

2018 Proposed Bond Package

PROJECT	AMOUNT
ECONOMIC DEVELOPMENT	
Economic Development Sites/Infrastructure	\$10,000,000
Liberty Street Redevelopment - Phase I	\$2,500,000
Commercial Redevelopment in Blighted Areas	2,000,000
<i>Economic Development Total:</i>	\$14,500,000
HOUSING DEVELOPMENT	
Neighborhood Revitalization	\$11,700,000
<i>Housing Development Total:</i>	\$11,700,000
PUBLIC SAFETY	
Public Safety Radio Communication System	\$9,000,000
New Fire Station	5,000,000
Fire Station #3 Replacement	3,600,000
Public Safety Training Complex	3,500,000
<i>Public Safety Total:</i>	\$21,100,000
PARKS AND RECREATION	
Recreation and Parks Facility Renewal	\$6,380,000
Winston Lake Park Improvements - Phase II	5,300,000
Salem Lake Park Improvements - Phase II	3,700,000
Quarry Park Development - Phase II	3,100,000
Washington Park Renovations	2,500,000
Hanes Park Improvements - Phase II	2,000,000
Playground Renovations	1,660,000
Carl H. Russell Community Center Renovation	1,160,000
Bethania-Rural Hall Pocket Park	1,000,000
Park Land Acquisition and Park Development	1,000,000
Strollway Renovations	1,000,000
Georgetown Pocket Park	800,000
Easton Park Restrooms	500,000
William R. Anderson Jr. Gym Renovation	500,000
Hobby Park	400,000
<i>Parks And Recreation Total:</i>	\$31,000,000
STREETS AND SIDEWALKS	
Street Resurfacing	\$13,600,000
Concrete Base Streets Rehabilitation	6,230,000
Business 40 Corridor Enhancements	3,800,000
Polo Road Improvements	3,670,000
Liberty and Main Street 2-Way Conversion	3,600,000
First and Second Street 2-Way Conversion	2,800,000
Multi-Use Path	2,300,000
East End Area Plan - Phase I	2,000,000
Little Creek Greenway - Phase II	1,500,000
Bicycle/Pedestrian Improvements	1,400,000
Salem Creek Greenway Pedestrian Sidepath	1,000,000
Streetscape Improvements - Phase I	1,000,000
Greenway Development	800,000
<i>Streets and Sidewalks Total:</i>	\$43,700,000

GRAND TOTAL: \$122,000,000

Project Title

Economic Development Sites/Infrastructure

Ward

TBD

Estimated Cost

\$10,000,000

Strategic Objective

EVD.5: Develop and redevelop commercial and industrial park sites

Project Description

The Mayor and City Council's Strategic Focus Area for Economic Vitality and Diversity includes an objective to develop and redevelop commercial and industrial park sites. City staff, in conjunction with the Utility Commission and Winston-Salem Business, Inc., have identified potential sites where future industrial or business parks could be located or infrastructure developed, including Wake Forest Innovation Quarter, Union Cross Business Park, Brookwood Business Park, and Whitaker Park. A future bond referendum could include additional funds for land purchase and site infrastructure development such as grading, water and sewer line construction, and road construction. Development of business parks has proven to be a successful tool for creating jobs and expanding the tax base.

Project Title

Liberty Street Redevelopment – Phase I

Ward

Northeast

Estimated Cost

\$2,500,000

Strategic Objective

LN.1: Improve character and condition of neighborhoods

Project Description

Funds for this project would be used to assist in the blight reduction along the Liberty Street Corridor. Phase I activities could include streetscape enhancements, property acquisition, demolition and clearing, land banking, and new construction activity.

Project Title

Commercial Redevelopment in Blighted Areas

Ward

Citywide

Estimated Cost

\$2,000,000

Strategic Objective

EVD.3: Promote commercial development in economically disadvantaged areas

Project Description

One of the objectives under the Mayor and City Council's Strategic Focus Area for Economic Vitality and Diversity focuses on the promotion of commercial development in economically distressed areas. This project would provide for site improvements to businesses in targeted urban commercial areas under the City's Revitalizing Urban Commercial Areas (RUCA) Program. Funds for site improvements would be provided in the form of grants and low-interest loans to small business owners. Of the 33 total RUCA areas identified in Tiers 1, 2 and 3, only 11 have received funding. This project would provide funding for additional improvements in these areas or future phases of RUCA.

Project Title

Neighborhood Revitalization

Ward

Citywide

Estimated Cost

\$11,700,000

Strategic Objective

LN.1: Improve character and condition of neighborhoods

Project Description

This project would provide for investments in the revitalization of existing neighborhoods within the city, in particular the Neighborhood Revitalization Strategy Area (NRSA). Investments would focus on housing rehabilitation and multi-family housing development to provide for increased workforce housing as a key component of the City's neighborhood revitalization strategy. Assistance may be provided in the form of direct or deferred loans and grants. Of the project total, \$1,700,000 would be earmarked for neighborhood revitalization in the East Ward.

Project Title

Public Safety Radio Communication System

Ward

Citywide

Estimated Cost

\$9,000,000

Strategic Objective

SSC.3: Improve public safety service quality

Project Description

As part of the 2000 bond referendum, a city/county shared public safety radio communications system was purchased and included five transmissions sites, communications consoles, and master network equipment. The current communications system is now over 15 years old and has parts that can no longer be replaced and no guarantees that parts can be serviced. City and county staff are reviewing the existing system and researching plans for future upgrades. The new system would be more geared toward software (versus hardware) enhancements and would include the replacement of radios. Most city operations, including police, fire, and public works will utilize the new communications system. The total cost of a new communications radio system is estimated to be \$18 million and would be split 50/50 with the County.

Project Title

New Fire Station

Ward

South, Southwest

Estimated Cost

\$5,000,000

Strategic Objective

SSC.3: Improve public safety service quality

Project Description

The foundation of a fire department's effectiveness is quick arrival at the scene of an emergency so that control measures can be employed as early in the event as possible. Modern fire modeling shows that occupants have between three-and-a-half and four minutes to escape a house fire. When a person suffers a sudden cardiac arrest, each minute that passes reduces the victim's chance of survival by 10%.

There is a gap in the Winston-Salem Fire Department's coverage network in the Burke Mill Road area. A 3.6 square mile area is beyond the national consensus minimum standard of four-minutes travel from the nearest fire station. This area contains major commercial infrastructure, including Hanes Mall and Forsyth Medical Center, and growth is forecast to be 10% to 25% in the next four years. The area experiences a high number of annual requests for service and has 384 occupancies that score at least a moderate risk in the Department's Occupancy Vulnerability Assessment Profile. Construction and staffing of a new fire station is recommended to close this gap. The proposed fire station would also include a historic apparatus bay, highlighting the history of the department. The proposed location would allow the Fire Department to move the ladder truck at Fire Station 2 on Somerset Drive closer to the commercial risk in the southwest part of the City.

Project Title

Fire Station #3 Replacement

Ward

Northeast

Estimated Cost

\$3,600,000

Strategic Objective

SSC.3: Improve public safety service quality

Project Description

Funds for this project would be used to replace Fire Station #3, located at 2995 North Liberty St. Fire Station #3 was placed in service in 1964 and has outlived the usefulness of its design. In addition to inadequate apparatus bays, dormitory space, and storage, the facility contains no classroom space, physical training facility, or laundry room. The interior of the station has been modified over the years, and the HVAC system design is inadequate, requiring the use of window units. Office space must also be used as dormitory space and there are only two showers. Replacement of the station, similar to Fire Station #8, would alleviate these concerns.

Project Title

Public Safety Training Complex

Ward

TBD

Estimated Cost

\$3,500,000

Strategic Objective

SSC.3: Improve public safety service quality

Project Description

The proposed Public Safety Training Complex project would include funding for land acquisition, master planning, and a driving pad. A 600' x 600' asphalt driving pad will provide the Police Department with an area meeting the specifications of the NC Criminal Justice Education and Training Standards Commission. This is essential to ensuring police officers operate their vehicles safely and responsibly, and are using proper procedures for pursuit and conducting traffic stops. Future phases could include a pre-engineered fire training building with Firefighter Combat Challenge stair tower, concrete fire apparatus driving pad, and fire maintenance facility. Additional phases would cost approximately \$14,000,000.

Project Title

Recreation and Parks Facility Renewal

Ward

Citywide

Estimated Cost

\$6,570,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

Under the City's asset management program, Property and Facilities Management has performed facility condition assessments on all buildings in general fund departments, including recreation facilities. Property and Facilities Management has documented needs and established a schedule for the replacement of roofs, replacement of heating and air conditioning systems, painting, renewal of interior finishes, replacement and repair of electrical and lighting systems, and miscellaneous systems maintenance at each of the City-owned facilities.

Along with general facility renewal, this project would also include needed maintenance, improvements, and upgrades to lighting, security, tennis courts, basketball courts, and pools throughout the city.

Ward	Location	PFM Submitted Projects					Recreation Submitted Projects					Location Total
		Roof Repairs/ Replacement	Heating & Cooling	Interior/Exterior Painting	Stucco Repairs	Other	Lighting	Security	Tennis Court Repairs	Indoor Basketball Court Resurfacing	Swimming Pool Repairs	
Northwest	Bethabara	\$30,000										\$30,000
	Grace Court					\$5,000						\$5,000
	Hanes	\$10,000					\$70,000		\$100,000			\$180,000
	Old Town						\$250,000	\$30,000				\$280,000
	Polo	\$215,000									\$225,000	\$440,000
	Winston Square				\$20,000							\$20,000
North	Brown & Douglas		\$15,000		\$15,000			\$30,000				\$60,000
	Greenway	\$20,000										\$20,000
	Hanes Hosiery							\$30,000				\$30,000
	Hine						\$600,000					\$600,000
	Kimberley	\$15,000									\$225,000	\$240,000
	Long Creek										\$200,000	\$200,000
	Martin Luther King Jr.			\$30,000		\$49,500		\$30,000		\$125,000		\$234,500
Northeast	Carver High School								\$100,000			\$100,000
	Mineral Springs								\$160,000			\$160,000
	Sara Lee Soccer						\$1,105,000					\$1,105,000
	Fourteenth Street							\$30,000	\$100,000			\$130,000
East	Recreation Maintenance Warehouse		\$25,000			\$20,000						\$45,000
	Rupert Bell							\$30,000				\$30,000
	Sedge Garden							\$30,000				\$30,000
	William C. Sims							\$30,000		\$125,000		\$155,000
	Winston Lake Golf Course	\$20,000	\$35,000	\$30,000				\$30,000				\$115,000
	Belview					\$6,000		\$30,000				\$36,000
Southeast	Reynolds Park	\$25,000									\$225,000	\$250,000
	Salem Lake	\$8,500										\$8,500
	Sprague Street	\$205,000						\$30,000		\$125,000	\$600,000	\$960,000
	Georgia E. Taylor							\$30,000				\$30,000
Southwest	Bolton										\$425,000	\$425,000
	Little Creek	\$40,000					\$150,000	\$30,000				\$220,000
	Miller Park	\$50,000	\$50,000			\$16,000		\$30,000		\$250,000		\$396,000
West	South Fork					\$5,000		\$30,000				\$35,000
Category Total		\$638,500	\$125,000	\$60,000	\$35,000	\$101,500	\$2,175,000	\$450,000	\$460,000	\$625,000	\$1,900,000	\$6,570,000
PFM Total		\$960,000										

Project Title

Winston Lake Park Improvements – Phase II

Ward

East

Estimated Cost

\$5,300,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project provides for further development of Winston Lake Park. Phase I of renovations and improvements to the park was funded as part of the 2014 bond referendum. Potential new amenities and renovations in future phases include new/replacement picnic shelters, new restroom facilities, playground replacements, greenway and walking trails, realignment of park road, improved fishing facilities, a special events center, an outdoor amphitheater, and other amenities identified as part of the master plan completed in FY 2012-13. The table below shows improvements proposed for Phase II.

Improvement Description	Itemized Cost
Dredge the lake to remove pollutants and accumulated sediment to maintain water quality and support fish, wildlife, and sustainable plant growth. This is required maintenance to preserve the health of the lake and has not been completed since 1990.	\$100,000
Construct a lakefront strollway. (Strollway must be constructed simultaneously with lake dredging.)	\$2,000,000
Make any and all repairs to the dam for safety.	\$200,000
Construct fishing pavilion with restrooms.	\$300,000
Construct covered fishing pier.	\$350,000
Remove vegetation and clear opposite side of the lake for fishing.	\$300,000
Construct a fishing platform on opposite side of the lake to allow the area to be utilized for fishing.	\$300,000
Resurface Winston Lake Road from new aquatic center to lakefront park/fishing area.	\$450,000
Construct pedestrian circulation on opposite side of the lake that connects to existing picnic shelters #3 and #4.	\$300,000
Implement pedestrian safety mechanisms and evaluate options for improved parking around Waterworks Road.	\$1,000,000
Total	\$5,300,000

Project Title

Salem Lake Park Improvements – Phase II

Ward

Southeast

Estimated Cost

\$3,700,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project provides for the development of the Salem Lake Park property, which is approximately 1,450 acres. Phase I of renovations and improvements to the park was funded as part of the 2014 bond referendum. Potential improvements/new amenities in future phases include renovations to the New Greensboro Road and Linville Road Trailheads to provide for development of and expanded access to greenways. Future development would also include picnic shelters, restroom facilities, water spraygrounds, mountain biking and pedestrian trails, new playgrounds, additional parking, bird watching and wildlife interpretive areas in the eastern part of the park, and other amenities identified as part of the master plan completed in FY 2012-13. The table below shows proposed Phase II improvements.

Improvement Description	Itemized Cost
Replace shoreline bulkhead and address areas of failure due to sink holes.	\$800,000
Demolish and replace lakefront pavement. Required as part of bulkhead replacement. Also includes improvements to the area such as new seating, trash/recycling receptacles, lighting, kayak storage, and boat slips.	\$1,500,000
Construct new boat launch ramp to meet current standards for ease of access and ADA compliance	\$150,000
Renovate existing storage shed, creating an open-air facility that can alternatively be used for outdoor seating and picnic facilities along the lake front. Needs to be completed at the same time as bulkhead construction due to location of the structure	\$500,000
Construct new picnic shelters and pedestrian seating at "The Point," near the playground.	\$750,000
Total	\$3,700,000

Project Title

Quarry Park Development – Phase II

Ward

Southeast

Estimated Cost

\$3,100,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project provides for further development of the former Vulcan Quarry property. Phase I of park development was funded as part of the 2014 bond referendum. Potential new amenities in future phases include expanded infrastructure, expanded parking, architectural enhancements, new bridges to reach amenities, picnic pavilions, pedestrian circulation improvements, a disc golf course, mountain bike trails and additional planned park space including events space and nature exhibits as identified in the master plan completed in FY 12-13. The table below shows the improvements proposed for Phase II.

Improvement Description	Itemized Cost
Construct interactive playground to make the park a destination for families.	\$1,500,000
Expand parking lot to handle usage growth.	\$150,000
Purchase and installation of additional infrastructure and site furnishings included but not limited to lighting of pedestrian walkways, pedestrian seating, picnic tables, grills, water fountains, etc.	\$450,000
Construct picnic shelters and pavilions.	\$1,000,000
Total	\$3,100,000

Project Title

Washington Park Renovations

Ward

South

Estimated Cost

\$2,500,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

A master plan was recently completed for Washington Park. Proposed improvements for Washington Park include addressing deferred maintenance issues, reorienting the ball fields to the more active side of the park, improving parking and lighting, and providing more areas of the park as open space to allow for more passive recreational opportunities in the historic areas of the park. The proposed funding of \$2,500,000 would address the highest need amenities, which could include improving the pedestrian paths, renovated picnic shelters, new restroom with heated pipe chase for year round use, new pedestrian entry locations on the southern end of the park, and improved lighting and other infrastructure improvements.

Project Title

Hanes Park Improvements – Phase II

Ward

Northwest

Estimated Cost

\$2,000,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

Funds for this project would allow completion of the second phase of improvements to Hanes Park. Phase I is currently underway. Phase II would include renovating the Joe White Tennis Center, ball field, and hard- and soft-surface tennis courts and constructing an overlook next to Wiley Middle School.

Project Title

Playground Renovations

Ward

Citywide

Estimated Cost

\$1,660,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project would provide replacements and upgrades for playgrounds throughout the city. Playgrounds are replaced based on annual safety assessments, condition of the equipment, and overall usage. Locations to be renovated include the following:

<u>Location</u>	<u>Cost</u>	<u>Ward</u>
Fourteenth Street	\$250,000	East
Reynolds Park	\$230,000	Southeast
Skyland	\$200,000	East
Lockland	\$200,000	Southwest
Bolton	\$780,000	Southwest
TOTAL	\$1,660,000	

Project Title

Carl H. Russell Community Center Renovation

Ward

Northeast

Estimated Cost

\$1,160,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

The Carl H. Russell Community Center opened in 1987 and was North Carolina's first community center with gigabit internet access. Over time, increased demand for quality rental space and issues related to deferred maintenance have driven the need to make several upgrades/repairs to the community center. This project would provide funding for a complete renovation of Carl H. Russell Community Center and could serve as a model for similar renovations across the city. Proposed renovations could include new game room, complete gym renovation including new score clock, gym floor, doors, backboards and rims, and new pedestrian seating. Other interior renovations include new paint and updated interior lighting. Outdoor renovations could include exterior lighting improvements, improved accessibility, security improvements, and several landscaping improvements around the community center.

Project Title

Bethania-Rural Hall Pocket Park

Ward

North

Estimated Cost

\$1,000,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project would create a neighborhood park to fill an unmet need for the Bethania Freedman's Community along Bethania-Rural Hall Road, adjacent to Fire Station #20. Possible park amenities could include a playground/outdoor fitness equipment, pedestrian walking paths/loop, and benches.

Project Title

Park Land Acquisition and Park Development

Ward

Citywide

Estimated Cost

\$1,000,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project would create a reserve fund to be used exclusively for future acquisition of land that could be developed into future park land and open space. There are not identified tracts of land proposed under this project; rather this fund would be used to acquire land in the future should the City find itself in a position to acquire land for park use. Funding would be available for sites throughout the city.

Project Title

Strollway Renovations

Ward

Southeast

Estimated Cost

\$1,000,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project would provide for paving, drainage, and remediation of safety issues from Business 40 to the UNC School of the Arts. Current condition of the strollway presents several hazards to users. Construction would include resurfacing 6,000 linear feet, widening the trail to the 10-foot standard, and minor bridge repair.

Project Title

Georgetown Pocket Park

Ward

North

Estimated Cost

\$800,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

This project would create a neighborhood park to fill an unmet need in the Georgetown neighborhood in the North Ward. Possible park amenities could include a playground, walking path, and benches.

Project Title

Easton Park Restrooms

Ward

Southeast

Estimated Cost

\$500,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

Funding for this project would provide for the construction of new restrooms at Easton Park.

Project Title

William R. Anderson Jr. Gym Renovation

Ward

Southeast

Estimated Cost

\$500,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

Funds for this project would allow for indoor basketball court resurfacing and expanded seating, along with other potential renovations of the gymnasium at William R. Anderson Recreation Center. Resurfacing the gym floor would reduce annual maintenance costs associated with the current surfacing and keep the court usable for citizens. Expanding seating would also provide enhanced service and accessibility to the surrounding community. Any additional funds would be used for other renovations including painting, new backboards and rims, lighting improvements, or other upgrades.

Project Title

Hobby Park

Ward

South

Estimated Cost

\$400,000

Strategic Objective

LN.6: Expand open space and recreational facilities

Project Description

A master plan was recently completed for Hobby Park. The proposed funds of \$400,000 for this project would focus on the lower parking lot with base repair and resurfacing, landscaping, and drainage improvements.

Project Title

Street Resurfacing

Ward

Citywide

Estimated Cost

\$13,600,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

The City of Winston-Salem maintains 1,013.52 centerline miles (2,180.63 lane miles) of hard surface streets and 6.62 miles of dirt streets. The benchmark for city streets is for 85% of the streets to have a pavement condition rating of 85 or higher. Available resurfacing funds are applied and distributed throughout the city with an overall goal of improving the commute for citizens and achieving the pavement condition benchmark. It costs about \$163,000 to resurface one mile. The estimated amount would resurface about 83 miles.

Project Title

Concrete Base Street Rehabilitation

Ward

Citywide

Estimated Cost

\$6,230,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

Multiple streets throughout the city are constructed of concrete. Often, the curb and gutter were poured with the street and are one contiguous unit. The curb and gutter are not a standard height or width. The concrete base has exceeded its life expectancy. Asphalt has been applied on top of the concrete street in a thin layer so that a gutter will remain in place to carry stormwater. The asphalt will break and pop off in a relatively short time frame. The asphalt has to be milled prior to a new layer being placed on the roadway. These streets are requiring more maintenance and creating continuous costs due to the limitations of repair. This project would provide a one-time fix for a minimum of 15 to 20 years.

Concrete and concrete-base streets targeted for rehabilitation include those listed below:

WARD	STREET	FROM	TO
WEST	ARBOR RD	ROBINHOOD RD	COUNTRY CLUB RD
WEST	BITTING RD	CLUB PARK RD	WESTVIEW DR
EAST	E FIFTH ST	MARYLAND AV	OLD GREENSBORO RD
NORTHEAST	EIGHTEENTH ST	N LIBERTY ST	DEAD END
WEST	FAIRFAX DR	WINDSOR RD	DEAD END
WEST	LYNN AVE	WINDSOR RD	GREENWICH RD
WEST	WINDSOR RD	PLYMOUTH AVE	FAIRFAX DR
WEST	WOODBINE RD	WESTOVER AVE	BUENA VISTA RD

Project Title

Business 40 Corridor Enhancements

Ward

East, South, Southwest, Northwest

Estimated Cost

\$3,800,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

The City of Winston-Salem and Creative Corridors Coalition have committed to funding a total of over \$9,000,000 in betterments for the Business 40 project, which includes local bond funds, Congestion Mitigation Air Quality (CMAQ) funds, local matching funds, and private donations. These betterments will be included in the Business 40 reconstruction project. Additional desired betterments were not able to be funded and are being requested as a need for future capital project funding. These betterments are estimated at \$3.8 million and include a clear noise wall on the east side of Peters Creek Parkway, monument foundations for art on seven bridges, artwork for seven bridges, pedestrian level lighting within the corridor, and enhanced landscaping.

Project Title

Polo Road Improvements

Ward

North, Northwest

Estimated Cost

\$3,670,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

This project would provide funds to construct safety improvements related to traffic flow on Polo Road. The area of Polo Road to be targeted for improvement is the area between Reynolda Road and Long Drive.

Project Title

Liberty and Main Streets 2-Way Conversion

Ward

East, Northwest, South

Estimated Cost

\$3,600,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

The North Carolina Department of Transportation (NCDOT) will renovate Business 40/US 421 from Peters Creek Parkway to US 52. To improve safety, the project will leave in place the ramps at Cherry and Marshall Streets and close the ramps at Liberty and Main Streets. The Winston-Salem Chamber of Commerce Business 40 Task Force made several recommendations for improvements to surface streets to deal with the impacts of the ramp closures. One location requested for evaluation was to convert Liberty Street and Main Street to 2-way. Davenport Engineering completed the Downtown Street Study and determined that Liberty and Main Streets can be made 2-way. This project would fund the conversion of Liberty and Main Streets to 2-way in the areas recommended after the reopening of Business 40 in 2020.

Project Title

First and Second Streets 2-Way Conversion

Ward

Northwest, South

Estimated Cost

\$2,800,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

The North Carolina Department of Transportation (NCDOT) will renovate Business 40/US 421 from Peters Creek Parkway to US 52. To improve safety, the project will leave in place the ramps at Cherry and Marshall Streets and close the ramps at Liberty and Main Streets. The Winston-Salem Chamber of Commerce Business 40 Task Force made several recommendations for improvements to surface streets to deal with the impacts of the ramp closures. One location requested for evaluation was to convert First Street and Second Street to 2-way. Davenport Engineering completed the Downtown Street Study and determined that First and Second Streets can be made 2-way except portions of First between Spruce and Main, and Second between Spruce and Town Run Lane. This project would provide funding for the areas where recommended after the reopening of Business 40 in 2020.

Project Title

Multi-Use Path

Ward

South, Southwest, Northwest, East

Estimated Cost

\$2,300,000

Strategic Objective

QT.2: Expand bike, sidewalk, and greenway network

Project Description

The Multi-Use Path (MUP) project would construct a bicycle and pedestrian transportation path within the I-40 (Business) corridor from Lockland Avenue to Liberty Street with a possible future connection to the WFIQ Trail. The path would provide connectivity between Wake Forest University/Baptist Medical Center and the Wake Forest Innovation Quarter, with connections along the way between residential neighborhoods, employment centers, and recreational land uses, including BB&T Ballpark. The path would provide a completely separated transportation facility for cyclists and pedestrians, limiting potential conflicts with motor vehicle traffic by making use of underpasses and overpasses at busy roadways. Portions of this facility are being included in the Business 40 reconstruction project. This segment of the project is a bicycle and pedestrian transportation path from Peters Creek Parkway to Lockland Avenue.

Project Title

East End Area Plan – Phase I
Fifth Street Streetscape Improvements

Ward

East

Estimated Cost

\$2,000,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

The East End Area Plan includes improving the appearance and function of East Fifth Street through streetscaping. This project would provide funds to implement this part of the East End Area plan and conduct streetscape improvements along Fifth Street, in the area between US-52 and Martin Luther King, Jr. Dr.

Project Title

Little Creek Greenway – Phase II

Ward

Southwest

Estimated Cost

\$1,500,000

Strategic Objective

QT.2: Expand the bike, sidewalk, and greenway network

Project Description

This project would provide funds to expand the Little Creek Greenway by just over 3,500 linear feet. The new greenway would run from the existing Little Creek Greenway to Somerset Drive.

Project Title

Bicycle/Pedestrian Improvements

Ward

Citywide

Estimated Cost

\$1,400,000

Strategic Objective

QT.2: Expand the bike, sidewalk, and greenway network

Project Description

Funding for this project would be used to improve bicycle and pedestrian accessibility throughout the city. Projects could include repairing current bicycle and pedestrian facilities as needed, constructing roadway safety improvements, and expanding sidewalks and bike lanes with an emphasis on improving the overall connectivity of the bike/ped system.

Project Title

Salem Creek Greenway Pedestrian Sidepath

Ward

South, Southwest

Estimated Cost

\$1,000,000

Strategic Objective

QT.2: Expand the bike, sidewalk, and greenway network

Project Description

This project would provide funds to construct a pedestrian sidepath connecting the Salem Creek Greenway and Marketplace Mall to the area near Forsyth Technical Community College. The pedestrian sidepath would consist of a paved sidewalk starting on Peters Creek Parkway outside Marketplace Mall. The sidepath would run along Peters Creek Parkway to Link Road, along Link Road to Lockland Avenue, and down Lockland Avenue to Silas Creek Parkway. Pedestrian crossings would be added at the intersections of Peters Creek Parkway and Link Road and at Lockland Avenue and Silas Creek Parkway.

Project Title

Streetscape Improvements – Phase I

Ward

Northwest, North, East, South

Estimated Cost

\$1,000,000

Strategic Objective

QT.1: Improve integrated road network

Project Description

Downtown Streetscape Improvements would be based on the recommendations of the Downtown Streetscape Plan. A streetscape plan is currently scheduled to be developed and presented by winter of 2018. The plan will represent an intentional approach to design through the creation of standards with the majority of improvements being funded through public sources. The plan will include design standards and funding estimates. If adopted, these funds would be used to implement the recommendations from this plan.

A streetscape consists of the visual elements of a street and includes the road itself, trees and other plantings, lighting, benches, bike racks, and public art pieces. Streetscapes give the streets character and help create a brand identity for an area. Many cities have developed comprehensive master plans with streetscape standards to establish consistency between public and private investments, while still allowing for the unique elements that set each downtown apart from others.

Estimates for improvements are based upon work done in other areas in the city. The following page includes a list of potential projects based upon those estimates.

**Estimates for Streetscape Enhancement Costs along
Liberty Street, Trade Street, Fifth Street and Fourth Street**

Liberty Street	Length (LF)	\$1500/LF
Main St to MLK Jr. Dr	220	\$ 330,000.00
7th St to Main St	410	\$ 615,000.00
6th St to 7th St	520	\$ 780,000.00
Total:	1,150	\$ 1,725,000.00

Trade Street	Length (LF)	\$1500/LF
7th St to MLK Jr. Dr	590	\$ 885,000.00
6th St to 7th St	560	\$ 840,000.00
Total:	1,150	\$ 1,725,000.00

Fifth Street	Length (LF)	\$1500/LF
Main St to Church St	260	\$ 390,000.00
Church St to Chestnut St	350	\$ 525,000.00
Chestnut St to Patterson Ave	320	\$ 480,000.00
Patterson Ave to Vine St	250	\$ 375,000.00
Vine St to Research Pkwy	760	\$ 1,140,000.00
Research Pkwy to Maple St	370	\$ 555,000.00
Maple St to US 52 Bridge	160	\$ 240,000.00
US 52 Bridge to Metropolitan Dr	210	\$ 315,000.00
Metropolitan Dr to Highland Ave	610	\$ 915,000.00
Highland Ave to Woodland Ave	330	\$ 495,000.00
Wood land Ave to Cleveland Ave	320	\$ 480,000.00
Cleveland Ave to Laura Ave	310	\$ 465,000.00
Laura Ave to MLK Jr. Drive	430	\$ 645,000.00
Total:	4,420	\$ 7,020,000.00

Fourth Street	Length (LF)	\$1500/LF
Main St to Church St	250	\$ 375,000.00
Church St to Chestnut St	360	\$ 540,000.00
Chestnut St to Patterson Ave	320	\$ 480,000.00
Patterson Ave to Vine St	200	\$ 300,000.00
Vine St to Research Pkwy	780	\$ 1,170,000.00
Research Pkwy to Maple St	330	\$ 495,000.00
Maple St to US 52 Bridge	190	\$ 285,000.00
US 52 Bridge to Metropolitan Dr	200	\$ 300,000.00
Metropolitan Dr to Highland Ave	600	\$ 900,000.00
Highland Ave to Woodland Ave	330	\$ 495,000.00
Wood land Ave to Cleveland Ave	320	\$ 480,000.00
Cleveland Ave to Laura Ave	310	\$ 465,000.00
Laura Ave to MLK Jr. Drive	440	\$ 660,000.00
Total:	4,380	\$ 6,945,000.00

Grand Total:	11,100	\$ 17,415,000.00
---------------------	---------------	-------------------------

Estimated cost of \$1500/LF. Estimates include the costs for milling and paving, striping, curb/gutter, storm sewer, sidewalk, new signal poles, street and pedestrian lights (both ornamental), street trees, decorative paving (cobblestones), stamped/colored crosswalks, etc. Assume these costs do not include major adjustments or relocation of utilities. Additional items not included are relocation of power underground. A 15 way ductbank is estimated around \$1250 to \$1500 per linear foot.

Project Title

Greenway Development

Ward

Citywide

Estimated Cost

\$800,000

Strategic Objective

QT.2: Expand bike, sidewalk, and greenway network

Project Description

This project would create a reserve for future greenway development. Funds would enable the City to expedite construction by completely funding special design work with local dollars, thus not requiring the extensive review by the State if the projects are funded from State grants. Staff would then pursue obtaining funds through the Transportation Advisory Committee (TAC) and Bicycle and Greenway Planning Sub-Committee to make recommendations for construction funding through various state and federal funds, where applicable.