TRANSPORTATION PROJECT UPDATE

GREENSBORO URBAN AREA

This newsletter provides the latest scheduling and status information for major transportation projects in the Greensboro Urban Area - an area covering the City of Greensboro and much of Guilford County with the exception of Burlington/Gibsonville/Whitsett area in the east and the High Point/Jamestown area in the southwest. Major NCDOT and City of Greensboro projects are included.

Greensboro Urban Loop

NCDOT

The remaining sections of the Urban Loop are currently fully funded through recent actions by the Governor's Office and NCDOT.



Northern/Eastern Urban Loop (U-2525)

The Eastern Urban Loop will extend from I-85/I-40 to Lawndale Drive.

- US 70 to I-40/I-85 near McConnell Road. Completed May 2002. Designated as Future I-840 and Future I-785.
- US 70 to US 29. Right-of-way acquisition underway. Construction in 2014-2017.
- US 29 to Lawndale Drive. Right-of-way acquisition to start in 2016. Construction to start in 2019.

Southern Urban Loop (I-2402)

The Southern Urban Loop / I-85 opened to traffic in February 2004.



Western Urban Loop (U-2524)

The Western Urban Loop will extend from I-85 to Lawndale Drive.

- I-40 to Bryan Boulevard. Opened to traffic December 2007. Designated as I-73 and Future I-840.
- I-85 to I-40. Opened to traffic February 2008. Designated as I-73.
- Bryan Boulevard to Battleground Avenue. Right-of-way acquisition underway. Construction 2013-2016.
- Battleground Avenue to Lawndale Drive. Right-of-way acquisition underway. Construction to start in 2017.



NCDOT project construction schedules reflect the **Draft 2014-2020 State Transportation Improvement Program** (**STIP**) released in September 2012 and the **Metropolitan Transportation Improvement Program** (**MTIP**). For more information on the STIP & MTIP go to www.ncdot.org and <a hre

For more information on active NCDOT projects call NCDOT Division 7 at (336) 334-3192. For active City of Greensboro projects call the Greensboro Engineering & Inspections Department at (336) 373-2303. For plans, proposals, and future transportation needs contact the Greensboro Department of Transportation at (336) 373-4368.

To view the major projects and to determine their proximity to an address in the MPO area go to www.greensboro-nc.gov/roadprojectmapping.

NC 68 / US 220 Connector

NCDOT

The first section of the NC 68 / US 220 Connector (R-2413C) will run along existing US 220 from just south of the Haw River to the NC 68 intersection in Rockingham County. *Under Construction and coordinated with R-2309AB*. The second section (R-2413A/B) will follow a new alignment from US 220 just south of the Haw River, cross NC 150, Brookbank Road, Bunch Road, and Alcorn Road and connect to NC 68 north of Pleasant Ridge Road. *Right-of-way acquisition 2012-13 and construction 2014-17*. Most of the Connector will be built to Interstate Standards, with the section along existing US 220 to be upgraded to Interstate Standards later.

I-73 Connector

NCDOT

I - 73Connector (I-5110) will connect R-2413AB at NC 68 with I-73 east of I-5110 airport. will complete a major of I - 73portion Guilford County Rockingham from County to US 220 / Future I-73 just south Greensboro.



Right-of-way acquisition 2014-15; construction 2016-18.

US 220 Widening

NCDOT

US 220 (**R-2309AB**) will be widened to four lanes with a median from Horse Pen Creek Road to Winfree Road in Summerfield. *Under Construction*.

Battleground Avenue Intersections

GSO NCDOT

Battleground Avenue Intersections (U-5306) project involves improvements at the Cone-Benjamin, Westridge, New Garden and Brassfield intersections. The project is under design by the City of Greensboro with funding provided by NCDOT for right-of-way (ROW) and construction (CST).

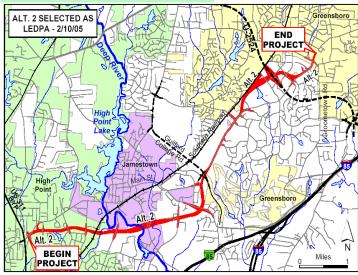
Battleground-Benjamin-Cone: ROW underway, CST 2013-14

Battleground-Westridge: ROW 2014, CST 2015 Battleground-New Garden: ROW 2013, CST 2015

Battleground-Brassfield: CST 2013

High Point Road

NCDOT



High Point Road (U-2412) will be widened and partially relocated from Hilltop Road to US 311 in High Point. Sections will be relocated around the old Jefferson Pilot Headquarters and south of the center of Jamestown. The interchange with the Urban Loop will be the area's first Diverging Diamond.

- **Section A** US 311 Bypass to Vickery Chapel Road. *Construction unfunded*.
- **Section B** Vickery Chapel to Groometown/Hilltop. *Under construction*.
- **U-2524AE** (Urban Loop Interchange) under construction with U-2412 Section B.

West Market Street

NCDOT

West Market Street (**R-2611**) is being widened to four lanes with a median and sidewalks from NC 68 to west of Bunker Hill Road. *Construction underway, completion expected in 2013*. (**U-3617**) from Bunker Hill Road west to NC 66 in Kernersville is unfunded.

Greensboro Signal System Replacement

GSO NCDOT

Replacement of the Greensboro Signal System (U-4711) is underway with *completion expected in 2013*. The project will replace the current central computer, operating software, intersection controllers, wiring network and other field equipment. The system will be more dependable and adaptive to traffic changes. It will also expand the current network of traffic cameras and enable future growth of the system to cover more intersections as Greensboro continues to grow.

City Projects Funded by 2009 ARRA Federal Stimulus Funds



<u>Lake Jeanette Road</u> Lawndale Avenue to N. Elm Street



Elm-Eugene Street

JJ Drive to Vandalia

Road

Year 2000 Transportation Bond Projects

On November 7, 2000 Greensboro voters approved \$73.75 million in bonds for Transportation Improvement Projects. These important investments in the city's transportation infrastructure improve traffic flow and safety, and includes sidewalks and aesthetic enhancements.

Horse Pen Creek Road - Fleming Road Connector

The Horse Pen Creek Road – Fleming Road Connector will provide a much needed east-west route for localized traffic and may one day provide a connection to a future interchange with the Urban Loop. *Construction partially complete; remainder of construction expected to begin in 2013.*

Creek Ridge Road - Randleman Road to US 220

Creek Ridge Road is a two-lane minor east-west thoroughfare connecting Elm/Eugene Street, Randleman Road, and US 220. A three-lane 36 foot wide cross-section will provide a safer, less congested facility. *Construction complete*.

Merritt Drive - I-40 Bridge to High Point Road

The two lane section of Merritt Drive carries 19,000 vehicles per day. The widening to five lanes and the addition of sidewalks

Completed Year 2000 Bond Projects



Elm -**Eugene** Street



Friendly Avenue



NC 68



East Market Street



Franklin Boulevard



Wendover Avenue

Pedestrian Improvements

GSO

Greensboro continues to gain new sidewalks through City priority, citizen petition, roadway projects, NCDOT and MPO funding support, and through private development.



Current & Upcoming Sidewalk & Trail Projects

Funding made available by the MPO, NCDOT and the City.

City of Greensboro contract (2008-002): 5.5 miles of sidewalk and trail work completed Fall 2012.

- West Cone Boulevard: Patriot Way to Lawndale Dr.
- Elm-Eugene Street: E. Terrell St. to E. Meadowview Rd
- **High Point Road:** Lakehaven Pl. east of Marchester Way
- South Holden Road: Farmington Dr. to Vanstory St.
- Randleman Road: Long St. to Rocky Knoll Rd.
- Spring Garden Street: Holden Rd. to Lindell Rd.
- Vandalia Road: Elm-Eugene St. to Lakefield Dr.
- Southeast Walking Trail Ph 2: Freeman Mill Rd. to South St.

City of Greensboro contract (2009-011): 2.8 miles of sidewalk work completed late 2012.

• W. Market Street: Starmount Dr to Ridgeway Dr., Village Ln. to N. Walnut Cir. and Meadowood Dr. to S. Walnut Cir.

City of Greensboro contract (2008-004): 2.2 miles of sidewalk work complete late 2012.

- **Elam Avenue:** Cornwallis Dr to Pembroke Rd.
- Friendly Avenue: Holden Rd to Hobbs Rd.
- Lawndale Drive: Pisgah Church Rd to Cone Blvd.
- **Pembroke Drive:** Elam Ave to Starmount Farms Dr and Benjamin Pkwy to Fairway Dr.

City of Greensboro contract (2008-003): 7.1 miles of sidewalk work *expected completion early 2013*.

- **Bessemer Avenue:** Headquarters Dr to Franklin Blvd.
- Cornwallis Drive: Lawndale Dr to Church St.
- **Briarcliff Road:** Wendover Ave to Nottingham Rd.
- West Market Street: Village Ln to Walnut Circle.

City of Greensboro contract (2008-054): 4.7 miles of sidewalk work *expected completion mid 2013*.

- East Wendover Avenue: Tucker St. to Penry Rd.
- East Wendover Avenue: Arnold St. to Rollins St.

City of Greensboro contract (2010-021): 1.3 miles of sidewalk work expected in 2013.

- Concord Street: Randleman Rd. to Soabar St.
- Edith Lane: Shelby Dr. to Meadowood St.
- **Guilford Avenue:** from Adams St. east & west for 275'.
- **Henderson Road:** Friendly Ave to Farrar Dr.
- **Stagecoach Trail:** Friendly Ave. to Guildford Elem. School entrance.
- Warren Street: Spring Garden St. north for 475'.

City of Greensboro contract (2010-023): .5 mile of sidewalk work expected in 2013.

• West Market Street: Walnut Circle to Pomona Drive.

City of Greensboro contract (2012-1070): 1 mile of sidewalk *expected in 2013*.

- West Market Street: Pomona Dr. to Walker Ave.
- West Market at United Street & West Market at Walker Avenue—intersection improvements.
- Walker Avenue: West Market St to Holden Rd.

City of Greensboro contract (2008-049): 2.3 miles of sidewalk work *expected completion late 2013*.

- **Ardmore Drive:** Florida St to existing sidewalk.
- Cone Boulevard: A&Y Greenway to Lawndale Dr.
- Florida Street: Willow St to Lee St.
- **Pinedale Drive:** Battleground Ave to Benjamin Pkwy.
- Southeast Walking Trail: South St to Elm-Eugene St.

City of Greensboro contract (2010-026): 3.2 miles of sidewalk work *expected completion late 2013*.

- Florida Street: Ashe St. to Willow Rd.
- O'Connor Street: Southeast Walking Trail to Florida St.
- Randleman Road: Creekridge Rd. to Glendale Rd.

Pedestrian Improvements

GSO

City of Greensboro contract (2010-1130): 4.8 miles of sidewalk work *expected in 2014*.

- College Road/New Garden Road: where none exists Guida Dr to Ballinger Rd.
- Friendly Avenue: Elam Ave to Overlook St.
- Holden Road: Darden Rd to Vandalia Rd.
- **JJ Drive:** Randleman Rd to Elm-Eugene St.
- Lovett Street: Florida St to Freeman Mill Rd.
- McConnell Road: Willow Rd to English St.
- Vandalia Road: Holden Rd to Osborne Rd.
- Wendover Avenue: Edwardia Dr to Oak Branch Rd.



Transit Improvements

GTA

Touching The Sensitive Side For Riders

As Greensboro Transit Authority is in the public transportation business, our task is an important one of moving not boxes full of goods, but people full of dreams. In the area of paratransit, the cargo is much more critical as the riders present a host of physical and emotional disabilities that they overcome to reach their personal goals. In order to provide appropriate care for these most sensitive of citizens, our bus operators have begun a series of travelers with disability sensitivity classes. Each Saturday during the month of instruction on accommodating riders with varying special needs. More than just a book lesson, the interactive sessions conducted by L. Diane Bennett of LD Bennett and Associates includes back and forth engagement, video instruction and even hands-on application of efficient and effective wheelchair securement. GTA operators as well as supervisors and management have eagerly embraced this new level of expectation in customer service, and we believe that it will pay dividends not only for GTA, but possible extension to other NC transit systems as well in the accommodation of persons with disabilities on transit.

Paratransit Certification Quickens with New Module GTA's SCAT paratransit service has moved towards more efficient qualifying services with the new Trapeze Certification Module. An upgrade to the industry standard scheduling software, Trapeze now allows staff to go from an antiquated manual process to a quicker automated workflow. Staff can now enter application requests into one database for internal tracking and upon review, is transferred to active status for processing. The database captures all aspects of the in-person interview and upon approval, formulates and prints eligibility notifications or denials as appropriate. Just as

importantly, the module allows greater flexibility in reporting with statistical reports relating to applications received, eligibility approvals and denials, conditions of approvals and much more. In use since late October, this module has shown a strong potential to streamline the paratransit eligibility process, reducing wait times for applicants and getting them on their way quicker...just as transit should.

The "Greening" Of GTA Continues...

For a number of years, GTA has focused on sustainability in the operation of public transportation with such initial efforts as tire recycling, water reclamation and reducing paper use. Recently, the authority has stepped up its game with 40-foot diesel-electric hybrid buses and a new 64,000 square foot green operations /maintenance facility and administrative offices. Continuing the momentum, GTA is extending green technology to the smaller SCAT buses with the expected arrival of 9 diesel-electric hybrid paratransit vehicles. Similar in operation to the 40-foot predecessors, the new buses services are expected to reduce fuel consumption and increase

mileage along its 1.4 million revenue miles driven per year. Good for our fuel budgets, great for the environ-



ment. Look for the SCAT hybrid vehicles with their distinctive butterfly graphic to enter service in early 2013.

Transit Improvements

PART

PART (www.partnc.org) operates express buses, Regional Vanpools, Human Service Transportation for Guilford County, Coordinates the Region's Air Quality Conformity, Manages the Regional Travel Model, conducts land use and transportation planning for our partnering agencies and performs other services in the Triad. PART has been forced to reduce services and increase fees during FY2012 due to shortage of local funding. PART is exploring options to avoid further cutbacks in services, and continues to work with our local agencies to provide high levels of quality service to the citizens of the Triad.

Major projects and unfunded needs include the following:

- Development of a regional multi-modal transportation center in Greensboro.
- Re-establishment of previously cut services.
- PART has taken over the operations of Guilford County's Transportation and Mobility Services, providing transportation to residents in Guilford County who do not have access to other means of transportation.



City Projects Funded by 2009 ARRA Federal Stimulus Funds



<u>Lake Jeanette Road</u> Lawndale Avenue to N. Elm Street



Elm-Eugene Street

JJ Drive to Vandalia

Road

Year 2000 Transportation Bond Projects

On November 7, 2000 Greensboro voters approved \$73.75 million in bonds for Transportation Improvement Projects. These important investments in the city's transportation infrastructure improve traffic flow and safety, and includes sidewalks and aesthetic enhancements.

Horse Pen Creek Road - Fleming Road Connector

The Horse Pen Creek Road – Fleming Road Connector will provide a much needed east-west route for localized traffic and may one day provide a connection to a future interchange with the Urban Loop. *Construction partially complete; remainder of construction expected to begin in 2013.*

Creek Ridge Road - Randleman Road to US 220

Creek Ridge Road is a two-lane minor east-west thoroughfare connecting Elm/Eugene Street, Randleman Road, and US 220. A three-lane 36 foot wide cross-section will provide a safer, less congested facility. *Construction complete.*

Merritt Drive - I-40 Bridge to High Point Road

The two lane section of Merritt Drive carries 19,000 vehicles per day. The widening to five lanes and the addition of sidewalks

Completed Year 2000 Bond Projects



Elm -Eugene Street



Friendly Avenue



NC 68



East Market Street



Franklin Boulevard



Wendover Avenue

CITY OF GREENSBORO 2008 BOND PROJECTS

On November 4, 2008 Greensboro voters approved \$134 million in bonds for Transportation Improvement Projects.

Many projects not now shown that were listed in earlier editions of this newsletter have been funded either by State or Federal funds.

Efforts continue to secure additional State and Federal funding to advance additional projects.

Roadway Projects

Projects Funded For Design & Construction

Alamance Church Road widening from US 421 to City Limits.

N. Church Street widening from Wendover Ave. to Cone Blvd.

Clifton Road / Wendover Avenue intersection improvements — *construction in 2013*.

Cone Boulevard / Nealtown Road Extension.

Downtown Intersections bulbouts.

W. Friendly Avenue / Friendway Drive intersection improvements. *Project Complete*.

High Point Road / Lee Street streetscape from Bus I-40 to Eugene St.

Horse Pen Creek Road widening from New Garden Rd. to Battleground Ave.

Mackay Road widening from Atwater Dr. to Williamsborough Lane.

Norwalk Avenue / Wendover Avenue intersection improvements.

Summit Avenue streetscape from Murrow Blvd. to Sullivan St.

W. Market St / College Rd / Guilford College Rd intersection improvements—right-of-way acquisition in 2013.

Projects Funded For Design Only

Benjamin Parkway widening from Wendover Ave. to Bryan Blvd.

Church Street Streetscape from Summit Ave. to Washington St.

N. Elm Street improvements from Wendover Ave. to Cone Blvd.

Elm Street / Pisgah Church Road intersection improvements.

Florida Street / Randolph Avenue intersection improvements.

Lawndale Drive / Pisgah Church Road intersection improvements.

Lewiston Road Connector from Fleming Rd. to Lewiston Rd.

Stanley Road widening from Wendover Ave. to Hilltop Rd. **Vandalia Road** widening from Elm-Eugene St. to Pleasant Garden Rd.

Sidewalk & Trail Projects

Funded For Design & Construction

Randleman Road - Farragut St to Shoffner Ct.
Battleground Rail Trail Phase 2
Downtown Greenway
Red Oak Greenway
Riddick's Creek Greenway

Funded For Design Only

Battleground Avenue - Fisher Ave. to Westridge Rd.
N. Church Street - Denny Rd. to Electra Dr.
College Road -W. Market St. to Friendly Ave.
Cone Boulevard - Church St. to 16th St.
Holden Road - Walker Ave. to Vandalia Rd.
Lovett Street - Florida St. to Freeman Mill Rd.

Phillips Avenue - Huffine Mill Rd. to Summit Ave.
Spring Garden Street - Pomona Dr. to Market St.
W. Wendover Ave - Edwardia Dr. to Oak Branch Dr.
Dudley High School Spur Trail
Gracewood Greenway
Muddy Creek Greenway Phase 1 & 2
North Buffalo Creek Greenway
Piedmont Greenway
Pine Cone Greenway
South Buffalo Creek Greenway East & West Leg
Southeast Connector Spurs A,B & C
Vance Arlington Greenway

McConnell Road - Willow Rd. to English St.

Public Transportation Projects

Funded

• Bus Stop / Shelter Improvements

GSO NCDOT

MAJOR BRIDGE PROJECTS

Ballinger Road Bridge at Horse Pen Creek (B-4695)

Under construction by City of Greensboro, completion expected May 2013.

NCDOT

MAJOR INTERSTATE MAINTENANCE PROJECT FUNDING

Road. Pavement rehabilitation in 2020.

I-40 (I-5393) from I-73 to I-40/I-85 Split. Pavement I-85 (I-5339) from north of US 29 / US 70 to south of rehabilitation in 2018-2019.

I-40 (I-5363) from I-85 Split to Rock Creek Dairy I-40 / I-73 / I-85 Interstate Maintenance Preservation (I-5207). \$1.155 million per year 2012 thru 2020.

I-73. Pavement rehabilitation in 2017.

NCDOT

ROADWAY ROUTING CHANGES

US 70—Coming from Burlington to be routed onto the Urban Loop (I-840) to I-40/Bus I-85 and to follow Bus I-85. Pending.

NCDOT

ROADWAY / INTERSECTION PROJECTS

Randleman Road and Steeplechase Road—sight distance and intersection grade improvements. Complete.

Hicone Road at Eckerson Road—construct left turn lanes. Under Construction.

Lee Street and Sharpe Road—construct left turn lanes and traffic signal. Construction in 2013.

Bunch Road and Northwest School Road—construct right turn lane on Northwest School Road. Complete.

NC 68 from E. Harrell Road to Bartonshire Driveconstruct center turn lane. Construction start Summer 2014.

NC 68 at Alcorn Road and Stafford Mill Roadconstruct turn lanes on NC 68 and Alcorn Road. Construction late 2012 thru Summer 2013.

Alamance Church Road and Southeast School Road construct left turn lane on Alamance Church Road. Complete.

NC 150 at Bunch Road—improve sight distance, construct westbound left turn lane and install traffic signal. Construction start Spring 2013.

NC 150 at Royster Road—construct westbound left turn lane. Complete.

NCDOT

RAIL PROJECTS

Lowdermilk Street / Sykes Avenue intersection realignment and Pine Street railroad crossing removal. Design underway; right-of-way and construction schedule pending.

McLeansville Road Railroad Grade Separation & Area Crossing Closures Right-of-way in 2013 and construction in 2014.



Lead Planning Agency: City of Greensboro Department of Transportation PO Box 3136 Greensboro, NC 27402-3136 Phone: (336) 373-4368

Fax: (336) 412-6171 Email: guampo@greensboro-nc.gov Or visit: www.guampo.org www.greensboro-nc.gov/roadprojectmapping