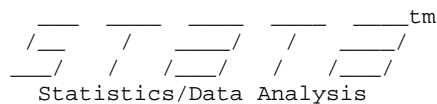


## **Appendix B: Level 2 Screening Summary Tables and Regression Models**

Appendix B  
Level 2 Screening Matrix

	Public Xing	Train Speed 70-79 mph	In City	Hwy Less than 75'	All Other Gates	Whistle Ban	76 to 90 Daily Trains	Urban Collector	Industrial	Commercial	Hwy Speed 26-35 mph	Illumination	Four Quad Gates/Barrier	46 to 60 Daily Trains	Urban Minor Arterial	3 to 4 Traffic Lanes	61 to 75 Daily Trains	Urban Other Principal Arterial	106 to 120 Daily Trains	91 to 105 Daily Trains	150+ Daily Trains	Train Speed 80-89 mph	5 to 6 Traffic Lanes	7+ Traffic Lanes
Public Xing		0.0437	0.0799	0.0520	0.0842	0.0777	0.0747	0.1118	0.0735	0.1033	0.0867	0.1147	0.1597	0.1166	0.1436	0.1693	0.1359	0.2061	0.2437	0.3721	0.3035	1.8765	0.3510	0.8548
Train Speed 70-79 mph	0.0437		0.0959	0.0429	0.0772	0.1919		0.1962	0.0751	0.1490	0.1460	0.2000	0.1159	0.1062	0.1840	0.2415	0.2076	0.3470	0.4797	0.2996	0.4003		0.5889	1.4543
In City	0.0799	0.0959		0.0756	0.0840	0.0754	0.0916	0.1215	0.0653	0.0944	0.1110	0.1076	0.2191	0.1290	0.1359	0.1753	0.2599	0.2153	0.2107	0.5736	0.2959	0.2890	0.2486	0.9262
Hwy Less than 75'	0.0520	0.0429	0.0756		0.0765	0.1056	0.1395	0.0853	0.1080	0.0934	0.0902	0.1092	0.1298	0.1036	0.1699	0.1411	0.1854	0.1798	0.2988	0.4759		0.4259	0.4467	0.5208
All Other Gates	0.0842	0.0772	0.0840	0.0765			0.0753	0.1155	0.0911	0.1113	0.0988	0.1180		0.1352	0.1595	0.1717	0.1474	0.1983	0.2715	0.4087	0.3035	0.2433	0.3866	0.7635
Whistle Ban	0.0777	0.1919	0.0754	0.1056			0.3542			0.1212	0.1082	0.0937	0.2321	0.1298		0.1600	0.5208	0.2594						2.1044
76 to 90 Daily Trains	0.0747		0.0916	0.1395	0.0753	0.3542		0.2087	0.2303	0.1773	0.0982	0.1602			0.2881	0.3639						0.6236		
Urban Collector	0.1118	0.1962	0.1215	0.0853	0.1155		0.2087		0.1193	0.1438	0.1190	0.1430	0.3304	0.1199		0.2344	0.3547			0.7247	0.6047	0.4253	0.3539	
Industrial	0.0735	0.0751	0.0653	0.1080	0.0911		0.2303	0.1193			0.1418	0.1274	0.2471	0.1343	0.0914	0.1471	0.4942	0.2657	0.2943	0.5014	0.5204	0.5204	1.0556	
Commercial	0.1033	0.1490	0.0944	0.0934	0.1113	0.1212	0.1773	0.1438			0.1348	0.1376	0.3770	0.2263	0.1881	0.1919	0.1889	0.1956	0.3540	0.5741	0.3440	0.7776	0.2665	0.5208
Hwy Speed 26-35 mph	0.0867	0.1460	0.1110	0.0902	0.0988	0.1082	0.0982	0.1190	0.1418	0.1348		0.1390	0.2780	0.1643	0.2212	0.2149	0.3474	0.2001		0.4374	0.4425	0.4425		0.8539
Illumination	0.1147	0.2000	0.1076	0.1092	0.1180	0.0937	0.1602	0.1430	0.1274	0.1376	0.1390		0.2940	0.2354	0.2445	0.1957	0.2724	0.2305		0.6995	0.1873	0.6324	0.1803	0.8548
Four Quad Gates/Barrier	0.1597	0.1159	0.2191	0.1298		0.2321		0.3304	0.2471	0.3770	0.2780	0.2940		0.2985	0.2002	0.2988	0.8541	0.7431						2.3540
46 to 60 Daily Trains	0.1166	0.1062	0.1290	0.1036	0.1352	0.1298		0.1199	0.1343	0.2263	0.1643	0.2354	0.2985		0.2826	0.2143							0.6542	1.8537
Urban Minor Arterial	0.1436	0.1840	0.1359	0.1699	0.1595		0.2881		0.0914	0.1881	0.2212	0.2445	0.2002	0.2826		0.1635	0.3455			0.5768		0.5541		1.3541
3 to 4 Traffic Lanes	0.1693	0.2415	0.1753	0.1411	0.1717	0.1600	0.3639	0.2344	0.1471	0.1919	0.2149	0.1957	0.2988	0.2143	0.1635		0.2499	0.2339	0.3084	0.8098	0.6545	1.1040		
61 to 75 Daily Trains	0.1359	0.2076	0.2599	0.1854	0.1474	0.5208		0.3547	0.4942	0.1889	0.3474	0.2724	0.8541		0.3455	0.2499		0.5546		0.0000	0.0000		0.3875	1.5207
Urban Other Principal Arterial	0.2061	0.3470	0.2153	0.1798	0.1983	0.2594			0.2657	0.1956	0.2001	0.2305	0.7431			0.2339	0.5546		1.0208	0.4538	1.8541		0.2998	0.9793
106 to 120 Daily Trains	0.2437	0.4797	0.2107	0.2988	0.2715				0.2943	0.3540						0.3084		1.0208					0.7431	
91 to 105 Daily Trains	0.3721	0.2996	0.5736	0.4759	0.4087			0.7247	0.5014	0.5741	0.4374	0.6995		0.5768	0.8098			0.4538					1.4543	1.8537
150+ Daily Trains	0.3035	0.4003	0.2959		0.3035			0.6047	0.5204	0.3440	0.4425	0.1873				0.6545		1.8541				0.4253		
Train Speed 80-89 mph	1.8765		0.2890	0.4259	0.2433		0.6236	0.4253	0.5204	0.7776	0.4425	0.6324			0.5541	1.1040					0.4253			
5 to 6 Traffic Lanes	0.3510	0.5889	0.2486	0.4467	0.3866			0.3539	1.0556	0.2665		0.1803			0.6542			0.3875	0.2998	0.7431	1.4543			
7+ Traffic Lanes	0.8548	1.4543	0.9262	0.5208	0.7635	2.1044				0.5208	0.8539	0.8548	2.3540	1.8537	1.3541			1.5207	0.9793					



User: Jennifer Zankowski

log type: **smcl**  
 log: **C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Co**  
 log type: **smcl**  
 opened on: **16 Apr 2011, 09:03:53**

1 . regress fiveyrtotal pub\_70\_79

Source	SS	df	MS			
Model	4.86337839	1	4.86337839	Number of obs =	10270	
Residual	2156.8819	10268	.210058619	F( 1, 10268) =	23.15	
Total	2161.74528	10269	.210511761	Prob > F =	0.0000	
				R-squared =	0.0022	
				Adj R-squared =	0.0022	
				Root MSE =	.45832	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_70_79	.0437083	.0090838	4.81	0.000	.0259024	.0615142
_cons	.1266049	.0061202	20.69	0.000	.114608	.1386017

2 . regress fiveyrtotal pub\_in\_city

Source	SS	df	MS			
Model	16.3748945	1	16.3748945	Number of obs =	10270	
Residual	2145.37038	10268	.208937513	F( 1, 10268) =	78.37	
Total	2161.74528	10269	.210511761	Prob > F =	0.0000	
				R-squared =	0.0076	
				Adj R-squared =	0.0075	
				Root MSE =	.4571	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_in_city	.0799084	.0090263	8.85	0.000	.062215	.0976017
_cons	.107869	.0062716	17.20	0.000	.0955754	.1201626

3 . regress fiveyrtotal pub\_75ft

Source	SS	df	MS			
Model	6.44946854	1	6.44946854	Number of obs =	10270	
Residual	2155.29581	10268	.20990415	F( 1, 10268) =	30.73	
Total	2161.74528	10269	.210511761	Prob > F =	0.0000	
				R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45815	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_75ft	.0519929	.0093798	5.54	0.000	.0336067	.0703791
_cons	.127365	.0056823	22.41	0.000	.1162267	.1385033

4 . regress fiveyrtotal pub\_gates

Source	SS	df	MS			
Model	17.5150636	1	17.5150636	Number of obs =	10270	
Residual	2144.23021	10268	.208826472	F( 1, 10268) =	83.87	
Total	2161.74528	10269	.210511761	Prob > F =	0.0000	
				R-squared =	0.0081	
				Adj R-squared =	0.0080	
				Root MSE =	.45698	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_gates	.0842199	.0091961	9.16	0.000	.0661938	.102246
_cons	.0961026	.0071099	13.52	0.000	.0821658	.1100395

5 . regress fiveyrtotal pub\_whistle

Source	SS	df	MS	Number of obs = 10270		
Model	2.74377899	1	2.74377899	F( 1, 10268) =	13.05	
Residual	2159.0015	10268	.210265047	Prob > F =	0.0003	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45855	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_whistle	.0777457	.0215221	3.61	0.000	.0355581	.1199332
_cons	.1428426	.0046334	30.83	0.000	.1337601	.151925

6 . regress fiveyrtotal pub\_trn\_76\_90

Source	SS	df	MS	Number of obs = 10270		
Model	2.82216886	1	2.82216886	F( 1, 10268) =	13.42	
Residual	2158.92311	10268	.210257412	Prob > F =	0.0002	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45854	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_trn_7-90	.0746648	.0203798	3.66	0.000	.0347164	.1146132
_cons	.1425637	.0046471	30.68	0.000	.1334544	.151673

7 . regress fiveyrtotal pub\_u\_collector

Source	SS	df	MS	Number of obs = 10270		
Model	9.67974529	1	9.67974529	F( 1, 10268) =	46.18	
Residual	2152.06553	10268	.209589553	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0045	
				Adj R-squared =	0.0044	
				Root MSE =	.45781	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_u_coll~r	.111845	.0164577	6.80	0.000	.0795847	.1441053
_cons	.1372653	.0047152	29.11	0.000	.1280226	.146508

8 . regress fiveyrtotal pub\_ind

Source	SS	df	MS	Number of obs = 10270		
Model	4.89896935	1	4.89896935	F( 1, 10268) =	23.32	
Residual	2156.84631	10268	.210055153	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.45832	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_ind	.073475	.0152144	4.83	0.000	.0436518	.1032981
_cons	.1392487	.0047618	29.24	0.000	.1299147	.1485827

9 . generate pub\_com = public\* commercial  
**pub\_com already defined**  
r(110);

10 . regress fiveyrtotal pub\_com

Source	SS	df	MS	Number of obs = 10270		
Model	19.1699305	1	19.1699305	F( 1, 10268) =	91.87	
Residual	2142.57535	10268	.208665305	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0089	
				Adj R-squared =	0.0088	
				Root MSE =	.4568	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_com	.1032531	.0107725	9.58	0.000	.0821368	.1243694
_cons	.1230808	.0051245	24.02	0.000	.1130358	.1331258

11 . regress fiveyrtotal pub\_26\_35hwy

Source	SS	df	MS	Number of obs = 10270		
Model	10.3165012	1	10.3165012	F( 1, 10268) =	49.24	
Residual	2151.42878	10268	.20952754	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0048	
				Adj R-squared =	0.0047	
				Root MSE =	.45774	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_26_35hwy	.0866931	.0123549	7.02	0.000	.0624751	.1109112
_cons	.1326696	.0049251	26.94	0.000	.1230155	.1423237

12 . regress fiveyrtotal pub\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	20.7950842	1	20.7950842	F( 1, 10268) =	99.73	
Residual	2140.95019	10268	.208507031	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0096	
				Adj R-squared =	0.0095	
				Root MSE =	.45663	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_illum	.11471	.0114863	9.99	0.000	.0921946	.1372255
_cons	.1246544	.0050064	24.90	0.000	.1148409	.1344679

13 . regress fiveyrtotal pub\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	4.46063331	1	4.46063331	F( 1, 10268) =	21.23	
Residual	2157.28464	10268	.210097842	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0021	
				Adj R-squared =	0.0020	
				Root MSE =	.45836	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_quad	.1596926	.0346575	4.61	0.000	.0917571	.2276281
_cons	.1436782	.0045627	31.49	0.000	.1347344	.1526219

14 . regress fiveyrtotal pub\_trn\_46\_60

Source	SS	df	MS	Number of obs = 10270		
Model	7.74376057	1	7.74376057	F( 1, 10268) =	36.91	
Residual	2154.00152	10268	.209778099	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0036	
				Adj R-squared =	0.0035	
				Root MSE =	.45802	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_trn_4-60	.1166226	.0191949	6.08	0.000	.0789967	.1542484
_cons	.1395758	.0046589	29.96	0.000	.1304435	.1487081

15 . regress fiveyrtotal pub\_u\_min\_art

Source	SS	df	MS	Number of obs = 10270		
Model	15.394154	1	15.394154	F( 1, 10268) =	73.64	
Residual	2146.35112	10268	.209033027	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0071	
				Adj R-squared =	0.0070	
				Root MSE =	.4572	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_u_min_~t	.1435589	.0167286	8.58	0.000	.1107676	.1763502
_cons	.1351094	.0047009	28.74	0.000	.1258947	.1443242

16 . regress fiveyrtotal pub\_3\_4t1

Source	SS	df	MS	Number of obs = 10270		
Model	20.2113094	1	20.2113094	F( 1, 10268) =	96.91	
Residual	2141.53397	10268	.208563885	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0093	
				Adj R-squared =	0.0093	
				Root MSE =	.45669	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_3_4t1	.1692624	.0171942	9.84	0.000	.1355583	.2029664
_cons	.1338873	.0046835	28.59	0.000	.1247066	.1430679

17 . regress fiveyrtotal pub\_61\_75trn

Source	SS	df	MS	Number of obs = 10270		
Model	5.91432258	1	5.91432258	F( 1, 10268) =	28.17	
Residual	2155.83095	10268	.209956268	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0027	
				Adj R-squared =	0.0026	
				Root MSE =	.45821	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_61_75trn	.135879	.0256014	5.31	0.000	.0856952	.1860628
_cons	.1420666	.0045961	30.91	0.000	.1330573	.1510759

18 . regress fiveyrtotal pub\_u\_o\_prin\_art

Source	SS	df	MS	Number of obs = 10270		
Model	14.8381156	1	14.8381156	F( 1, 10268) =	70.97	
Residual	2146.90716	10268	.20908718	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0069	
				Adj R-squared =	0.0068	
				Root MSE =	.45726	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_u_o_pr~t	.2061234	.0244682	8.42	0.000	.158161	.2540858
_cons	.1391805	.0045938	30.30	0.000	.1301757	.1481852

19 . regress fiveyrtotal pub\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	3.19082045	1	3.19082045	F( 1, 10268) =	15.18	
Residual	2158.55446	10268	.210221509	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.4585	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_106_12~s	.2437244	.0625585	3.90	0.000	.1210975	.3663513
_cons	.1451644	.0045363	32.00	0.000	.1362725	.1540564

20 . regress fiveyrtotal pub\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	13.8441355	1	13.8441355	F( 1, 10268) =	66.18	
Residual	2147.90114	10268	.209183983	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0064	
				Adj R-squared =	0.0063	
				Root MSE =	.45737	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_91_105~s	.3720646	.0457351	8.14	0.000	.2824149	.4617143
_cons	.1427869	.0045355	31.48	0.000	.1338964	.1516774

21 . regress fiveyrtotal pub\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.3138851	1	5.3138851	F( 1, 10268) =	25.30	
Residual	2156.43139	10268	.210014744	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0025	
				Adj R-squared =	0.0024	
				Root MSE =	.45827	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_150trns	.3035442	.0603449	5.03	0.000	.1852564	.421832
_cons	.1447317	.0045349	31.91	0.000	.1358424	.153621

22 . regress fiveyrtotal pub\_trnspd\_80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	1.47295317	1	1.47295317	F( 1, 10268) =	7.00	
Residual	2160.27232	10268	.210388812	Prob > F =	0.0082	
Total	2161.74528	10269	.210511761	R-squared =	0.0007	
				Adj R-squared =	0.0006	
				Root MSE =	.45868	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_trnspd_89	.1876548	.0709213	2.65	0.008	.0486353	.3266743
_cons	.1456785	.0045354	32.12	0.000	.1367883	.1545688

23 . regress fiveyrtotal pub\_5\_6tl

Source	SS	df	MS	Number of obs = 10270		
Model	16.775619	1	16.775619	F( 1, 10268) =	80.31	
Residual	2144.96966	10268	.208898486	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0078	
				Adj R-squared =	0.0077	
				Root MSE =	.45705	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_5_6tl	.3510244	.0391711	8.96	0.000	.2742415	.4278074
_cons	.1417292	.0045407	31.21	0.000	.1328286	.1506298



24 . regress fiveyrtotal pub\_7tl

Source	SS	df	MS	Number of obs = 10270		
Model	10.9443024	1	10.9443024	F( 1, 10268) =	52.25	
Residual	2150.80098	10268	.209466398	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0051	
				Adj R-squared =	0.0050	
				Root MSE =	.45767	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
pub_7tl	.8548025	.1182576	7.23	0.000	.6229946	1.08661
_cons	.1451975	.0045195	32.13	0.000	.1363384	.1540565

25 . regress fiveyrtotal trnsp\_70\_79\_incity

Source	SS	df	MS	Number of obs = 10270		
Model	13.776666	1	13.776666	F( 1, 10268) =	65.86	
Residual	2147.96861	10268	.209190554	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0064	
				Adj R-squared =	0.0063	
				Root MSE =	.45737	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp_70_7~y	.0955882	.0117789	8.12	0.000	.0724993	.118677
_cons	.1293574	.0049803	25.97	0.000	.119595	.1391197

26 . regress fiveyrtotal trnsp70\_79\_hwy\_75

Source	SS	df	MS	Number of obs = 10270		
Model	2.7853358	1	2.7853358	F( 1, 10268) =	13.25	
Residual	2158.95994	10268	.210260999	Prob > F =	0.0003	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45854	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~75	.0429621	.0118039	3.64	0.000	.0198241	.0661001
_cons	.1387571	.0049936	27.79	0.000	.1289687	.1485456

27 . regress fiveyrtotal trnsp70\_79\_gates

Source	SS	df	MS	Number of obs = 10270		
Model	13.2033341	1	13.2033341	F( 1, 10268) =	63.10	
Residual	2148.54194	10268	.209246391	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0061	
				Adj R-squared =	0.0060	
				Root MSE =	.45743	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~es	.0772217	.0097214	7.94	0.000	.058166	.0962775
_cons	.1221591	.0054518	22.41	0.000	.1114724	.1328457

28 . regress fiveyrtotal trnsp70\_79\_whistle

Source	SS	df	MS	Number of obs = 10270		
Model	4.22478788	1	4.22478788	F( 1, 10268) =	20.11	
Residual	2157.52049	10268	.210120811	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0020	
				Adj R-squared =	0.0019	
				Root MSE =	.45839	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_79~e	.1919288	.0428028	4.48	0.000	.1080269	.2758306
_cons	.1442781	.004549	31.72	0.000	.1353612	.153195

29 . regress fiveyrtotal trnsp70\_79\_76\_90trns

Source	SS	df	MS	Number of obs = 10270		
Model	.028514365	1	.028514365	F( 1, 10268) =	0.14	
Residual	2161.71676	10268	.210529486	Prob > F =	0.7129	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45883	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp~90trns	-.0090239	.0245198	-0.37	0.713	-.0570875	.0390398
_cons	.1467649	.0046098	31.84	0.000	.1377287	.1558011

30 . regress fiveyrtotal trnsp70\_79\_u\_collect

Source	SS	df	MS	Number of obs = 10270		
Model	12.0740895	1	12.0740895	F( 1, 10268) =	57.67	
Residual	2149.67119	10268	.209356368	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0056	
				Adj R-squared =	0.0055	
				Root MSE =	.45755	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~ct	.1961624	.0258304	7.59	0.000	.1455297	.246795
_cons	.1402574	.004588	30.57	0.000	.1312641	.1492507

31 . regress fiveyrtotal trnsp70\_79\_Ind

Source	SS	df	MS	Number of obs = 10270		
Model	2.15518717	1	2.15518717	F( 1, 10268) =	10.25	
Residual	2159.59009	10268	.21032237	Prob > F =	0.0014	
Total	2161.74528	10269	.210511761	R-squared =	0.0010	
				Adj R-squared =	0.0009	
				Root MSE =	.45861	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~nd	.0750557	.0234468	3.20	0.001	.0290954	.121016
_cons	.1435373	.0046157	31.10	0.000	.1344896	.152585

32 . regress fiveyrtotal trnsp70\_79\_comm

Source	SS	df	MS	Number of obs = 10270		
Model	18.8252767	1	18.8252767	F( 1, 10268) =	90.20	
Residual	2142.92	10268	.20869887	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0087	
				Adj R-squared =	0.0086	
				Root MSE =	.45684	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~mm	.1489743	.0156856	9.50	0.000	.1182275	.1797211
_cons	.1329121	.0047278	28.11	0.000	.1236447	.1421794

33 . regress fiveyrtotal trnsp70\_79\_hwysp\_26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	13.7142028	1	13.7142028	F( 1, 10268) =	65.56	
Residual	2148.03107	10268	.209196638	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0063	
				Adj R-squared =	0.0062	
				Root MSE =	.45738	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~35	.1459699	.0180283	8.10	0.000	.1106308	.1813089
_cons	.1366388	.004673	29.24	0.000	.1274789	.1457988

34 . regress fiveyrtotal trnsp70\_79\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	22.064557	1	22.064557	F( 1, 10268) =	105.88	
Residual	2139.68072	10268	.208383397	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0102	
				Adj R-squared =	0.0101	
				Root MSE =	.45649	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~um	.1999885	.0194352	10.29	0.000	.1618917	.2380853
_cons	.1350542	.0046385	29.12	0.000	.1259618	.1441467

35 . regress fiveyrtotal trnsp70\_79\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	1.17217837	1	1.17217837	F( 1, 10268) =	5.57	
Residual	2160.5731	10268	.210418105	Prob > F =	0.0183	
Total	2161.74528	10269	.210511761	R-squared =	0.0005	
				Adj R-squared =	0.0004	
				Root MSE =	.45871	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~ad	.1159109	.0491099	2.36	0.018	.0196459	.2121758
_cons	.1454528	.004546	32.00	0.000	.1365418	.1543637

36 . regress fiveyrtotal trnsp70\_79\_40\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	4.14773212	1	4.14773212	F( 1, 10268) =	19.74	
Residual	2157.59755	10268	.210128316	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0019	
				Adj R-squared =	0.0018	
				Root MSE =	.4584	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp~60trns	.1061951	.0239024	4.44	0.000	.0593418	.1530485
_cons	.142496	.0046099	30.91	0.000	.1334597	.1515322

37 . regress fiveyrtotal trnsp70\_79\_U\_Min\_Art

Source	SS	df	MS	Number of obs = 10270		
Model	10.3081235	1	10.3081235	F( 1, 10268) =	49.20	
Residual	2151.43715	10268	.209528355	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0048	
				Adj R-squared =	0.0047	
				Root MSE =	.45774	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~rt	.1840212	.0262361	7.01	0.000	.1325933	.235449
_cons	.1408196	.0045875	30.70	0.000	.1318272	.1498121

38 . regress fiveyrtotal trnsp70\_79\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	13.9979751	1	13.9979751	F( 1, 10268) =	66.92	
Residual	2147.7473	10268	.209169001	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0065	
				Adj R-squared =	0.0064	
				Root MSE =	.45735	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_~4TL	.2414514	.0295152	8.18	0.000	.1835959	.299307
_cons	.1406624	.004568	30.79	0.000	.1317082	.1496166

39 . regress fiveyrtotal trnspd70\_79\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	4.60511845	1	4.60511845	F( 1, 10268) =	21.92	
Residual	2157.14016	10268	.210083771	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0021	
				Adj R-squared =	0.0020	
				Root MSE =	.45835	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnspd70_7~s	.2075889	.0443384	4.68	0.000	.120677	.2945008
_cons	.1442629	.0045468	31.73	0.000	.1353503	.1531756

40 . regress fiveyrtotal trnsp70\_79\_U\_o\_p\_arterial

Source	SS	df	MS	Number of obs = 10270	
Model	16.0419392	1	16.0419392	F( 1, 10268) =	76.77
Residual	2145.70334	10268	.208969939	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0074
				Adj R-squared =	0.0073
				Root MSE =	.45713

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_79~1	.3470043	.0396048	8.76	0.000	.2693711	.4246376
_cons	.1418846	.0045408	31.25	0.000	.1329838	.1507854

41 . regress fiveyrtotal trnsp70\_79\_106\_120trns

Source	SS	df	MS	Number of obs = 10270	
Model	5.50920977	1	5.50920977	F( 1, 10268) =	26.23
Residual	2156.23607	10268	.209995721	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0025
				Adj R-squared =	0.0025
				Root MSE =	.45825

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp~20trns	.479675	.09365	5.12	0.000	.2961028	.6632472
_cons	.145325	.0045272	32.10	0.000	.1364508	.1541992

42 . regress fiveyrtotal trnsp70\_79\_91\_105trns

Source	SS	df	MS	Number of obs = 10270	
Model	4.82071473	1	4.82071473	F( 1, 10268) =	22.95
Residual	2156.92456	10268	.210062774	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0022
				Adj R-squared =	0.0021
				Root MSE =	.45833

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp7~5trns	.2995737	.0625349	4.79	0.000	.1769931	.4221542
_cons	.1448708	.0045345	31.95	0.000	.1359822	.1537594

43 . regress fiveyrtotal trnsp70\_79\_150trns

Source	SS	df	MS	Number of obs = 10270	
Model	5.27079546	1	5.27079546	F( 1, 10268) =	25.10
Residual	2156.47448	10268	.210018941	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0024
				Adj R-squared =	0.0023
				Root MSE =	.45828

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp~50trns	.4002948	.0799045	5.01	0.000	.2436665	.5569232
_cons	.1451597	.0045294	32.05	0.000	.1362812	.1540383

44 . regress fiveyrtotal trnsp70\_79\_trnsp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_7~89	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

45 . regress fiveyrtotal trnsp70\_79\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	19.3156116	1	19.3156116	F( 1, 10268) =	92.57	
Residual	2142.42967	10268	.208651117	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0089	
				Adj R-squared =	0.0088	
				Root MSE =	.45678	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_~6TL	.5889081	.0612074	9.62	0.000	.4689297	.7088864
_cons	.1432348	.0045197	31.69	0.000	.1343752	.1520943

46 . regress fiveyrtotal trnsp70\_79\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	10.5692424	1	10.5692424	F( 1, 10268) =	50.45	
Residual	2151.17604	10268	.209502925	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0049	
				Adj R-squared =	0.0048	
				Root MSE =	.45771	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trnsp70_~7TL	1.454262	.2047462	7.10	0.000	1.05292	1.855604
_cons	.1457379	.0045177	32.26	0.000	.1368824	.1545935

47 . regress fiveyrtotal incity\_hwy75

Source	SS	df	MS	Number of obs = 10270		
Model	10.4846549	1	10.4846549	F( 1, 10268) =	50.04	
Residual	2151.26062	10268	.209511163	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0049	
				Adj R-squared =	0.0048	
				Root MSE =	.45772	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_hwy75	.0755916	.0106856	7.07	0.000	.0546457	.0965376
_cons	.1288398	.005157	24.98	0.000	.1187311	.1389485

48 . regress fiveyrtotal incity\_gate

Source	SS	df	MS	Number of obs = 10270		
Model	16.8895428	1	16.8895428	F( 1, 10268) =	80.85	
Residual	2144.85573	10268	.208887391	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0078	
				Adj R-squared =	0.0077	
				Root MSE =	.45704	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_gate	.0840402	.0093462	8.99	0.000	.0657199	.1023605
_cons	.1154321	.0056776	20.33	0.000	.1043028	.1265614

49 . regress fiveyrtotal incity\_whistle

Source	SS	df	MS	Number of obs = 10270		
Model	2.53410608	1	2.53410608	F( 1, 10268) =	12.05	
Residual	2159.21117	10268	.210285467	Prob > F =	0.0005	
Total	2161.74528	10269	.210511761	R-squared =	0.0012	
				Adj R-squared =	0.0011	
				Root MSE =	.45857	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_whi~e	.075398	.0217196	3.47	0.001	.0328233	.1179726
_cons	.1430174	.0046315	30.88	0.000	.1339387	.1520962

50 . regress fiveyrtotal incity\_76\_90trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.92961819	1	2.92961819	F( 1, 10268) =	13.93	
Residual	2158.81566	10268	.210246948	Prob > F =	0.0002	
Total	2161.74528	10269	.210511761	R-squared =	0.0014	
				Adj R-squared =	0.0013	
				Root MSE =	.45853	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_76~s	.091589	.0245359	3.73	0.000	.0434938	.1396843
_cons	.1432176	.0046065	31.09	0.000	.1341879	.1522473

51 . regress fiveyrtotal incity\_u\_collector

Source	SS	df	MS	Number of obs = 10270		
Model	9.58832244	1	9.58832244	F( 1, 10268) =	45.75	
Residual	2152.15696	10268	.209598457	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0044	
				Adj R-squared =	0.0043	
				Root MSE =	.45782	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_u_c~r	.1214832	.0179613	6.76	0.000	.0862754	.1566909
_cons	.1382012	.0046792	29.54	0.000	.1290291	.1473733

52 . regress fiveyrtotal incity\_Ind

Source	SS	df	MS	Number of obs = 10270		
Model	3.47429066	1	3.47429066	F( 1, 10268) =	16.53	
Residual	2158.27099	10268	.210193902	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0016	
				Adj R-squared =	0.0015	
				Root MSE =	.45847	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_Ind	.0652771	.016056	4.07	0.000	.0338042	.09675
_cons	.14077	.0047345	29.73	0.000	.1314893	.1500506

53 . regress fiveyrtotal incity\_comm

Source	SS	df	MS	Number of obs = 10270		
Model	14.5306489	1	14.5306489	F( 1, 10268) =	69.49	
Residual	2147.21463	10268	.209117124	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0067	
				Adj R-squared =	0.0066	
				Root MSE =	.45729	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_comm	.0943656	.0113205	8.34	0.000	.0721752	.116556
_cons	.1277474	.0050392	25.35	0.000	.1178696	.1376253

54 . regress fiveyrtotal incity\_hwy\_26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	13.1255658	1	13.1255658	F( 1, 10268) =	62.73	
Residual	2148.61971	10268	.209253965	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0061	
				Adj R-squared =	0.0060	
				Root MSE =	.45744	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_hw~35	.1110081	.0140163	7.92	0.000	.0835335	.1384827
_cons	.1333995	.0048051	27.76	0.000	.1239806	.1428184

55 . regress fiveyrtotal incity\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	17.0352412	1	17.0352412	F( 1, 10268) =	81.56	
Residual	2144.71004	10268	.208873202	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0079	
				Adj R-squared =	0.0078	
				Root MSE =	.45703	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_illum	.1075958	.0119141	9.03	0.000	.0842418	.1309499
_cons	.1277974	.0049601	25.77	0.000	.1180747	.1375201



```
56 . tabulate incity_Illum, (fiveyrtotal)
    option ( not allowed
    r(198));
```

```
57 . tabulate incity_Illum, sum(fiveyrtotal)
```

incity_Illum	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.12779741	.42180242	8490
1	.23539326	.59714998	1780
Total	.14644596	.45881561	10270

```
58 . tabulate incity_quad, sum(fiveyrtotal)
```

incity_quad	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14380051	.45510034	10146
1	.36290323	.66668306	124
Total	.14644596	.45881561	10270

```
59 . regress fiveyrtotal incity_quad
```

Source	SS	df	MS	Number of obs = 10270	
Model	5.88087043	1	5.88087043	F( 1, 10268) =	28.01
Residual	2155.86441	10268	.209959525	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0027
				Adj R-squared =	0.0026
				Root MSE =	.45821

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_quad	.2191027	.0413995	5.29	0.000	.1379517	.3002537
_cons	.1438005	.004549	31.61	0.000	.1348835	.1527175

```
60 . regress fiveyrtotal incity_46_60trns
```

Source	SS	df	MS	Number of obs = 10270	
Model	5.98326443	1	5.98326443	F( 1, 10268) =	28.50
Residual	2155.76201	10268	.209949553	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0028
				Adj R-squared =	0.0027
				Root MSE =	.4582

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_46_~s	.1290174	.0241678	5.34	0.000	.0816438	.1763909
_cons	.1417601	.0046058	30.78	0.000	.1327319	.1507884

61 . regress fiveyrtotal incity\_u\_m\_art

Source	SS	df	MS	Number of obs = 10270		
Model	11.8579257	1	11.8579257	F( 1, 10268) =	56.63	
Residual	2149.88735	10268	.20937742	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0055	
				Adj R-squared =	0.0054	
				Root MSE =	.45758	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_u_m~t	.135915	.0180604	7.53	0.000	.100513	.1713169
_cons	.1373408	.0046745	29.38	0.000	.1281779	.1465038

62 . regress fiveyrtotal incity\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	19.1620187	1	19.1620187	F( 1, 10268) =	91.83	
Residual	2142.58326	10268	.208666075	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0089	
				Adj R-squared =	0.0088	
				Root MSE =	.4568	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_3_4TL	.1752829	.0182913	9.58	0.000	.1394283	.2111374
_cons	.135062	.0046615	28.97	0.000	.1259246	.1441993

63 . regress fiveyrtotal incity\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	14.0204354	1	14.0204354	F( 1, 10268) =	67.03	
Residual	2147.72484	10268	.209166814	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0065	
				Adj R-squared =	0.0064	
				Root MSE =	.45735	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_61_~s	.2598617	.0317401	8.19	0.000	.1976449	.3220784
_cons	.1410817	.0045603	30.94	0.000	.1321427	.1500207

64 . regress fiveyrtotal incity\_u\_o\_p\_art

Source	SS	df	MS	Number of obs = 10270		
Model	14.5427685	1	14.5427685	F( 1, 10268) =	69.54	
Residual	2147.20251	10268	.209115944	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0067	
				Adj R-squared =	0.0066	
				Root MSE =	.45729	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_u_o~t	.2152841	.0258156	8.34	0.000	.1646805	.2658877
_cons	.1396541	.0045853	30.46	0.000	.130666	.1486422

65 . regress fiveyrtotal incity\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.60414523	1	2.60414523	F( 1, 10268) =	12.38	
Residual	2159.14113	10268	.210278646	Prob > F =	0.0004	
Total	2161.74528	10269	.210511761	R-squared =	0.0012	
				Adj R-squared =	0.0011	
				Root MSE =	.45856	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_106~s	.2106967	.0598718	3.52	0.000	.0933362	.3280572
_cons	.1452355	.004538	32.00	0.000	.1363402	.1541309

66 . regress fiveyrtotal incity\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	19.6237463	1	19.6237463	F( 1, 10268) =	94.06	
Residual	2142.12153	10268	.208621107	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0091	
				Adj R-squared =	0.0090	
				Root MSE =	.45675	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_91~s	.5735717	.0591393	9.70	0.000	.4576472	.6894961
_cons	.143095	.0045203	31.66	0.000	.1342344	.1519557

67 . regress fiveyrtotal incity\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.13728911	1	5.13728911	F( 1, 10268) =	24.46	
Residual	2156.60799	10268	.210031943	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0024	
				Adj R-squared =	0.0023	
				Root MSE =	.45829	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_150~s	.2959321	.0598367	4.95	0.000	.1786405	.4132237
_cons	.1447459	.0045353	31.92	0.000	.1358557	.153636

68 . regress fiveyrtotal incity\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	1.91646653	1	1.91646653	F( 1, 10268) =	9.11	
Residual	2159.82881	10268	.210345619	Prob > F =	0.0025	
Total	2161.74528	10269	.210511761	R-squared =	0.0009	
				Adj R-squared =	0.0008	
				Root MSE =	.45863	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_sp~89	.2889838	.0957392	3.02	0.003	.1013164	.4766513
_cons	.1457988	.0045307	32.18	0.000	.1369177	.1546799

69 . regress fiveyrtotal incity\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	7.62996553	1	7.62996553	F( 1, 10268) =	36.37	
Residual	2154.11531	10268	.209789181	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0035	
				Adj R-squared =	0.0034	
				Root MSE =	.45803	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_5_6TL	.2485796	.0412188	6.03	0.000	.1677826	.3293766
_cons	.1434204	.0045474	31.54	0.000	.1345066	.1523342

70 . regress fiveyrtotal incity\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	11.9946507	1	11.9946507	F( 1, 10268) =	57.29	
Residual	2149.75063	10268	.209364105	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0055	
				Adj R-squared =	0.0055	
				Root MSE =	.45756	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
incity_7TL	.9262453	.1223724	7.57	0.000	.6863716	1.166119
_cons	.1451833	.0045182	32.13	0.000	.1363268	.1540398

71 . regress fiveyrtotal hwy75\_gate

Source	SS	df	MS	Number of obs = 10270		
Model	11.4781712	1	11.4781712	F( 1, 10268) =	54.81	
Residual	2150.26711	10268	.209414405	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0053	
				Adj R-squared =	0.0052	
				Root MSE =	.45762	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_gate	.0765372	.0103381	7.40	0.000	.0562726	.0968019
_cons	.1268012	.0052375	24.21	0.000	.1165346	.1370677

72 . regress fiveyrtotal hwy75\_whistle

Source	SS	df	MS	Number of obs = 10270		
Model	2.18728347	1	2.18728347	F( 1, 10268) =	10.40	
Residual	2159.55799	10268	.210319244	Prob > F =	0.0013	
Total	2161.74528	10269	.210511761	R-squared =	0.0010	
				Adj R-squared =	0.0009	
				Root MSE =	.45861	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_whis~e	.1056107	.0327488	3.22	0.001	.0414167	.1698047
_cons	.1443893	.0045701	31.59	0.000	.135431	.1533475

73 . regress fiveyrtotal hwy75\_76\_90trns

Source	SS	df	MS	Number of obs = 10270		
Model	4.03760465	1	4.03760465	F( 1, 10268) =	19.21	
Residual	2157.70767	10268	.210139041	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0019	
				Adj R-squared =	0.0018	
				Root MSE =	.45841	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_76_9~s	.1394516	.0318137	4.38	0.000	.0770904	.2018127
_cons	.1435673	.0045709	31.41	0.000	.1346075	.1525271

74 . regress fiveyrtotal hwy75\_u\_collector

Source	SS	df	MS	Number of obs = 10270		
Model	2.75363289	1	2.75363289	F( 1, 10268) =	13.10	
Residual	2158.99164	10268	.210264087	Prob > F =	0.0003	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45855	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_u_co~r	.085251	.0235575	3.62	0.000	.0390737	.1314283
_cons	.1431754	.0046142	31.03	0.000	.1341307	.15222

75 . regress fiveyrtotal hwy75\_ind

Source	SS	df	MS	Number of obs = 10270		
Model	5.21584108	1	5.21584108	F( 1, 10268) =	24.83	
Residual	2156.52944	10268	.210024293	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0024	
				Adj R-squared =	0.0023	
				Root MSE =	.45828	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_ind	.1079508	.021662	4.98	0.000	.0654891	.1504125
_cons	.1415162	.0046291	30.57	0.000	.1324422	.1505902

76 . regress fiveyrtotal hwy75\_com

Source	SS	df	MS	Number of obs = 10270		
Model	9.41507559	1	9.41507559	F( 1, 10268) =	44.92	
Residual	2152.3302	10268	.209615329	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0044	
				Adj R-squared =	0.0043	
				Root MSE =	.45784	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_com	.0934497	.0139437	6.70	0.000	.0661174	.1207821
_cons	.1353084	.0048137	28.11	0.000	.1258725	.1447443

77 . regress fiveyrtotal hwy75\_hwy26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	4.9212767	1	4.9212767	F( 1, 10268) =	23.43	
Residual	2156.824	10268	.21005298	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.45832	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_hwy~35	.0902285	.018641	4.84	0.000	.0536885	.1267685
_cons	.1407792	.0046716	30.14	0.000	.131622	.1499364

78 . regress fiveyrtotal hwy75\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	11.9022516	1	11.9022516	F( 1, 10268) =	56.85	
Residual	2149.84303	10268	.209373103	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0055	
				Adj R-squared =	0.0054	
				Root MSE =	.45757	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_illum	.1092145	.0144853	7.54	0.000	.0808206	.1376084
_cons	.1345355	.0047835	28.12	0.000	.1251588	.1439122

79 . regress fiveyrtotal hwy75\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	1.15449712	1	1.15449712	F( 1, 10268) =	5.49	
Residual	2160.59078	10268	.210419827	Prob > F =	0.0192	
Total	2161.74528	10269	.210511761	R-squared =	0.0005	
				Adj R-squared =	0.0004	
				Root MSE =	.45872	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_quad	.1297884	.0554093	2.34	0.019	.0211753	.2384014
_cons	.145574	.0045417	32.05	0.000	.1366713	.1544767

80 . regress fiveyrtotal hwy75\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.87257934	1	2.87257934	F( 1, 10268) =	13.66	
Residual	2158.8727	10268	.210252503	Prob > F =	0.0002	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45853	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_46_6~s	.1036009	.0280284	3.70	0.000	.0486598	.158542
_cons	.1436718	.0045865	31.33	0.000	.1346814	.1526622

81 . regress fiveyrtotal hwy75\_u\_min\_art

Source	SS	df	MS	Number of obs = 10270		
Model	11.2786548	1	11.2786548	F( 1, 10268) =	53.85	
Residual	2150.46662	10268	.209433835	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0052	
				Adj R-squared =	0.0051	
				Root MSE =	.45764	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_u_mi~t	.1698682	.0231477	7.34	0.000	.1244943	.2152421
_cons	.1397141	.0046081	30.32	0.000	.1306814	.1487468

82 . regress fiveyrtotal hwy75\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	7.60114271	1	7.60114271	F( 1, 10268) =	36.23	
Residual	2154.14413	10268	.209791988	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0035	
				Adj R-squared =	0.0034	
				Root MSE =	.45803	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_3_4TL	.1411253	.0234455	6.02	0.000	.0951675	.1870831
_cons	.1409906	.0046097	30.59	0.000	.1319547	.1500264

83 . regress fiveyrtotal hwy75\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.24653562	1	5.24653562	F( 1, 10268) =	24.98	
Residual	2156.49874	10268	.210021303	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0024	
				Adj R-squared =	0.0023	
				Root MSE =	.45828	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_61_7~s	.1853842	.037091	5.00	0.000	.1126787	.2580897
_cons	.143648	.0045567	31.52	0.000	.1347161	.15258

84 . regress fiveyrtotal hwy75\_u\_o\_p\_art

Source	SS	df	MS	Number of obs = 10270		
Model	5.31285837	1	5.31285837	F( 1, 10268) =	25.30	
Residual	2156.43242	10268	.210014844	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0025	
				Adj R-squared =	0.0024	
				Root MSE =	.45827	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_u_o~t	.1798316	.0357542	5.03	0.000	.1097464	.2499167
_cons	.1435217	.0045593	31.48	0.000	.1345846	.1524589

85 . regress fiveyrtotal hwy75\_106\_120trns

Source	SS	df	MS	Number of obs = 10270	
Model	2.40400379	1	2.40400379	F( 1, 10268) =	11.43
Residual	2159.34127	10268	.210298137	Prob > F =	0.0007
Total	2161.74528	10269	.210511761	R-squared =	0.0011
				Adj R-squared =	0.0010
				Root MSE =	.45858

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_106_~s	.298784	.0883705	3.38	0.001	.1255605	.4720075
_cons	.1456605	.0045311	32.15	0.000	.1367786	.1545423

86 . regress fiveyrtotal hwy75\_91\_105trns

Source	SS	df	MS	Number of obs = 10270	
Model	11.267528	1	11.267528	F( 1, 10268) =	53.80
Residual	2150.47775	10268	.209434919	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0052
				Adj R-squared =	0.0051
				Root MSE =	.45764

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_91_1~s	.4758708	.0648783	7.33	0.000	.3486968	.6030449
_cons	.1441292	.0045269	31.84	0.000	.1352556	.1530027

87 . regress fiveyrtotal hwy75\_150trns

Source	SS	df	MS	Number of obs = 10270	
Model	.622352948	1	.622352948	F( 1, 10268) =	2.96
Residual	2161.12292	10268	.210471652	Prob > F =	0.0855
Total	2161.74528	10269	.210511761	R-squared =	0.0003
				Adj R-squared =	0.0002
				Root MSE =	.45877

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_150t~s	.2109845	.1226956	1.72	0.086	-.0295228	.4514918
_cons	.1461583	.0045301	32.26	0.000	.1372785	.1550382

88 . regress fiveyrtotal hwy75\_80\_89sp

Source	SS	df	MS	Number of obs = 10270	
Model	3.80058604	1	3.80058604	F( 1, 10268) =	18.08
Residual	2157.94469	10268	.210162124	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0018
				Adj R-squared =	0.0017
				Root MSE =	.45843

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_80_8~p	.4258534	.100141	4.25	0.000	.2295574	.6221493
_cons	.1455752	.0045283	32.15	0.000	.1366988	.1544516



89 . regress fiveyrtotal hwy75\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	15.4453037	1	15.4453037	F( 1, 10268) =	73.89	
Residual	2146.29997	10268	.209028046	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0071	
				Adj R-squared =	0.0070	
				Root MSE =	.4572	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_5_6TL	.4466902	.0519649	8.60	0.000	.3448288	.5485516
_cons	.1430534	.0045287	31.59	0.000	.1341763	.1519305

90 . regress fiveyrtotal hwy75\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	3.25135407	1	3.25135407	F( 1, 10268) =	15.47	
Residual	2158.49392	10268	.210215614	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.45849	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy75_7TL	.5208293	.1324329	3.93	0.000	.2612351	.7804235
_cons	.1458374	.0045269	32.22	0.000	.1369638	.154711

91 . generate gate\_whistle = wd\_8\* whistban

92 . regress fiveyrtotal gate\_whistle

Source	SS	df	MS	Number of obs = 10270		
Model	.759727763	1	.759727763	F( 1, 10268) =	3.61	
Residual	2160.98555	10268	.210458273	Prob > F =	0.0575	
Total	2161.74528	10269	.210511761	R-squared =	0.0004	
				Adj R-squared =	0.0003	
				Root MSE =	.45876	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_whistle	.0446704	.0235112	1.90	0.057	-.001416	.0907569
_cons	.1447235	.0046168	31.35	0.000	.1356738	.1537732

93 . generate gate\_76\_90trns = wd\_8\* trn\_76\_90

94 . regress fiveyrtotal gate\_76\_90trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.40720541	1	2.40720541	F( 1, 10268) =	11.45	
Residual	2159.33807	10268	.210297825	Prob > F =	0.0007	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.45858	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_76_90~s	.0752769	.0222496	3.38	0.001	.0316633	.1188905
_cons	.1431915	.0046262	30.95	0.000	.1341232	.1522599

95 . generate gate\_uc = wd\_8\* u\_collector

96 . regress fiveyrtotal gate\_uc

Source	SS	df	MS	Number of obs = 10270		
Model	8.9392084	1	8.9392084	F( 1, 10268) =	42.64	
Residual	2152.80607	10268	.209661674	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0041	
				Adj R-squared =	0.0040	
				Root MSE =	.45789	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_uc	.1154751	.0176847	6.53	0.000	.0808096	.1501406
_cons	.1383391	.0046858	29.52	0.000	.1291541	.1475241

97 . generate gate\_ind = wd\_8\* industrial

98 . regress fiveyrtotal gate\_ind

Source	SS	df	MS	Number of obs = 10270		
Model	6.01556683	1	6.01556683	F( 1, 10268) =	28.65	
Residual	2155.72971	10268	.209946407	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0028	
				Adj R-squared =	0.0027	
				Root MSE =	.4582	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_ind	.0910899	.0170171	5.35	0.000	.057733	.1244467
_cons	.1394834	.0047047	29.65	0.000	.1302612	.1487056

99 . generate gate\_com = wd\_8\* commercial

100 . regress fiveyrtotal gate\_com

Source	SS	df	MS	Number of obs = 10270		
Model	19.3762017	1	19.3762017	F( 1, 10268) =	92.87	
Residual	2142.36908	10268	.208645216	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0090	
				Adj R-squared =	0.0089	
				Root MSE =	.45678	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_com	.1112989	.0115494	9.64	0.000	.0886598	.1339381
_cons	.1255842	.0050002	25.12	0.000	.1157827	.1353856

101 . generate gate\_hwy26\_35 = wd\_8\* hwysp\_26\_35

102 . regress fiveyrtotal gate\_hwy26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	10.3305387	1	10.3305387	F( 1, 10268) =	49.30	
Residual	2151.41474	10268	.209526172	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0048	
				Adj R-squared =	0.0047	
				Root MSE =	.45774	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_hwy2~35	.0988022	.014071	7.02	0.000	.0712204	.1263841
_cons	.1349206	.0048058	28.07	0.000	.1255003	.144341

103 . generate gate\_illum = wd\_8\* illumina

104 . regress fiveyrtotal gate\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	17.7038781	1	17.7038781	F( 1, 10268) =	84.79	
Residual	2144.0414	10268	.208808083	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0082	
				Adj R-squared =	0.0081	
				Root MSE =	.45696	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_illum	.1179563	.0128103	9.21	0.000	.0928456	.1430671
_cons	.1293555	.0048761	26.53	0.000	.1197973	.1389137

105 . generate gate\_46\_60trns = wd\_8\* trn\_46\_60

106 . regress fiveyrtotal gate\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	8.90337363	1	8.90337363	F( 1, 10268) =	42.46	
Residual	2152.8419	10268	.209665164	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0041	
				Adj R-squared =	0.0040	
				Root MSE =	.45789	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_46_60~s	.1351592	.0207411	6.52	0.000	.0945026	.1758158
_cons	.1396946	.0046356	30.14	0.000	.1306079	.1487812

107 . generate gate\_uma = wd\_8\* u\_minor\_arterial

108 . regress fiveyrtotal gate\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	16.7128625	1	16.7128625	F( 1, 10268) =	80.00	
Residual	2145.03242	10268	.208904598	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0077	
				Adj R-squared =	0.0076	
				Root MSE =	.45706	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_uma	.1595415	.017837	8.94	0.000	.1245774	.1945055
_cons	.135494	.0046734	28.99	0.000	.1263332	.1446547

109 . generate gate\_3\_4TL = wd\_8\* tl\_3\_4

110 . regress fiveyrtotal gate\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	18.9341172	1	18.9341172	F( 1, 10268) =	90.73	
Residual	2142.81116	10268	.20868827	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0088	
				Adj R-squared =	0.0087	
				Root MSE =	.45682	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_3_4TL	.1717455	.0180307	9.53	0.000	.1364019	.2070892
_cons	.1349405	.0046668	28.91	0.000	.1257926	.1440884

111 . generate gate\_61\_75trns = wd\_8\* trn\_61\_75

112 . regress fiveyrtotal gate\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.83302291	1	5.83302291	F( 1, 10268) =	27.78	
Residual	2155.91225	10268	.209964185	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0027	
				Adj R-squared =	0.0026	
				Root MSE =	.45822	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_61_75~s	.1473696	.0279598	5.27	0.000	.092563	.2021762
_cons	.1424855	.0045836	31.09	0.000	.1335008	.1514702

113 . generate gate\_uopa = wd\_8\* u\_oth\_prin\_arterial

114 . regress fiveyrtotal gate\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	12.3743373	1	12.3743373	F( 1, 10268) =	59.11	
Residual	2149.37094	10268	.209327127	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0057	
				Adj R-squared =	0.0056	
				Root MSE =	.45752	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_uopa	.1982906	.0257902	7.69	0.000	.1477369	.2488443
_cons	.1401709	.0045879	30.55	0.000	.1311778	.149164

115 . generate gate\_106\_120trns = wd\_8\* trn\_106\_120

116 . regress fiveyrtotal gate\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	3.52138134	1	3.52138134	F( 1, 10268) =	16.75	
Residual	2158.2239	10268	.210189316	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0016	
				Adj R-squared =	0.0015	
				Root MSE =	.45846	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_106_1~s	.2714896	.0663288	4.09	0.000	.1414723	.4015069
_cons	.1451771	.0045346	32.02	0.000	.1362884	.1540657

117 . generate gate\_91\_105trns = wd\_8\* trn\_91\_105

118 . regress fiveyrtotal gate\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	14.4118719	1	14.4118719	F( 1, 10268) =	68.91	
Residual	2147.33341	10268	.209128692	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0067	
				Adj R-squared =	0.0066	
				Root MSE =	.45731	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_91_10~s	.4087407	.0492373	8.30	0.000	.312226	.5052555
_cons	.1429834	.0045318	31.55	0.000	.1341002	.1518666

119 . generate gate\_150trns = wd\_8\* trn\_150\_more

120 . regress fiveyrtotal gate\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.3138851	1	5.3138851	F( 1, 10268) =	25.30	
Residual	2156.43139	10268	.210014744	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0025	
				Adj R-squared =	0.0024	
				Root MSE =	.45827	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_150trns	.3035442	.0603449	5.03	0.000	.1852564	.421832
_cons	.1447317	.0045349	31.91	0.000	.1358424	.153621

121 . generate gate\_80\_89sp = wd\_8\* sp\_80\_89

122 . regress fiveyrtotal gate\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	2.1234722	1	2.1234722	F( 1, 10268) =	10.10	
Residual	2159.62181	10268	.210325458	Prob > F =	0.0015	
Total	2161.74528	10269	.210511761	R-squared =	0.0010	
				Adj R-squared =	0.0009	
				Root MSE =	.45861	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_80_89sp	.2432958	.0765697	3.18	0.001	.0932041	.3933874
_cons	.1455931	.0045334	32.12	0.000	.1367068	.1544795

123 . generate gate\_5\_6TL = wd\_8\* tl\_5\_6

124 . regress fiveyrtotal gate\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	18.1671091	1	18.1671091	F( 1, 10268) =	87.02	
Residual	2143.57817	10268	.208762969	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0084	
				Adj R-squared =	0.0083	
				Root MSE =	.45691	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_5_6TL	.38664	.0414468	9.33	0.000	.3053962	.4678837
_cons	.1418153	.0045358	31.27	0.000	.1329242	.1507064

125 . generate gate\_7TL = wd\_8\* tl\_7\_more

126 . regress fiveyrtotal gate\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	6.40476053	1	6.40476053	F( 1, 10268) =	30.51	
Residual	2155.34052	10268	.209908504	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45816	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gate_7TL	.7634627	.1382138	5.52	0.000	.4925367	1.034389
_cons	.1456282	.0045234	32.19	0.000	.1367615	.1544949

127 . generate wban\_76\_90trns = whistban\* trn\_76\_90

128 . regress fiveyrtotal wban\_76\_90trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.25395874	1	2.25395874	F( 1, 10268) =	10.72	
Residual	2159.49132	10268	.21031275	Prob > F =	0.0011	
Total	2161.74528	10269	.210511761	R-squared =	0.0010	
				Adj R-squared =	0.0009	
				Root MSE =	.4586	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_76_90~s	.3541748	.1081876	3.27	0.001	.142106	.5662436
_cons	.1458252	.0045293	32.20	0.000	.1369469	.1547035

129 . generate wban\_uc = whistban\* u\_collector

130 . regress fiveyrtotal wban\_uc

Source	SS	df	MS	Number of obs = 10270		
Model	.285122171	1	.285122171	F( 1, 10268) =	1.35	
Residual	2161.46016	10268	.210504495	Prob > F =	0.2445	
Total	2161.74528	10269	.210511761	R-squared =	0.0001	
				Adj R-squared =	0.0000	
				Root MSE =	.45881	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_uc	.0588489	.0505654	1.16	0.245	-.0402692	.157967
_cons	.1459704	.0045458	32.11	0.000	.1370598	.154881

131 . generate wban\_ind = whistban\* industrial

132 . regress fiveyrtotal wban\_ind

Source	SS	df	MS	Number of obs = 10270		
Model	.417263323	1	.417263323	F( 1, 10268) =	1.98	
Residual	2161.32801	10268	.210491626	Prob > F =	0.1592	
Total	2161.74528	10269	.210511761	R-squared =	0.0002	
				Adj R-squared =	0.0001	
				Root MSE =	.45879	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_ind	.0669326	.047539	1.41	0.159	-.0262531	.1601184
_cons	.1458333	.0045481	32.06	0.000	.1369182	.1547485

133 . generate wban\_com = whistban\* commercial

134 . regress fiveyrtotal wban\_com

Source	SS	df	MS	Number of obs = 10270		
Model	2.28681232	1	2.28681232	F( 1, 10268) =	10.87	
Residual	2159.45847	10268	.210309551	Prob > F =	0.0010	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.4586	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_com	.1212421	.0367678	3.30	0.001	.04917	.1933141
_cons	.1445807	.0045605	31.70	0.000	.1356413	.1535201

135 . generate wban\_hwy26\_35 = whistban\* hwysp\_26\_35

136 . regress fiveyrtotal wban\_hwy26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	2.04924839	1	2.04924839	F( 1, 10268) =	9.74	
Residual	2159.69603	10268	.210332687	Prob > F =	0.0018	
Total	2161.74528	10269	.210511761	R-squared =	0.0009	
				Adj R-squared =	0.0009	
				Root MSE =	.45862	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_hwy2~35	.108239	.0346769	3.12	0.002	.0402656	.1762125
_cons	.14457	.0045653	31.67	0.000	.1356212	.1535187

137 . generate wban\_illum = whistban\* illumina

138 . regress fiveyrtotal wban\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	2.40871122	1	2.40871122	F( 1, 10268) =	11.45	
Residual	2159.33657	10268	.210297679	Prob > F =	0.0007	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.45858	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_illum	.093716	.027691	3.38	0.001	.0394362	.1479958
_cons	.1438726	.0045886	31.35	0.000	.1348781	.1528672

139 . generate wban\_quad = whistban\* wd\_9

140 . regress fiveyrtotal wban\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	2.84065129	1	2.84065129	F( 1, 10268) =	13.51	
Residual	2158.90463	10268	.210255612	Prob > F =	0.0002	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45854	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_quad	.2321104	.063148	3.68	0.000	.108328	.3558927
_cons	.1452481	.0045364	32.02	0.000	.1363559	.1541404



141 . generate wban\_46\_60trns = whistban\* trn\_46\_60

142 . regress fiveyrtotal wban\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	1.15449712	1	1.15449712	F( 1, 10268) =	5.49	
Residual	2160.59078	10268	.210419827	Prob > F =	0.0192	
Total	2161.74528	10269	.210511761	R-squared =	0.0005	
				Adj R-squared =	0.0004	
				Root MSE =	.45872	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_46_60~s	.1297884	.0554093	2.34	0.019	.0211753	.2384014
_cons	.145574	.0045417	32.05	0.000	.1366713	.1544767

143 . generate wban\_uma = whistban\* u\_minor\_arterial

144 . regress fiveyrtotal wban\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	.667335773	1	.667335773	F( 1, 10268) =	3.17	
Residual	2161.07794	10268	.210467271	Prob > F =	0.0750	
Total	2161.74528	10269	.210511761	R-squared =	0.0003	
				Adj R-squared =	0.0002	
				Root MSE =	.45877	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_uma	.0776148	.0435877	1.78	0.075	-.0078257	.1630552
_cons	.1455995	.0045519	31.99	0.000	.136677	.154522

145 . generate wban\_3\_4TL = whistban\* tl\_3\_4

146 . regress fiveyrtotal wban\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	2.65889801	1	2.65889801	F( 1, 10268) =	12.64	
Residual	2159.08638	10268	.210273313	Prob > F =	0.0004	
Total	2161.74528	10269	.210511761	R-squared =	0.0012	
				Adj R-squared =	0.0011	
				Root MSE =	.45856	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_3_4TL	.1599513	.044981	3.56	0.000	.0717798	.2481228
_cons	.1448106	.0045482	31.84	0.000	.1358953	.153726

147 . generate wban\_61\_75trns = whistban\* trn\_61\_75

148 . regress fiveyrtotal wban\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	3.25135407	1	3.25135407	F( 1, 10268) =	15.47	
Residual	2158.49392	10268	.210215614	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.45849	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_61_75~s	.5208293	.1324329	3.93	0.000	.2612351	.7804235
_cons	.1458374	.0045269	32.22	0.000	.1369638	.154711

149 . generate wban\_uopa = whistban\* u\_oth\_prin\_arterial

150 . regress fiveyrtotal wban\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	2.81404764	1	2.81404764	F( 1, 10268) =	13.38	
Residual	2158.93123	10268	.210258203	Prob > F =	0.0003	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45854	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_uopa	.2593767	.0708993	3.66	0.000	.1204003	.3983531
_cons	.1453852	.004534	32.07	0.000	.1364977	.1542727

151 . generate wban\_106\_120trns = whistban\* trn\_106\_120

152 . regress fiveyrtotal wban\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	.021919283	1	.021919283	F( 1, 10268) =	0.10	
Residual	2161.72336	10268	.210530128	Prob > F =	0.7470	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_106_1~s	.025068	.0776899	0.32	0.747	-.1272193	.1773553
_cons	.1463605	.0045354	32.27	0.000	.1374703	.1552507

153 . generate wban\_91\_105trns = whistban\* trn\_91\_105

154 . regress fiveyrtotal wban\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	.44187152	1	.44187152	F( 1, 10268) =	2.10	
Residual	2161.30341	10268	.210489229	Prob > F =	0.1474	
Total	2161.74528	10269	.210511761	R-squared =	0.0002	
				Adj R-squared =	0.0001	
				Root MSE =	.45879	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_91_10~s	.1663131	.1147872	1.45	0.147	-.0586922	.3913185
_cons	.1461869	.0045307	32.27	0.000	.1373057	.155068

155 . generate wban\_150trns = whistban\* trn\_150\_more

156 . regress fiveyrtotal wban\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_150trns	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

157 . generate wban\_80\_89sp = whistban\* sp\_80\_89

158 . regress fiveyrtotal wban\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	.021448508	1	.021448508	F( 1, 10268) =	0.10	
Residual	2161.72383	10268	.210530174	Prob > F =	0.7496	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_80_89sp	-.1464602	.458858	-0.32	0.750	-1.045911	.752991
_cons	.1464602	.0045279	32.35	0.000	.1375847	.1553357

159 . generate wban\_5\_6TL = whistban\* tl\_5\_6

160 . regress fiveyrtotal wban\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	.130737143	1	.130737143	F( 1, 10268) =	0.62	
Residual	2161.61454	10268	.210519531	Prob > F =	0.4307	
Total	2161.74528	10269	.210511761	R-squared =	0.0001	
				Adj R-squared =	-0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_5_6TL	-.0877677	.1113734	-0.79	0.431	-.3060813	.1305459
_cons	.1465912	.0045313	32.35	0.000	.1377091	.1554734

161 . generate wban\_7TL = whistban\* tl\_7\_more

162 . regress fiveyrtotal wban\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	17.7066549	1	17.7066549	F( 1, 10268) =	84.80	
Residual	2144.03862	10268	.208807813	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0082	
				Adj R-squared =	0.0081	
				Root MSE =	.45695	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
wban_7TL	2.104374	.228522	9.21	0.000	1.656426	2.552321
_cons	.1456263	.00451	32.29	0.000	.1367859	.1544667

163 . generate trn7690\_uc = trn\_76\_90\* u\_collector

164 . regress fiveyrtotal trn7690\_uc

Source	SS	df	MS	Number of obs = 10270		
Model	2.81377334	1	2.81377334	F( 1, 10268) =	13.38	
Residual	2158.9315	10268	.21025823	Prob > F =	0.0003	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0012	
				Root MSE =	.45854	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_uc	.2087212	.0570556	3.66	0.000	.096881	.3205614
_cons	.1451249	.0045391	31.97	0.000	.1362274	.1540225

165 . generate trn7690\_ind = trn\_76\_90\* industrial

166 . regress fiveyrtotal trn7690\_ind

Source	SS	df	MS	Number of obs = 10270		
Model	4.21176426	1	4.21176426	F( 1, 10268) =	20.04	
Residual	2157.53351	10268	.21012208	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0019	
				Adj R-squared =	0.0019	
				Root MSE =	.45839	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_ind	.2303484	.0514504	4.48	0.000	.1294955	.3312012
_cons	.1446516	.004541	31.85	0.000	.1357504	.1535528

167 . generate trn7690\_com = trn\_76\_90\* commercial

168 . regress fiveyrtotal trn7690\_com

Source	SS	df	MS	Number of obs = 10270		
Model	3.57370214	1	3.57370214	F( 1, 10268) =	17.00	
Residual	2158.17158	10268	.21018422	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0017	
				Adj R-squared =	0.0016	
				Root MSE =	.45846	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_com	.1772783	.0429929	4.12	0.000	.0930039	.2615527
_cons	.1444609	.0045495	31.75	0.000	.135543	.1533787

169 . generate trn7690\_hwy26\_35 = trn\_76\_90\* hwysp\_26\_35

170 . regress fiveyrtotal trn7690\_hwy26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	1.67689202	1	1.67689202	F( 1, 10268) =	7.97	
Residual	2160.06839	10268	.210368951	Prob > F =	0.0048	
Total	2161.74528	10269	.210511761	R-squared =	0.0008	
				Adj R-squared =	0.0007	
				Root MSE =	.45866	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_h-35	.0981841	.034776	2.82	0.005	.0300164	.1663517
_cons	.1447538	.0045654	31.71	0.000	.1358047	.1537029

171 . generate trn7690\_illum = trn\_76\_90\* illumina

172 . regress fiveyrtotal trn7690\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	5.05570916	1	5.05570916	F( 1, 10268) =	24.07	
Residual	2156.68957	10268	.210039888	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.4583	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_il~m	.1601714	.0326471	4.91	0.000	.0961767	.2241662
_cons	.1433112	.0045673	31.38	0.000	.1343584	.1522639

173 . generate trn7690\_quad = trn\_76\_90\* wd\_9

174 . regress fiveyrtotal trn7690\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	.250049615	1	.250049615	F( 1, 10268) =	1.19	
Residual	2161.49523	10268	.210507911	Prob > F =	0.2758	
Total	2161.74528	10269	.210511761	R-squared =	0.0001	
				Adj R-squared =	0.0000	
				Root MSE =	.45881	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_quad	.3536229	.3244603	1.09	0.276	-.2823825	.9896283
_cons	.1463771	.0045278	32.33	0.000	.1375016	.1552525

175 . generate trn7690\_uma = trn\_76\_90\* u\_minor\_arterial

176 . regress fiveyrtotal trn7690\_uma

Source	SS	df	MS	Number of obs = 10270	
Model	6.09625775	1	6.09625775	F( 1, 10268) =	29.04
Residual	2155.64902	10268	.209938549	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0028
				Adj R-squared =	0.0027
				Root MSE =	.45819

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_uma	.2880621	.0534565	5.39	0.000	.1832769	.3928473
_cons	.1443703	.0045377	31.82	0.000	.1354757	.153265

177 . generate trn7690\_3\_4TL = trn\_76\_90\* tl\_3\_4

178 . regress fiveyrtotal trn7690\_3\_4TL

Source	SS	df	MS	Number of obs = 10270	
Model	8.03037793	1	8.03037793	F( 1, 10268) =	38.29
Residual	2153.7149	10268	.209750185	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0037
				Adj R-squared =	0.0036
				Root MSE =	.45798

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_3_~L	.3639123	.0588139	6.19	0.000	.2486256	.479199
_cons	.1442845	.0045327	31.83	0.000	.1353994	.1531695

179 . generate trn7690\_uopa = trn\_76\_90\* u\_oth\_prin\_arterial

180 . regress fiveyrtotal trn7690\_uopa

Source	SS	df	MS	Number of obs = 10270	
Model	.650243443	1	.650243443	F( 1, 10268) =	3.09
Residual	2161.09503	10268	.210468936	Prob > F =	0.0788
Total	2161.74528	10269	.210511761	R-squared =	0.0003
				Adj R-squared =	0.0002
				Root MSE =	.45877

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_uopa	.1721045	.0979148	1.76	0.079	-.0198276	.3640366
_cons	.1460773	.0045318	32.23	0.000	.137194	.1549606

181 . generate trn7690\_80\_89sp = trn\_76\_90\* sp\_80\_89

182 . regress fiveyrtotal trn7690\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	5.04858257	1	5.04858257	F( 1, 10268) =	24.04	
Residual	2156.69669	10268	.210040582	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.4583	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_80~p	.6235741	.1271906	4.90	0.000	.3742558	.8728925
_cons	.1456566	.0045252	32.19	0.000	.1367863	.154527

183 . generate trn7690\_5\_6TL = trn\_76\_90\* tl\_5\_6

184 . regress fiveyrtotal trn7690\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	.557543484	1	.557543484	F( 1, 10268) =	2.65	
Residual	2161.18773	10268	.210477964	Prob > F =	0.1036	
Total	2161.74528	10269	.210511761	R-squared =	0.0003	
				Adj R-squared =	0.0002	
				Root MSE =	.45878	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_5~L	.2823179	.1734612	1.63	0.104	-.0576999	.6223357
_cons	.1462535	.0045286	32.30	0.000	.1373765	.1551305

185 . generate trn7690\_7TL = trn\_76\_90\* tl\_7\_more

186 . regress fiveyrtotal trn7690\_7TL

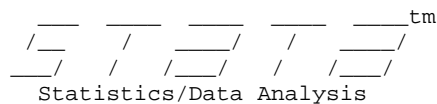
Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn7690_7TL	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

187 . log close

log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Co  
 log type: smcl  
 closed on: 16 Apr 2011, 10:37:41



User: Jennifer Zankowski

log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Co  
 log type: smcl  
 opened on: 16 Apr 2011, 10:38:27

```
1 . generate uc_ind = u_collector* industrial
2 . regress fiveyrtotal uc_ind
```

Source	SS	df	MS	Number of obs = 10270		
Model	2.28117773	1	2.28117773	F( 1, 10268) =	10.85	
Residual	2159.4641	10268	.210310099	Prob > F =	0.0010	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.4586	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_ind	.1192504	.0362085	3.29	0.001	.0482747	.1902261
_cons	.1445533	.0045616	31.69	0.000	.1356116	.1534949

```
3 . generate uc_com = u_collector* commercial
4 . regress fiveyrtotal uc_com
```

Source	SS	df	MS	Number of obs = 10270		
Model	6.44755794	1	6.44755794	F( 1, 10268) =	30.72	
Residual	2155.29772	10268	.209904336	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45815	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_com	.1437762	.0259418	5.54	0.000	.0929252	.1946272
_cons	.1419381	.0045935	30.90	0.000	.1329339	.1509422

```
5 . generate uc_hwy26_35 = u_collector* hwysp_26_35
6 . regress fiveyrtotal uc_hwy26_35
```

Source	SS	df	MS	Number of obs = 10270		
Model	3.62639419	1	3.62639419	F( 1, 10268) =	17.25	
Residual	2158.11888	10268	.210179089	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0017	
				Adj R-squared =	0.0016	
				Root MSE =	.45845	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_hwy26_35	.1189578	.0286385	4.15	0.000	.0628208	.1750948
_cons	.1433996	.0045829	31.29	0.000	.1344162	.152383



7 . generate uc\_illum = u\_collector\* illumina

8 . regress fiveyrtotal uc\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	6.0558004	1	6.0558004	F( 1, 10268) =	28.85	
Residual	2155.68948	10268	.209942489	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0028	
				Adj R-squared =	0.0027	
				Root MSE =	.45819	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_illum	.1430482	.0266346	5.37	0.000	.0908391	.1952573
_cons	.1421977	.00459	30.98	0.000	.1332004	.151195

9 . generate uc\_quad = u\_collector\* wd\_9

10 . regress fiveyrtotal uc\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	2.28803894	1	2.28803894	F( 1, 10268) =	10.88	
Residual	2159.45724	10268	.210309431	Prob > F =	0.0010	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.4586	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_quad	.3304202	.1001761	3.30	0.001	.1340554	.5267849
_cons	.1457703	.0045299	32.18	0.000	.1368908	.1546498

11 . generate uc\_46\_60trns = u\_collector\* trn\_46\_60

12 . regress fiveyrtotal uc\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	.914733587	1	.914733587	F( 1, 10268) =	4.35	
Residual	2160.83054	10268	.210443177	Prob > F =	0.0371	
Total	2161.74528	10269	.210511761	R-squared =	0.0004	
				Adj R-squared =	0.0003	
				Root MSE =	.45874	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_46_60trns	.1199264	.0575221	2.08	0.037	.0071718	.232681
_cons	.1456986	.0045409	32.09	0.000	.1367976	.1545996

13 . generate uc\_3\_4TL = u\_collector\* tl\_3\_4

14 . regress fiveyrtotal uc\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	6.46368998	1	6.46368998	F( 1, 10268) =	30.79	
Residual	2155.28159	10268	.209902765	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45815	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_3_4TL	.2344216	.0422441	5.55	0.000	.1516148	.3172283
_cons	.1437297	.0045473	31.61	0.000	.1348161	.1526433

15 . generate uc\_61\_75trns = u\_collector\* trn\_61\_75

16 . regress fiveyrtotal uc\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	4.0125172	1	4.0125172	F( 1, 10268) =	19.09	
Residual	2157.73276	10268	.210141484	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0019	
				Adj R-squared =	0.0018	
				Root MSE =	.45841	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_61_75trns	.3546591	.0811631	4.37	0.000	.1955636	.5137546
_cons	.1453409	.0045305	32.08	0.000	.1364602	.1542216

17 . generate uc\_106\_120trns = u\_collector\* trn\_106\_120

18 . regress fiveyrtotal uc\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	.128831807	1	.128831807	F( 1, 10268) =	0.61	
Residual	2161.61645	10268	.210519716	Prob > F =	0.4341	
Total	2161.74528	10269	.210511761	R-squared =	0.0001	
				Adj R-squared =	-0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_106_120~s	.1036752	.1325286	0.78	0.434	-.1561067	.3634571
_cons	.1463248	.0045302	32.30	0.000	.1374448	.1552048

19 . generate uc\_91\_105trns = u\_collector\* trn\_91\_105

20 . regress fiveyrtotal uc\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	12.0537283	1	12.0537283	F( 1, 10268) =	57.57	
Residual	2149.69155	10268	.209358351	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0056	
				Adj R-squared =	0.0055	
				Root MSE =	.45756	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_91_105t~s	.7247423	.0955142	7.59	0.000	.5375158	.9119689
_cons	.1448229	.0045201	32.04	0.000	.1359626	.1536831

21 . generate uc\_150trns = u\_collector\* trn\_150\_more

22 . regress fiveyrtotal uc\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	7.29976531	1	7.29976531	F( 1, 10268) =	34.79	
Residual	2154.44551	10268	.209821339	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0034	
				Adj R-squared =	0.0033	
				Root MSE =	.45806	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_150trns	.6047317	.1025258	5.90	0.000	.4037612	.8057022
_cons	.1452683	.0045244	32.11	0.000	.1363995	.154137

23 . generate uc\_80\_89sp = u\_collector\* sp\_80\_89

24 . regress fiveyrtotal uc\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	1.26513386	1	1.26513386	F( 1, 10268) =	6.01	
Residual	2160.48014	10268	.210409052	Prob > F =	0.0142	
Total	2161.74528	10269	.210511761	R-squared =	0.0006	
				Adj R-squared =	0.0005	
				Root MSE =	.4587	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_80_89sp	.4252725	.1734328	2.45	0.014	.0853104	.7652346
_cons	.1461561	.0045279	32.28	0.000	.1372806	.1550316

25 . generate uc\_5\_6TL = u\_collector\* tl\_5\_6

26 . regress fiveyrtotal uc\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	1.25122293	1	1.25122293	F( 1, 10268) =	5.95	
Residual	2160.49405	10268	.210410407	Prob > F =	0.0148	
Total	2161.74528	10269	.210511761	R-squared =	0.0006	
				Adj R-squared =	0.0005	
				Root MSE =	.45871	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_5_6TL	.3538986	.145126	2.44	0.015	.0694234	.6383738
_cons	.1461014	.0045286	32.26	0.000	.1372245	.1549782

27 . generate uc\_7TL = u\_collector\* tl\_7\_more

28 . regress fiveyrtotal uc\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) = 0.00		
Residual	2161.74528	10269	.210511761	Prob > F = .		
Total	2161.74528	10269	.210511761	R-squared = 0.0000		
				Adj R-squared = 0.0000		
				Root MSE = .45882		

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uc_7TL	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

29 . generate ind\_hwy26\_35 = industrial\* hwysp\_26\_35

30 . regress fiveyrtotal ind\_hwy26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	3.59369713	1	3.59369713	F( 1, 10268) = 17.10		
Residual	2158.15158	10268	.210182273	Prob > F = 0.0000		
Total	2161.74528	10269	.210511761	R-squared = 0.0017		
				Adj R-squared = 0.0016		
				Root MSE = .45846		

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_hwy26_35	.1417809	.0342882	4.13	0.000	.0745693	.2089925
_cons	.1439334	.0045645	31.53	0.000	.134986	.1528807

31 . generate ind\_illum = industrial\* illumina

32 . regress fiveyrtotal ind\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	5.41141703	1	5.41141703	F( 1, 10268) = 25.77		
Residual	2156.33386	10268	.210005245	Prob > F = 0.0000		
Total	2161.74528	10269	.210511761	R-squared = 0.0025		
				Adj R-squared = 0.0024		
				Root MSE = .45826		

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_illum	.127399	.0250972	5.08	0.000	.0782035	.1765944
_cons	.1421662	.0045999	30.91	0.000	.1331495	.151183

33 . generate ind\_quad = industrial\* wd\_9

34 . regress fiveyrtotal ind\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	1.70476505	1	1.70476505	F( 1, 10268) =	8.10	
Residual	2160.04051	10268	.210366236	Prob > F =	0.0044	
Total	2161.74528	10269	.210511761	R-squared =	0.0008	
				Adj R-squared =	0.0007	
				Root MSE =	.45866	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_quad	.2470848	.0867964	2.85	0.004	.0769469	.4172228
_cons	.1457723	.0045321	32.16	0.000	.1368886	.154656

35 . generate ind\_46\_60trns = industrial\* trn\_46\_60

36 . regress fiveyrtotal ind\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	1.66320545	1	1.66320545	F( 1, 10268) =	7.91	
Residual	2160.08207	10268	.210370284	Prob > F =	0.0049	
Total	2161.74528	10269	.210511761	R-squared =	0.0008	
				Adj R-squared =	0.0007	
				Root MSE =	.45866	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_46_60trns	.1343405	.0477778	2.81	0.005	.0406867	.2279942
_cons	.1452294	.0045466	31.94	0.000	.1363173	.1541416

37 . generate ind\_uma = industrial\* u\_minor\_arterial

38 . regress fiveyrtotal ind\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	1.21742408	1	1.21742408	F( 1, 10268) =	5.79	
Residual	2160.52785	10268	.210413698	Prob > F =	0.0162	
Total	2161.74528	10269	.210511761	R-squared =	0.0006	
				Adj R-squared =	0.0005	
				Root MSE =	.45871	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_uma	.0913571	.0379803	2.41	0.016	.0169083	.1658058
_cons	.1451294	.0045594	31.83	0.000	.1361922	.1540667

39 . generate ind\_3\_4TL = industrial\* tl\_3\_4

40 . regress fiveyrtotal ind\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	3.21969616	1	3.21969616	F( 1, 10268) =	15.32	
Residual	2158.52558	10268	.210218697	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.4585	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_3_4TL	.1471077	.0375892	3.91	0.000	.0734254	.2207899
_cons	.144283	.0045579	31.66	0.000	.1353486	.1532174

41 . generate ind\_61\_75trns = industrial\* trn\_61\_75

42 . regress fiveyrtotal ind\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	8.76071081	1	8.76071081	F( 1, 10268) =	41.78	
Residual	2152.98457	10268	.209679058	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0041	
				Adj R-squared =	0.0040	
				Root MSE =	.45791	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_61_75t~s	.4941752	.076452	6.46	0.000	.3443144	.644036
_cons	.1447137	.0045264	31.97	0.000	.135841	.1535864

43 . generate ind\_uopa = industrial\* u\_oth\_prin\_arterial

44 . regress fiveyrtotal ind\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	3.93235617	1	3.93235617	F( 1, 10268) =	18.71	
Residual	2157.81292	10268	.210149291	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0018	
				Adj R-squared =	0.0017	
				Root MSE =	.45842	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_uopa	.2657172	.0614267	4.33	0.000	.1453089	.3861255
_cons	.1449971	.0045359	31.97	0.000	.1361058	.1538884

45 . generate ind\_106\_120trns = industrial\* trn\_106\_120

46 . regress fiveyrtotal ind\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.15960645	1	2.15960645	F( 1, 10268) =	10.27	
Residual	2159.58567	10268	.210321939	Prob > F =	0.0014	
Total	2161.74528	10269	.210511761	R-squared =	0.0010	
				Adj R-squared =	0.0009	
				Root MSE =	.45861	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_106_12~s	.2942704	.0918336	3.20	0.001	.1142586	.4742821
_cons	.1457296	.0045309	32.16	0.000	.1368481	.1546111

47 . generate ind\_91\_105trns = industrial\* trn\_91\_105

48 . regress fiveyrtotal ind\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	4.26748908	1	4.26748908	F( 1, 10268) =	20.31	
Residual	2157.47779	10268	.210116653	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0020	
				Adj R-squared =	0.0019	
				Root MSE =	.45838	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_91_105~s	.5014429	.1112668	4.51	0.000	.2833383	.7195475
_cons	.1456159	.0045269	32.17	0.000	.1367422	.1544896

49 . generate ind\_150trns = industrial\* trn\_150\_more

50 . regress fiveyrtotal ind\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	.812125987	1	.812125987	F( 1, 10268) =	3.86	
Residual	2160.93315	10268	.21045317	Prob > F =	0.0495	
Total	2161.74528	10269	.210511761	R-squared =	0.0004	
				Adj R-squared =	0.0003	
				Root MSE =	.45875	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_150trns	.5203727	.2648991	1.96	0.050	.0011187	1.039627
_cons	.146294	.0045275	32.31	0.000	.1374192	.1551687

51 . generate ind\_80\_89sp = industrial\* sp\_80\_89

52 . regress fiveyrtotal ind\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	.812125987	1	.812125987	F( 1, 10268) =	3.86	
Residual	2160.93315	10268	.21045317	Prob > F =	0.0495	
Total	2161.74528	10269	.210511761	R-squared =	0.0004	
				Adj R-squared =	0.0003	
				Root MSE =	.45875	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_80_89sp	.5203727	.2648991	1.96	0.050	.0011187	1.039627
_cons	.146294	.0045275	32.31	0.000	.1374192	.1551687

53 . generate ind\_5\_6TL = industrial\* tl\_5\_6

54 . regress fiveyrtotal ind\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	22.2428385	1	22.2428385	F( 1, 10268) =	106.75	
Residual	2139.50244	10268	.208366034	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0103	
				Adj R-squared =	0.0102	
				Root MSE =	.45647	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_5_6TL	1.05561	.1021696	10.33	0.000	.8553374	1.255882
_cons	.1443902	.0045087	32.02	0.000	.1355523	.1532282

55 . generate ind\_7TL = industrial\* tl\_7\_more

56 . regress fiveyrtotal ind\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	.021448508	1	.021448508	F( 1, 10268) =	0.10	
Residual	2161.72383	10268	.210530174	Prob > F =	0.7496	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ind_7TL	-.1464602	.458858	-0.32	0.750	-1.045911	.752991
_cons	.1464602	.0045279	32.35	0.000	.1375847	.1553357

57 . generate com\_hwy26\_35 = commercial\* hwysp\_26\_35

58 . regress fiveyrtotal com\_hwy26\_35

Source	SS	df	MS	Number of obs = 10270		
Model	10.5054902	1	10.5054902	F( 1, 10268) =	50.14	
Residual	2151.23979	10268	.209509134	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0049	
				Adj R-squared =	0.0048	
				Root MSE =	.45772	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_hwy26_35	.1347968	.0190359	7.08	0.000	.0974828	.1721109
_cons	.1383739	.0046583	29.70	0.000	.1292428	.147505

59 . generate com\_illum = commercial\* illumina

60 . regress fiveyrtotal com\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	15.1338902	1	15.1338902	F( 1, 10268) =	72.39	
Residual	2146.61139	10268	.209058374	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0070	
				Adj R-squared =	0.0069	
				Root MSE =	.45723	



fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_illum	.137573	.0161693	8.51	0.000	.105878	.169268
_cons	.1347382	.004717	28.56	0.000	.125492	.1439843

61 . generate com\_quad = commercial\* wd\_9

62 . regress fiveyrtotal com\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	6.5080182	1	6.5080182	F( 1, 10268) =	31.01	
Residual	2155.23726	10268	.209898448	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45815	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_quad	.3769817	.0677018	5.57	0.000	.2442729	.5096905
_cons	.1447574	.004531	31.95	0.000	.1358758	.1536391

63 . generate com\_46\_60trns = commercial\* trn\_46\_60

64 . regress fiveyrtotal com\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	8.46309388	1	8.46309388	F( 1, 10268) =	40.36	
Residual	2153.28218	10268	.209708043	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0039	
				Adj R-squared =	0.0038	
				Root MSE =	.45794	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_46_60t~s	.2263036	.0356233	6.35	0.000	.1564749	.2961323
_cons	.142744	.0045562	31.33	0.000	.1338129	.1516751

65 . generate com\_uma = commercial\* u\_minor\_arterial

66 . regress fiveyrtotal com\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	13.3047362	1	13.3047362	F( 1, 10268) =	63.59	
Residual	2148.44054	10268	.209236516	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0062	
				Adj R-squared =	0.0061	
				Root MSE =	.45742	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_uma	.1880804	.0235863	7.97	0.000	.1418467	.234314
_cons	.1392854	.0046022	30.27	0.000	.1302642	.1483065

67 . generate com\_3\_4TL = commercial\* tl\_3\_4

68 . regress fiveyrtotal com\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	15.2730185	1	15.2730185	F( 1, 10268) =	73.06	
Residual	2146.47226	10268	.209044825	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0071	
				Adj R-squared =	0.0070	
				Root MSE =	.45721	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_3_4TL	.1918989	.0224507	8.55	0.000	.1478911	.2359066
_cons	.1383552	.0046099	30.01	0.000	.129319	.1473914

69 . generate com\_61\_75trns = commercial\* trn\_61\_75

70 . regress fiveyrtotal com\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	3.91924476	1	3.91924476	F( 1, 10268) =	18.65	
Residual	2157.82603	10268	.210150568	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0018	
				Adj R-squared =	0.0017	
				Root MSE =	.45842	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_61_75trns	.1889294	.0437485	4.32	0.000	.1031737	.274685
_cons	.144404	.0045482	31.75	0.000	.1354886	.1533193

71 . generate com\_uopa = commercial\* u\_oth\_prin\_arterial

72 . regress fiveyrtotal com\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	8.42126667	1	8.42126667	F( 1, 10268) =	40.16	
Residual	2153.32401	10268	.209712116	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0039	
				Adj R-squared =	0.0038	
				Root MSE =	.45794	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_uopa	.1956175	.0308696	6.34	0.000	.1351071	.2561279
_cons	.1421603	.0045692	31.11	0.000	.1332038	.1511167

73 . generate com\_160\_120trns = commercial\* trn\_106\_120

74 . regress fiveyrtotal com\_160\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	1.50176025	1	1.50176025	F( 1, 10268) =	7.14	
Residual	2160.24352	10268	.210386007	Prob > F =	0.0076	
Total	2161.74528	10269	.210511761	R-squared =	0.0007	
				Adj R-squared =	0.0006	
				Root MSE =	.45868	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_160_12~s	.3539676	.1324865	2.67	0.008	.0942682	.613667
_cons	.1460324	.0045287	32.25	0.000	.1371552	.1549096

75 . generate com\_91\_105trns = commercial\* trn\_91\_105

76 . regress fiveyrtotal com\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	10.5137809	1	10.5137809	F( 1, 10268) =	50.18	
Residual	2151.2315	10268	.209508327	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0049	
				Adj R-squared =	0.0048	
				Root MSE =	.45772	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_91_105~s	.5740928	.0810407	7.08	0.000	.4152372	.7329485
_cons	.1446572	.0045237	31.98	0.000	.1357898	.1535245

77 . generate com\_150trns = commercial\* trn\_150\_more

78 . regress fiveyrtotal com\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.30024627	1	5.30024627	F( 1, 10268) =	25.24	
Residual	2156.44503	10268	.210016072	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0025	
				Adj R-squared =	0.0024	
				Root MSE =	.45828	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_150trns	.34395	.0684658	5.02	0.000	.2097437	.4781563
_cons	.1449389	.004532	31.98	0.000	.1360552	.1538226

79 . generate com\_80\_89sp = commercial\* sp\_80\_89

80 . regress fiveyrtotal com\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	7.85096143	1	7.85096143	F( 1, 10268) =	37.43	
Residual	2153.89432	10268	.209767658	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0036	
				Adj R-squared =	0.0035	
				Root MSE =	.458	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_80_89sp	.7776153	.1271079	6.12	0.000	.528459	1.026772
_cons	.1454616	.0045223	32.17	0.000	.1365971	.1543262

81 . generate com\_5\_6TL = commercial\* tl\_5\_6

82 . regress fiveyrtotal com\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	6.68700775	1	6.68700775	F( 1, 10268) =	31.86	
Residual	2155.05827	10268	.209881016	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0031	
				Adj R-squared =	0.0030	
				Root MSE =	.45813	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_5_6TL	.266546	.0472218	5.64	0.000	.173982	.35911
_cons	.1439803	.0045417	31.70	0.000	.1350777	.152883

83 . generate com\_7TL = commercial \* tl\_7\_more

84 . regress fiveyrtotal com\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	3.25135407	1	3.25135407	F( 1, 10268) =	15.47	
Residual	2158.49392	10268	.210215614	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.45849	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
com_7TL	.5208293	.1324329	3.93	0.000	.2612351	.7804235
_cons	.1458374	.0045269	32.22	0.000	.1369638	.154711

85 . generate hwy2635\_illum = hwysp\_26\_35\* illumina

86 . regress fiveyrtotal hwy2635\_illum

Source	SS	df	MS	Number of obs = 10270		
Model	12.407817	1	12.407817	F( 1, 10268) =	59.28	
Residual	2149.33746	10268	.209323866	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0057	
				Adj R-squared =	0.0056	
				Root MSE =	.45752	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_il~m	.1390307	.0180581	7.70	0.000	.1036333	.1744281
_cons	.1371321	.0046739	29.34	0.000	.1279703	.1462939

87 . generate hwy2635\_quad = hwysp\_26\_35\* wd\_9

88 . regress fiveyrtotal hwy2635\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	3.9995347	1	3.9995347	F( 1, 10268) =	19.03	
Residual	2157.74574	10268	.210142749	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0019	
				Adj R-squared =	0.0018	
				Root MSE =	.45841	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_quad	.2780388	.063732	4.36	0.000	.1531115	.402966
_cons	.1450382	.004535	31.98	0.000	.1361487	.1539276

89 . generate hwy2635\_46\_60trns = hwysp\_26\_35\* trn\_46\_60

90 . regress fiveyrtotal hwy2635\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	4.2243062	1	4.2243062	F( 1, 10268) =	20.10	
Residual	2157.52097	10268	.210120858	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0020	
				Adj R-squared =	0.0019	
				Root MSE =	.45839	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_46~s	.1642734	.0366374	4.48	0.000	.092457	.2360898
_cons	.1439027	.0045587	31.57	0.000	.1349668	.1528385

91 . generate hwy2635\_uma = hwysp\_26\_35\* u\_minor\_arterial

92 . regress fiveyrtotal hwy2635\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	12.1240227	1	12.1240227	F( 1, 10268) =	57.91	
Residual	2149.62125	10268	.209351505	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0056	
				Adj R-squared =	0.0055	
				Root MSE =	.45755	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_uma	.2212303	.029071	7.61	0.000	.1642455	.278215
_cons	.1409744	.0045718	30.84	0.000	.1320127	.1499361

93 . generate hwy2635\_3\_4TL = hwysp\_26\_35\* tl\_3\_4

94 . regress fiveyrtotal hwy2635\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	10.382849	1	10.382849	F( 1, 10268) =	49.56	
Residual	2151.36243	10268	.209521078	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0048	
				Adj R-squared =	0.0047	
				Root MSE =	.45773	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_3~L	.2148883	.0305259	7.04	0.000	.1550516	.274725
_cons	.1416335	.0045682	31.00	0.000	.1326789	.1505881

95 . generate hwy2635\_61\_75trns = hwysp\_26\_35\* trn\_61\_75

96 . regress fiveyrtotal hwy2635\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	7.31904479	1	7.31904479	F( 1, 10268) =	34.88	
Residual	2154.42623	10268	.209819462	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0034	
				Adj R-squared =	0.0033	
				Root MSE =	.45806	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_61~s	.3474209	.0588236	5.91	0.000	.2321151	.4627266
_cons	.1443824	.0045335	31.85	0.000	.1354959	.1532689

97 . generate hwy2635\_uopa = hwysp\_26\_35\* u\_oth\_prin\_arterial

98 . regress fiveyrtotal hwy2635\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	3.45316117	1	3.45316117	F( 1, 10268) =	16.43	
Residual	2158.29212	10268	.21019596	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0016	
				Adj R-squared =	0.0015	
				Root MSE =	.45847	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_uopa	.2000765	.0493628	4.05	0.000	.1033158	.2968373
_cons	.1447511	.0045433	31.86	0.000	.1358452	.1536569

99 . generate hwy2635\_106\_120trns = hwysp\_26\_35\* trn\_91\_105

100 . generate hwy2635\_106120trns = hwysp\_26\_35\* trn\_106\_120

101 . regress fiveyrtotal hwy2635\_106120trns

Source	SS	df	MS	Number of obs = 10270		
Model	.726086568	1	.726086568	F( 1, 10268) =	3.45	
Residual	2161.01919	10268	.21046155	Prob > F =	0.0633	
Total	2161.74528	10269	.210511761	R-squared =	0.0003	
				Adj R-squared =	0.0002	
				Root MSE =	.45876	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy~6120trns	.2068376	.1113581	1.86	0.063	-.0114459	.4251211
_cons	.1461036	.0045307	32.25	0.000	.1372226	.1549845

102 . generate hwy2635\_91\_105trns = hwysp\_26\_35\* trn\_91\_105

103 . regress fiveyrtotal hwy2635\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.29312634	1	2.29312634	F( 1, 10268) =	10.90	
Residual	2159.45215	10268	.210308936	Prob > F =	0.0010	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.45859	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_91~s	.4373985	.1324622	3.30	0.001	.1777466	.6970503
_cons	.1459349	.0045279	32.23	0.000	.1370593	.1548105

104 . generate hwy2635\_150trns = hwysp\_26\_35\* trn\_150\_more

105 . regress fiveyrtotal = hwy2635\_150trns

**invalid syntax**  
r(198);

106 . regress fiveyrtotal hwy2635\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	3.32352433	1	3.32352433	F( 1, 10268) =	15.81	
Residual	2158.42175	10268	.210208585	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.45849	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_15~s	.4425218	.1112911	3.98	0.000	.2243696	.6606741
_cons	.1457134	.0045279	32.18	0.000	.1368378	.1545891

107 . generate hwy2636\_80\_89sp = hwysp\_26\_35\* sp\_80\_89

108 . regress fiveyrtotal hwy2635\_80\_89sp  
**variable hwy2635\_80\_89sp not found**  
 r(111);

109 . regress fiveyrtotal hwy2636\_80\_89sp

Source	SS	df	MS	Number of obs = 10270		
Model	3.32352433	1	3.32352433	F( 1, 10268) =	15.81	
Residual	2158.42175	10268	.210208585	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0015	
				Adj R-squared =	0.0014	
				Root MSE =	.45849	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2636_80~p	.4425218	.1112911	3.98	0.000	.2243696	.6606741
_cons	.1457134	.0045279	32.18	0.000	.1368378	.1545891

110 . generate hwy2635\_5\_6TL = hwysp\_26\_35\* tl\_5\_6

111 . regress fiveyrtotal hwy2536\_5\_6TL  
**variable hwy2536\_5\_6TL not found**  
 r(111);

112 . regress fiveyrtotal hwy2635\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	.434068597	1	.434068597	F( 1, 10268) =	2.06	
Residual	2161.31121	10268	.210489989	Prob > F =	0.1510	
Total	2161.74528	10269	.210511761	R-squared =	0.0002	
				Adj R-squared =	0.0001	
				Root MSE =	.45879	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_5~L	.0984298	.068543	1.44	0.151	-.0359278	.2327874
_cons	.1460147	.0045372	32.18	0.000	.137121	.1549084

113 . generate hwy2635\_7TL = hwysp\_26\_35\* tl\_7\_more

114 . regress fiveyrtotal hwy2635\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	2.91535349	1	2.91535349	F( 1, 10268) =	13.87	
Residual	2158.82992	10268	.210248337	Prob > F =	0.0002	
Total	2161.74528	10269	.210511761	R-squared =	0.0013	
				Adj R-squared =	0.0013	
				Root MSE =	.45853	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
hwy2635_7TL	.8538866	.2293089	3.72	0.000	.4043965	1.303377
_cons	.1461134	.0045255	32.29	0.000	.1372425	.1549842



115 . generate illum\_quad = illumina\* wd\_9

116 . regress fiveyrtotal illum\_quad

Source	SS	df	MS	Number of obs = 10270		
Model	6.26497643	1	6.26497643	F( 1, 10268) =	29.84	
Residual	2155.4803	10268	.209922117	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0029	
				Adj R-squared =	0.0028	
				Root MSE =	.45817	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_quad	.294	.0538167	5.46	0.000	.1885088	.3994911
_cons	.1443562	.0045373	31.82	0.000	.1354623	.1532501

117 . generate illum\_46\_60trns = illumina\* trn\_46\_60

118 . regress fiveyrtotal illum\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	8.93969473	1	8.93969473	F( 1, 10268) =	42.64	
Residual	2152.80558	10268	.209661627	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0041	
				Adj R-squared =	0.0040	
				Root MSE =	.45789	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_46_6~s	.2353613	.036044	6.53	0.000	.164708	.3060146
_cons	.1426875	.0045548	31.33	0.000	.1337592	.1516158

119 . generate illum\_uma = illumina\* u\_minor\_arterial

120 . regress fiveyrtotal illum\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	21.2578077	1	21.2578077	F( 1, 10268) =	101.97	
Residual	2140.48747	10268	.208461966	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0098	
				Adj R-squared =	0.0097	
				Root MSE =	.45658	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_uma	.244451	.0242073	10.10	0.000	.197	.2919019
_cons	.1376629	.0045885	30.00	0.000	.1286684	.1466573

121 . generate illum\_3\_4TL = illumina\* tl\_3\_4

122 . regress fiveyrtotal illum\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	13.4401522	1	13.4401522	F( 1, 10268) =	64.24	
Residual	2148.30513	10268	.209223327	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0062	
				Adj R-squared =	0.0061	
				Root MSE =	.45741	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_3_4TL	.1956534	.0244113	8.01	0.000	.1478026	.2435043
_cons	.1395114	.0045957	30.36	0.000	.1305029	.14852

123 . generate illum\_61\_75trns = illumina\* trn\_61\_75

124 . regress fiveyrtotal illum\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	9.52318678	1	9.52318678	F( 1, 10268) =	45.43	
Residual	2152.22209	10268	.2096048	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0044	
				Adj R-squared =	0.0043	
				Root MSE =	.45783	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_61_7~s	.2723866	.0404106	6.74	0.000	.193174	.3515992
_cons	.142998	.0045465	31.45	0.000	.1340859	.1519101

125 . generate illum\_uopa = illumina\* u\_oth\_prin\_arterial

126 . regress fiveyrtotal illum\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	8.26673716	1	8.26673716	F( 1, 10268) =	39.42	
Residual	2153.47854	10268	.209727166	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0038	
				Adj R-squared =	0.0037	
				Root MSE =	.45796	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_uopa	.2305182	.0367169	6.28	0.000	.158546	.3024904
_cons	.1428995	.0045542	31.38	0.000	.1339725	.1518266

127 . generate illum\_106\_120trns = illumina\* trn\_106\_120

128 . regress fiveyrtotal illum\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	.301077156	1	.301077156	F( 1, 10268) =	1.43	
Residual	2161.4442	10268	.210502941	Prob > F =	0.2317	
Total	2161.74528	10269	.210511761	R-squared =	0.0001	
				Adj R-squared =	0.0000	
				Root MSE =	.45881	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_106~s	.1038371	.0868246	1.20	0.232	-.066356	.2740303
_cons	.1461629	.0045335	32.24	0.000	.1372763	.1550495

```
129 . generate illum_91_105trns
    =exp required
    r(100);
```

```
130 . generate illum_91_105trns = illumina* trn_91_105
```

```
131 . regress fiveyrtotal illum_91_105trns
```

Source	SS	df	MS	Number of obs = 10270		
Model	15.6080864	1	15.6080864	F( 1, 10268) =	74.68	
Residual	2146.13719	10268	.209012192	Prob > F =	0.0000	
				R-squared =	0.0072	
				Adj R-squared =	0.0071	
Total	2161.74528	10269	.210511761	Root MSE =	.45718	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_91_1~s	.6994835	.0809447	8.64	0.000	.5408161	.858151
_cons	.1442665	.0045183	31.93	0.000	.1354096	.1531233

```
132 . generate illum_150trns = illumina* trn_150_more
```

```
133 . regress fiveyrtotal illum_150trns
```

Source	SS	df	MS	Number of obs = 10270		
Model	.840208863	1	.840208863	F( 1, 10268) =	3.99	
Residual	2160.90507	10268	.210450435	Prob > F =	0.0457	
				R-squared =	0.0004	
				Adj R-squared =	0.0003	
Total	2161.74528	10269	.210511761	Root MSE =	.45875	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_150t~s	.1873251	.0937513	2.00	0.046	.0035543	.371096
_cons	.1460082	.0045321	32.22	0.000	.1371244	.154892

```
134 . generate illum_80_89sp = illumina* sp_80_89
    80_89sp invalid name
    r(198);
```

```
135 . generate illum_sp80_89 = illumina* sp_80_89
```

```
136 . regress fiveyrtotal illum_sp80_89
```

Source	SS	df	MS	Number of obs = 10270		
Model	7.18703413	1	7.18703413	F( 1, 10268) =	34.25	
Residual	2154.55824	10268	.209832318	Prob > F =	0.0000	
				R-squared =	0.0033	
				Adj R-squared =	0.0032	
Total	2161.74528	10269	.210511761	Root MSE =	.45807	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_sp8-89	.6324403	.108064	5.85	0.000	.4206139	.8442667
_cons	.1453375	.0045241	32.13	0.000	.1364694	.1542056

137 . generate illum\_5\_6TL = illumina\* tl\_5\_6

138 . regress fiveyrtotal illum\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	2.67673634	1	2.67673634	F( 1, 10268) =	12.73	
Residual	2159.06854	10268	.210271576	Prob > F =	0.0004	
Total	2161.74528	10269	.210511761	R-squared =	0.0012	
				Adj R-squared =	0.0011	
				Root MSE =	.45855	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_5_6TL	.1803125	.0505374	3.57	0.000	.0812492	.2793757
_cons	.1449887	.0045433	31.91	0.000	.136083	.1538944

139 . generate illum\_7TL = illumina\* tl\_7\_more

140 . regress fiveyrtotal illum\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	10.9443024	1	10.9443024	F( 1, 10268) =	52.25	
Residual	2150.80098	10268	.209466398	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0051	
				Adj R-squared =	0.0050	
				Root MSE =	.45767	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
illum_7TL	.8548025	.1182576	7.23	0.000	.6229946	1.08661
_cons	.1451975	.0045195	32.13	0.000	.1363384	.1540565

141 . generate quad\_46\_60trns = wd\_9\* trn\_46\_60

142 . regress fiveyrtotal quad\_46\_60trns

Source	SS	df	MS	Number of obs = 10270		
Model	1.60126225	1	1.60126225	F( 1, 10268) =	7.61	
Residual	2160.14402	10268	.210376316	Prob > F =	0.0058	
Total	2161.74528	10269	.210511761	R-squared =	0.0007	
				Adj R-squared =	0.0006	
				Root MSE =	.45867	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_46_60~s	.2985217	.1082039	2.76	0.006	.0864209	.5106225
_cons	.1459227	.00453	32.21	0.000	.1370431	.1548023

143 . generate quad\_uma = wd\_9\* u\_minor\_arterial

144 . regress fiveyrtotal quad\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	1.03959613	1	1.03959613	F( 1, 10268) =	4.94	
Residual	2160.70568	10268	.210431017	Prob > F =	0.0263	
Total	2161.74528	10269	.210511761	R-squared =	0.0005	
				Adj R-squared =	0.0004	
				Root MSE =	.45873	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_uma	.2002148	.090078	2.22	0.026	.0236444	.3767852
_cons	.1459391	.0045323	32.20	0.000	.1370549	.1548233

145 . generate quad\_3\_4TL = wd\_9\* tl\_3\_4

146 . regress fiveyrtotal quad\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	2.40400379	1	2.40400379	F( 1, 10268) =	11.43	
Residual	2159.34127	10268	.210298137	Prob > F =	0.0007	
Total	2161.74528	10269	.210511761	R-squared =	0.0011	
				Adj R-squared =	0.0010	
				Root MSE =	.45858	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_3_4TL	.298784	.0883705	3.38	0.001	.1255605	.4720075
_cons	.1456605	.0045311	32.15	0.000	.1367786	.1545423

147 . generate quad\_61\_75trns = wd\_9\* trn\_61\_75

148 . regress fiveyrtotal quad\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.10335994	1	5.10335994	F( 1, 10268) =	24.30	
Residual	2156.64192	10268	.210035247	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0024	
				Adj R-squared =	0.0023	
				Root MSE =	.4583	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_61_75~s	.8541362	.1732787	4.93	0.000	.5144762	1.193796
_cons	.1458638	.0045239	32.24	0.000	.1369961	.1547314

149 . generate quad\_uopa = wd\_9\* u\_oth\_prin\_arterial

150 . regress fiveyrtotal quad\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	4.96534486	1	4.96534486	F( 1, 10268) =	23.64	
Residual	2156.77993	10268	.210048688	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.45831	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_uopa	.7430941	.1528372	4.86	0.000	.4435034	1.042685
_cons	.1457948	.0045244	32.22	0.000	.136926	.1546635

151 . generate quad\_106\_120trns = wd\_9\* trn\_106\_120

152 . regress fiveyrtotal quad\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	.014347162	1	.014347162	F( 1, 10268) =	0.07	
Residual	2161.73093	10268	.210530866	Prob > F =	0.7941	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_106_1~s	.0535801	.2052479	0.26	0.794	-.3487457	.4559059
_cons	.1464199	.0045288	32.33	0.000	.1375426	.1552971

153 . generate quad\_91\_105trns = wd\_9\* trn\_91\_105

154 . regress fiveyrtotal quad\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	.418221378	1	.418221378	F( 1, 10268) =	1.99	
Residual	2161.32706	10268	.210491533	Prob > F =	0.1587	
Total	2161.74528	10269	.210511761	R-squared =	0.0002	
				Adj R-squared =	0.0001	
				Root MSE =	.45879	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_91_10~s	.2287322	.1622712	1.41	0.159	-.089351	.5468155
_cons	.1462678	.004529	32.30	0.000	.1373901	.1551455

155 . generate quad\_150trns = wd\_9\* trn\_150\_more

156 . regress fiveyrtotal quad\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_150trns _cons	<b>(dropped)</b> .146446	.0045274	32.35	0.000	.1375713	.1553206

157 . generate quad\_sp80\_89 = wd\_9\* sp\_80\_89

158 . regress fiveyrtotal quad\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	.021448508	1	.021448508	F( 1, 10268) =	0.10	
Residual	2161.72383	10268	.210530174	Prob > F =	0.7496	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_sp80_89 _cons	-.1464602 .1464602	.458858 .0045279	-0.32 32.35	0.750 0.000	-1.045911 .1375847	.752991 .1553357

159 . generate quad\_5\_6TL = wd\_9\* tl\_5\_6

160 . regress fiveyrtotal quad\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	.135862271	1	.135862271	F( 1, 10268) =	0.65	
Residual	2161.60942	10268	.210519031	Prob > F =	0.4218	
Total	2161.74528	10269	.210511761	R-squared =	0.0001	
				Adj R-squared =	-0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_5_6TL _cons	.1393633 .146351	.1734781 .0045291	0.80 32.31	0.422 0.000	-.2006876 .1374731	.4794143 .1552288

161 . generate quad\_7TL = wd\_9\* tl\_7\_more

162 . regress fiveyrtotal quad\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	11.0805911	1	11.0805911	F( 1, 10268) =	52.90	
Residual	2150.66469	10268	.209453125	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0051	
				Adj R-squared =	0.0050	
				Root MSE =	.45766	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
quad_7TL _cons	2.354012 .1459875	.3236464 .0045165	7.27 32.32	0.000 0.000	1.719603 .1371343	2.988422 .1548407

163 . generate trn4660\_uma = trn\_46\_60\* u\_minor\_arterial

164 . regress fiveyrtotal trn4660\_uma

Source	SS	df	MS	Number of obs = 10270		
Model	6.49829876	1	6.49829876	F( 1, 10268) =	30.96	
Residual	2155.24698	10268	.209899394	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45815	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn4660_uma	.28264	.0507972	5.56	0.000	.1830677	.3822124
_cons	.1441892	.004539	31.77	0.000	.1352919	.1530866

165 . generate trn4660\_3\_4TL = trn\_46\_60\* tl\_3\_4

166 . regress fiveyrtotal trn4660\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	2.91987762	1	2.91987762	F( 1, 10268) =	13.89	
Residual	2158.8254	10268	.210247896	Prob > F =	0.0002	
Total	2161.74528	10269	.210511761	R-squared =	0.0014	
				Adj R-squared =	0.0013	
				Root MSE =	.45853	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn4660_3_~L	.2142643	.0574954	3.73	0.000	.101562	.3269665
_cons	.1451107	.0045388	31.97	0.000	.1362138	.1540076

167 . generate trn4660\_uopa = trn\_46\_60\* u\_oth\_prin\_arterial

168 . regress fiveyrtotal trn4660\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	.58332571	1	.58332571	F( 1, 10268) =	2.77	
Residual	2161.16195	10268	.210475453	Prob > F =	0.0960	
Total	2161.74528	10269	.210511761	R-squared =	0.0003	
				Adj R-squared =	0.0002	
				Root MSE =	.45878	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn4660_uopa	.1352254	.0812276	1.66	0.096	-.0239965	.2944472
_cons	.1460246	.0045341	32.21	0.000	.1371369	.1549124

169 . generate trn4660\_sp80\_89 = trn\_46\_60\*sp\_80\_89



170 . regress fiveyrtotal trn4660\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn4660_s~89	(dropped)					
_cons	.146446	.0045274	32.33	0.000	.1375713	.1553206

171 . generate trn4660\_5\_6TL = trn\_46\_60\* tl\_5\_6

172 . regress fiveyrtotal trn4660\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	4.27549193	1	4.27549193	F( 1, 10268) =	20.35	
Residual	2157.46979	10268	.210115873	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0020	
				Adj R-squared =	0.0019	
				Root MSE =	.45838	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn4660_5~L	.654191	.1450244	4.51	0.000	.369915	.9384671
_cons	.145809	.0045254	32.22	0.000	.1369383	.1546796

173 . generate trn4660\_7TL = trn\_46\_60\* tl\_7\_more

174 . regress fiveyrtotal trn4660\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	3.43599715	1	3.43599715	F( 1, 10268) =	16.35	
Residual	2158.30928	10268	.210197632	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0016	
				Adj R-squared =	0.0015	
				Root MSE =	.45847	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn4660_7TL	1.853735	.4584955	4.04	0.000	.954994	2.752475
_cons	.1462655	.0045243	32.33	0.000	.137397	.1551339

175 . generate uma\_3\_4TL = u\_minor\_arterial\* tl\_3\_4

176 . regress fiveyrtotal uma\_3\_4TL

Source	SS	df	MS	Number of obs = 10270		
Model	6.64713648	1	6.64713648	F( 1, 10268) =	31.67	
Residual	2155.09814	10268	.209884899	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0031	
				Adj R-squared =	0.0030	
				Root MSE =	.45813	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_3_4TL	.1634959	.0290523	5.63	0.000	.1065478	.2204441
_cons	.1423864	.0045779	31.10	0.000	.1334129	.15136

177 . generate uma\_61\_75trns = u\_minor\_arterial\* trn\_61\_75

178 . regress fiveyrtotal uma\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	6.0564472	1	6.0564472	F( 1, 10268) =	28.85	
Residual	2155.68883	10268	.209942426	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0028	
				Adj R-squared =	0.0027	
				Root MSE =	.45819	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_61_75t~s	.3454657	.06432	5.37	0.000	.2193859	.4715454
_cons	.1447304	.0045326	31.93	0.000	.1358457	.1536152

179 . generate uma\_106\_120trns = u\_minor\_arterial\* trn\_106\_120

180 . regress fiveyrtotal uma\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	.47249702	1	.47249702	F( 1, 10268) =	2.24	
Residual	2161.27278	10268	.210486247	Prob > F =	0.1341	
Total	2161.74528	10269	.210511761	R-squared =	0.0002	
				Adj R-squared =	0.0001	
				Root MSE =	.45879	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_106_12~s	.1538537	.1026881	1.50	0.134	-.0474351	.3551424
_cons	.1461463	.0045316	32.25	0.000	.1372636	.1550291

181 . generate uma\_91\_105trns = u\_minor\_arterial\* trn\_91\_105

182 . regress fiveyrtotal uma\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	5.97780666	1	5.97780666	F( 1, 10268) =	28.47	
Residual	2155.76747	10268	.209950085	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0028	
				Adj R-squared =	0.0027	
				Root MSE =	.4582	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_91_105~s	.5767872	.1080943	5.34	0.000	.3649013	.788673
_cons	.145435	.0045254	32.14	0.000	.1365644	.1543056

183 . generate uma\_150trns = u\_minor\_arterial\* trn\_150\_more

184 . regress fiveyrtotal uma\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	.000180561	1	.000180561	F( 1, 10268) =	0.00	
Residual	2161.7451	10268	.210532246	Prob > F =	0.9766	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_150trns	-.0035937	.1227133	-0.03	0.977	-.2441356	.2369482
_cons	.1464509	.0045308	32.32	0.000	.1375697	.155332

185 . generate uma\_sp80\_89 = u\_minor\_arterial\* sp\_80\_89

186 . regress fiveyrtotal uma\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	3.06720733	1	3.06720733	F( 1, 10268) =	14.59	
Residual	2158.67807	10268	.210233548	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0014	
				Adj R-squared =	0.0013	
				Root MSE =	.45851	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_sp80_89	.5540936	.145065	3.82	0.000	.2697379	.8384492
_cons	.1459064	.0045267	32.23	0.000	.1370333	.1547796

187 . generate uma\_5\_6TL = u\_minor\_arterial\* tl\_5\_6

188 . regress fiveyrtotal uma\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	.562189998	1	.562189998	F( 1, 10268) =	2.67	
Residual	2161.18309	10268	.210477511	Prob > F =	0.1022	
Total	2161.74528	10269	.210511761	R-squared =	0.0003	
				Adj R-squared =	0.0002	
				Root MSE =	.45878	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_5_6TL	.1159329	.0709362	1.63	0.102	-.0231159	.2549818
_cons	.1459718	.0045364	32.18	0.000	.1370797	.154864

189 . generate uma\_7TL = u\_minor\_arterial\* tl\_7\_more

190 . regress fiveyrtotal uma\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	7.33128959	1	7.33128959	F( 1, 10268) =	34.94	
Residual	2154.41399	10268	.209818269	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0034	
				Adj R-squared =	0.0033	
				Root MSE =	.45806	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uma_7TL	1.354081	.2290742	5.91	0.000	.9050513	1.803112
_cons	.1459186	.0045209	32.28	0.000	.1370568	.1547803

191 . generate 34TL\_61\_75trns = tl\_3\_4\* trn\_61\_75  
**34TL\_61\_75trns invalid name**  
 r(198);

192 . generate TL34\_61\_75trns = tl\_3\_4\* trn\_61\_75

193 . regress fiveyrtotal TL34\_61\_75trns

Source	SS	df	MS	Number of obs = 10270		
Model	2.67516442	1	2.67516442	F( 1, 10268) =	12.72	
Residual	2159.07011	10268	.210271729	Prob > F =	0.0004	
Total	2161.74528	10269	.210511761	R-squared =	0.0012	
				Adj R-squared =	0.0011	
				Root MSE =	.45855	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
TL34_61_75~s	.2499494	.0700757	3.57	0.000	.1125874	.3873114
_cons	.1453994	.0045344	32.07	0.000	.1365112	.1542877

194 . generate TL34\_uopa = tl\_3\_4\* u\_oth\_prin\_arterial

195 . regress fiveyrtotal TL34\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	9.14632585	1	9.14632585	F( 1, 10268) =	43.63	
Residual	2152.59895	10268	.209641503	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0042	
				Adj R-squared =	0.0041	
				Root MSE =	.45787	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
TL34_uopa	.2338963	.035411	6.61	0.000	.1644838	.3033089
_cons	.1425743	.0045559	31.29	0.000	.1336437	.1515048

196 . generate TL34\_106\_120trns = tl\_3\_4\* trn\_106\_120

197 . regress fiveyrtotal TL34\_106\_120trns

Source	SS	df	MS	Number of obs = 10270		
Model	1.04529789	1	1.04529789	F( 1, 10268) =	4.97	
Residual	2160.69998	10268	.210430462	Prob > F =	0.0259	
Total	2161.74528	10269	.210511761	R-squared =	0.0005	
				Adj R-squared =	0.0004	
				Root MSE =	.45873	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
TL34_106_1~s	.3084298	.1383855	2.23	0.026	.0371672	.5796925
_cons	.1461156	.004529	32.26	0.000	.1372379	.1549933

198 . generate TL34\_91\_105trns = tl\_3\_4\* trn\_91\_105

199 . regress fiveyrtotal TL34\_91\_105trns

Source	SS	df	MS	Number of obs = 10270		
Model	14.397387	1	14.397387	F( 1, 10268) =	68.84	
Residual	2147.34789	10268	.209130102	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0067	
				Adj R-squared =	0.0066	
				Root MSE =	.45731	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
TL34_91_10~s	.8098343	.0976029	8.30	0.000	.6185136	1.001155
_cons	.1447112	.0045174	32.03	0.000	.1358562	.1535662

200 . generate TL34\_150trns = tl\_3\_4\* trn\_150\_more

201 . regress fiveyrtotal TL34\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	6.41636478	1	6.41636478	F( 1, 10268) =	30.57	
Residual	2155.32891	10268	.209907374	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0030	
				Adj R-squared =	0.0029	
				Root MSE =	.45816	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
TL34_150trns	.65451	.118382	5.53	0.000	.4224582	.8865618
_cons	.14549	.0045242	32.16	0.000	.1366216	.1543584

202 . generate TL34\_sp80\_89 = tl\_3\_4\* sp\_80\_89

203 . regress fiveyrtotal TL34\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	4.87322413	1	4.87322413	F( 1, 10268) =	23.20	
Residual	2156.87205	10268	.21005766	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.45832	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
TL34_sp80_89	1.103984	.2292049	4.82	0.000	.6546978	1.55327
_cons	.146016	.0045234	32.28	0.000	.1371492	.1548828

204 . generate trn6175\_uopa = trn\_61\_75\* u\_oth\_prin\_arterial

205 . regress fiveyrtotal trn6175\_uopa

Source	SS	df	MS	Number of obs = 10270		
Model	6.14039946	1	6.14039946	F( 1, 10268) =	29.25	
Residual	2155.60488	10268	.20993425	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0028	
				Adj R-squared =	0.0027	
				Root MSE =	.45819	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn6175_uopa	.5546341	.1025534	5.41	0.000	.3536095	.7556588
_cons	.1453659	.0045256	32.12	0.000	.1364947	.154237

206 . generate trn6175\_sp80\_89 = trn\_61\_75\* sp\_80\_89

207 . regress fiveyrtotal trn6175\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	.36519363	1	.36519363	F( 1, 10268) =	1.73	
Residual	2161.38008	10268	.210496697	Prob > F =	0.1878	
Total	2161.74528	10269	.210511761	R-squared =	0.0002	
				Adj R-squared =	0.0001	
				Root MSE =	.4588	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn6175_s~89	-.1466888	.1113674	-1.32	0.188	-.3649905	.071613
_cons	.1466888	.004531	32.37	0.000	.1378071	.1555705

208 . generate trn6175\_5\_6TL = trn\_61\_75\* tl\_5\_6

209 . regress fiveyrtotal trn6175\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	2.2485117	1	2.2485117	F( 1, 10268) =	10.69	
Residual	2159.49677	10268	.210313281	Prob > F =	0.0011	
Total	2161.74528	10269	.210511761	R-squared =	0.0010	
				Adj R-squared =	0.0009	
				Root MSE =	.4586	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn6175_5~L	.3874533	.1184964	3.27	0.001	.1551773	.6197293
_cons	.1458801	.0045286	32.21	0.000	.1370031	.154757

210 . generate trn6175\_7TL = trn\_61\_75\* tl\_7\_more

211 . regress fiveyrtotal trn6175\_7TL

Source	SS	df	MS	Number of obs = 10270	
Model	6.93523887	1	6.93523887	F( 1, 10268) =	33.05
Residual	2154.81004	10268	.209856841	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0032
				Adj R-squared =	0.0031
				Root MSE =	.4581

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn6175_7TL	1.520665	.2645236	5.75	0.000	1.002147	2.039183
_cons	.1460018	.0045211	32.29	0.000	.1371396	.1548639

212 . generate uopa\_106\_120trns = u\_oth\_prin\_arterial\* trn\_106\_120

213 . regress fiveyrtotal uopa\_106\_120trns

Source	SS	df	MS	Number of obs = 10270	
Model	6.24875244	1	6.24875244	F( 1, 10268) =	29.77
Residual	2155.49653	10268	.209923697	Prob > F =	0.0000
Total	2161.74528	10269	.210511761	R-squared =	0.0029
				Adj R-squared =	0.0028
				Root MSE =	.45817

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uopa_106_1~s	1.020817	.1871035	5.46	0.000	.6540577	1.387577
_cons	.1458496	.0045224	32.25	0.000	.1369847	.1547144

214 . generate uopa\_91\_105trns = u\_oth\_prin\_arterial\* trn\_91\_105

215 . regress fiveyrtotal uopa\_91\_105trns

Source	SS	df	MS	Number of obs = 10270	
Model	1.02905734	1	1.02905734	F( 1, 10268) =	4.89
Residual	2160.71622	10268	.210432043	Prob > F =	0.0270
Total	2161.74528	10269	.210511761	R-squared =	0.0005
				Adj R-squared =	0.0004
				Root MSE =	.45873

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uopa_91_10~s	.453775	.2051997	2.21	0.027	.0515436	.8560063
_cons	.146225	.0045277	32.30	0.000	.1373499	.1551002

216 . generate uopa\_150trns = u\_oth\_prin\_arterial\* trn\_150\_more

217 . regress fiveyrtotal uopa\_150trns

Source	SS	df	MS	Number of obs = 10270		
Model	10.3099994	1	10.3099994	F( 1, 10268) =	49.21	
Residual	2151.43528	10268	.209528173	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0048	
				Adj R-squared =	0.0047	
				Root MSE =	.45774	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uopa_150trns	1.854096	.2643163	7.01	0.000	1.335984	2.372207
_cons	.1459044	.0045175	32.30	0.000	.1370491	.1547596

218 . generate uopa\_sp80\_89 = u\_oth\_prin\_arterial\* sp\_80\_89

219 . regress fiveyrtotal uopa\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uopa_sp80_89	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

220 . generate uopa\_5\_6TL = u\_oth\_prin\_arterial\* tl\_5\_6

221 . regress fiveyrtotal uopa\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	5.62912628	1	5.62912628	F( 1, 10268) =	26.81	
Residual	2156.11615	10268	.209984043	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0026	
				Adj R-squared =	0.0025	
				Root MSE =	.45824	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uopa_5_6TL	.2998378	.0579107	5.18	0.000	.1863215	.4133541
_cons	.1446066	.0045357	31.88	0.000	.1357158	.1534975

222 . generate uopa\_7TL = u\_oth\_prin\_arterial\* tl\_7\_more



223 . regress fiveyrtotal uopa\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	7.66651606	1	7.66651606	F( 1, 10268) =	36.54	
Residual	2154.07876	10268	.209785621	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0035	
				Adj R-squared =	0.0034	
				Root MSE =	.45802	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
uopa_7TL	.9793169	.1619989	6.05	0.000	.6617675	1.296866
_cons	.1456831	.0045214	32.22	0.000	.1368203	.1545459

224 . generate trn106120\_sp80\_89 = trn\_106\_120\* sp\_80\_89

225 . regress fiveyrtotal trn106120\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn106120~89	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

226 . generate trn106120\_5\_6TL = trn\_106\_120\* t1\_5\_6

227 . regress fiveyrtotal trn106120\_5\_6TL

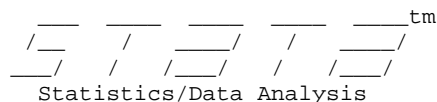
no room to add more variables due to width

An attempt was made to add a variable that would have increased the memory required to store an currently possible. You have the following alternatives:

1. Store existing variables more efficiently; see help [compress](#).
2. Drop some variables or observations; see help [drop](#). (Think of Stata's data area as the ar trade off width and length.)
3. Increase the amount of memory allocated to the data area using the set memory command; see [r\(902\)](#);

228 . log close

log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Co  
log type: smcl  
closed on: 16 Apr 2011, 12:15:25



User: Jennifer Zankowski

log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Co  
 log type: smcl  
 opened on: 16 Apr 2011, 12:16:44

```
1 . generate trn106120_5_6TL = trn_106_120* t1_5_6
2 . regress fiveyrtotal trn106120_5_6TL
```

Source	SS	df	MS	Number of obs = 10270		
Model	4.96534486	1	4.96534486	F( 1, 10268) =	23.64	
Residual	2156.77993	10268	.210048688	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0023	
				Adj R-squared =	0.0022	
				Root MSE =	.45831	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn106120~L	.7430941	.1528372	4.86	0.000	.4435034	1.042685
_cons	.1457948	.0045244	32.22	0.000	.136926	.1546635

```
3 . generate trn106120_7TL = trn_106_120* t1_7_more
4 . regress fiveyrtotal trn106120_7TL
```

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn10612~7TL	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

```
5 . generate trn91105_sp80_89 = trn_91_105* sp_80_89
6 . regress fiveyrtotal trn91105_sp80_89
```

Source	SS	df	MS	Number of obs = 10270		
Model	.042901193	1	.042901193	F( 1, 10268) =	0.20	
Residual	2161.70238	10268	.210528085	Prob > F =	0.6517	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45883	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn91105~89	-.1464745	.3244758	-0.45	0.652	-.7825103	.4895614
_cons	.1464745	.0045281	32.35	0.000	.1375986	.1553504

7 . generate trn91105\_5\_6TL = trn\_91\_105\* t1\_5\_6

8 . regress fiveyrtotal trn91105\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	10.5692424	1	10.5692424	F( 1, 10268) =	50.45	
Residual	2151.17604	10268	.209502925	Prob > F =	0.0000	
Total	2161.74528	10269	.210511761	R-squared =	0.0049	
				Adj R-squared =	0.0048	
				Root MSE =	.45771	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn91105_5~L	1.454262	.2047462	7.10	0.000	1.05292	1.855604
_cons	.1457379	.0045177	32.26	0.000	.1368824	.1545935

9 . generate trn91105\_7TL = trn\_91\_105\* t1\_7\_more

10 . regress fiveyrtotal trn91105\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	3.43599715	1	3.43599715	F( 1, 10268) =	16.35	
Residual	2158.30928	10268	.210197632	Prob > F =	0.0001	
Total	2161.74528	10269	.210511761	R-squared =	0.0016	
				Adj R-squared =	0.0015	
				Root MSE =	.45847	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn91105_7TL	1.853735	.4584955	4.04	0.000	.954994	2.752475
_cons	.1462655	.0045243	32.33	0.000	.137397	.1551339

11 . generate trn150\_sp80\_89 = trn\_150\_more\* sp\_80\_89

12 . regress fiveyrtotal trn150\_sp80\_89

Source	SS	df	MS	Number of obs = 10270		
Model	1.26513386	1	1.26513386	F( 1, 10268) =	6.01	
Residual	2160.48014	10268	.210409052	Prob > F =	0.0142	
Total	2161.74528	10269	.210511761	R-squared =	0.0006	
				Adj R-squared =	0.0005	
				Root MSE =	.4587	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn150_sp~89	.4252725	.1734328	2.45	0.014	.0853104	.7652346
_cons	.1461561	.0045279	32.28	0.000	.1372806	.1550316

13 . generate trn150\_5\_6TL = trn\_150\_more\* t1\_5\_6

14 . regress fiveyrtotal trn150\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn150_5_6TL	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

15 . generate trn150\_7TL = trn\_150\_more\* tl\_7\_more

16 . regress fiveyrtotal trn150\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	.021448508	1	.021448508	F( 1, 10268) =	0.10	
Residual	2161.72383	10268	.210530174	Prob > F =	0.7496	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	-0.0001	
				Root MSE =	.45884	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
trn150_7TL	-.1464602	.458858	-0.32	0.750	-1.045911	.752991
_cons	.1464602	.0045279	32.35	0.000	.1375847	.1553357

17 . generate sp8089\_5\_6TL = sp\_80\_89\* tl\_5\_6

18 . regress fiveyrtotal sp8089\_5\_6TL

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sp8089_5_6TL	(dropped)					
_cons	.146446	.0045274	32.35	0.000	.1375713	.1553206

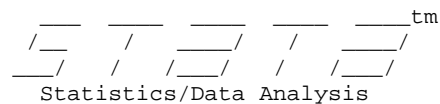
19 . generate sp8089\_7TL = sp\_80\_89\* tl\_7\_more

20 . regress fiveyrtotal sp8089\_7TL

Source	SS	df	MS	Number of obs = 10270		
Model	0	0	.	F( 0, 10269) =	0.00	
Residual	2161.74528	10269	.210511761	Prob > F =	.	
Total	2161.74528	10269	.210511761	R-squared =	0.0000	
				Adj R-squared =	0.0000	
				Root MSE =	.45882	

fiveyrtotal	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sp8089_7TL _cons	<b>(dropped)</b> <b>.146446</b>	<b>.0045274</b>	<b>32.35</b>	<b>0.000</b>	<b>.1375713</b>	<b>.1553206</b>

21 . log close  
 log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Co  
 log type: smcl  
 closed on: 16 Apr 2011, 12:24:37



User: Jennifer Zankowski

log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Ta  
 log type: smcl  
 opened on: 16 Apr 2011, 17:58:35

1 . tabulate pub\_trnspd\_80\_89, sum(fiveyrtotal)

pub_trnspd_80_89	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14567853	.4564691	10228
1	.33333333	.84584109	42
Total	.14644596	.45881561	10270

2 . tabulate, pub\_7tl, sum(fiveyrtotal)  
**varlist required**  
r(100);

3 . tabulate pub\_7tl, sum(fiveyrtotal)

pub_7tl	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14519746	.45606685	10255
1	1	1.1338934	15
Total	.14644596	.45881561	10270

4 . tabulate pub\_5\_6tl, sum(fiveyrtotal)

pub_5_6tl	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14172917	.4441436	10132
1	.49275362	1.0340649	138
Total	.14644596	.45881561	10270

5 . tabulate pub\_150trns, sum(fiveyrtotal)

pub_150trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14473169	.45544686	10212
1	.44827586	.82019283	58
Total	.14644596	.45881561	10270

6 . tabulate incity\_7TL, sum(fiveyrtotal)

incity_7TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14518331	.45604687	10256
1	1.0714286	1.1411388	14
Total	.14644596	.45881561	10270

7 . tabulate incity\_91\_105trns, sum(fiveyrtotal)

incity_91_105trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.143095	.45353588	10210
1	.71666667	.84556002	60
Total	.14644596	.45881561	10270

8 . tabulate incity\_150trns, sum(fiveyrtotal)

incity_150trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14474586	.45546691	10211
1	.44067797	.81518321	59
Total	.14644596	.45881561	10270

9 . tabulate incity\_sp80\_89, sum(fiveyrtotal)

incity_sp80_89	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14579877	.45767328	10247
1	.43478261	.78775209	23
Total	.14644596	.45881561	10270

10 . tabulate incity\_61\_75trns, sum(fiveyrtotal)

incity_61_75trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14108173	.44825793	10058
1	.4009434	.77557443	212
Total	.14644596	.45881561	10270

11 . tabulate hwy75\_91\_105trns, sum(fiveyrtotal)

hwy75_91_105trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14412916	.45554909	10220
1	.62	.77958649	50
Total	.14644596	.45881561	10270

12 . tabulate hwy75\_150trns, sum(fiveyrtotal)

hwy75_150trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14615835	.45829573	10256
1	.35714286	.74494634	14
Total	.14644596	.45881561	10270

13 . tabulate hwy75\_80\_89sp, sum(fiveyrtotal)

hwy75_80_89 sp	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14557518	.45620043	10249
1	.57142857	1.1212238	21
Total	.14644596	.45881561	10270

14 . tabulate hwy75\_61\_75trns, sum(fiveyrtotal)

hwy75_61_75 trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14364805	.45286854	10115
1	.32903226	.73067908	155
Total	.14644596	.45881561	10270

15 . tabulate trnsp70\_79\_7TL, sum(fiveyrtotal)

trnsp70_79_ 7TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14573794	.45746344	10265
1	1.6	.89442719	5
Total	.14644596	.45881561	10270

16 . tabulate trnsp70\_79\_5\_6TL, sum(fiveyrtotal)

trnsp70_79_ 5_6TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14323478	.44796258	10214
1	.73214286	1.3002248	56
Total	.14644596	.45881561	10270

17 . tabulate trnsp70\_79\_106\_120trns, sum(fiveyrtotal)

trnsp70_79_ 106_120trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.145325	.45624682	10246
1	.625	1.0134959	24
Total	.14644596	.45881561	10270

18 . tabulate trnsp70\_79\_150trns, sum(fiveyrtotal)

trnsp70_79_ 150trns	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14515971	.45619918	10237
1	.54545455	.90453403	33
Total	.14644596	.45881561	10270



19 . tabulate trnsp70\_79\_U\_o\_p\_arterial, sum(fiveyrtotal)

trnsp70_79_U_o_p_arterial	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14188456	.45085823	10135
1	.48888889	.79987561	135
Total	.14644596	.45881561	10270

20 . tabulate hwy75\_7TL, sum(fiveyrtotal)

hwy75_7TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.1458374	.45760367	10258
1	.66666667	.98473193	12
Total	.14644596	.45881561	10270

21 . generate com\_8089 = commercial\* sp\_80\_89

22 . tabulate com\_8089, sum(fiveyrtotal)

com_8089	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14546164	.45625434	10257
1	.92307692	1.255756	13
Total	.14644596	.45881561	10270

23 . generate com\_91105 = commercial\* trn\_91\_105

24 . tabulate com\_91105, sum(fiveyrtotal)

com_91105	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14465716	.45644129	10238
1	.71875	.77185888	32
Total	.14644596	.45881561	10270

25 . generate com\_7TL = commercial\* tl\_7\_more

26 . tabulate com\_7TL, sum(fiveyrtotal)

com_7TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.1458374	.45760367	10258
1	.66666667	.98473193	12
Total	.14644596	.45881561	10270

27 . generate com\_quad = commercial\* wd\_9

28 . tabulate com\_quad, sum(fiveyrtotal)

com_quad	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	<b>.14475743</b>	<b>.45664623</b>	<b>10224</b>
1	<b>.52173913</b>	<b>.72231512</b>	<b>46</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

29 . generate com\_106120 = commercial\* trn\_106\_120

30 . tabulate com\_106120, sum(fiveyrtotal)

com_106120	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	<b>.14603236</b>	<b>.45839302</b>	<b>10258</b>
1	<b>.5</b>	<b>.67419986</b>	<b>12</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

31 . generate illum\_7TL = illumina\* tl\_7\_more

32 . tabulate illum\_7TL, sum(fiveyrtotal)

illum_7TL	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	<b>.14519746</b>	<b>.45606685</b>	<b>10255</b>
1	<b>.1</b>	<b>1.1338934</b>	<b>15</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

33 . generate illum\_91105 = illumina\* trn\_91\_105

34 . tabulate illum\_91105, sum(fiveyrtotal)

illum_91105	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	<b>.14426646</b>	<b>.45570831</b>	<b>10238</b>
1	<b>.84375</b>	<b>.80759999</b>	<b>32</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

35 . generate illum\_8089 = illumina\* sp\_80\_89

36 . tabulate illum\_8089, sum(fiveyrtotal)

illum_8089	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	<b>.1453375</b>	<b>.45598879</b>	<b>10252</b>
1	<b>.77777778</b>	<b>1.1659662</b>	<b>18</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

37 . generate illum\_quad = illumina\* wd\_9

38 . tabulate illum\_quad, sum(fiveyrtotal)

illum_quad	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	<b>.14435618</b>	<b>.45507337</b>	<b>10197</b>
1	<b>.43835616</b>	<b>.78149254</b>	<b>73</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

39 . generate illum\_106120 = illumina\* trn\_61\_75

40 . tabulate illum\_106120, sum(fiveyrtotal)

illum_10612	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	<b>.14299803</b>	<b>.45104047</b>	<b>10140</b>
1	<b>.41538462</b>	<b>.83326774</b>	<b>130</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

41 . generate gate\_7TL = wd\_8\* tl\_7\_more

42 . tabulate gate\_7TL, sum(fiveyrtotal)

gate_7TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	<b>.14562823</b>	<b>.45721949</b>	<b>10259</b>
1	<b>.90909091</b>	<b>1.0444659</b>	<b>11</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

43 . generate gate\_91105 = wd\_8\* trn\_91\_105

44 . tabulate gate\_91105, sum(fiveyrtotal)

gate_91105	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	<b>.1429834</b>	<b>.45325772</b>	<b>10183</b>
1	<b>.55172414</b>	<b>.80346084</b>	<b>87</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

45 . generate gate\_56TL = wd\_8\* tl\_5\_6

46 . tabulate gate\_56TL, sum(fiveyrtotal)

gate_56TL	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	<b>.14181531</b>	<b>.44408722</b>	<b>10147</b>
1	<b>.52845528</b>	<b>1.0813259</b>	<b>123</b>
Total	<b>.14644596</b>	<b>.45881561</b>	<b>10270</b>

47 . generate gate\_150trns = wd\_8\* trn\_150\_more

48 . tabulate gate\_150trns, sum(fiveyrtotal)

gate_150trns	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14473169	.45544686	10212
1	.44827586	.82019283	58
Total	.14644596	.45881561	10270

49 . generate gate\_106120 = wd\_8\* trn\_106\_120

50 . tabulate gate\_106120, sum(fiveyrtotal)

gate_106120	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14517707	.45634781	10222
1	.41666667	.79448453	48
Total	.14644596	.45881561	10270

51 . generate 2635\_7TL = hwysp\_26\_35\* tl\_7\_more

**2635\_7TL invalid name**  
r(198);

52 . generate hwy2635\_7TL = hwysp\_26\_35\* tl\_7\_more

53 . tabulate hwy2635\_7TL, sum(fiveyrtotal)

hwy2635_7TL	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14611338	.45817039	10266
1	1	1.1547005	4
Total	.14644596	.45881561	10270

54 . generate hwy2635\_8089 = hwysp\_26\_35\* sp\_80\_89

55 . tabulate hwy2635\_8089, sum(fiveyrtotal)

hwy2635_8089	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14571345	.45755292	10253
1	.58823529	.87026027	17
Total	.14644596	.45881561	10270

56 . generate hwy2635\_150 hwysp\_26\_35\* trn\_150\_more

**hwysp\_26\_35 already defined**  
r(110);

57 . generate hwy2635\_150 = hwysp\_26\_35\* trn\_150\_more

58 . tabulate hwy2635\_150, sum(fiveyrtotal)

hwy2635_150	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14571345	.45733969	10253
1	.58823529	.93933644	17
Total	.14644596	.45881561	10270

59 . generate hwy2635\_91105 = hwysp\_26\_35\* trn\_91\_105

60 . tabulate hwy2635\_91105, sum(fiveyrtotal)

hwy2635_91105	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14593488	.45810495	10258
1	.58333333	.79296146	12
Total	.14644596	.45881561	10270

61 . generate hwy2635\_6175 = hwysp\_26\_35\* trn\_61\_75

62 . tabulate hwy2635\_6175, sum(fiveyrtotal)

hwy2635_6175	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14438241	.45390809	10209
1	.49180328	.92417442	61
Total	.14644596	.45881561	10270

63 . generate TL34\_8089 = tl\_3\_4\* sp\_80\_89

64 . tabulate TL34\_8089, sum(fiveyrtotal)

TL34_8089	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14601598	.4572437	10266
1	1.25	1.8929694	4
Total	.14644596	.45881561	10270

65 . generate TL34\_91105 = tl\_3\_4\* trn\_91\_105

66 . tabulate TL34\_91105, sum(fiveyrtotal)

TL34_91105	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14471116	.45596502	10248
1	.95454545	.89853175	22
Total	.14644596	.45881561	10270

67 . generate TL34\_150 = tl\_3\_4\* trn\_150\_more

68 . tabulate TL34\_150, sum(fiveyrtotal)

TL34_150	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14549	.45650799	10255
1	.8	1.146423	15
Total	.14644596	.45881561	10270

69 . generate TL34\_7690 = tl\_3\_4\* trn\_76\_90

70 . tabulate TL34\_7690, sum(fiveyrtotal)

TL34_7690	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14428445	.45361542	10209
1	.50819672	.94203593	61
Total	.14644596	.45881561	10270

71 . generate TL34\_106120 = tl\_3\_4\* trn\_106\_120

72 . tabulate TL34\_106120, sum(fiveyrtotal)

TL34_106120	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14611561	.45823552	10259
1	.45454545	.82019953	11
Total	.14644596	.45881561	10270

73 . generate ind\_TL56 = industrial\* tl\_5\_6

74 . tabulate ind\_TL56, sum(fiveyrtotal)

ind_TL56	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14439024	.45290472	10250
1	1.2	1.3992479	20
Total	.14644596	.45881561	10270

75 . generate ind\_150 = industrial\* trn\_150\_more

76 . tabulate ind\_150, sum(fiveyrtotal)

ind_150	Summary of FIVE-YR TOTAL		Freq.
	Mean	Std. Dev.	
0	.14629395	.45851326	10267
1	.66666667	1.1547005	3
Total	.14644596	.45881561	10270

77 . generate ind\_8089 = industrial\* sp\_80\_89

78 . tabulate ind\_8089, sum(fiveyrtotal)

ind_8089	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14629395	.45851326	10267
1	.66666667	1.1547005	3
Total	.14644596	.45881561	10270

79 . generate ind\_91105 = industrial\* trn\_91\_105

80 . tabulate ind\_91105, sum(fiveyrtotal)

ind_91105	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.14561592	.45726411	10253
1	.64705882	.93147574	17
Total	.14644596	.45881561	10270

81 . generate ind\_6175 = industrial\* trn\_61\_75

82 . tabulate ind\_6175, sum(fiveyrtotal)

ind_6175	Summary of FIVE-YR TOTAL		
	Mean	Std. Dev.	Freq.
0	.1447137	.45373021	10234
1	.63888889	1.1502243	36
Total	.14644596	.45881561	10270

83 . log close

log: C:\Documents and Settings\Owner.JENNIFER\Desktop\Rail\PR Doc\Model Runs\Round 1 Log\Ta  
log type: smcl  
closed on: 16 Apr 2011, 19:07:48

**ASA Summary**

**Total Accidents in Corridor 17**

Variable	Total Xings	Total Accidents
Public	111	16
Angle 60-90	108	16
All Gates	108	15
1-2 Traffic Lanes	95	14
In City	84	12
16-30 Daily Trains	87	11
Hwy Speed 26-35 mph	64	8
Hwy Speed 36-45 mph	43	8
Train Speed 70-79	44	7
Train Speed 30-39	40	6
Residential	41	6
U Minor Arterial	25	6
Not In City	31	5
Open Space	32	5
Commercial	28	5
Urban Local	37	5
0-15 Daily Trains	27	5
Hwy Less than 75'	18	3
3-4 Traffic Lanes	20	3
Illumination	7	3
Train Speed 40-49	18	2
Train Speed 50-59	6	2
Rural Local	16	2
U Collector	18	2
Private	4	1
No Warning Device	2	1
Crossbucks	3	1
Industrial	12	1
Angle 30-59	4	1
R Major Collector	7	1
Urban Interstate	1	1
31-45 Daily Trains	1	1
Hwy Speed less than 2	4	1
Whistle Ban	0	0
Pedestrian	0	0
Train Speed 0-29	0	0
Train Speed 10-19	0	0
Train Speed 20-29	5	0
Train Speed 60-69	2	0
Train Speed 80-89	0	0
Train Speed 90-99	0	0
Train Speed 100-109	0	0
Train Speed 110+	0	0
Other	1	0



Appendix B  
 ASA Corridor Summary

Variable	Total Xings	Total Accidents
Stop Sign	0	0
Special Active	0	0
Signal/WW/Bells	0	0
Flashing Lights	1	0
Four Quad	0	0
Recreational	0	0
Farm	0	0
Institutional	2	0
Angle 0-29	3	0
5-6 Traffic Lanes	0	0
7+Traffic Lanes	0	0
Rural Interstate	0	0
R Other Prin Arterial	0	0
R Minor Arterial	1	0
R Minor Collector	1	0
U Other Freeway	1	0
U Other Prin Arterial	8	0
46-60 Daily Trains	0	0
61-75 Daily Trains	0	0
76-90 Daily Trains	0	0
91-105 Daily Trains	0	0
106-120 Daily Trains	0	0
121-135 Daily Trains	0	0
136-150 Daily Trains	0	0
150+ Daily Trains	0	0
Hwy Speed 50+ mph	4	0