

City of Greensboro Anticipated Sidewalk and Greenway Construction Schedules as of October 2014

Proposed FY	Project	Project Number	Description	Length	District	Funding Source	City Contract
2014	Lee Street	P05554	expedited section: Florida St to Astor Dr	140	1	City	2014-280
2014	Mackay Road	P05568	Adams Farm Pkwy east to existing sidewalk	1000	5	City	2014-280
2014	Old Battleground Road	P05490	North side from Michaux Road east to existing	970	3	City	2014-280
2014	Old Lake Jeanette Road	P05489	North side from Eastern Shore Dr to east to Shoreham Ct	1,265	3	City	2014-280
2014	Florida Street, East & Randolph Ave.	P03975	Florida St., East & Randolph Ave. - intersection improvements	1,050	1	CMAQ	2009-087
2014	Friendly Avenue, West	P04869	Elam Ave to Overlook St (north side)	3,025	3	CMAQ	2011-670
2014	JJ Drive	P04884	North side of JJ Drive from ramp to existing sidewalk and at ramp from Randleman Road to JJ Drive	1,175	1	CMAQ	2009-056
2014	McConnell Road	P04839	Willow to English - south side; east of Willow to existing west of English - north side	1,765	1	CMAQ	2009-097
2014	Vandalia Road	P04871D	Holden to Osborne - south side	210	5	CMAQ	2010-025
2014	Wendover Ave. West	P04383	Edwardia Drive to Oak Branch Road - Both Sides	7,600	5	CMAQ	2010-025
2014	16th Street	P05567	North side Bus Stop at Summit Ave	75	2	GTA Bond	2014-280
2014	Blufork Park Walking Trail	P04566, P04566A	From existing Trail to Bothwell St	1,140	1	P&R Bond	2013-670
2014	East Wendover Avenue	P04382	Tucker St to Penry Rd both sides	21,800	2	STP-DA	2008-054
2014	East Wendover Avenue	P03927	Arnold Street to Rollins St south side	3,285	2	STP-DA	2008-054
2014	Fleming Road / Isaacson Boulevard	P04516, P04516A	Roadway relocation and intersection construction	1,452	5	STP-DA	2010-088

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2014	Walker Avenue	P04354	W. Market to Holden Rd	2,100	4	STP-DA	2012-107
2014	West Market Street	P04379A, P04478	Pomona Dr to Walker Ave	3,500	4	STP-DA	2012-107
2014	Wendover Avenue / Clifton Road		Sidewalks with intersection improvements	1,400	4		2009-088
2015	Cone Blvd / Nealtown Extension Sidewalk	P04164, P04164A	End of Cone Blvd to approx 3,200' east end of Nealtown Rd. and from Cone Boulevard to approximately 2,000' south	14,500	2	Bond	2010-035
2015	Downtown Greenway Ph 1-B2	P05145A	Along Bragg St from Ewlm St to MLK Dr	1,450	1 & 2	Bond	2011-440
2015	High Point Road Streetscape	P05068	Pinecroft Rd to Coliseum Blvd.	9,100	1 & 4	Bond	2013-1290
2015	Battleground - Benjamin - Cone	P04554	Intersection Improvements on Battleground Avenue at West Cone and Benjamin Pkwy	4,000	3	STP	2014-230
2015	Battleground - Westridge	P04553	Battleground Ave & Westridge Rd intersection improvements (project U-5306B)	4,000	3	STP	2010-034
2015	Battleground Ave - New Garden Rd	P04555	Intersection Improvements at Battleground and New Garden Rd. (U-5306C)	3,200	4	STP	2010-033
2015	Latham Park Greenway	P05433	Battleground Ave to Mendenhall St	620	3	STP	2013-590
2015	Downtown Greenway Ph 2E, 3A & 3C	P04841A, P05027, P05146	Fisher Ave from Greene St to Eugene St; Eugene St from Fisher Ave to Smith St; Smith St from Spring St to Prescott St	3,935	3	STP-DA	2011-003
2015	East Florida Street Sidewalk Gap	P05586	South side from Oxford Road to Benbow Road	1,200	1	STP-DA	2014-0520
2015	East Wendover Sidewalk Gap	P05585	North side from English Street to Waugh; south side from Rollins Street	1,200	2	STP-DA	2014-0520

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2015	Florida Street	P04377A	Both sides between Ashe Street and Willow Street.	10,600	1	STP-DA	2013-800
2015	Holts Chapel Rd	P04954	From Franklin Blvd to Market St along both sides	4,815	1	STP-DA	2014-230
2015	Lovett Street	P04840	West side: Florida Street to Freeman Mill Road. East side: Florida Street to existing sidewalk north of Freeman Mill Road	5,650	1	STP-DA	
2015	Lowdermilk Street	P04953	Sidewalk & curb & gutter from Holts Chapel Road to Cameron Avenue	3,200	1	STP-DA	
2015	O'Connor Street	P04377B	SE walking Trail to Florida St	250	1	STP-DA	2010-026
2015	Plymouth Street	P05474	West side from Harrington St to Lucerne St	460	1	STP-DA	2014-400
2015	Randleman Rd.	P04576	Creekridge Rd to Glendale Rd - East Side Only	6,220	1	STP-DA	2013-800
2015	Phillips Avenue	P04837	Where none exists between Summit Ave and Huffine Mill Rd	5,500	2	TAP	2014-230
2016	Downtown Greenway Ph 1-B1	P05145	Along Bragg St from Eugene St to Elm St	650	1 & 2	Bond	2014-430
2016	Horse Pen Creek Road	P04945	Wideing from New Garden Rd to Battleground Ave	17,980	3	Bond	2010-010
2016	College Road/New Garden Road	P04873	East side from existing south of Friendly Ave to Guida Dr.; New Garden Rd., west side from Ballinger Rd. to Friendly Ave.	4,950	4	CMAQ	2013-360
2016	English Street	P04838	East side: Phillips Ave to Wendover Ave where none exists	3,050	2	CMAQ	2010-1260
2016	English Street Sidewalk	P04838B	East Market St to E. Lee St both sides where none exists	3,840	1	CMAQ	2013-360
2016	English Street Sidewalk	P04838C	E. Lee St to E. Florida St, both sides where none exists	2,600	1	CMAQ	2013-360
2016	English Street Sidewalk	P04838A	Wendover Ave to East Market St, both sides where none exists	3,840	1	CMAQ	2013-360

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2016	Friendly Avenue, West	P04876	West Market Street to approximately 1350' east of Chimney Rock Road - south side only	4,800	5	CMAQ	
2016	Friendly Avenue, West	P04876A	Existing sidewalk 240' west of Carriage Ln to existing sidewalk 250' west of King George Dr -	3,275	5	CMAQ	2013-360
2016	Friendly Avenue, West	P04876B	Existing sidewalk 430' east of Forsythia Dr to existing sidewalk approx. 500' west of Lindley Rd - south side only	3,275	5	CMAQ	2013-360
2016	Friendly Avenue, West	P04876C	Lindley Road to Francis King Street - south side only	1,700	5	CMAQ	2013-360
2016	Lees Chapel Road	P05070	Yanceyville St to Brightwood School Rd	8,000	2	CMAQ	2013-360
2016	Lees Chapel Road	P04867	Church St to Yanceyville St both sides where none exist	3,610	2	CMAQ	2010-026
2016	Pisgah Church Road	P04868A	Church St to Willoughby Blvd	7,920	2	CMAQ	2013-360
2016	Pisgah Church Road	P04868B	Willoughby Blvd to Lawndale Dr	5,280	2	CMAQ	2013-360
2016	Pisgah Church Road	P04868C	Lawndale Dr to Battleground Ave	2,640	2	CMAQ	2013-360
2016	Northeast / Keeley Park Connector	P05304	From trail to Keeley Park along Rankin Mill Rd	1,750	2	P&R Bond	2009-097
2016	Vance Arlington Trail	P04923	Vance St to Arlington St	6,000	1	P&R Bond	2010-1130
2016	Market St/College Rd/Guilford College Rd	P04416	Intersection Improvements Including Guilford College Rd - Wendy Ct to Guida Dr.	3,500	5	STP	2009-004
2016	Big Tree Way	P05177	Both sides from Wendover Ave to Shelby Dr where none exists and west side from Shelby Dr to NCDOT's Bridford Pkwy project limits on Big Tree Way.	4,100	4	STP-DA	2010-1130
2016	Bridford Parkway / Hornaday Road	P05055	Wendover Ave to west of Nicholas Road	4,562	5	STP-DA	2010-026

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2016	Four Seasons Boulevard	P05176	East side from Vanstory Street to Creekridge Road.	2,600	5	STP-DA	2010-1130
2016	Hewitt Street	P05056	Norwalk St to Merritt Dr	7,680	4	STP-DA	2010-1130
2016	Rudd Station Road	P04768	East side between Scott Rd and Townsend Rd, and north side of Scott Road between Rudd Station Rd and Summit Ave	3,400	2	STP-DA	2014-0400
2016	Shelby Drive	P05177A	Big Tree Way to Edith Ln.	230	4	STP-DA	2014-230
2016	Summit Avenue	P04767	West side between Scott Rd and Creekbrooke Ct	2,675	2	STP-DA	2014-070
2016	West Wendover Sidewalk Gap	P05584	South side from 850 feet east of Edwardia Drive to Norwalk Street	2,000	4	STP-DA	2014-0400
2016	Yanceyville Street	P05084	Bessemer Ave to Water St	7,100	2	STP-DA	2014-220
2016	Yanceyville Street	P05085	Water St to Cone Blvd	5,400	2	STP-DA	2013-360
2016	Yanceyville Street	P05086	Cone Blvd to Lees Chapel Rd	19,580	2	STP-DA	2013-800
2017	Church Street Ph 1	P04552	Wendover Ave to Tankersley Dr (portion of Roadway Project)	7,000	3	Bond	
2017	Church Street Ph 2	P04552A	State St to Cone Blvd (portion of Roadway Project)	10,400	3	Bond	2009-076
2017	Mackay Road	P04556	Atwater Dr to Williamsborough Ln	6,000	5	Bond	2009-086
2017	Cone Boulevard	P04872	O'Henry Blvd to St. Regis Rd	12,725	2	CMAQ	2013-800
2017	Byers Road	P04910	West side of Byers Road from Lees Chapel Road to existing, and west side from existing on Byers Road to existing on east side of Byers Ridge Drive	1,200	2	STP-DA	2013-800
2017	Downtown Greenway Ph 2	P04841	Along Murrow Blvd and Fisher Ave from Lee St to Greene St	7,400	2	STP-DA	2013-800
2017	Green Valley Road	P05180A	North side from Lendew St to Battleground Ave and south side from Westover Terr to Battleground Ave	2,165	3	STP-DA	2013-800

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2017	Green Valley Road	P05180B	East side from Friendly Ave to Northline Ave and west side from Northline Ave to Benjamin Pkwy	2,530	3	STP-DA	2013-800
2017	Green Valley Road	P05180	West side Madison Ave to Friendly Ave.	1,700	4	STP-DA	2014-230
2017	Rankin Road / Martin Avenue	P05383	South side of Rankin Road from Summit Ave to Martin Ave and the east side of Martin Ave from Rankin Rd to Springmont Dr	1,600	2	STP-DA	2014-230
2017	Summit Avennue	P05074	West side 16th St to existing and east side from Rankin Rd to Avery driveway	6,900	2	STP-DA	2010-1130
2018	Alamance Church Road	P05187	MLK to City Limits	8,500	1	Bond	2013-800
2018	16th Street	P05071	South side Yanceyville St to Cone Blvd; and north side Yanceyville St to Summit Ave.	11,985	2	CMAQ	2009-003
2018	Church Street	P04866	Lees Chapel Road to Electra Drive (east side only) Replace wheelchair ramps on west side where not ADA compliant	7,000	2	CMAQ	2014-0410
2018	Holden Road	P04875A	Madison Ave to Friendly - both sides	6,400	4	CMAQ	2013-800
2018	Holden Road	P04871A	Spring Garden St to 860' south of Meadowview Rd, west side	5,720	4	CMAQ	
2018	Holden Road	P04871	Walker Ave to Spring Garden St - both sides	5,720	4	CMAQ	
2018	Holden Road	P04871B	Construct sidewalk from 1260' north of High Point Road to High Point Road, west side only	1,260	5	CMAQ	
2018	Holden Road	P04871C	Construct sidewalk from 530' south of Darden Road to Vandalia Road, west side only	1,060	5	CMAQ	2014-240
2018	Holden Road	P04875	Walker Ave to Madison Ave - both sides	3,900	4	CMAQ	
2018	Spring Garden Street	P04877	From W. Market St to Pomona Dr - south side only	1,475	4	CMAQ	

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2018	Spring Garden Street	P04877A	Merritt Dr to Holden Rd - north side only	3,300	4	CMAQ	
2018	Spring Garden Street	P04877B	Merritt Dr to Holden Rd - south side only	3,300	4	CMAQ	
2018	Swing Road	P05054	W. Market St to Burnt Poplar Road	3,907	5	CMAQ	
2018	Cobb Street	P05495	North side where none exists	410	4	STP-DA	
2018	Cornwallis Drive	P05057	Lendew St to Surrey Dr	2,084	3	STP-DA	
2018	East Lee Street	P05218	Willow Rd to Florida St sidewalk, C&G	4,800	1	STP-DA	
2018	Elm Street, North	P05059	West side from Cone Blvd to existing SW south of Irving Park Court and east side from Cone Blvd south to existing SW north of Cornwallis	6,000	3	STP-DA	2011-430
2018	Lindsay Street	P05051	West side from Bessemer Ave to Murrow Blvd	4,250	2	STP-DA	2014-220
2018	Merritt Drive	P05175	West side from Hewitt St to I-40	3,700	4	STP-DA	2014-240
2018	Merritt Drive	P05510	Both sides from High Point Rd to Frazier Rd	1,531	5	STP-DA	
2019	Vandalia Road	P05605	Elm-Eugene St to Pleasant Garden Rd, C&G widening & sidewalks	5,200	1	Bond	
2019	Cotswold Avenue	P05511	North side from Battleground Ave to Cotswold Terr	2,500	3	CMAQ	2013-360
2019	Four Season Boulevard	P05053	Creekridge Rd to Vandalia Rd	2,274	1	CMAQ	2014-240
2019	Frazier Road	P05508	South side from Groometown Rd to Merritt Dr	1,400	5	CMAQ	
2019	Glendale Drive	P05072	Between Holden Rd and Randleman Rd	17,200	1	CMAQ	2014-240
2019	Lawndale Drive	P05058	Pisgah Church Rd to Beaconwood Rd	7,095	3	CMAQ	2013-360
2019	Meadowview Road	P05509	Both sides from Randleman Rd to Elm-Eugene St	2,534	1	CMAQ	2013-360

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2019	Old Battleground Road	P05475	West side from Westridge Rd to British Lakes Dr	2,000	3	CMAQ	
2019	Vandalia Road	P05050	Holden Rd to Randleman Rd	15,086	1	CMAQ	2013-360
2019	Vanstory Street	P05052	Ontario St to Holden Rd	4,026	5	CMAQ	2014-220
2019	Westridge Road	P05507	Southern side from Trentwood Dr to Whitehurst Rd	861	4	CMAQ	
2019	Farmington Drive	P05173	Both sides from High Point Rd to Wintergarden Ln and north side from Wintergarden Ln to Holden Rd	6,000	5	STP-DA	
2019	Hilltop Road	P05073	South side - existing sidewalk west of Roediger Court to approx. 985 feet west of High Point Road. North side - existing sidewalk west of railroad to Fairfax Road	6,750	5	STP-DA	2014-230
2019	Hobbs Road Petition Sidewalk East	P05593	East side of Hobbs Road from Starmount Farms Drive to N. Holden Road	3,200	3 & 4	STP-DA	
2019	Holden Road	P04875B		3,600	3	STP-DA	2014-230
2019	Lindley Road	P05435	Friendly Ave to College Road	6,175	5	STP-DA	2013-620
2019	Mayflower Drive	P05496	Esat side from Cobb St to existing	200	4	STP-DA	
2019	Muir's Chapel Road	P05174	East side Tower Rd to Friendly Ave	4400	4	STP-DA	2012-060
2019	Westover Terrace	P05569	Sidewalk & intersection improvements - east from existing sidewalk north of Seminole to Benjamin Pkwy	1,293	3	STP-DA	
2020	Battleground Avenue	P04874	South of Westridge Rd to south of Martinsville Rd	14,150	3	CMAQ	
2020	Battleground Avenue	P05069	Between Westridge Rd and Cotswold Ave	9,600	3	STP-DA	
2020	Boulevard Street	P05493	West Ave to Boulevard Way	500	5	STP-DA	
2020	Boulevard Way	P05491	High Point Rd to Boulevard St	290	5	STP-DA	
2020	Cedar Fork Drive	P05492	Holden Rd to Boulevard Way	175	5	STP-DA	

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2020	Hobbs Road	P05593	East side Starmount Farms Dr to Holden Rd	3,200	4	STP-DA	

December 15, 2011

TO: Denise Turner Roth, Interim City Manager
FROM: Adam Fischer, Director of Transportation
SUBJECT: Sidewalk Construction Program

The City of Greensboro has an aggressive sidewalk implementation program which was first established with the 2000 Transportation Bond and the Greensboro Walkability Policy which was passed by City Council in 2002. Following the adoption of the BiPed Plan in 2006 and the passage of the 2008 Transportation Bond, several new sidewalks along critical corridors have will be implemented in the coming years. Over the next 10 years, it is projected that 123 miles of sidewalk will be constructed in Greensboro. This represents a 25% increase in Greensboro's sidewalk inventory and will fill major gaps in the City's sidewalk network. This memo describes the sidewalk program, how sidewalk projects are selected, and general timeframes for sidewalk project construction.

City sidewalk projects are generated from three processes, as described below. Please see the attachment *Current and Upcoming Sidewalk Construction* for a summary of planned miles of construction by project type and timeframe.

- First, since the 2000 Transportation Bond, all City roadway enhancement and widening projects have included sidewalk construction on both sides of the roadway. NCDOT roadway projects include sidewalk as well. Over the next 10 years, sidewalks included with roadway improvements are expected to add 33 miles of city sidewalk. City roadway construction is very important to filling in gaps in the sidewalk network.
- Secondly, the City offers a Sidewalk Petition Program for neighborhood streets. Under this program, if 51% of affected property owners approve, the City will add feasible neighborhood sidewalk projects to the construction program. 3 miles of sidewalk petition projects are currently identified for implementation over the next 5 years.
- Thirdly, the City has a targeted program of independent sidewalk projects. These projects add sidewalks in high need locations along existing sections of roadway. The focus in this program is improving pedestrian safety, enhancing connections to transit, and connecting people to needed destinations such as shopping, school, work, and higher density housing. 87miles of independent sidewalk construction projects are currently identified for implementation over the next 10 years.

The BiPed Plan provides an important basis for selecting independent sidewalk projects, through its analysis of long term sidewalk construction needs across the City. This is a flexible guide for the community that can be responsive to changing conditions and community priorities. Projects are prioritized in light of a range of factors, including: safety (roadway type, traffic volumes and speeds); demand (presence of a worn path in the roadway shoulder or other observation of significant pedestrian activity); proximity to destinations such as public transportation, shopping, residential and particularly higher density residential uses, schools, and parks); connectivity (filling key gaps in the sidewalk system by filling in short gaps between existing sidewalk sections and extending sidewalk to important destinations); and consideration of constraints that would render sidewalk either impossible or cost-ineffective. The BiPed sidewalk recommendations divide 362 miles of future independent sidewalk

construction priorities into four priority tiers, from high to low. The attachment titled *Sidewalk Project Prioritization* describes the tiers in more detail.

Critical sidewalk projects are identified by the Transportation Department through the Bi-Ped Plan and public involvement. Once a sidewalk project is identified and funded, GDOT turns the project over to the Engineering and Inspections Department for final design, purchase Right of Way, and construction within established timelines. Sidewalk construction is currently made possible by transportation bond funds, which have leveraged a substantial amount of additional federal-aid funding. The MPO Transportation Advisory Committee and the NCDOT have worked closely to identify federal-aid funding for sidewalk needs which include \$13.6 million scheduled between 2010 and 2014. For independent sidewalk project contracts scheduled between 2010 and 2014 \$13.6 million in federal funds are programmed, leveraged by \$3.3 million in transportation bond funds. Between 2015 and 2018, another \$8.8 million is tentatively programmed, with a \$2.39 million transportation bond match expected.

Funding amounts directed to 2012-2018 federal-aid projects are based on NCDOT projections. Actual funding availability will depend on future federal authorizations, equity formula constraints, and the availability of funds at the NCDOT.

AF(tm)

Attachments: MPO Area Major Project Summary & Transportation Project Update Newsletter

Cc Michael Speedling, Deputy City Manager
Butch Simmons, Engineering & Inspections Director
Tyler Meyer, AICP, GDOT Transportation Planning Division Manager, MPO TCC Chair
Peggy Holland, GDOT/MPO Bicycle and Pedestrian Coordinator

BiPed Plan Sidewalk Prioritization Tiers

Tier 1

Tier 1 sidewalks are recommended in locations that will complete the sidewalk network on both sides of thoroughfare roadways. Thoroughfares typically have higher traffic volumes, higher speed limits, and are often wider than other streets. These roadways provide a high degree of connectivity across the community. They are also often lined with commercial, residential, or other land uses that attract pedestrian travel. The Tier 1 recommendations also include sidewalks on primary transit routes (thoroughfares as well as collector and local roadways along transit routes). Generally, projects that address a range of priorities (for example, thoroughfares that serve as transit routes and connect commercial services with higher density residential development) have the highest priority for implementation. (Tier 1 mileage = 90 miles)

Tier 2

Tier 2 sidewalk recommendations are intended to complete the sidewalk network on both sides of higher-level collector roadways (e.g., collector roadways with the greater amounts of existing or potential pedestrian, bicycle, and automobile activity). These streets often have relatively high speeds and provide connectivity between the local street network and thoroughfares. The Tier 2 recommendations include sidewalks on both sides of the remaining transit routes on local and collector streets. Some of the thoroughfare roadways on the urban fringe of the City may also have sidewalks recommended as Tier 2. Another area of emphasis is where schools are located. (Tier 2 mileage = 47 miles)

Tier 3

Tier 3 sidewalks are recommended to complete the network of sidewalks on both sides of the rest of the collector street system. Tier 3 also includes recommendations for sidewalks on selected local streets that provide significant connections or are otherwise known to experience a relatively high level of pedestrian demand. (Tier 3 mileage = 118 miles)

Tier 4

Tier 4 sidewalks are recommended on similar types of roadways as Tier 3. However, they will generally be implemented after the Tier 3 projects. (Tier 4 mileage = 23 miles)

Roadway Projects

The roadway projects category includes a range of locations where sidewalk construction will be implemented in conjunction with extensive roadway improvements. These include planned future roadway improvement projects where sidewalk installation will be coordinated with future roadway improvements (such as Horse Pen Creek Road and Alamance Church Road). The roadway projects category can also include lower-level streets without curb and gutter and bad topographic or other corridor conditions for back-of-ditch sidewalks but have a high level of pedestrian demand (such as Lindley Road and Lowdermilk Street).

Petitions

Sidewalks, primarily local streets in neighborhoods, are submitted for construction after a successful petition of affected property owners. These projects are placed into the queue for construction along with the priority projects.