

# SafetyAnalyst SPFs – Roadway Segments

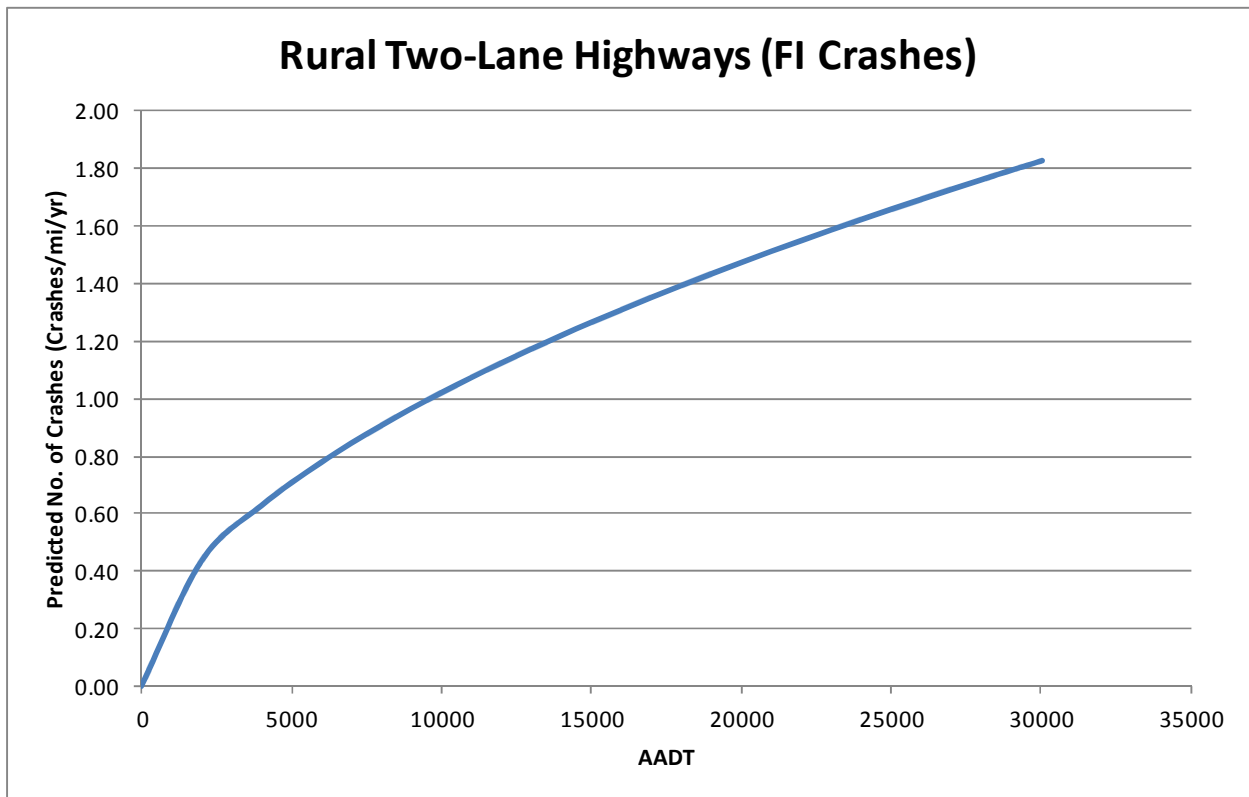
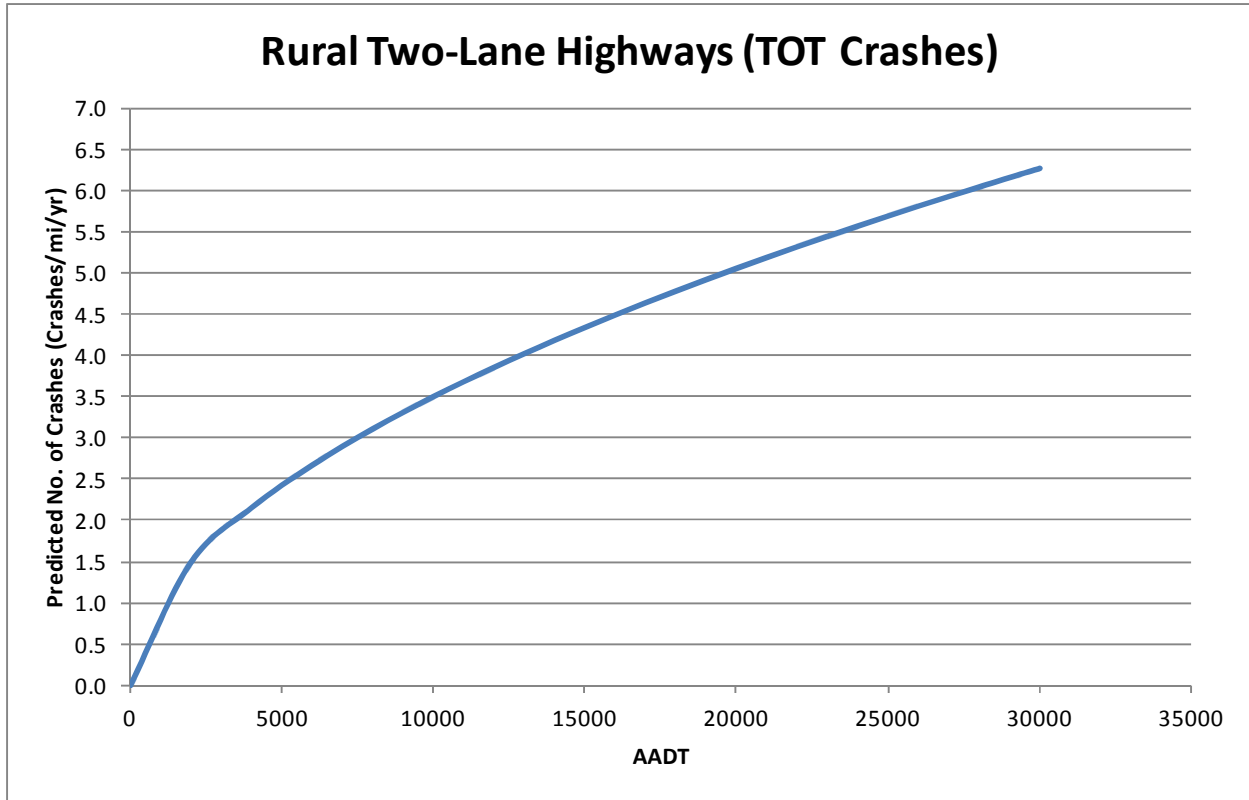
## SPFs for Roadway Segments (SPFs for Total Accidents)

Site Subtype Code	Site Subtype Description	State	Regression coefficients LogIntercept ( $\alpha$ )	Regression coefficients LogAADT ( $\beta_1$ )	Over-dispersion parameter (d)	$R_{FT}^2$ (%)	Total Length of sites (mi)	Max AADT (veh/d ay)
101	Rural two - lane highway segments	OH	-3.63	0.53	0.5	72.5	12,412	30,025
102	Rural multilane undivided highway segments	NC	-3.17	0.49	0.53	46.5	308	42,638
103	Rural multilane divided highway segments	MN	-5.05	0.66	0.32	49.8	467	31,188
104	Rural freeway segments - 4 lanes	MN	-6.82	0.81	0.17	88	379	60,621
105	Rural freeway segments - 6+ lanes	CA	-8.28	0.94	0.09	84.3	201	190,403
106	Rural freeway segments within an interchange area - 4 lanes	MN	-7.76	0.97	0.15	65	90	60,621
107	Rural freeway segments within an interchange area - 6+ lanes	CA	-9.63	1.06	0.21	46.1	238	197,798
151	Urban two - lane arterial segments	OH	-7.16	0.84	4.4	13.6	1,504	29,850
152	Urban multilane undivided arterial segments	WA	-10.24	1.29	0.85	23.5	194	57,901
153	Urban multilane divided arterial segments	OH	-11.85	1.34	5.91	1.4	327	77,735
154	Urban one - way arterial segments	MN	-3.53	0.60	1.38	4.1	170	23,628
155	Urban freeway segments - 4 lanes	WA	-7.85	1.00	0.99	9.2	126	151,038
156	Urban freeway segments - 6 lanes	WA	-5.96	0.78	0.48	53.5	35	241,255
157	Urban freeway segments - 8+ lanes	WA	-16.24	1.67	0.45	43.1	15	223,088
158	Urban freeway segments within an interchange area - 4 lanes	WA	-11.23	1.30	0.81	40.9	156	241,255
159	Urban freeway segments within an interchange area - 6 lanes	WA	-11.25	1.28	0.6	56.1	83	255,154
160	Urban freeway segments within an intersection area - 8+ lanes	WA	-26.76	2.58	0.52	51.6	31	233,323

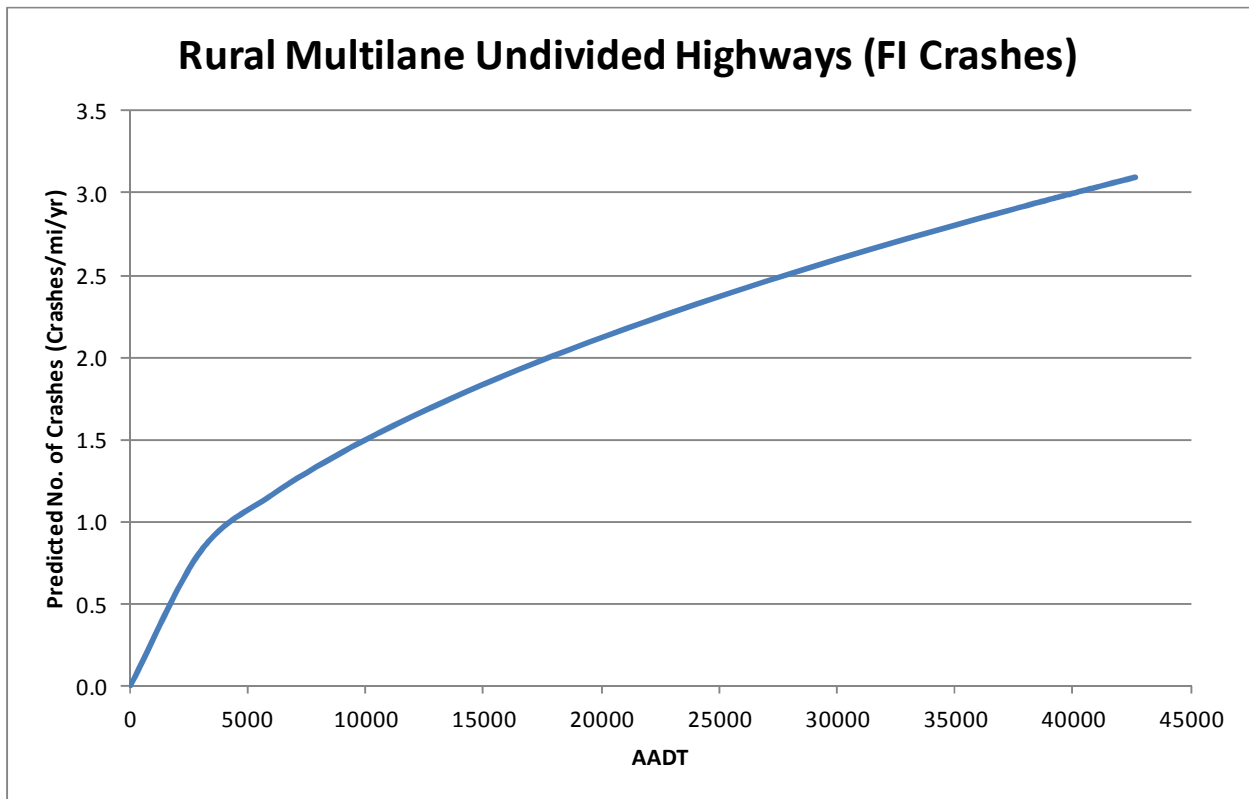
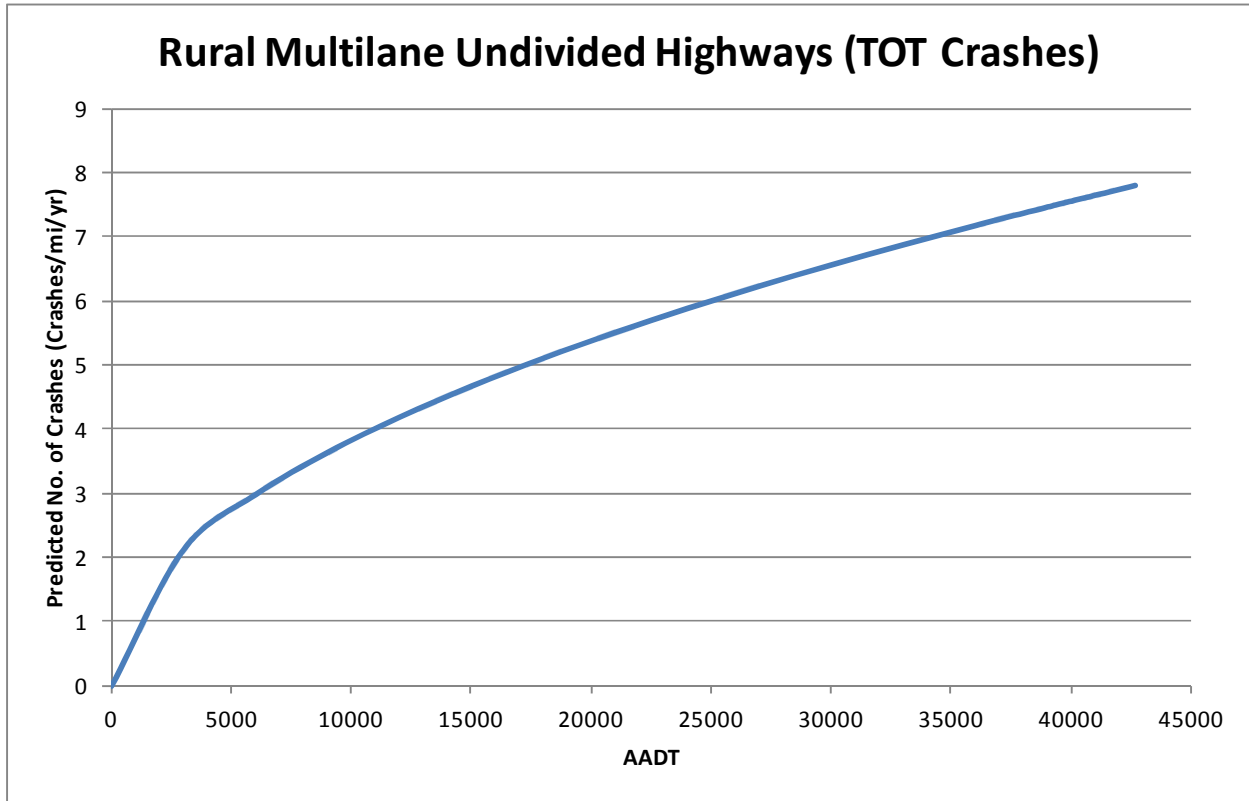
## SPFs for Roadway Segments (SPFs for FI Accidents)

Site Subtype Code	Site Subtype Description	State	Regression coefficients LogIntercept ( $\alpha$ )	Regression coefficients LogAADT ( $\beta_1$ )	Over-dispersion parameter (d)	$R_{FT}^2$ (%)	Total Length of sites (mi)	Max AADT (veh/day)
101	Rural two - lane highway segments	OH	-4.86	0.53	0.67	59.9	12,412	30,025
102	Rural multilane undivided highway segments	NC	-4.20	0.50	0.53	45.9	308	42,638
103	Rural multilane divided highway segments	MN	-7.46	0.72	0.09	37.2	467	31,188
104	Rural freeway segments - 4 lanes	MN	-8.82	0.89	0.16	82.2	379	60,621
105	Rural freeway segments - 6+ lanes	CA	-10.25	1.03	0.09	82.8	201	190,403
106	Rural freeway segments within an interchange area - 4 lanes	MN	-8.86	0.96	0.24	53.1	90	60,621
107	Rural freeway segments within an interchange area - 6+ lanes	CA	-10.48	1.04	0.2	45.3	238	197,798
151	Urban two - lane arterial segments	OH	-8.84	0.89	4.54	14	1,504	29,850
152	Urban multilane undivided arterial segments	WA	-12.07	1.39	0.81	25.8	194	57,901
153	Urban multilane divided arterial segments	OH	-14.87	1.52	5.81	2.2	327	77,735
154	Urban one - way arterial segments	MN	-5.15	0.65	1.45	11.1	170	23,628
155	Urban freeway segments - 4 lanes	WA	-8.82	1.02	1.15	12.8	126	151,038
156	Urban freeway segments - 6 lanes	WA	-7.60	0.85	0.54	46.4	35	241,255
157	Urban freeway segments - 8+ lanes	WA	-19.16	1.85	0.52	39.9	15	223,088
158	Urban freeway segments within an interchange area - 4 lanes	WA	-12.89	1.38	0.79	38.1	156	241,255
159	Urban freeway segments within an interchange area - 6 lanes	WA	-13.62	1.42	0.55	56	83	255,154
160	Urban freeway segments within an intersection area - 8+ lanes	WA	-25.63	2.42	0.53	48.9	31	233,323

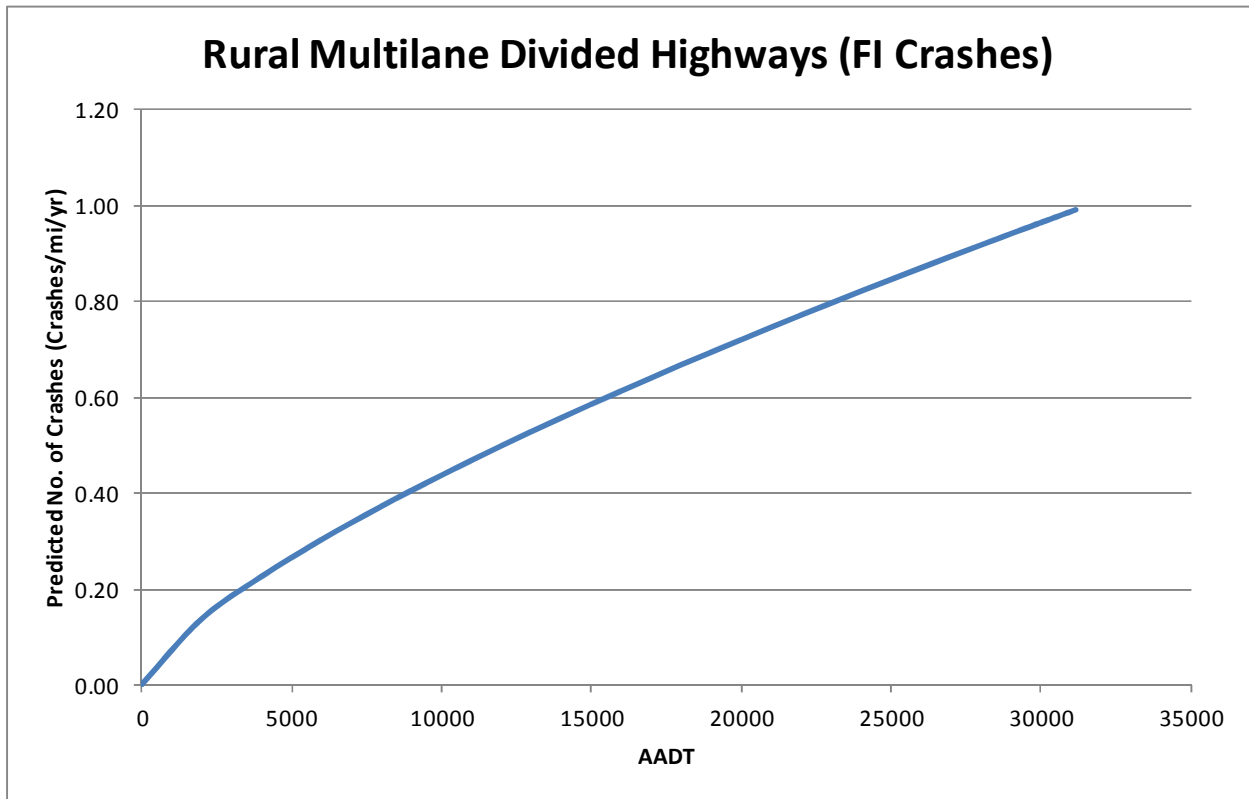
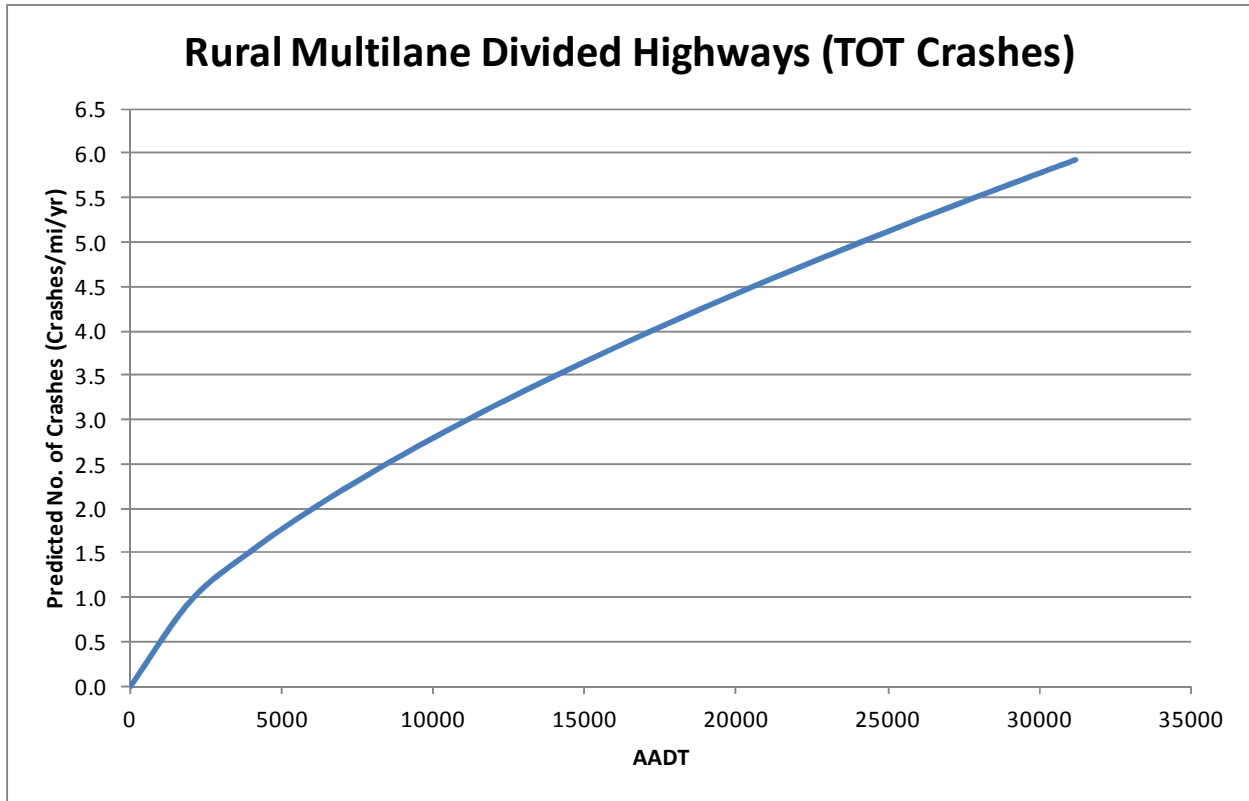
Rural two - lane highway segments



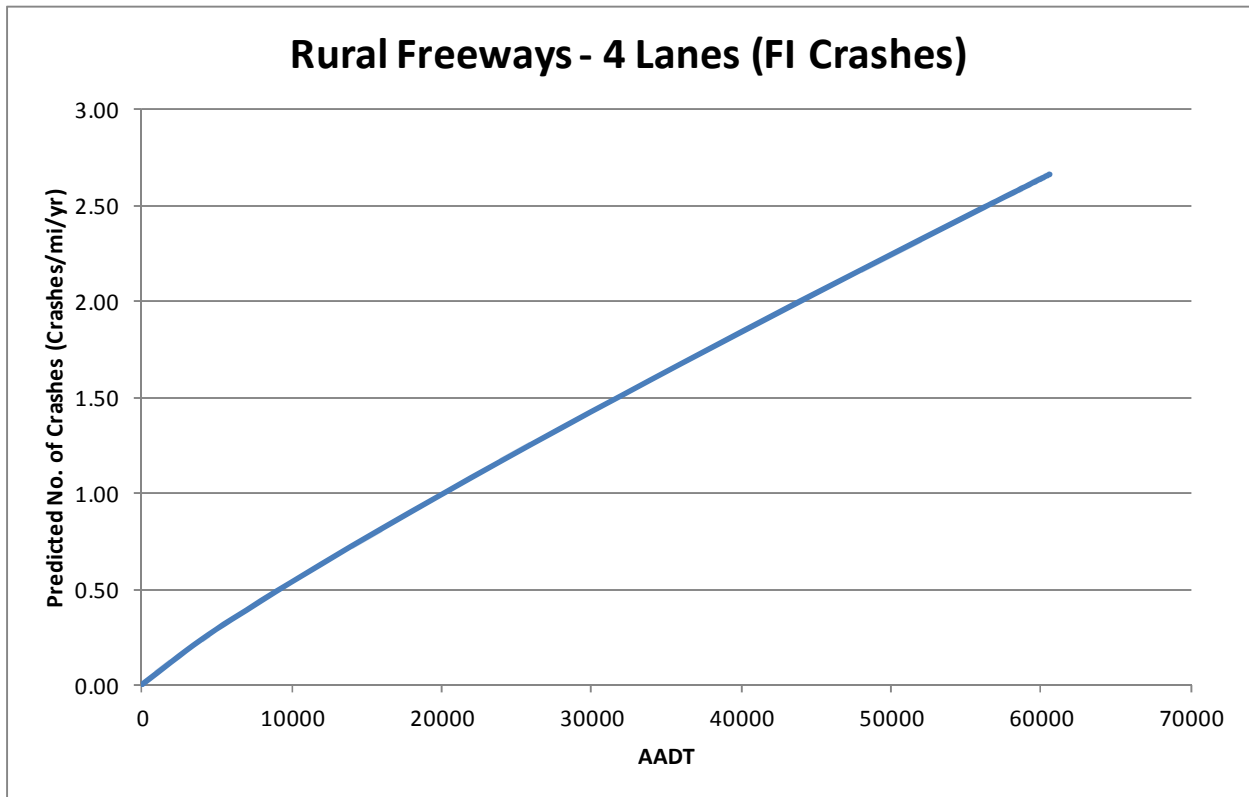
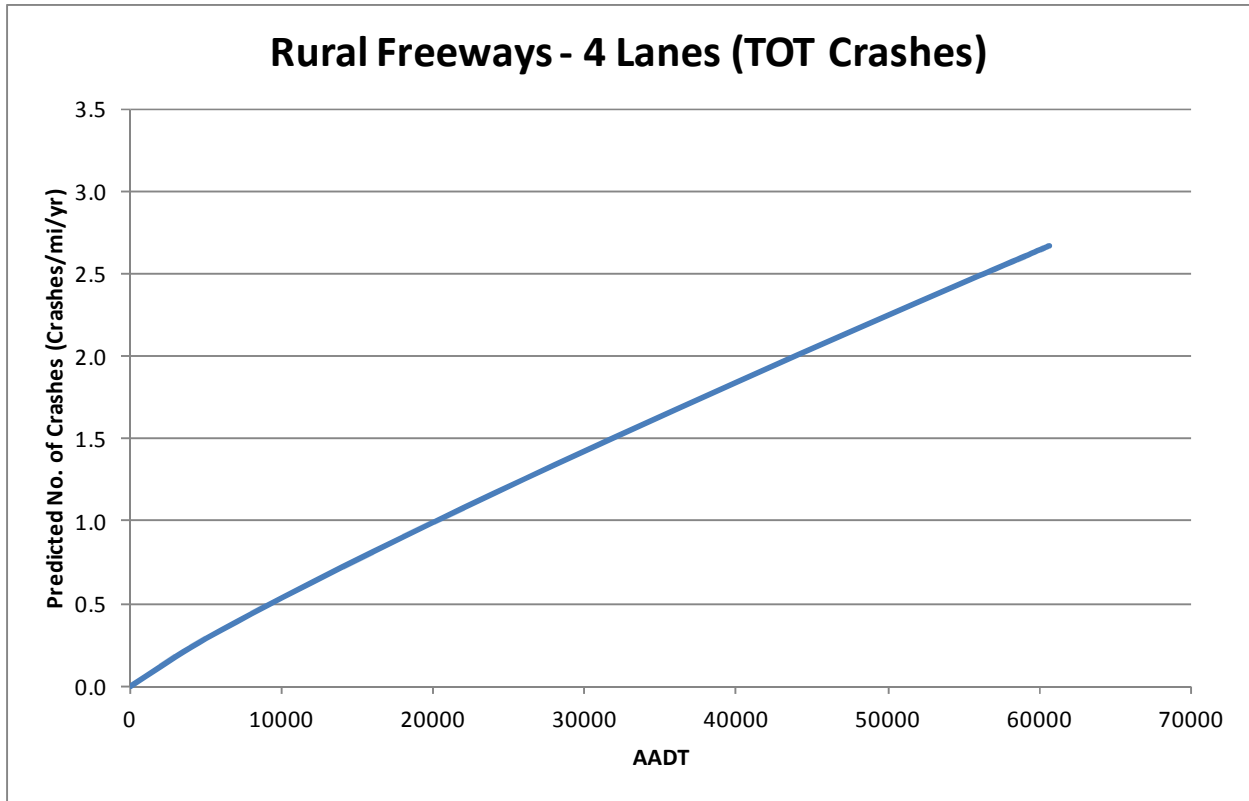
Rural multilane undivided highway segments



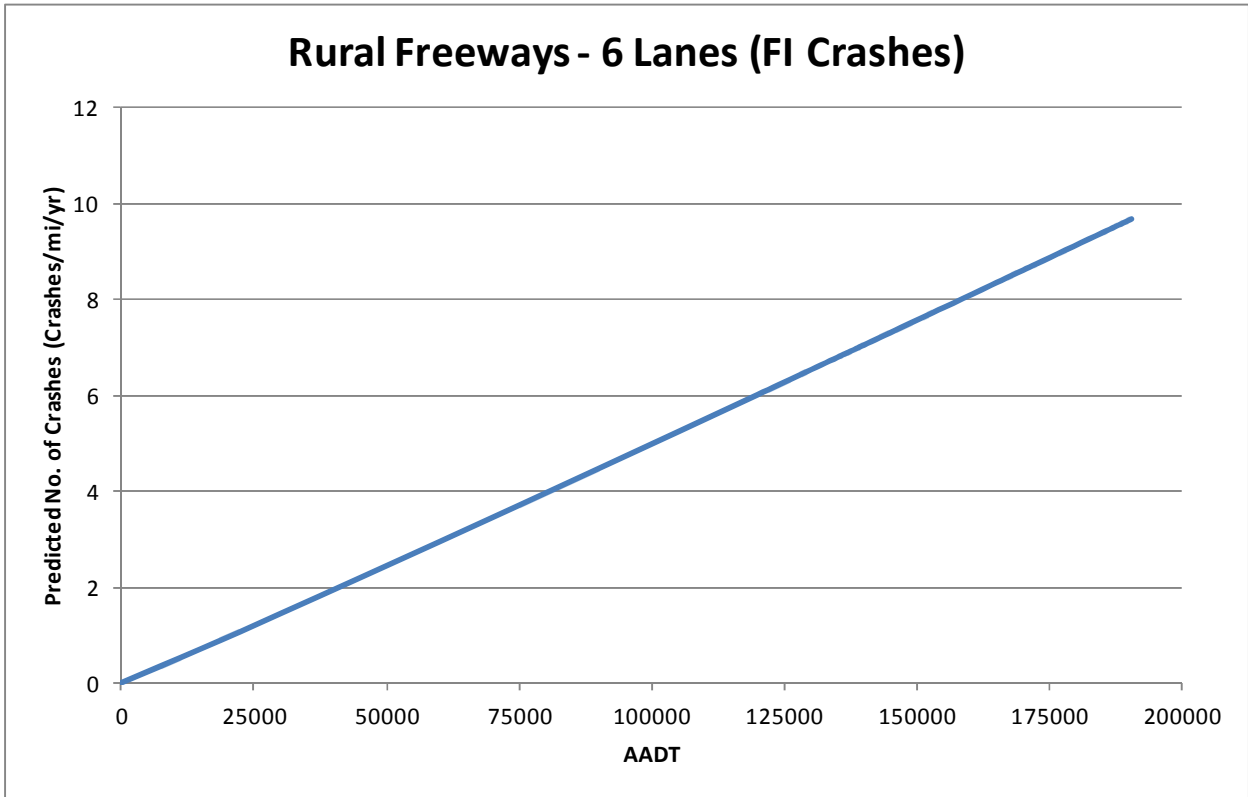
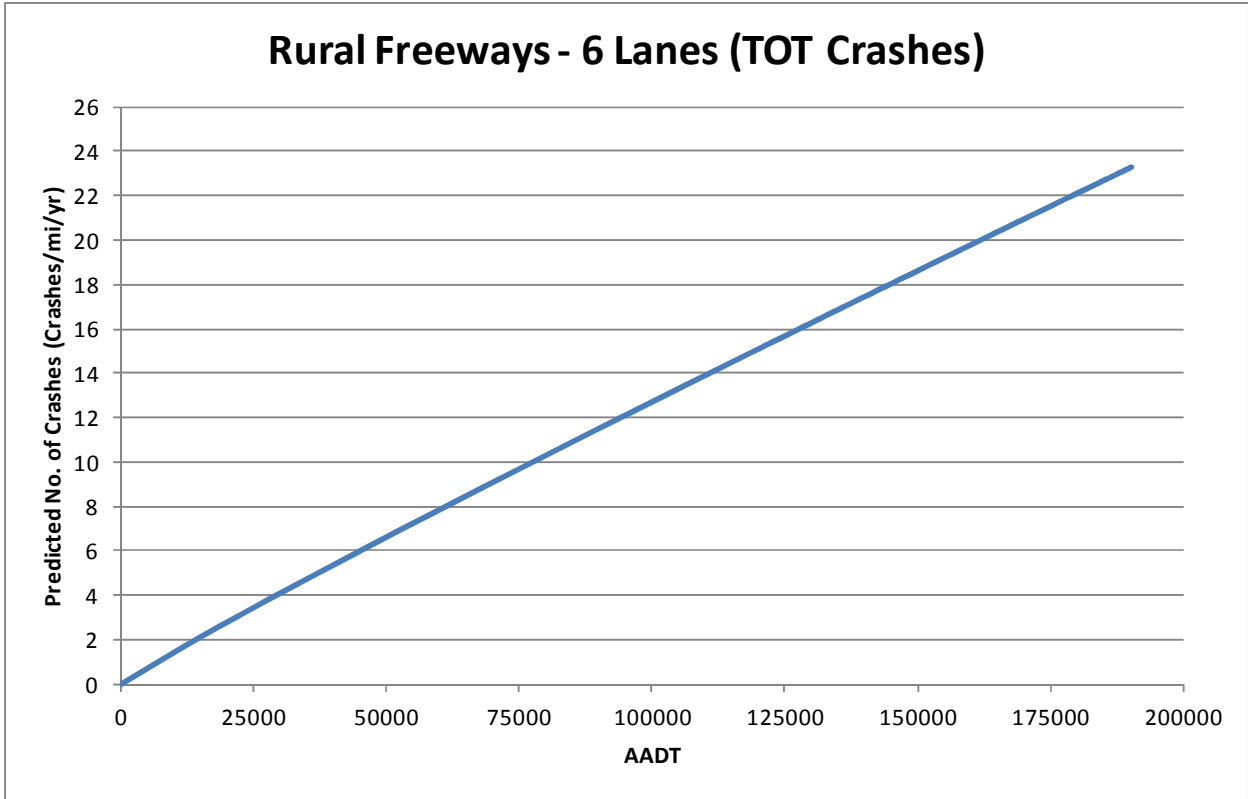
Rural multilane divided highway segments



Rural freeway segments - 4 lanes

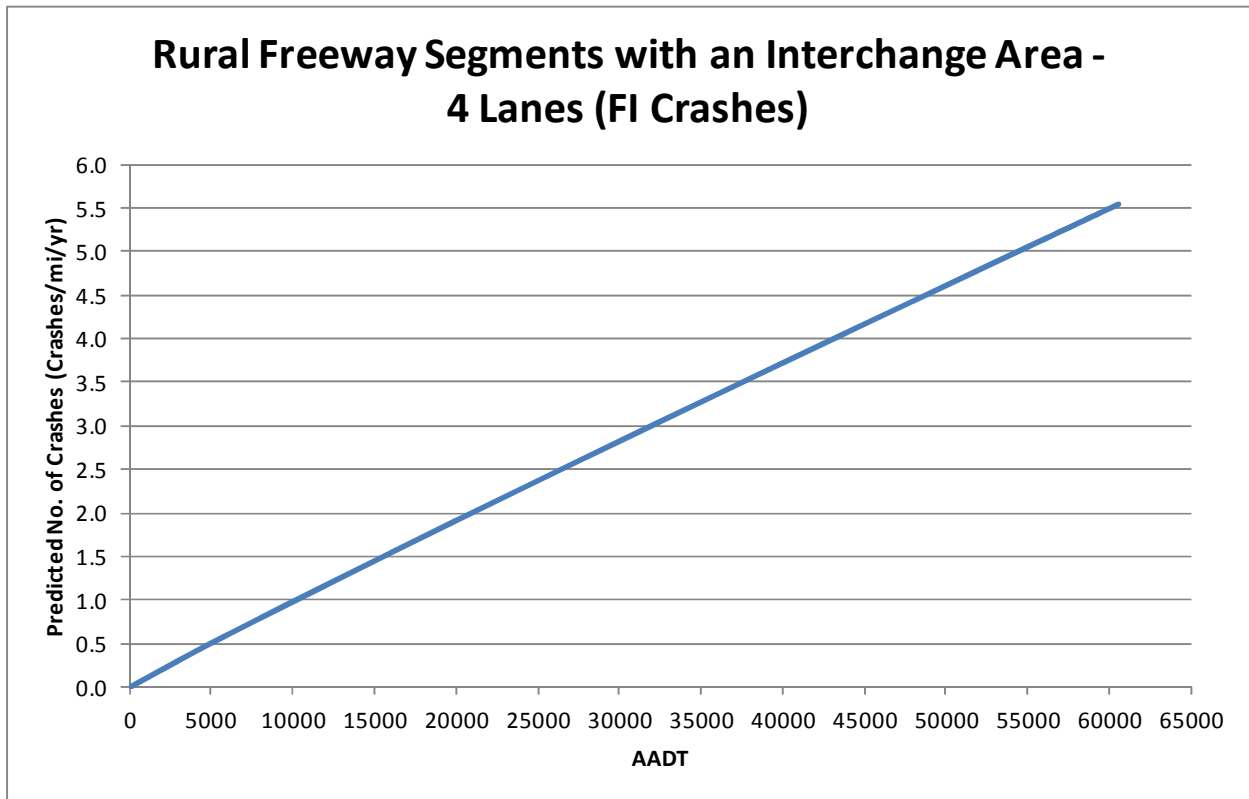
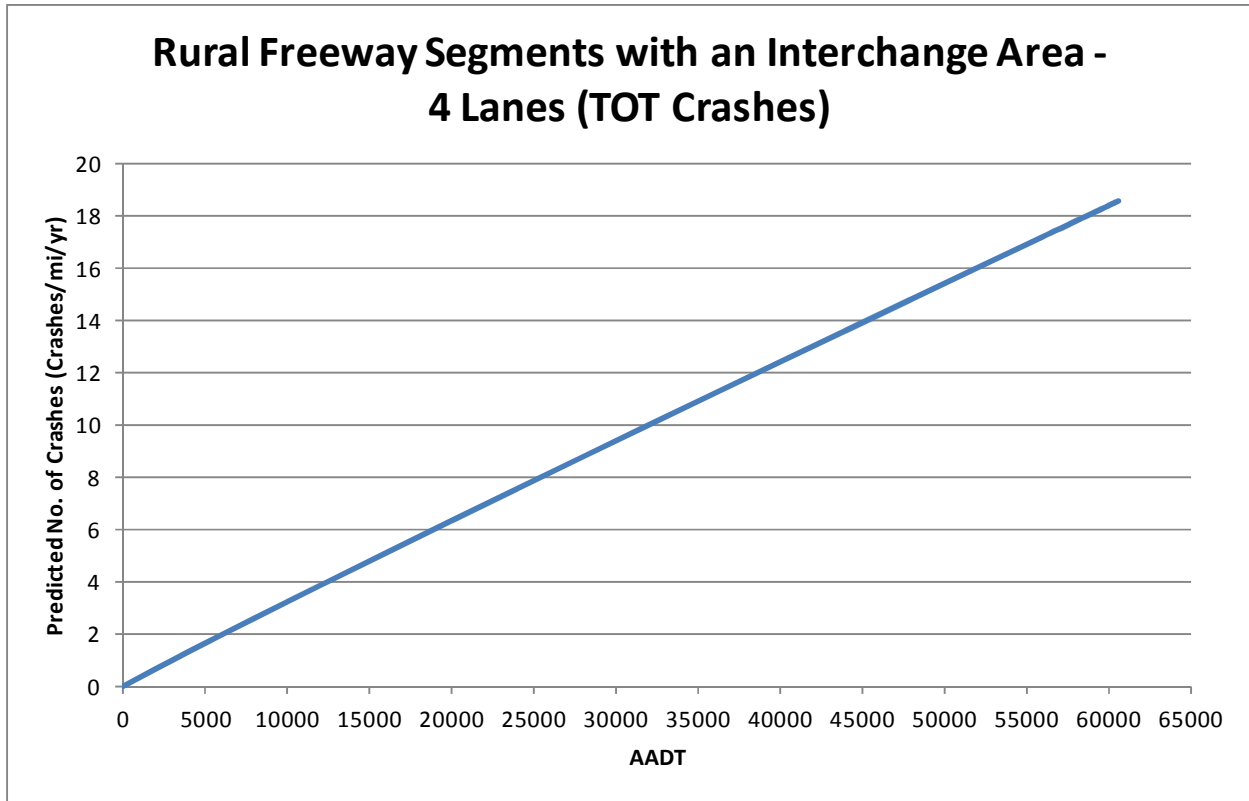


Rural freeway segments - 6+ lanes

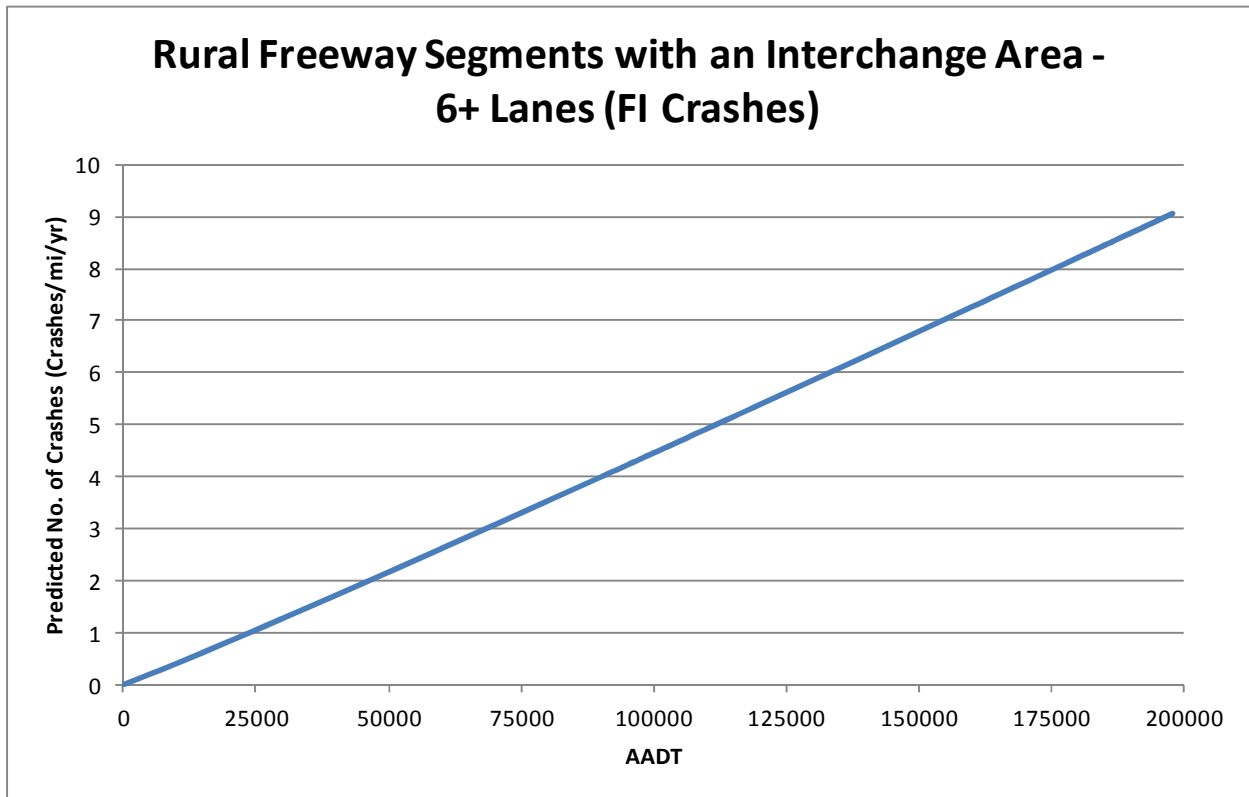
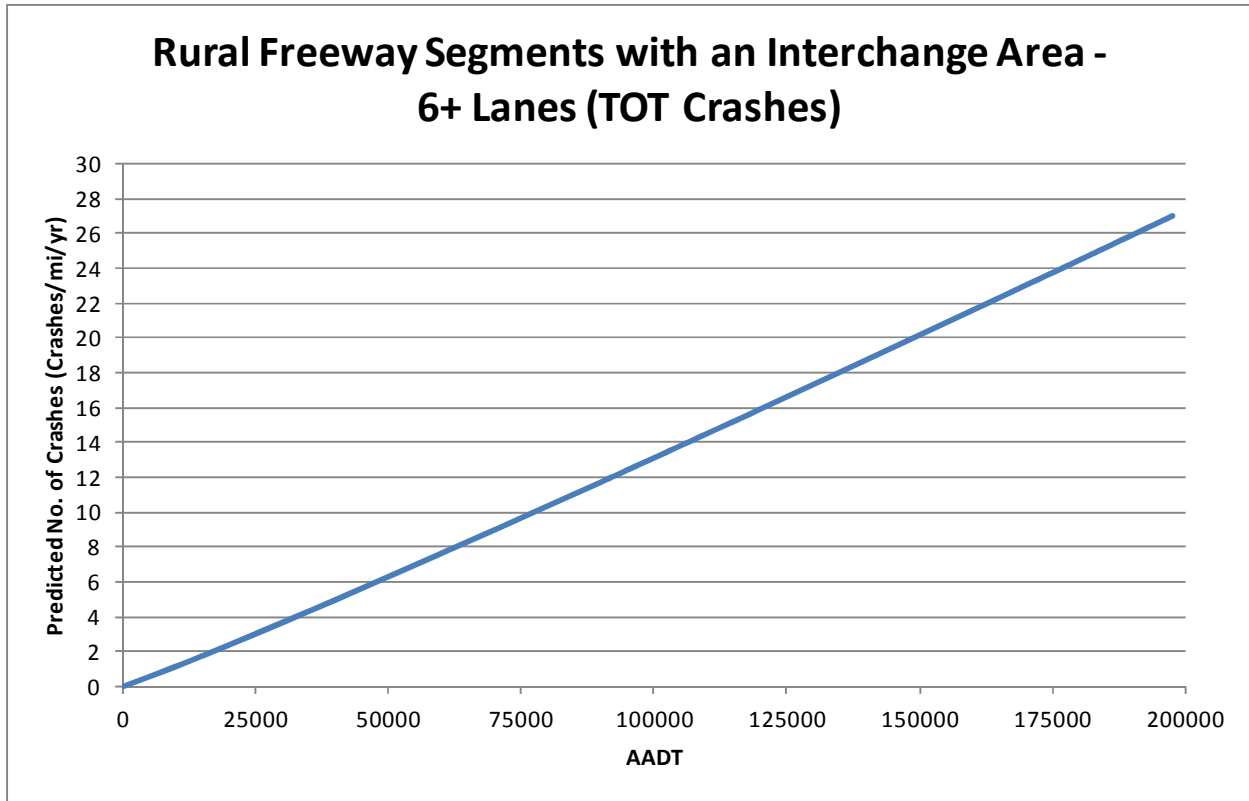




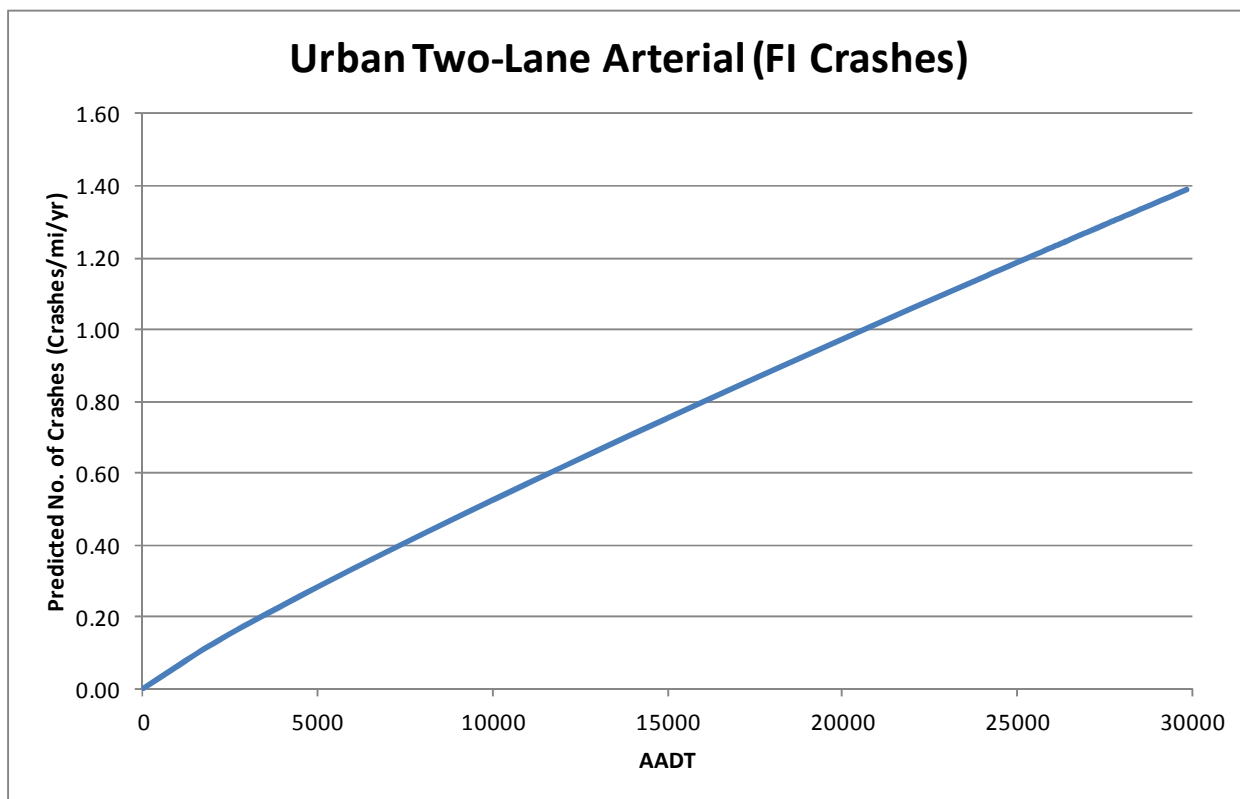
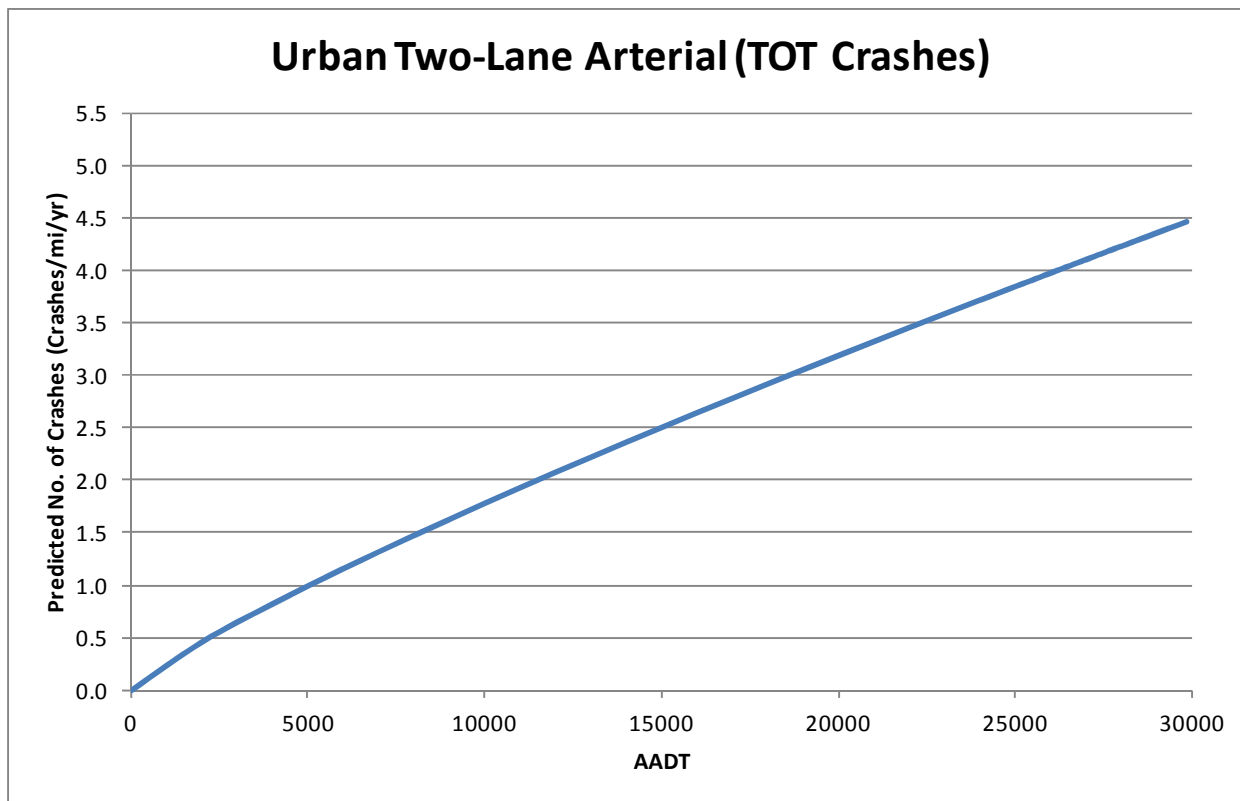
Rural freeway segments within an interchange area - 4 lanes



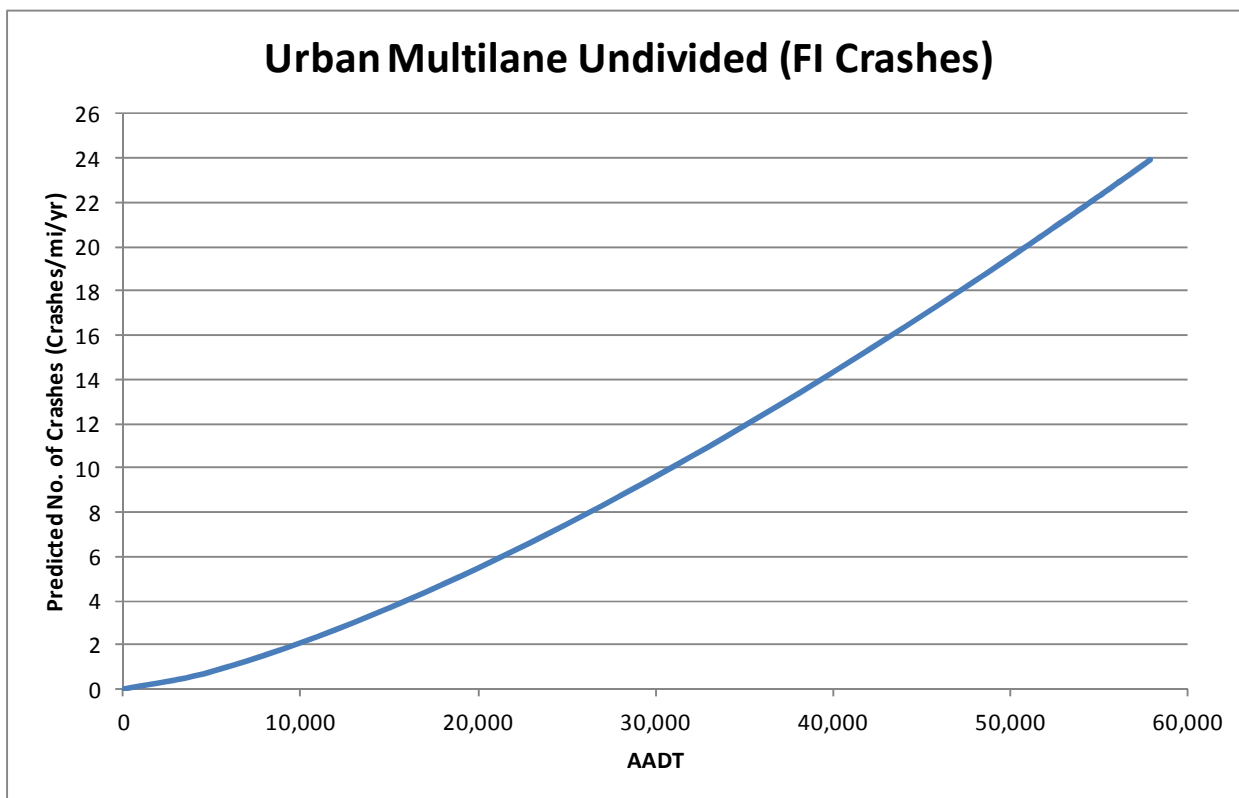
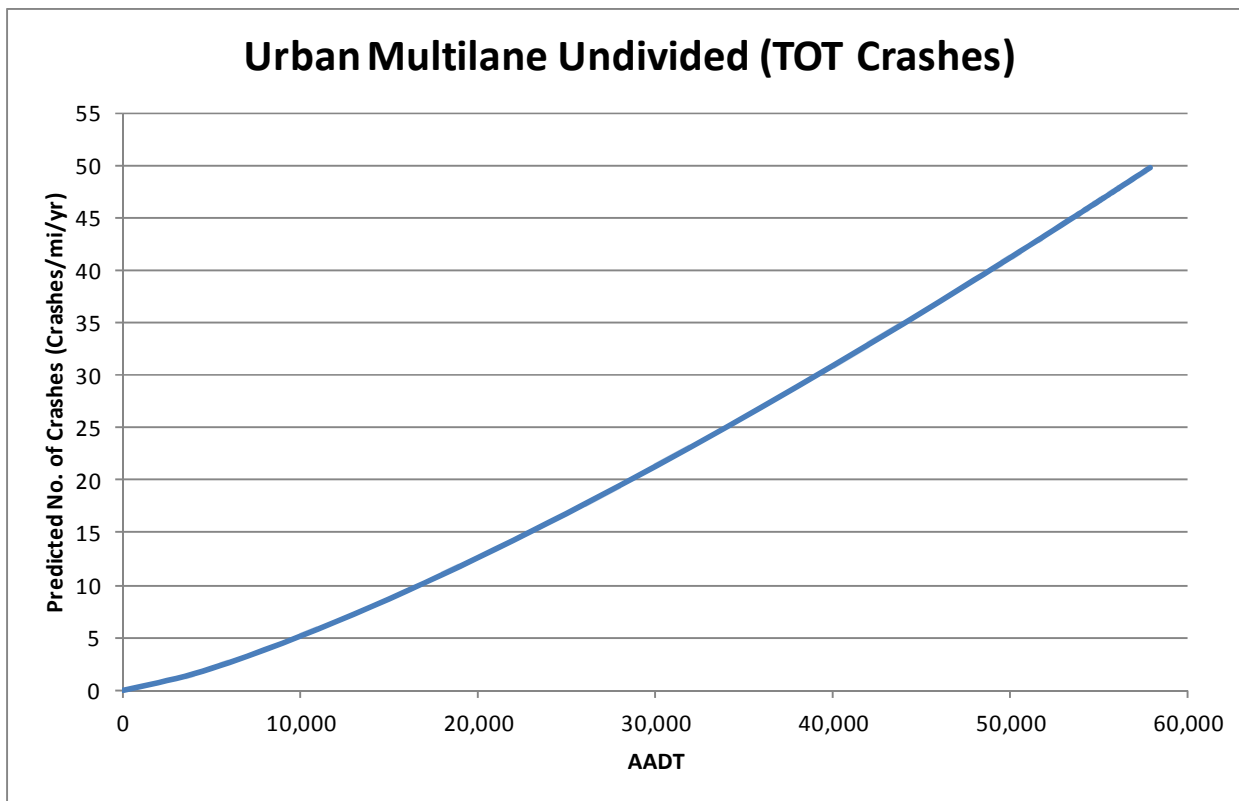
Rural freeway segments within an interchange area - 6+ lanes



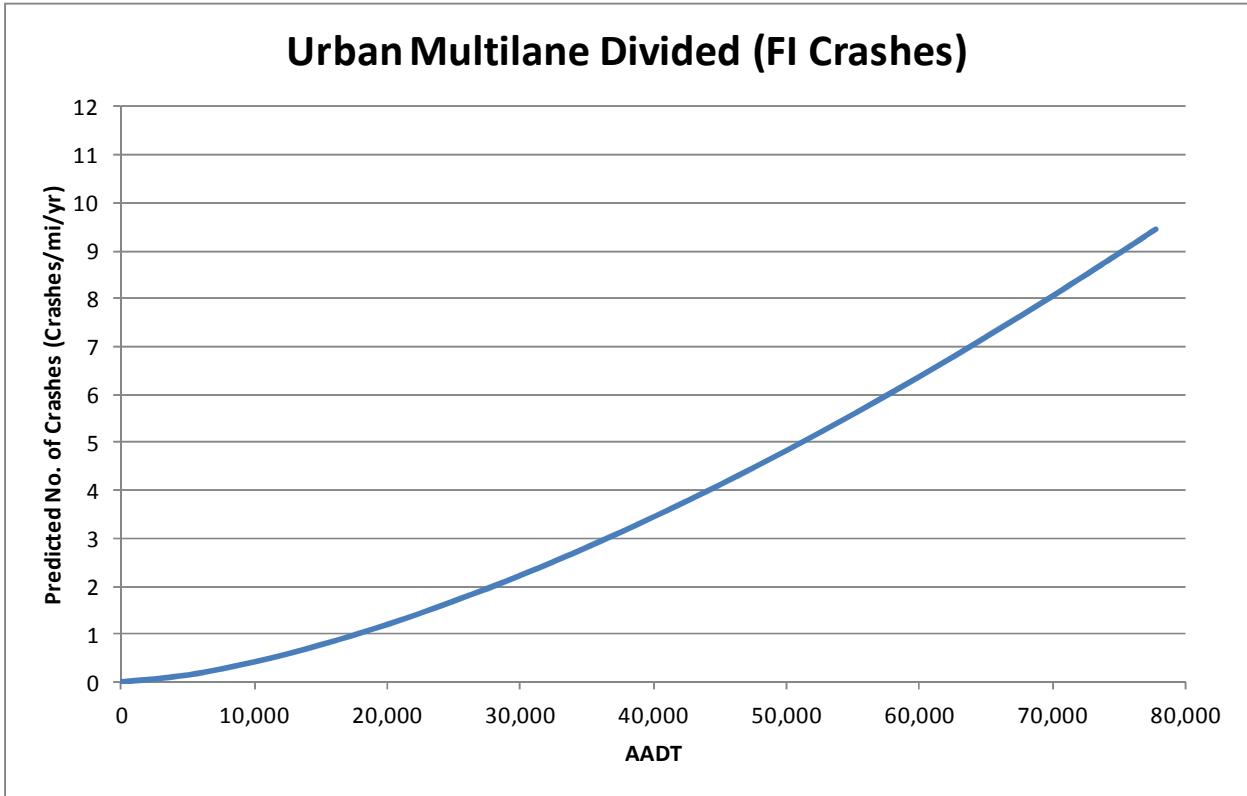
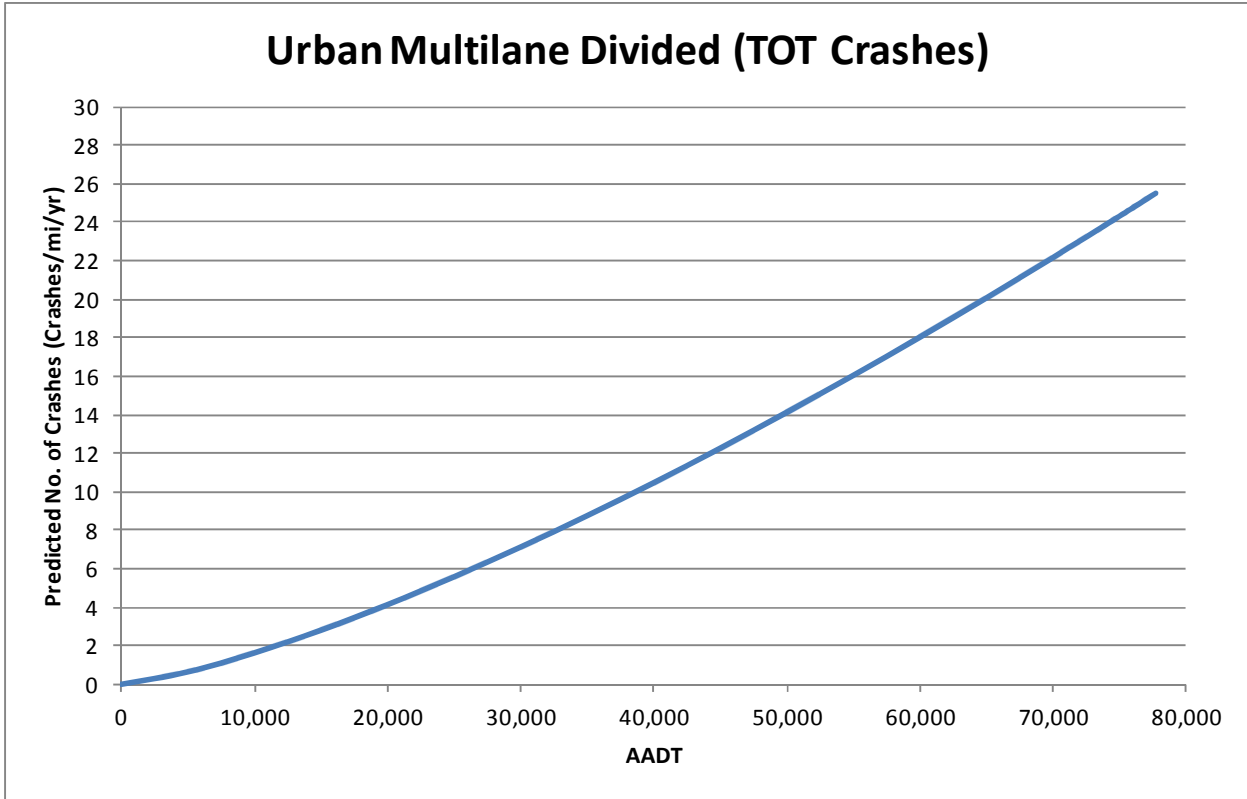
Urban two - lane arterial segments



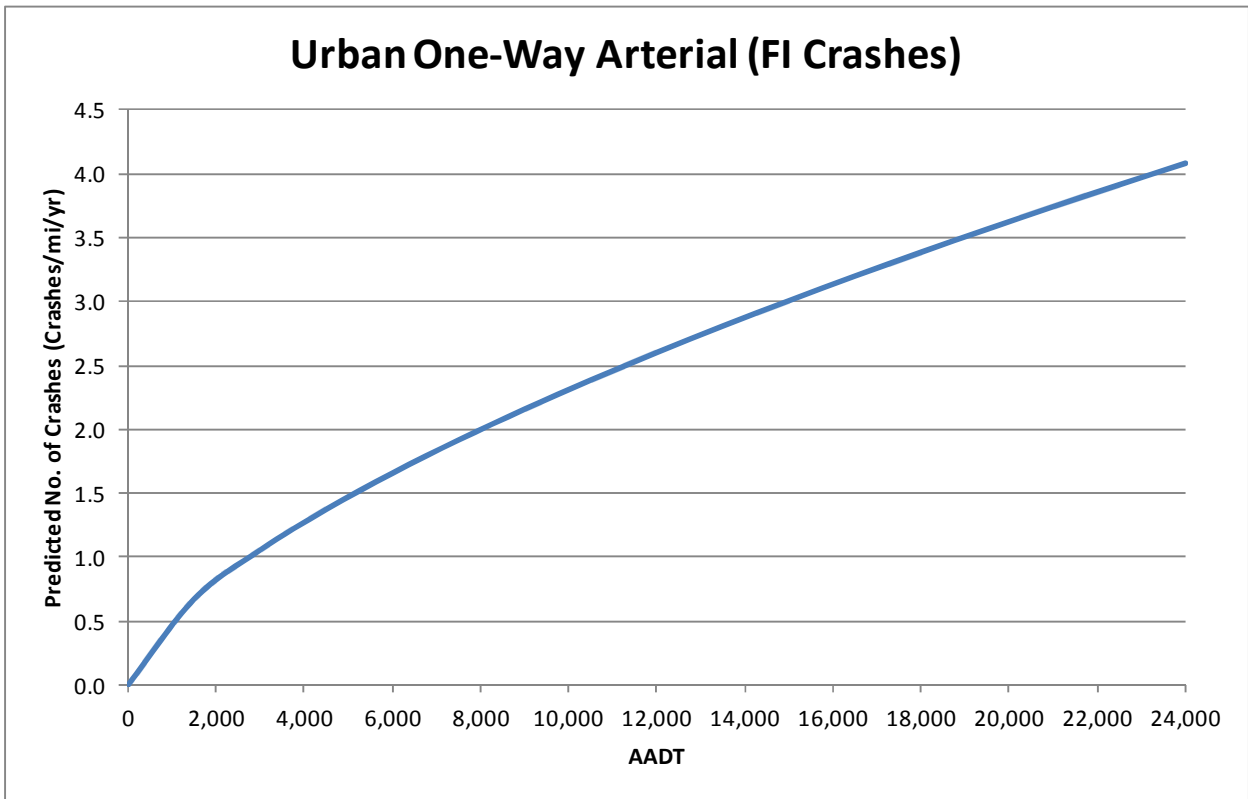
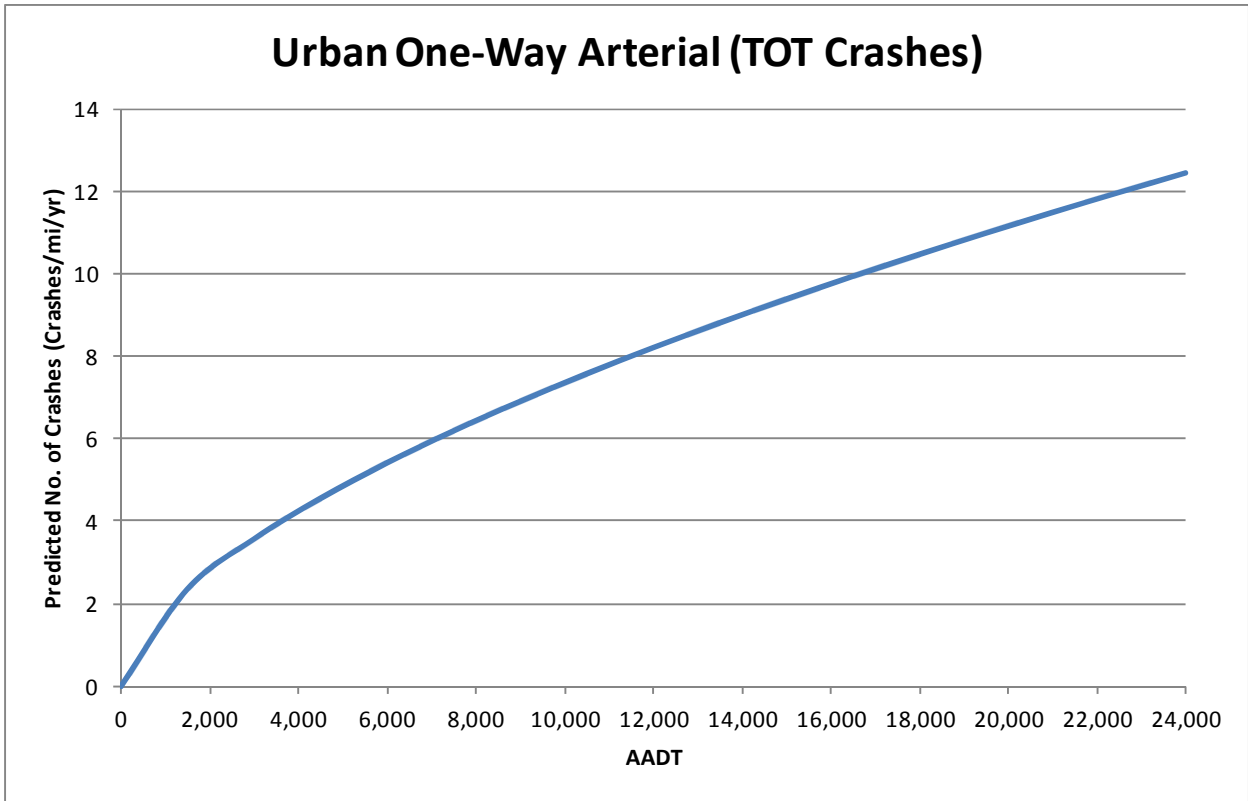
Urban multilane undivided arterial segments



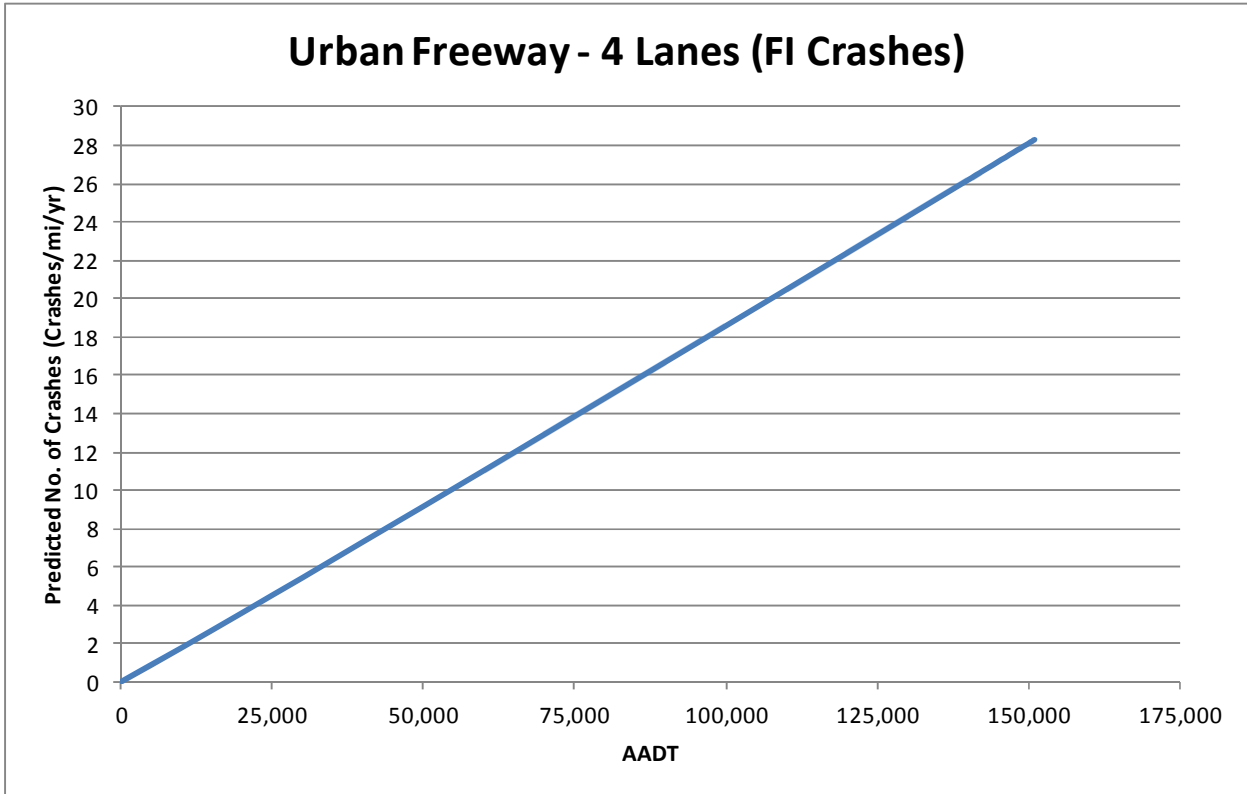
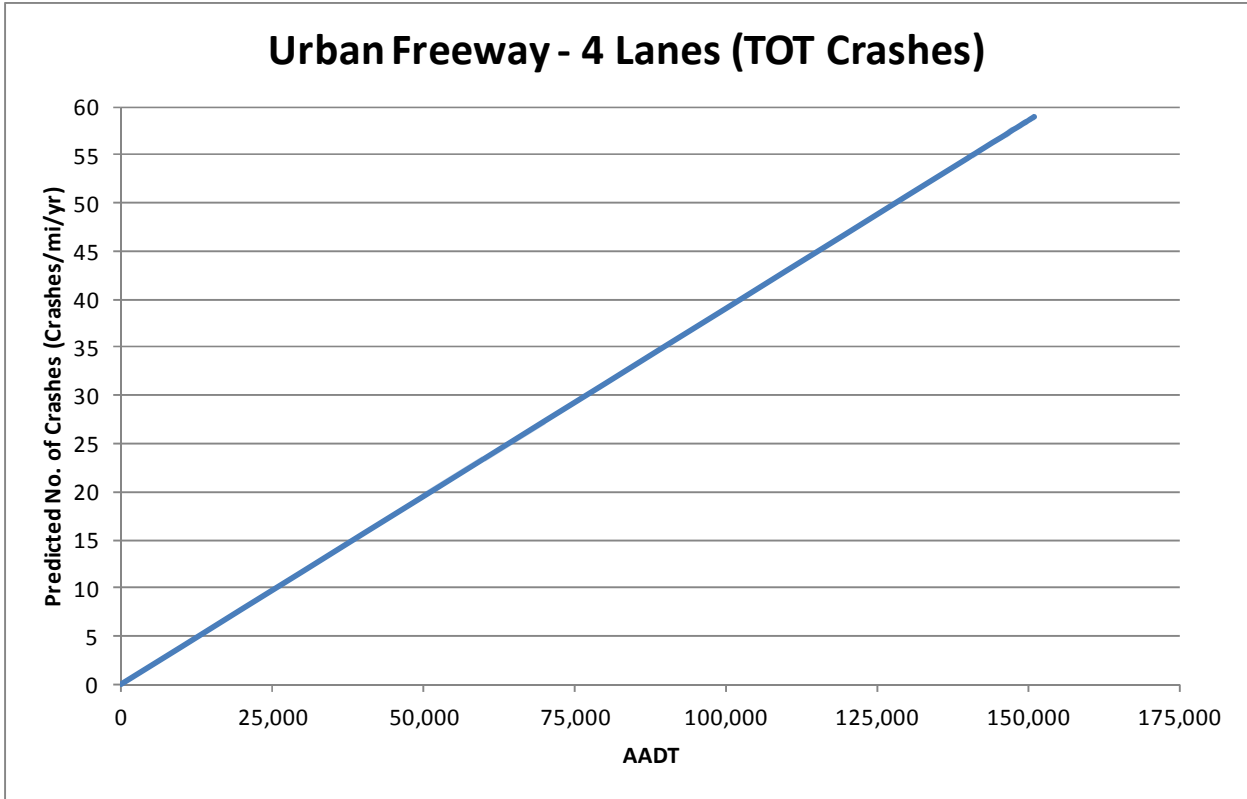
Urban multilane divided arterial segments



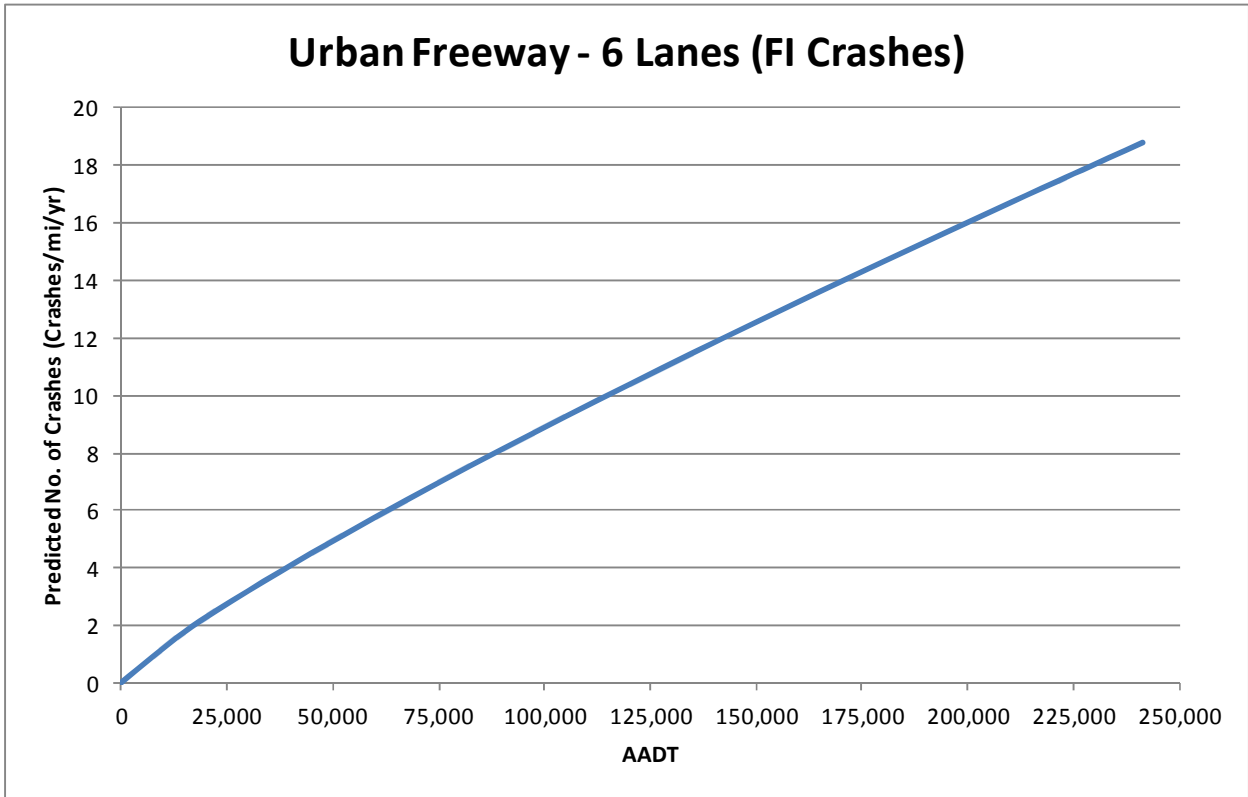
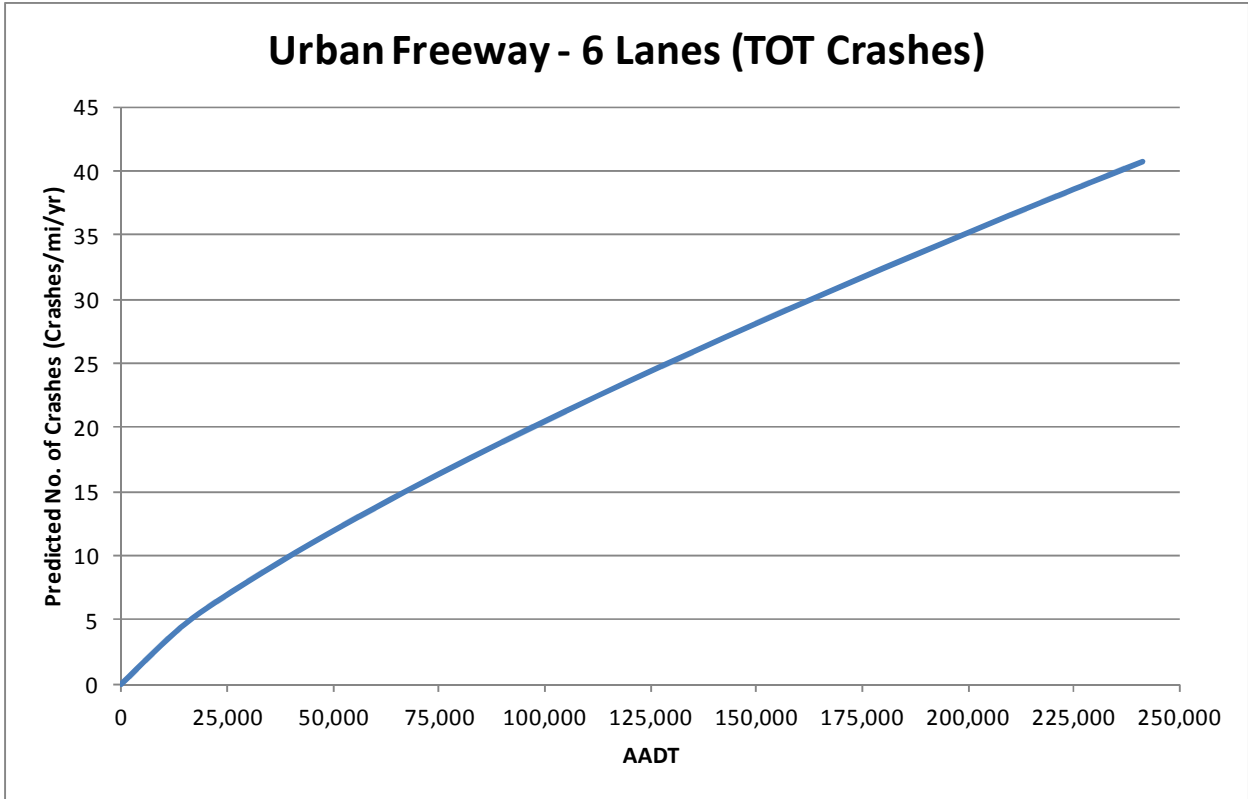
Urban one - way arterial segments



Urban freeway segments - 4 lanes

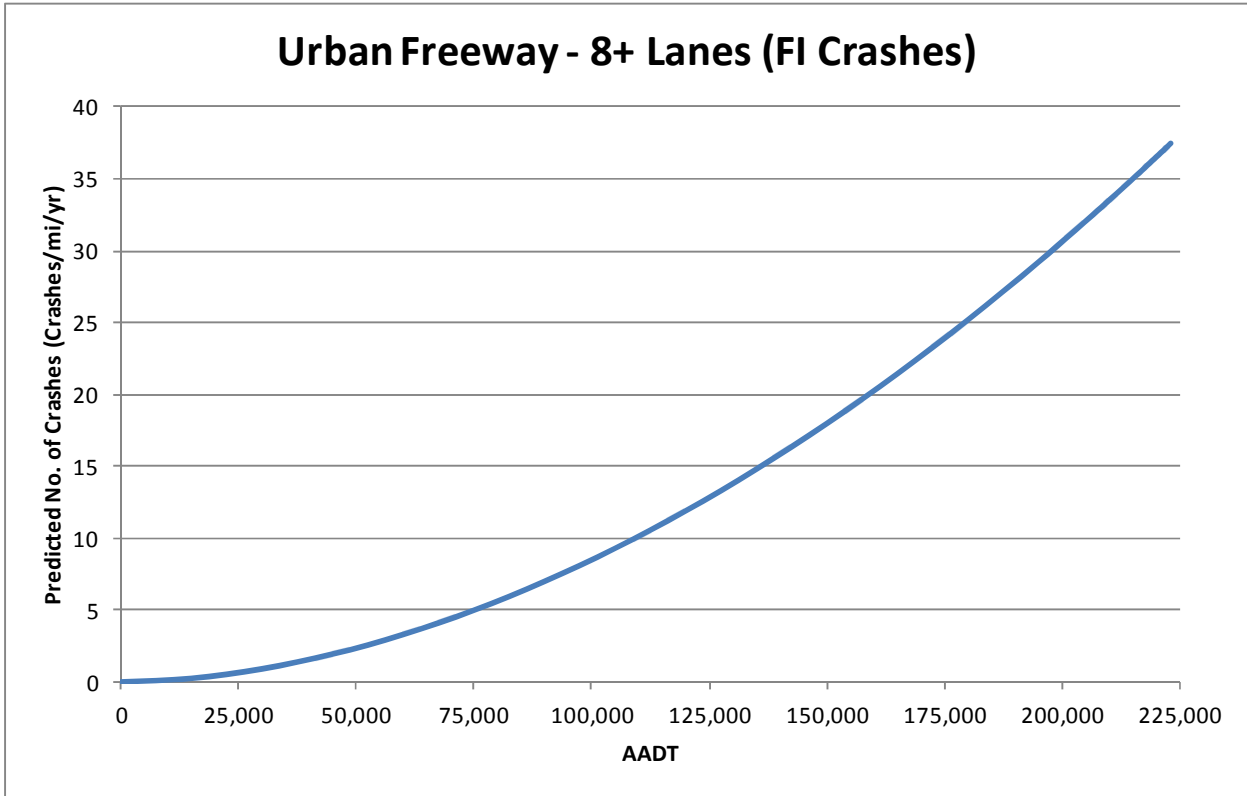
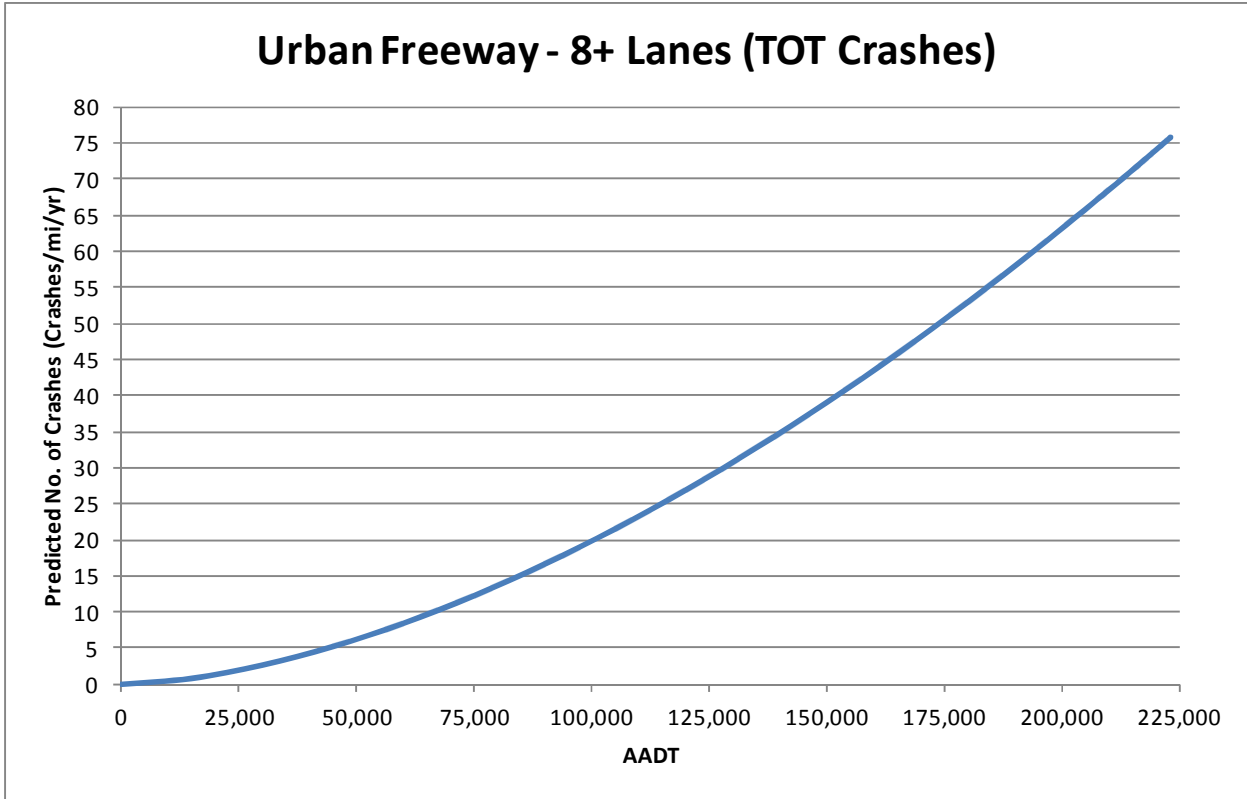


Urban freeway segments - 6 lanes

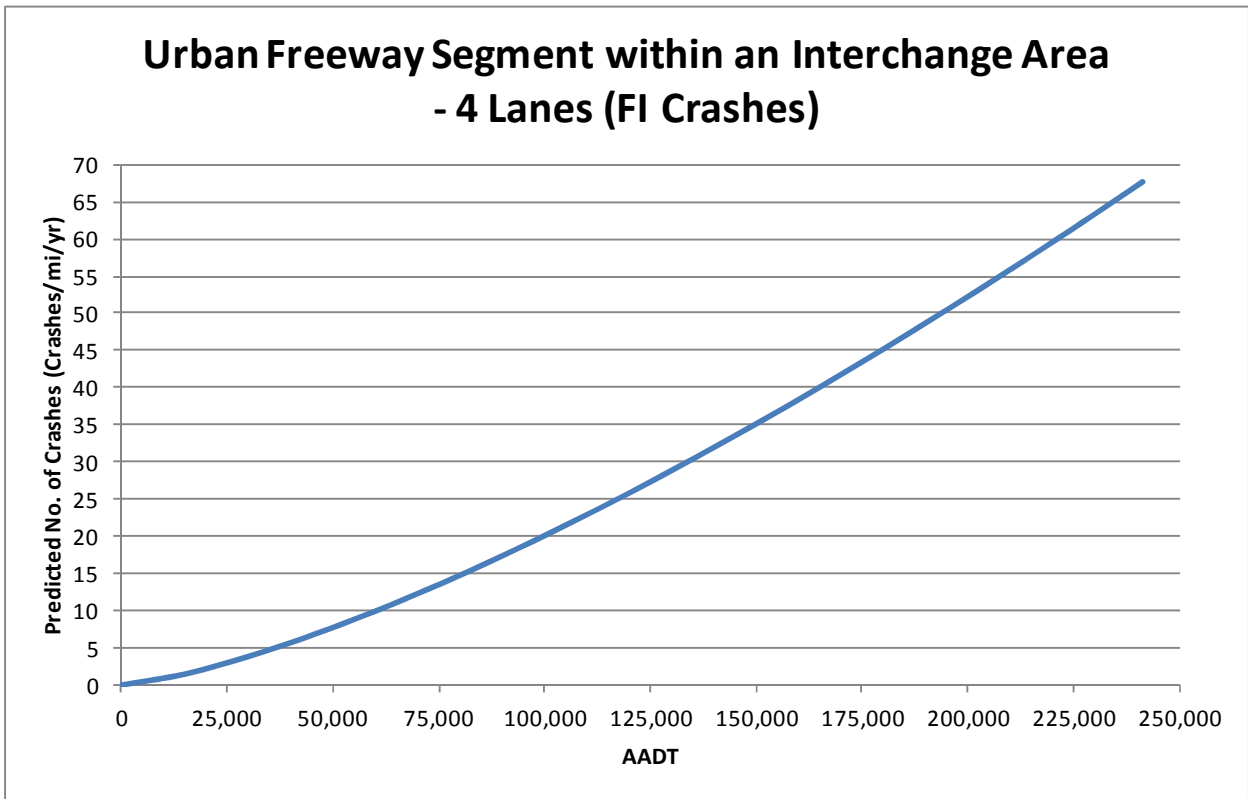
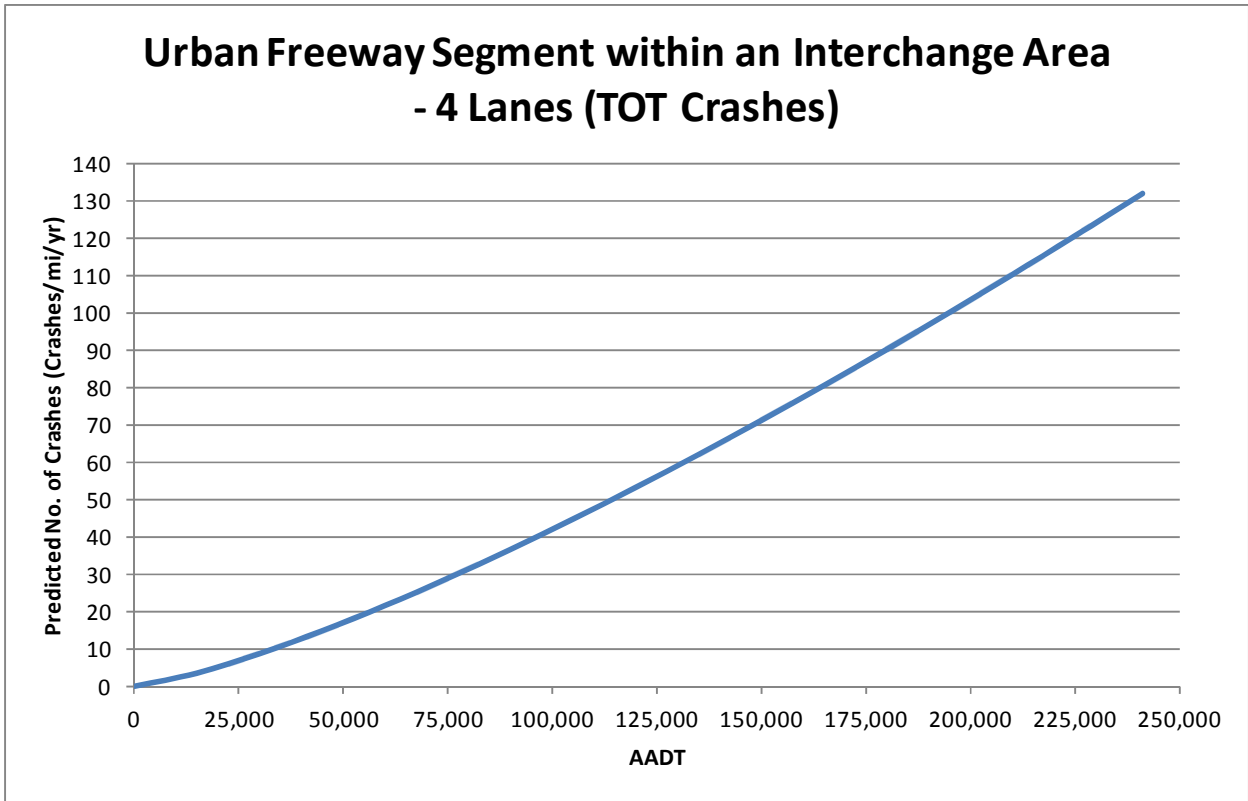


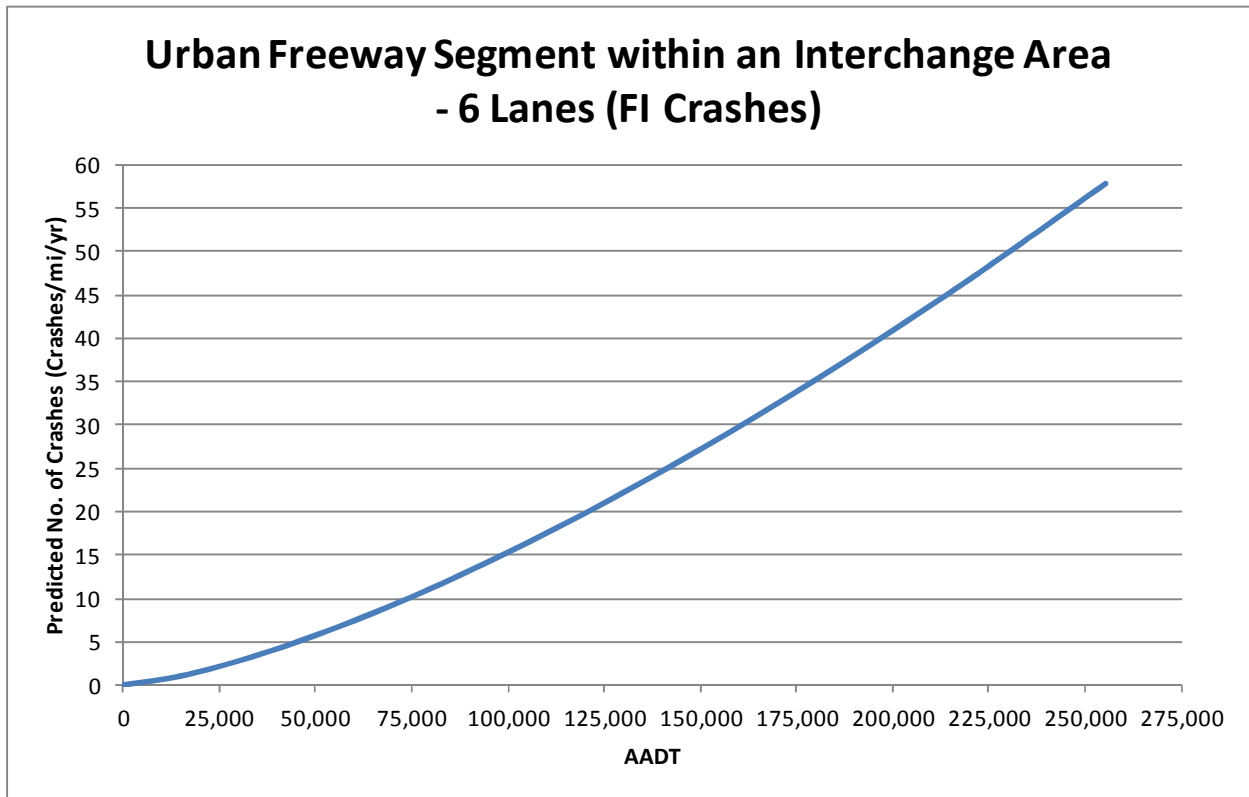
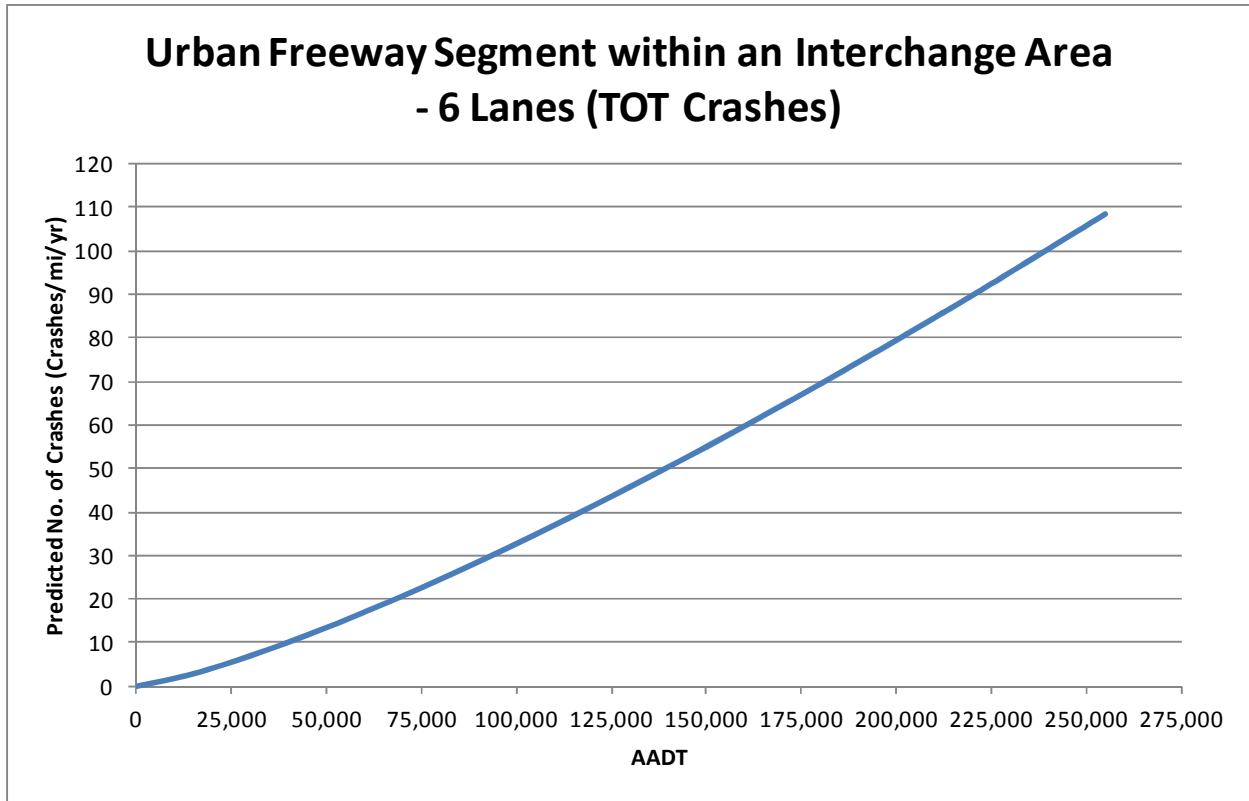


Urban freeway segments - 8+ lanes



Urban freeway segments within an interchange area - 4 lanes





Urban freeway segments within an intersection area - 8+ lanes

