

NC 540 Bonus Allocation
Regional Impact Programming Recommendation

Project	10 Year Travel Time Savings (In Hours)*	Project Rank	Programming Amount
US 401 Superstreet (A644 2035) from Lake Wheeler to Hilltop Needmore	5,883,000	1	\$15,000,000
NC 55 & Technology Drive Grade Separation (A98c 2045) (E. Williams Street extended to the intersection of Old Smithfield/Sunset Lake Road	4,901,000	2	\$30,000,000
NC 55 & Holly Springs Road Interchange	1,606,000	3	
NC 55 & Main Street Interchange	226,000	4	
NC 50 Widening and Intersection Improvements from Timber Drive to Rand Road	-349,000	5	

NC 540 Bonus Allocation
Division Needs Programming Recommendation

Intersections To Considered for NC 540 Bonus Allocation Funding							Total Crashes		Crash rate		SPOT Online Cost Estimate Basis	Division Cost	Regional Cost
County	Funding Tier	Delay/year (hours @260 days)	CAMPO Final Rank (Delay)	Total Annual (260 days) Delay Cost	Street 1	Street 2	TOTAL CRASHES	Total Crashes (Rank)	Crash Rate	Crash Rate (Rank)			
Wake	Division	91,304	1	\$ 1,635,255	Ten Ten Rd(SR 1010)	Lake Wheeler Rd (SR 1375)	25	8	54.5	16	\$1,430,000 for 2 turn lanes	\$ 1,430,000	
Wake	Division	90,103	2	\$ 1,613,752	Kildaire Farm Rd(SR 1300)	Penny Rd(SR 1379)	34	4	58.0	14	\$715,000 to add 1 turn lane\$14,101,000 to widen Penny	\$ 715,000	
Wake	Division	69,939	4	\$ 1,252,611	Holly Springs Rd(SR 1152)	Sunset Lake Rd(SR 1301)	66	1	141.8	3	\$1,430,000 for 2 turn lanes	\$ 1,430,000	
Wake	Division	56,138	6	\$ 1,005,424	Old Stage Rd(SR 1006)	Ten Ten Rd(SR 1010)	46	2	97.3	6	\$1,430,000 for 2 turn lanes; \$7.354,000 for widening from Old Stage to N	\$ 8,784,000	
Wake	Division	52,173	7	\$ 934,420	Lake Wheeler Rd (SR 1375)	Hilltop Needmore Rd (SR 1393)	26	6	105.5	5	\$2,860,000 for 4 turn lanes	\$ 2,860,000	
Johnston	Division	49,834	8	\$ 892,535	Cleveland Rd (SR 1010)	Old Drug Store (SR 2981)	15	14	93.2	8	\$2,860,000 for four turn lanes	\$ 2,860,000	
Wake	Division	49,355	9	\$ 883,941	Lake Wheeler Rd(SR 1375), La	Simpkins Farm Ln(Local), Simpkins Rd(SR 1	32	5	128.9	4	\$2,145,000 for 3 turn lanes	\$ 2,145,000	
Wake	Division	40,182	10	\$ 719,656	Old Stage Rd(SR 1006)	Rock Service Station Rd(SR 2736)	36	3	225.4	2	\$2,214,000 for 1 lane roundabout	\$ 2,214,000	
Wake	Division	26,862	13	\$ 481,104	Ten Ten Rd(SR 1010)	Bells Lake Rd(SR 1386), Graham Newton R	26	6	78.9	10	\$2,860,000 for 4 turn lanes	\$ 2,860,000	
Wake	Division	24,673	15	\$ 441,898	Hilltop Needmore Rd(SR 1393)	Johnson Pond Rd(SR 1404)	18	12	67.6	12	\$1,430,000 for 2 turn lanes	\$ 1,430,000	
Wake	Division	22,716	17	\$ 406,841	Holly Springs Rd(SR 1152)	Arthur Pierce Rd(SR 1305)	5	19	19.7	19	\$9,509,000 for realignment with center turn lanes (?)	\$ 9,509,000	
Wake	Division	22,459	18	\$ 402,239	NC 42	Rock Service Road					\$2,145,000 for 3 turn lanes	\$ 2,145,000	
Wake	Division	21,668	19	\$ 388,073	Ten Ten Rd(SR 1010)	Rand Rd(SR 2728)	14	15	41.5	17	\$1,430,000 for 2 turn lanes	\$ 1,430,000	
Wake	Division	17,034	21	\$ 305,073	SR 1390 (Optimist Farm)	SR 1404 (Johnson Pond Rd)	9	17	54.8	15	Cost: \$2,860,000 for 4 turn lanes	\$ 2,860,000	
Wake	Division	16,212	22	\$ 290,348	Optimist Farm Rd(SR 1390)	Bells Lake Rd(SR 1386)	19	11	79.2	9	\$2,214,000 for 1 lane roundabout	\$ 2,214,000	
Wake	Division	15,352	24	\$ 274,961	Ten Ten Rd(SR 1010)	Johnson Pond Rd(SR 1404), Blaney Franks	25	8	93.5	7	\$80,000 for two signalized intersections	\$ 80,000	
Wake	Division	11,229	26	\$ 201,105	SR 1390 (Optimist Farm)	SR 1391 (Manns Loop)	7	18	34.9	18	\$715,000 for 1 turn lane	\$ 715,000	
Wake	Division	9,451	27	\$ 169,260	White Oak Rd(SR 2547)	Hillandale Ln(SR 2876)	5	19	10.7	20	\$52,000 for one signalized intersection	\$ 52,000	
Wake	Division	7,641	28	\$ 136,858	Old Stage Rd(SR 1006)	Legend Rd(SR 2717)	1	21	4.9	21	\$715,000 for 1 turn lane	\$ 715,000	
Wake	Division	7,357	29	\$ 131,758	SR 1382 (Olde South Rd)	Penny Rd(SR 1379)	24	10	252.4	1	\$715,000 per turn lane	\$ 715,000	
Wake	Division	6,328	30	\$ 113,332	Old Stage Rd(SR 1006)	Woodland Rd(SR 2715)	18	12	73.9	11	\$715,000 for 1 turn lane	\$ 715,000	
Wake	Division				Johnson Pond Rd(SR 1404)	Whitted Rd(SR 1407)	10	16	64.1	13	\$2,214,000 for 1 lane roundabout	\$ 2,214,000	
												\$ 50,092,000	

County	Funding Tier	Delay/year (hours @260 days)	CAMPO Final Rank (Delay)	Total Annual (260 days) Delay Cost	Street 1	Street 2	TOTAL CRASHES	Total Crashes (Rank)	Crash Rate	Crash Rate (Rank)	SPOT Online Cost Estimate Basis	Division Cost	Regional Cost
Wake	Regional	74,342	3	\$ 1,331,469	NC-50(Benson Rd)	Timber Dr(SR 2812), Timber Drive East(SR	118	1	195.9	1	Extend RTL NB from Timber to New Rand		\$ 141,000
Wake	Regional	67,906	5	\$ 1,216,200	NC-55(Main St)	Holly Springs Rd(SR 1152)	29	5	61.1	7	\$715,000 to add 1 turn lane		\$ 715,000
Wake	Regional	33,082	11	\$ 592,499	NC-50(Benson Rd)	Rand Rd(SR 2728)	16	8	39.9	8	\$553,000 to extend turn lane		\$ 553,000
Wake	Regional	27,438	12	\$ 491,415	NC-42	Hilltop Rd(SR 2751)	12	9	37.1	9	Hot Spot Recommendation \$6m: Relocate Hilltop Rd and Panther Lake Rd		\$ 6,000,000
Wake	Regional	25,318	14	\$ 453,454	NC-42	Old Stage Rd(SR 1006)	21	6	63.4	6	\$1,430,000 for 2 turn lanes		\$ 1,430,000
Wake	Regional	24,365	16	\$ 436,383	NC-42	Johnston Rd(SR 2735)	18	7	69.7	5	\$715,000 for 1 turn lane		\$ 715,000
Wake	Regional	17,533	20	\$ 314,009	NC-50(Benson Rd)	Steven Oaks Dr(SR 5324)/Cleveland School	70	2	195.7	2	\$715,000 to add 1 turn lane		\$ 715,000
Wake	Regional	16,118	23	\$ 288,681	Ten Ten Rd(SR 1010)	NC-50(Benson Rd)	66	3	186.4	3	\$715,000 to add 1 turn lane		\$ 715,000
Wake	Regional	13,730	25	\$ 245,906	NC-55 (Williams St)	Sunset Lake Rd(SR 1301), Old Smithfield Rd	48	4	111.9	4	\$715,000 for 1 turn lane		\$ 715,000

\$ 11,699,000