

**Winston-Salem Urban Area Metropolitan Planning Organization
2035 Transportation Plan
Street and Highway Project Cost Estimates and Financial Projections**

November 24, 2008

Project Title	Project Description	STIP Number	2008 Estimated Project Cost (\$000)	Estimated Urban Area Portion Cost (\$000)	Estimated Date of Completion	Inflation Factor Used (%)	Final Inflated Cost (\$000)	Prior Years Cost (\$000)	STIP Funding Sources (\$000)						STIP Funding Sources Total (\$000)	Non STIP or Post Year Costs (\$000)	By 2025 Federal	By 2025 State	By 2035 Federal	By 2035 State	All Years Local	Project Status, Notes
									NHS	STP or STP-DA	IM	CMAQ and Federal Aid	State	Highway Trust Fund								
2008-2009 Projects																						
Lewisville-Clemmons Road	Widen to Multi-Lanes	U-3119A	\$34,202	\$34,202	2009	1.000	\$34,202	\$34,202							\$0	\$0					Under Construction; Completion in 2009	
NC 801	Replace Bridge, Revise Interchange	B-3637	\$22,054	\$22,054	2009	1.000	\$22,054	\$8,068			\$13,986				\$13,986	\$0					Under Construction; Completion in 2009; Using GARVEE Funds	
Bowen Boulevard	Realign Intersection		\$1,912	\$1,912	2008	1.000	\$1,912	\$1,912							\$0	\$0					Completed in late 2008	
West Clemmonsville Road Ext.	New Three-Lane Road		\$4,492	\$4,492	2009	1.000	\$4,492	\$2,126							\$0	\$2,366					Design, City of Winston-Salem Bonds; Completion in 2009	
Burke Mill Road Realignment	New Road to Atwood Drive		\$2,253	\$2,253	2008	1.000	\$2,253	\$2,253							\$0	\$0					Completed in 2008	
2010 Projects																						
US 158 (Clemmons Road)	Replace Bridge	B-3835	\$18,073	\$18,073	2010	1.076	\$19,447	\$18,073							\$0	\$1,374		\$1,374			Design Build; Under Construction; Completion in 2010	
Research Park Boulevard	New Four Lane Road	U-4918	\$11,816	\$11,816	2010	1.076	\$12,714	\$9,687			\$1,703				\$1,703	\$1,324				\$1,324	Earmarked Project; Under Construction; Local Funding by PTRP	
Union Cross Road	Improvements to Existing Facilities	U-4909	\$52,890	\$52,890	2010	1.076	\$56,910	\$14,797			\$38,093				\$38,093	\$4,020	\$4,020				Design; Right-of-Way in late 2008; Construction in 2010	
Old Lexington Road	Widen to Three Lanes		\$2,390	\$2,390	2010	1.076	\$2,572	\$765							\$0	\$1,807				\$1,807	Under Construction; City of Winston-Salem Bonds; Completion in 2009	
Patterson Avenue Extension	New Four Lane Road	U-4918	\$1,900	\$1,900	2010	1.076	\$2,044	\$0							\$0	\$2,044				\$2,044	Earmarked Project; Under Construction; Local Funding by PTRP	
2011-2012 Projects																						
King-Tobaccoville Road (Main Street in King)	Widen to Multi-Lanes	R-2201	\$30,487	\$30,487	2011	1.130	\$34,450	\$12,487			\$14,400			\$3,600	\$18,000	\$3,963	\$3,963				Right-of-Way in 2008; Construction in 2009; Completion in 2011	
West Clemmonsville Road	Widen to Three Lanes	U-2923	\$9,940	\$9,940	2012	1.187	\$11,799	\$315						\$7,600	\$7,600	\$3,884				\$3,884	Planning, Design; Construction in 2009-2012; City of Winston-Salem Bonds	
US 52	Widen Freeway to Six Lanes; Interstate-40 to Patterson Avenue	U-2826B	\$16,447	\$16,447	2012	1.187	\$19,523	\$0	\$16,447						\$16,447	\$3,076	\$3,076				Planning, Right-of-Way in 2009; Construction in 2010	
Carver School Road Extension	New Three-Lane Road		\$8,342	\$8,342	2011	1.130	\$9,426	\$519							\$0	\$8,907				\$8,907	Design, City of Winston-Salem Bonds; Completion in 2011	
2013-2015 Projects																						
University Parkway	Widen to Six Lanes	U-2924	\$8,000	\$8,000	2015	1.374	\$10,992	\$0							\$0	\$10,992		\$6,000		\$4,992	\$22,000 million cost estimate by NCDOT; Planning; Some Widening Through Small Urban	
Peters Creek Parkway (Brookstown Avenue Improvements)	Improve 1st/2nd Street Intersection	U-4917	\$2,148	\$2,148	2013	1.246	\$2,148	\$0			\$1,718				\$1,718	\$430				\$430	Earmarked Project; Project Not Defined; Studies Needed; City of Winston-Salem Bonds	
Salem Creek Connector	New Multi-Lane Road; Salem Avenue to US 52	U-2925A	\$12,000	\$12,000	2014	1.308	\$15,696	\$50			\$12,000				\$12,000	\$3,646		\$2,646		\$1,000	Planning; Right-of-Way in 2011; Construction in 2013; City of Winston-Salem Bonds	
N. Main Street/Piney Grove Road Connector	New Multi-Lane Road		\$7,070	\$7,070	2015	1.374	\$9,714	\$0							\$0	\$9,714				\$9,714	Planning; Town of Kernersville Bonds	
Great Wagon Road and Lewisville-Clemmons Road Ext.	New Three-Lane Road		\$4,400	\$4,400	2015	1.374	\$6,046	\$0							\$0	\$6,046				\$6,046	A Portion Through Development; Town of Lewisville Bonds	
2016-2025 Projects																						
Interstate 40	Widen to Six Lanes	I-911	\$65,873	\$65,873	2016	1.443	\$95,055	\$27,223	\$650						\$650	\$67,182	\$67,182				Planning/Design	
Thomasville Road (NC 109) *	Widen to Multi-Lanes	R-2568D-F	\$113,717	\$53,447	2020	1.753	\$93,693	\$0							\$0	\$93,693	\$83,693			\$10,000	Planning; 47% within the MPO; City of Winston-Salem Bonds	
East Mountain Street *	Widen to Multi-Lanes	U-3617	\$19,900	\$11,741	2025	2.237	\$26,265	\$0							\$0	\$26,265		\$20,000		\$6,265	Planning; 59% within the MPO; Town of Kernersville Bonds	
Macy Grove Road Extension (Macy Grove/N. Main St. Conn.)	New Four-Lane Divided Road	U-4734	\$19,000	\$19,000	2016	1.443	\$27,417	\$1,200							\$0	\$26,217		\$21,217		\$5,000	Planning; Town of Kernersville Bonds	
Northern Beltway (East)	Build Six-Lane Freeway, US 52 to US 311	U-2579	\$726,551	\$726,551	2020	1.753	\$1,273,644	\$77,551							\$222,517	\$973,576		\$973,576			Planning, EIS Review; Construction begins in 2013	
Hanes Mill Road	Widen to Multi-Lanes	U-2729	\$6,445	\$6,445	2025	2.237	\$14,417	\$145							\$0	\$14,272	\$10,000			\$4,272	Planning Completed; City of Winston-Salem Bonds	

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			Estimated Project Cost (\$000)						NHS	STP or STP-DA	IM IMPM	CMAQ and Federal Aid	State	Highway Trust Fund									Turnpike Authority					
Reidsville Road (US 158)	Widen to Multi-Lanes from Business 40 to Belews Creek Road	R-2577A	\$31,900	\$31,900	2020	1.753	\$55,921	\$525							\$0	\$55,396		\$55,396				Planning						
Macy Grove Road	Build New Interchange and Widen to Multi-Lanes	U-2800	\$40,400	\$40,400	2016	1.443	\$58,297	\$1,299		\$36,941			\$2,160		\$39,101	\$17,897	\$17,897					Planning; Right-of-Way in 2011; Construction in 2013						
Salem Creek Connector	New Multi-Lane Road; US 52 to MLK Jr. Drive	U-2925B	\$48,000	\$48,000	2016	1.443	\$69,264	\$0		\$48,000					\$48,000	\$21,264	\$16,264				\$5,000	Planning; Right-of-Way in 2011; Construction in 2013						
Broad Street (Winston-Salem)	Replace Bridge	U-4413	\$8,800	\$8,800	2016	1.443	\$12,698	\$0							\$0	\$12,698	\$10,000				\$2,698	Planning; Part of U-2827B Project						
Idols Road Extension	New Wide Two-Lane Road	U-2707	\$13,600	\$13,600	2016	1.443	\$19,625	\$2,300							\$0	\$17,325	\$17,325					Right-of-Way Completed; City of Winston-Salem Bonds						
Interstate 40 *	Widen to Six Lanes, US 311 to Guilford County	FS-0609A	\$158,756	\$158,756	2025	2.237	\$355,137	\$0							\$0	\$355,137	\$355,137					Feasibility Study Finished						
Williams Road Over US 421	Widen Bridge; Improve Roundabouts, Install new Roundabouts, New Eastbound US 421 on-ramp		\$16,663	\$16,663	2025	2.237	\$37,275	\$0							\$0	\$37,275		\$36,275			\$1,000	Lewisville Traffic Study Completed; Lewisville Bonds to Pay for Local Match						
Business I-40 at Big Mill Farm Road	Build New Interchange; Includes Widening of Hopkins Road to NC 66		\$31,000	\$31,000	2020	1.753	\$54,343	\$0							\$0	\$54,343		\$44,519			\$9,824	Feasibility Study Finished; Town of Kernersville Bonds						
Ebert-Stratford Road Connector	New Three Lane Road		\$14,000	\$14,000	2020	1.753	\$24,542	\$0							\$0	\$24,542					\$24,542	City of Winston-Salem Bonds, Through Development						
Peace Haven/Styers Ferry Road Connector	New Wide Two-Lane Road		\$12,000	\$12,000	2020	1.753	\$21,036	\$0							\$0	\$21,036		\$15,036			\$6,000	Feasibility Study Completed; Through Development; Village of Clemmons Bonds						
Forum Parkway Connector	New Wide Two-Lane Road		\$5,661	\$5,661	2016	1.443	\$8,169	\$0							\$0	\$8,169		\$4,169			\$4,000	Feasibility Study Completed; Town of Rural Hall Bonds						
Clemmons Road (US 158)	Widen to Three Lanes		\$4,913	\$4,913	2020	1.753	\$8,612	\$0							\$0	\$8,612		\$8,612				Planning;						
Martin Luther King, Jr. Drive Extension	New Four Lane Divided Road		\$12,500	\$12,500	2016	1.443	\$18,038	\$0							\$0	\$18,038					\$18,038	Feasibility Study Underway; City of Winston-Salem Bonds						
Glenn Hi Road Extension	New Four Lane Divided Road		\$22,000	\$22,000	2025	2.237	\$49,214	\$0							\$0	\$49,214					\$49,214	Planning; Through Development; Town of Kernersville Bonds						
Piney Grove Road	Widen to Three Lanes		\$3,565	\$3,565	2020	1.753	\$6,249	\$0							\$0	\$6,249					\$6,249	Planning; Town of Kernersville Bonds						
2026-2035 Projects																												
Reidsville Road (US 158) *	Widen to Multi-Lanes from NC 66 to Guilford County	R-2577B	\$42,900	\$34,320	2030	2.856	\$98,018	\$0							\$0	\$98,018				\$98,018		Planning; 80% within the MPO						
US 52	Widen to Six-Lane Interstate	U-2826	\$460,000	\$460,000	2035	3.644	\$1,676,240	\$0							\$0	\$1,676,240		\$1,676,240				Planning, New Cost Estimate Replaces STIP Figure						
Stokes County Connector *	New Two Lane Road	R-3823	\$65,100	\$27,993	2035	3.644	\$102,006	\$0							\$0	\$102,006				\$97,006	\$5,000	Planning; 43% within the MPO						
I-73 I-74 Connector (Regional Airport Connector) *	New Four-Lane Freeway	I-4924	\$239,030	\$119,515	2030	2.856	\$341,335	\$0							\$0	\$341,335				\$341,335		Possible Toll Road; 50% within the MPO						
Northern Beltway (West)	Build Four-Lane Freeway, Interstate 40 to US 52	R-2247B-F	\$447,225	\$447,225	2030	2.856	\$1,277,275	\$57,325							\$0	\$1,219,950				\$1,219,950		Planning, EIS Completed						
Northern Beltway (West)	Build Four-Lane Freeway, US 158 to Interstate 40	R-2247A	\$20,300	\$20,300	2030	2.856	\$57,977	\$900							\$0	\$57,077		\$57,077				Planning, EIS Completed						
NC 801 (Davie County)	Widen to Multi-Lanes	R-3610	\$18,510	\$18,510	2035	3.644	\$67,450	\$0							\$0	\$67,450				\$67,450		Planning						
Bethania-Rural Hall Road (NC 65)	Widen to Multi-Lanes	U-2730B	\$16,550	\$16,550	2035	3.644	\$60,308	\$300							\$0	\$60,008		\$60,008				Planning						
US 311 Connector	New Four-Lane Divided Road		\$40,400	\$40,400	2035	3.644	\$147,218	\$0							\$0	\$147,218		\$50,000	\$50,000	\$47,218		Feasibility Study Completed; City of Winston-Salem Bonds						
Business 40 (US 421)	Widen to Six-Lane Freeway		\$97,838	\$97,838	2026	2.349	\$229,821	\$0							\$0	\$229,821		\$229,821				Planning						
Peace Haven/Styers Ferry Road Connector	New Wide Two-Lane Road		\$7,338	\$7,338	2035	3.644	\$26,740	\$0							\$0	\$26,740				\$20,000	\$6,740	Feasibility Study Completed; Through Development Except Bridge						
Grand Totals (in \$000)			\$3,081,251	\$2,847,620			\$6,691,692	\$274,022	\$17,097	\$149,434	\$13,986	\$3,421	\$13,360	\$222,517	\$0	\$419,815	\$5,997,855	\$588,557	\$1,188,820	\$2,073,146	\$1,893,759	\$253,574						
STIP Annual Average (in \$000)															\$2,442	\$21,348	\$1,998	\$489	\$1,909	\$31,788	\$0	\$59,974						\$5,997,856
Federal Programs Total (in \$000)																						\$183,938						
Annual Federal Average (in \$000)																						\$26,277						
State Programs Total (in \$000)																						\$235,877						
Annual State Average (in \$000)																						\$33,697						
Notes: * = Project Extends Beyond MPO Boundary = Staff cost estimate = Consultant cost estimate																												