	12033	34.00	2.58	1.12	178	62	16.00	3.64	1.00	121	38
ESPERANZA BL	LA CANADA DR	I19	0.3	12553	20.00	1.46	1.17	237	93	3.33	0.73	1.00	263	99
FLOWING WELLS RD	ROGER RD	WETMORE RD	0.5	21602	18.00	0.76	1.22	248	98	6.00	0.76	1.00	234	95
FLOWING WELLS RD	WETMORE RD	MOHAWK DR (.12 N)	0.5	18553	40.00	1.97	2.12	53	1	18.00	2.66	2.51	32	1
HOUGHTON RD	SAHUARITA RD	CAMINO DEL EMPERADOR	1.1	12136	9.09	0.68	1.58	200	72	0.91	0.21	5.80	222	91
HOUGHTON RD	CAMINO DEL EMPERADOR	BREKKE RD (.5 N)	5.2	11752	5.96	0.46	1.54	163	53	1.92	0.45	1.30	169	59
HOUGHTON RD	S.P.R.R. (.5 S)	S.P.R.R. (.1 N)	0.6	15000	1.67	0.10	1.00	364	122	1.67	0.30	1.00	300	113
HOUGHTON RD	ESCALANTE RD	CORTE MADERA FINA (.04 S)	0.8	25000	10.00	0.37	1.73	235	89	2.50	0.27	3.40	206	83
INA RD	THORNYDALE RD (.3 E)	SHANNON RD	0.7	29138	81.43	2.55	1.50	57	3	17.14	1.61	1.57	62	10
INA RD	SHANNON RD	LA CHOLLA BL	1.0	36700	60.00	1.49	1.38	85	10	20.00	1.49	1.59	50	8
INA RD	LA CHOLLA BL	LA CANADA DR	1.0	30100	28.00	0.85	1.39	143	41	5.00	0.46	1.60	170	61
INA RD	LA CANADA DR	PASEO DEL NORTE	0.5	32283	44.00	1.24	1.72	90	12	10.00	0.85	1.60	135	41
INA RD	ORACLE RD	FIRST AV	1.0	41676	37.00	0.81	1.58	103	16	16.00	1.05	1.25	109	29
INA RD	1ST AV	SKYLINE DR	0.8	28290	11.25	0.36	2.07	212	78	2.50	0.24	1.00	296	110
IRVINGTON RD	COUNTRY CLUB RD	ALVERNON WY	0.9	13000	10.00	0.70	1.22	259	104	5.56	1.17	1.20	160	54
KINNEY RD	IRVINGTON RD	BOPP RD	1.2	14464	9.17	0.58	1.36	240	95	0.83	0.16	1.00	310	115
KOLB RD	CENTURY PARK DR (.5S)	CENTENNIAL DR (.06N)	1.0	15839	13.00	0.75	1.31	215	80	5.00	0.86	1.40	145	50
KOLB RD	VALENCIA RD	VALENCIA RD (.3 N)	0.4	46911	27.50	0.54	1.45	233	87	12.50	0.73	1.20	192	72
KOLB RD	SABINO CANYON RD	SNYDER RD	1.0	12618	14.00	1.01	1.29	189	66	3.00	0.65	1.33	198	77
LA CANADA DR	CONTINENTAL RD	ESPERANZA BL	1.3	10500	5.38	0.47	1.57	244	97	2.31	0.60	1.33	200	79
LA CANADA DR	ESPERANZA BL	DUVAL MINE RD (.1 S)	2.0	15118	9.00	0.54	1.44	201	73	2.00	0.36	1.75	188	69

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					Crash Freq # / mile	Rate	SI	PI	PI Rank	Crash Freq # / mile	Rate	SI	PI	PI Rank
LA CANADA DR	EDGEWATER DR (.06 S)	ORANGE GROVE RD	2.0	15909	15.00	0.86	1.27	159	51	7.50	1.29	1.27	97	23
LA CANADA DR	ORANGE GROVE RD	INA RD	1.0	18172	10.00	0.50	1.10	305	117	3.00	0.45	1.00	263	99
LA CANADA DR	INA RD	MAGEE RD	1.0	25351	20.00	0.72	1.73	135	35	7.00	0.76	1.83	117	35
LA CANADA DR	MAGEE RD	HARDY RD	1.0	28780	18.00	0.57	1.22	235	89	5.00	0.48	1.00	234	95
LA CANADA DR	HARDY RD	RANCHO FELIZ DR	0.9	26333	12.22	0.42	1.53	235	89	5.56	0.58	1.00	225	93
LA CHOLLA BL	RUTHRAUFF RD	RIVER RD	0.8	26500	13.75	0.47	1.80	195	69	6.25	0.65	2.36	137	44
LA CHOLLA BL	RIVER RD	RUDASILL RD	0.8	29612	28.75	0.89	1.59	118	29	8.75	0.81	1.69	116	32
LA CHOLLA BL	RUDASILL RD	ORANGE GROVE RD	0.5	23579	26.00	1.01	1.38	176	60	16.00	1.86	1.25	100	25
LA CHOLLA BL	ORANGE GROVE RD	INA RD	1.0	24377	13.00	0.49	1.89	180	63	6.00	0.67	1.17	190	71
LA CHOLLA BL	INA RD	MAGEE RD	0.7	20762	42.86	1.89	1.27	110	23	15.71	2.07	1.09	115	30
LA CHOLLA BL	MAGEE RD	OVERTON RD	1.8	14938	13.89	0.85	1.62	116	28	4.44	0.82	1.50	116	32
LINDA VISTA BL	CAMINO DE OESTE	THORNYDALE RD	1.0	12513	15.00	1.09	1.13	214	79	5.00	1.09	1.00	185	67
MAGEE RD	CORTARO FARMS RD	LA CHOLLA BL	1.4	20544	17.14	0.76	1.53	139	38	5.00	0.67	1.14	194	73
MAGEE RD	LA CHOLLA BL	LA CANADA DR	1.0	17361	18.00	0.95	2.14	98	15	6.00	0.95	2.30	100	25
MAGEE RD	LA CANADA DR	NORTHERN AV	1.0	15000	21.00	1.28	1.19	169	54	8.00	1.46	1.13	138	45
MARY ANN CLEVELAND WY	RED IRON TR (.1W)	COLOSSAL CAVE RD	1.6	10985	19.38	1.61	1.54	72	7	5.63	1.40	1.56	77	11
MISSION RD	DREXEL RD	IRVINGTON RD	0.8	21746	36.25	1.52	1.37	104	17	11.25	1.42	1.33	90	19
MISSION RD	IRVINGTON RD	MISSION PL (.03 N)	0.5	25496	36.00	1.29	1.17	181	64	12.00	1.29	1.17	150	52
NOGALES HY	LUMBER ST	OLD NOGALES HY	2.7	11979	12.59	0.96	1.77	72	7	5.93	1.36	1.85	47	7
NOGALES HY	OLD NOGALES HY	HUGHES ACCESS RD	1.0	18294	12.00	0.60	1.73	187	65	3.00	0.45	1.00	264	102
NOGALES HY	HERMANS RD	AERO PARK BL/VAMORI ST	0.4	16885	*					*				
NOGALES HY	AERO PARK BL/VAMORI ST	LOS REALES RD	0.6	20075	15.00	0.68	1.22	265	107	5.00	0.68	1.67	172	63

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ORANGE GROVE RD	THORNYDALE RD (.2 E)	SHANNON RD	0.8	24400	23.75	0.89	1.11	219	83	3.75	0.42	1.00	267	104
ORANGE GROVE RD	SHANNON RD	LA CHOLLA BL	1.0	23406	19.00	0.74	1.26	204	75	3.00	0.35	1.67	205	81
ORANGE GROVE RD	LA CHOLLA BL	LA CANADA DR	1.0	18084	15.00	0.76	1.59	162	52	6.00	0.91	1.33	136	42
ORANGE GROVE RD	LA CANADA DR	ORACLE RD	1.2	19036	39.17	1.88	1.48	67	5	11.67	1.68	1.90	36	3
ORANGE GROVE RD	ORACLE RD	FIRST AV	0.8	16469	18.75	1.04	1.20	204	75	10.00	1.66	1.25	104	28
ORANGE GROVE RD	1ST AV	SKYLINE DR	1.3	12161	13.85	1.04	1.76	105	19	4.62	1.04	1.97	100	25
PALO VERDE RD	DREXEL RD (.5 S)	DREXEL RD	0.5	16200	24.00	1.35	1.50	149	46	2.00	0.34	1.00	299	112
PALO VERDE RD	DREXEL RD	IRVINGTON RD (.3S)	0.7	19394	20.00	0.94	1.43	173	57	5.71	0.81	1.50	159	53
PALO VERDE RD	IRVINGTON RD (.2N)	AJO WY	0.8	25624	48.75	1.74	1.23	113	25	18.75	2.00	1.20	88	16
PALO VERDE RD	AJO WY	44TH ST	0.5	25248	46.00	1.66	1.59	76	9	24.00	2.60	1.65	44	5
PALO VERDE RD	44TH ST	33RD ST	1.0	33177	16.00	0.44	1.25	255	100	5.00	0.41	1.00	241	98
RIVER RD	SHANNON RD	LA CHOLLA BL	1.2	21644	19.17	0.81	1.51	139	38	3.33	0.42	1.50	194	73
RIVER RD	LA CHOLLA BL	LA CANADA DR	1.4	33000	43.57	1.21	1.28	114	26	12.86	1.07	1.43	83	15
RIVER RD	LA CANADA DR	ORACLE RD (.1 W)	0.9	33400	26.67	0.73	1.21	203	74	6.67	0.55	1.17	203	80
RIVER RD	1ST AV (.3 E)	CAMINO LUZ	0.6	43714	8.33	0.17	1.40	296	112	*				
RIVER RD	CAMPBELL AV	HACIENDA DEL SOL (.21 W)	0.5	38214	50.00	1.19	1.67	87	11	16.00	1.15	1.63	88	16
RIVER RD	HACIENDA DEL SOL RD	ALVERNON WY/RIVER RD	1.0	29629	26.00	0.80	1.57	126	32	9.00	0.83	1.33	122	39
RIVER RD	ALVERNON WY/RIVER RD	PONTATOC RD	0.8	12721	12.50	0.90	1.58	172	55	1.25	0.27	5.80	216	89
RIVER RD	PONTATOC RD	SWAN RD	0.9	12136	6.67	0.50	1.17	315	119	*				
RIVER RD	SWAN RD	CRAYCROFT RD	1.3	12470	20.77	1.52	1.29	124	31	2.31	0.51	1.33	210	85
RIVER RD	CRAYCROFT RD	TANURI DR	1.0	18054	9.00	0.46	1.22	289	111	2.00	0.30	1.00	290	108
RIVER RD	TANURI DR	SABINO CANYON RD	1.1	15672	24.55	1.43	1.30	128	34	9.09	1.59	1.30	95	22

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RUTHRAUFF RD	I10	HIGHWAY DR	0.1	27613	410.00	13.56	1.12	126	32	140.00	13.89	1.14	94	21
RUTHRAUFF RD	HIGHWAY DR	LA CHOLLA BL	0.9	24400	48.89	1.83	1.56	55	2	14.44	1.62	1.75	46	6
RUTHRAUFF RD	LA CHOLLA BL	OBETKA AV	1.0	22440	17.00	0.69	1.80	147	44	4.00	0.49	1.25	218	90
SABINO CANYON RD	TANQUE VERDE RD (.4 N)	CLOUD RD	0.9	21183	10.00	0.43	1.76	216	81	6.67	0.86	1.33	139	46
SABINO CANYON RD	CLOUD RD	RIVER RD	0.3	30366	20.00	0.60	1.17	305	117	13.33	1.20	1.25	164	56
SABINO CANYON RD	RIVER RD	KOLB RD	0.6	25458	3.33	0.12	3.40	243	96	*				
SABINO CANYON RD	KOLB RD	SNYDER RD	1.3	11612	11.54	0.91	1.65	141	40	3.08	0.73	1.50	168	58
SHANNON RD	INA RD	MAGEE RD	0.8	10924	22.50	1.88	1.22	149	46	5.00	1.25	1.25	162	55
SKYLINE DR	INA RD	ORANGE GROVE RD	1.0	31634	13.00	0.38	1.31	257	102	3.00	0.26	1.33	234	95
SKYLINE DR	ORANGE GROVE RD	CAMPBELL AV	0.5	44690	38.00	0.78	1.16	219	83	12.00	0.74	1.17	185	67
SKYLINE DR	CAMPBELL AV	SUNRISE DR	0.4	27549	50.00	1.66	1.49	107	21	10.00	0.99	1.00	205	81
SUNRISE DR	SKYLINE DR	PONTATOC DR	1.7	39582	17.06	0.39	1.17	236	92	3.53	0.24	1.17	230	94
SUNRISE DR	PONTATOC DR	SWAN RD	0.5	38777	56.00	1.32	1.46	104	17	16.00	1.13	1.85	80	13
SUNRISE DR	SWAN RD	CRAYCROFT RD	1.0	31318	43.00	1.25	1.32	111	24	9.00	0.79	1.11	171	62
SUNRISE DR	CRAYCROFT RD	KOLB RD	1.9	19611	16.32	0.76	1.78	96	14	6.84	0.96	1.15	141	48
SWAN RD	CALLE CHUECA (.23 S)	RIVER RD	0.7	26698	12.86	0.44	1.33	269	109	5.71	0.59	1.50	177	65
SWAN RD	RIVER RD	SUNRISE DR	2.0	23395	16.00	0.62	1.34	172	55	6.50	0.76	1.38	115	30
TANQUE VERDE RD	TANQUE VERDE ACRES RD	TOMAHAWK TR	1.1	13366	5.45	0.37	1.17	328	121	*				
TANQUE VERDE RD	WILLOW RANCH RD	CONESTOGA AV	0.7	10719	12.86	1.10	1.87	137	37	4.29	1.10	1.33	164	56
THORNYDALE RD	INA RD (.1 N)	MASSINGALE RD	0.4	27569	32.50	1.08	1.23	199	71	7.50	0.75	1.33	189	70
THORNYDALE RD	MASSINGALE RD	MAGEE RD	0.5	28311	46.00	1.48	1.77	70	6	22.00	2.13	2.42	32	1
THORNYDALE RD	MAGEE RD	CORTARO FARMS RD	0.5	20944	14.00	0.61	1.43	253	99	2.00	0.26	1.00	304	114

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THORNYDALE RD	CORTARO FARMS RD	OVERTON RD	1.0	19183	37.00	1.76	1.27	106	20	13.00	1.86	1.31	78	12
THORNYDALE RD	OVERTON RD	LINDA VISTA BL	0.5	18835	24.00	1.16	1.57	150	49	4.00	0.58	1.00	263	99
THORNYDALE RD	LINDA VISTA BL	LAMBERT LN	1.0	16623	29.00	1.59	1.21	136	36	10.00	1.65	1.30	91	20
VALENCIA RD	CAMINO VERDE	MARK RD	2.0	16170	20.00	1.13	1.35	114	26	10.50	1.78	1.19	88	16
VALENCIA RD	MARK RD	CAMINO DE OESTE	0.5	22098	16.00	0.66	1.13	299	114	4.00	0.50	1.50	211	87
VALENCIA RD	CAMINO DE OESTE	CABALLO RD	0.6	26236	21.67	0.75	1.83	149	46	11.67	1.22	2.11	81	14
VALENCIA RD	CABALLO RD	CAMINO DE LA TIERRA	0.9	26227	20.00	0.70	1.50	173	57	5.56	0.58	1.40	173	64
VALENCIA RD	CAMINO DE LA TIERRA	CARDINAL AV	0.5	34341	54.00	1.44	1.44	107	21	18.00	1.44	1.22	116	32
VALENCIA RD	CARDINAL AV	MISSION RD	0.7	37085	84.29	2.08	1.47	60	4	35.71	2.64	1.47	41	4
VALENCIA RD	ALVERNON WY	BENSON HY	1.0	20328	21.00	0.94	1.33	155	50	7.00	0.94	1.29	145	50
VALENCIA RD	WILMOT RD	KOLB RD	1.0	24712	16.00	0.59	1.55	192	68	2.00	0.22	1.00	297	111
WETMORE RD	OBETKA AV	FLOWING WELLS RD	0.3	23015	20.00	0.79	1.67	197	70	3.33	0.40	1.00	294	109
WETMORE RD	FLOWING WELLS RD	AUTO MALL DR/FAIRVIEW AV	0.5	24147	14.00	0.53	1.69	225	86	8.00	0.91	2.20	130	40

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### SYSTEM STATISTICS

	3-Year		1-Year	
<b>Total Segments:</b>		123		123
<b>Total Crashes:</b>		2351		767
<b>PDO Crashes:</b>		1653		546
<b>Injury Crashes:</b>		687		218
<b>Fatal Crashes:</b>		11		3
	CRASH RATE		SEVERITY RATE	
	3-Year	1-Year	3-Year	1-Year
<b>High</b>	13.56	13.89	3.40	5.80
<b>Low</b>	0.10	0.16	1.00	1.00
<b>Average</b>	1.07	1.10	1.44	1.44
<b>Standard Deviation</b>	1.27	1.38	0.30	0.70
<b>Variance</b>	1.61	1.91	0.09	0.49
<b>System Rate</b>	<b>0.90</b>	<b>0.88</b>	<b>1.42</b>	<b>1.41</b>

\* No crashes during analysis period