



TOWN OF KILL DEVIL HILLS

Land Where Flight Began

PUBLIC NOTICE

NOTICE IS HEREBY GIVEN that on Monday, September 23, 2024, at 12:30 p.m., the Town of Kill Devil Hills Street Improvement and Special Projects Committee will hold a meeting in the Town Hall Meeting Room, located at 102 Town Hall Drive, Kill Devil Hills.

A printed packet is available for public inspection in the Planning Department, 102 Town Hall Drive. To schedule an inspection time, contact the Department at 252-449-5318. Packet materials can be viewed on the Town's website at <https://www.kdhnc.com/757/Agendas-Packets-and-Minutes>.

Written public comments for the Street Improvement and Special Projects Committee can be emailed to info@kdhnc.com. Comments must include your name and address and are limited to three minutes for individuals, and five minutes when speaking for a group. The items to be discussed are listed below:

AGENDA

Call to Order

Agenda Approval

Approval of the May 8, 2023 meeting minutes

Public Comment (Time limit of 3 minutes per person; 5 minutes per group)

Ongoing Business

New Business

1. Election of Vice-Chair
2. Street Improvement Recommendation for Fiscal Year 2025-2026 and Plan Year 2026-2027

Adjournment

Posted this 16th day of September 2024

Jennifer Stecher

Administrative Assistant/Deputy Town Clerk

Copies to: *Street Improvement and Special Projects Committee members in their meeting materials; Mayor & Board of Commissioners; Town Manager; all Town bulletin boards; KDH Sunshine List including all local news media; KDH Electronic Distribution List; website, social media; file*

Minutes of the May 8, 2023, meeting of the Kill Devil Hills Street Improvement and Special Projects Committee (SISPC) held at 4:00 p.m. in the Town Hall meeting room of the Administration Building, 102 Town Hall Drive, Kill Devil Hills.

Members Present: Chairperson B.J. McAvoy, Kevin Cox, Nelson V. “Skip” Jones, Jr., and Ronald Seidman, II

Members Absent: Billy Dorn

Others Present: Meredith Guns, Planning Director; Steve Albright, Public Services Director; Derek Dail, Assistant Public Services Director; Pete Burkheimer, Town Engineer; Patrick Lewis, American Engineering; and Jennifer Stecher, Administrative Assistant/Deputy Town Clerk

Call to Order

At 4:01 p.m., Commissioner B.J. McAvoy called this meeting of the Kill Devil Hills Street Improvement and Special Projects Committee (SISPC) to order and welcomed everyone present.

Agenda Approval

Ron Seidman moved to approve the agenda for the meeting as presented. Skip Jones seconded the motion, which was approved by a unanimous, 4-0, vote.

Approval of the Minutes of the February 22, 2022 Meeting

Mr. Jones moved to approve the minutes of the February 22, 2022, SISPC meeting as presented. Mr. Seidman seconded the motion, and the minutes were approved, with a unanimous, 4-0, vote.

Public Comment

Jonathan Kuykendall, 1722 Sea Swept Road – Mr. Kuykendall was concerned about the standing water that appears from storms. He notices the water run down the street and into the yards of six to eight houses on Sea Swept as well as Virginia Avenue. He wants to know if there was a plan in place to improve this flooding.

Darlene Bright of 706 W Sportsman Drive, speaking for family members of 408 Clam Shell Drive – The house was built in 1986, and as housing development has increased drainage issues in their bottom level have developed. Please improve flooding issues if possible in this area.

Staff recalled between 2004 to 2006 there was a petition from homeowners to stop a project to create a large open drain to resolve the drainage issue in the area. Deep open ditches are no longer used to remedy drainage issues. Town Engineer Pete Burkheimer said improvements will be noticed with drainage around Sea Swept Road once the Third Street project is complete. If drainage issues persist in the area, then additional pipes will be used to connect directly to the main pipe on West Third Street.

Ongoing Business

New Business

1. 2022 Street Rating Update – American Engineering

Patrick Lewis with American Engineering offered a synopsis of the annual update of the 2022 Street Conditions Rating Study. The report noted Town Staff conducted a Street Conditions Rating Study in 2022 and found 3.97 miles of “Poor” condition streets were upgraded to “Excellent” between 2017 and 2022, 1.20 miles of streets fell to “Poor” condition between 2017 and 2022, a total of 4.39 miles of “Poor” condition streets remain as of the 2022 Rating Study. Between the 2023 project to be awarded on May 8th, and the project planned for 2024-2025, an additional 1.19 miles of “Poor” condition streets will be upgraded to “Excellent”. Mr. Lewis noted that Town staff has been extremely diligent with keeping on the schedule to increase the rating of each street and should be commended for keeping up with the schedule in light of increased pricing in construction. When the Town gets through repairing streets that were not properly rebuilt, or created in the first place, those streets will have longevity and the maintenance in the future will be less expensive.

Mr. Jones was happy about the sidewalks along US 158 in front of the Monument and his neighborhood's drainage has significantly improved when the street was upgraded with sock drains.

Mr. Lewis gave a brief synopsis of near-future plans to include substantial completion of paving for the first three blocks of West Durham Street and adding storm drain, piping the US 158 drainage ditch from West Durham Street to West Third Street completion, updating of the South Seminole roadway with a sock drain added and a water main replaced; Indian Drive will be paved in some areas and storm drain running to West Third Street. The pricing last year was too high so it was re-bid this year and plans for approval at the following May 8, 2023, BOC meeting with the anticipation of completion in the 2023-2024 fiscal year. The 2024-2025 fiscal year project will be the replacement of a one-mile section of Wrightsville Boulevard, from Goddard Avenue to Carolyn Drive, including storm drainage, replacement of asbestos-cement water mains, and upgrading pipe sizes on smaller water mains to help alleviate storm drainage and minimize flooding during high-volume rain events.

Mr. Jones asked if the Town would be contributing to runoff that would compromise the water quality in the sound. Planning Director Meredith Guns said that the outfall water goes through a series of natural filters before reaching the sound, which helps to improve the water quality. Mr. Burkheimer reiterated that water going through sediment and drains is indeed a natural filter.

The group expressed its appreciation to Billy Dorn, Commissioner Gray, and Ron Seidman who spent several hours driving the entire mileage of the town to rate each street.

2. Citizen Comments/Request

Over the past year, Staff has received several requests for capital road improvements or traffic control devices. Part of the meeting packet included citizen requests via email for West Sportsman Drive, Eighth Avenue, and West Fourth Street.

West Sportsman Drive

Darlene Bright, 706 West Sportsman Drive – Ms. Bright’s house was built in 2011, and she has lived there full-time since 2017. Ms. Bright noted she has seen some wonderful improvements throughout the Town but is concerned with the condition and narrowness of West Sportsman Drive and has not seen any improvements to the road since moving to the area. She believes improvement to the road would help increase property values and present better to any visitors in the area. Ms. Bright also requested drainage improvements.

Ramona Joyce, 501 West Sportsman Drive – Ms. Joyce bought her home in 2014 and has been a happy permanent resident since that time. She is opposed to widening the street due to the environmental impacts of trees being removed and some neighbors would lose parking space for their cars. She likes the uniqueness of it being the smallest street and believes drivers go slower because it is a narrower street. Ms. Joyce believes repaving the street would be beneficial. Ms. Joyce also read an email from her neighbor Harry Fanning of 408 West Sportsman Drive (Mr. Fanning’s email is part of the meeting packet).

Kurt Korte, 407 West Sportsman Drive - Mr. Korte bought his house in 2013. The aesthetics is not his prominent concern and he is worried about the flooding and safety for pedestrians and bikers. Mr. Korte asked how wide the street would be if it was widened and would the live oaks remain if the street was widened.

Bruce Jones, 703 West Sportsman Drive – Mr. Jones has lived in the house for over 20 years. Drainage is bad on the street. He feels like a drainage ditch would encroach on personal property. Two extreme storms created significant flooding from the sound. During a significant rain event, the south side of the street receives all the water from the north side of the street because of the slope of the land.

Richard and Cathy Shelton, 806 West Sportsman Drive – Mr. Shelton, who has owned his house since 2013, submitted an email requesting the street be widened, a sidewalk be added, improved drainage, and a stop light installed where it meets US 158.

June Duck, of 403 West Sportsman Drive – Ms. Duck called Staff to relay her desire for improvements to the street and consideration of converting it to one-way traffic.

The following comments were submitted via email and were included with the meeting materials:

Michael Leary, 802 West Sportsman Drive – Mr. Leary, who has owned his house since 2014, submitted an email requesting improvements to the street. Mr. Leary does not feel safe walking or riding his bike and requested the street be repaved, widened, a sidewalk added, and improvements to drainage.

Gabriel Constanzo, of 500 West Sportsman Drive – Mr. Constanzo, who has owned his house since 2010, submitted an email opposing any widening of the street.

David Monell, of 103 West Sportsman Drive – Mr. Monell, who has owned his house for 13 years, submitted an email requesting the widening of the street.

Paula McElroy, of 408 West Sportsman Drive – Ms. McElroy, who has owned her house since 2010, submitted an email opposing the widening of the street.

The SISPC recommended a plan in 2009 to improve West Sportsman Drive including water drainage improvement, and increase street width to the Town standard. At that time, the residents of West Sportsman Drive signed a petition to stop all improvements on the street. That plan for improvements to West Sportsman Drive is still available and can be revisited. Mr. Burkheimer said an upgrade is needed to the drainage pipes on the street and improvements to the street can be made at the same time since it will be disturbed with the water main replacement. Achieving the Town standard of a 20-foot wide street can take place by utilizing just two feet on either side of the road and drainage improvements can be attained by applying an inverted crown to the street.

Eighth Avenue

Vonnie Spaeth, of 1202 Eighth Avenue – Ms. Spaeth submitted an email requesting paving on the south end of Eighth Street.

Ms. Guns noted it has been a policy of the Board to maintain improved roads before paving a gravel road. The Town does manage this particular gravel road and it will be paved, along with other gravel roads, once the list of Town paved streets is completed. SISPC will address future projects at their future meetings.

West Fourth Street

The following comment was submitted via email and was included with the meeting materials:

Diane Barbre, of 305 West Fourth Street - Ms. Barbre submitted an email about concerns about added traffic and ongoing speeding on the street.

3. Election of Vice-Chair

Mr. Seidman moved to nominate Skip Jones for Vice-Chair. Mr. Cox seconded the motion, which carried by a unanimous, 4-0 vote.

Adjournment

There being no other business before the SISPC at this time, Mr. Seidman moved to adjourn the meeting. Mr. Cox seconded the motion, which carried by a unanimous, 4-0 vote, and the meeting adjourned. The time was 5:21 p.m.

Submitted by:

Jennifer Stecher
Administrative Assistant/Deputy Town Clerk

Director of
Planning and Inspections
MEREDITH GUNS

Building Inspector
MARTY SHAW
CHARLES THUMAN

Code Enforcement Officer
JORDAN BLYTHE



Assistant Director of
Planning and Inspections
CAMERON RAY

Senior Planner
RYAN LANG

Zoning Administrator
DONNA ELLIOTT

THE TOWN OF KILL DEVIL HILLS
NORTH CAROLINA

PLANNING DEPARTMENT

September 23, 2024

Memorandum

To: Street Improvement/Special Project Subcommittee

From: Meredith B. Guns, Planning Director *MBS*

Subject: Meeting Monday, September 23, 2024 at 12:30 pm

Attached to this memorandum is the packet for the Street Improvement/ Special Project Committee. The subcommittee will meet on Monday, September 23, 2024 at 12:30 pm in the Commissioners Meeting Room and lunch will be provided.

Director of
Planning and Inspections
MEREDITH GUNS

Building Inspector
MARTY SHAW
CHARLES THUMAN

Code Enforcement Officer
JORDAN BLYTHE



Assistant Director of
Planning and Inspections
CAMERON RAY

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THE TOWN OF KILL DEVIL HILLS
NORTH CAROLINA

PLANNING DEPARTMENT

September 23, 2024

Memorandum

To: Street Improvement/ Special Project Subcommittee

From: Meredith Guns, Planning Director *MBG*

Subject: Street Improvement Recommendation 2025-26 Fiscal Year (FY) and 2026-27 Plan Year

Attached is a memorandum and spreadsheet dated September 17, 2024 from Town Engineer Patrick Lewis, P.E., of American Engineering. The spreadsheet outlines street recommendations for 2025-26 FY, 2026-27 Plan Year and beyond. Additionally, the accompanying spreadsheet summarizes the past several years of projects and the remaining Poor Streets.

The 2025-26 Fall recommendation is **West Martin Street with sidewalk and sidewalk on Swan Street from West Martin to Baum Street** (page 5 of the attached memo). The 2025-26 project will include street and drainage improvements on West Martin Street from US158 to Ninth Ave including a detached sidewalk along the north side of the right-of-way and a detached sidewalk on the west side of Swan Street from Martin street to Baum Street. The sidewalks are included in the recommendation as alternatives based on grant funding. Staff recommends applying for a grant that would include the entire sidewalk project in conjunction with the street project. Estimated cost of the project is \$792,000 for streets and \$496,000 for sidewalks for a total project cost of \$1,288,000.

Additionally, the recommendation for 2025-26 includes a **spring project** for pavement replacement along **West Ocean Acres Drive** from Gunas Drive to Burns Drive. The pavement in this area has fallen to poor condition. There is no drainage or waterline work proposed in the project. Total project cost for West Ocean Acres repaving is \$210,000.

The 2026-27 plan year includes **East and West First Street including detached sidewalks (page 6)**. The project includes waterline replacement and pavement resurfacing and drainage improvements. The detached sidewalk included on the westside is from Publix to Canal Drive connecting to the multi-use path and on the eastside is from US158 to NC12. Estimated project cost is \$1,562,000 (\$554,000 streets drainage, \$612,000 water funding, and \$396,000 sidewalk funding).

Page 2:
Street Recommendation

Staff recommends the forwarding the following to the Board of Commissioners with a favorable recommendation:

- The 2025-26 fall street recommendation for West Martin Street including sidewalks on Martin and Swan Street (grant dependent);
- The 2025-26 spring street recommendation for West Ocean Acres Drive;
- The 2026-27 Plan Year recommendation, East and West First Street including sidewalks.



September 17, 2024

The Kill Devil Hills Street Improvement and Special Projects Committee,
c/o Ms. Meredith Guns, Planning Director
Ms. Debora P. Diaz, Town Manager
P. O. Box 1719
Kill Devil Hills, NC 27948

By **e-mail**

Subject: **Project ID V23200 – 2025/26 (and beyond) Street/Drainage
Projects Recommendations**

Dear Committee Members, Ms. Diaz and Ms. Guns:

This is our annual update on your capital projects program and our recommendation looking forward. This year, it also includes a focus on Storm Drainage/Stormwater Management.

In the following points, we'll recap some recent accomplishments and note some other points that are influencing our thinking for the future.

What have we been doing since last meeting?

1. 2023 and 2024 have been productive years:

a. **2023-24 Project: Seminole, Indian, and Apache Streets:**

This project, which replaced the existing 6" asbestos-cement (AC) water main on Seminole south of West Third Street and Indian Drive, providing upgraded storm drainage/stormwater management for the entire length of Seminole, portions of Indian, and Apache Street from Indian to West Third, was an important continuation of the drainage improvements in the West Third area as well as resurfacing poor streets.

Approximately 1,800 linear feet of water main were replaced and approximately 2,500 linear feet of storm drainage improvements were constructed.

This project was completed in March 2024.

b. **2024-25 Project: Wrightsville Boulevard Phase 1 and 2:**

This project includes the portion of pavement replacement from Goddard Street south to Carolyn Drive. To improve stormwater drainage 30-inch "sock drain" is being installed. Approximately

60% of the water main is being upgraded from 2-inch pipes to 6-inch pipes to improve water service and quality in this area. The 30-inch “sock drain” is being installed from Goddard to E. Dean Street; 24-inch “sock drain” is being installed from E. Dean south to Neptune Drive; and 15-inch “sock drain” is being installed from Neptune to Carolyn Drive. The total cost for this project is \$4,032,500, of which \$2,850,000 is street and drainage funding and the remaining \$1,182,500 is water funding.

This project is expected to be completed in Spring 2025.

- c. **Southeast Area Watermain Replacement**: This project includes the 6- and 8-inch asbestos cement water mains on Neptune, E. Atlantic, E. Clark, and E. Baum streets. Sidewalk is being constructed on Neptune Drive near the intersection of Virginia Dare Trail. Roads would be patched in this area as the streets are mostly Fair 2 to Good and would be expected to be re-surfaced later in the Poor Streets upgrade program. The total cost for this project is \$964,750, of which \$9,750 is sidewalk funding and the remaining \$955,000 is water funding.

This project is expected to be completed in Spring 2025.

- d. **Other projects not tracked through the SISPC Process**: Although SISPC is not directly involved in these, several other capital projects have been recently completed or are under way:
- Work to restore and enhance Meekins Field, which had to be taken out of service for the Tank project, was completed. The splash pad, restroom building, and all other features were in use at the beginning of the 2024 summer season.
 - Sidewalk construction along the west side of US 158 between West Landing Drive and Colington Road was completed in the summer of 2023. Improvements included NCDOT completing and paying for a lengthening of the right turn lane onto Collington Road from US 158, incorporating design changes needed to complete the sidewalk project.

- The parking lot resurfacing at Aviation Park and paving of the 18 gravel parking spaces at the Oregon Avenue Beach Access were completed.

What are the goals and principles of our capital projects?

1. As we always note in these reports, our long-held goal of is to fix our Poor streets. Over the next few years, we expect to complete more and more resurfacing of streets and less total reconstruction, as we bring the older streets up to a more durable standard of construction. After that, streets will be resurfaced right when they need it; in other words, there won't be any more Poor streets, or they won't be on the Poor list very long. Street Condition Ratings were completed in 2023; the next time they will be completed is in 2027.
2. Another goal, as noted before, is the gradual replacement of asbestos-cement (AC) water mains throughout town. In the 2021 Water System Master Plan update, we included a multi-year recommended program in increments of about \$2 million at intervals of 2 or 3 years for AC main replacement, as well as considerable funding for above-ground work at our two water storage and pumping facilities. Future street and drainage projects will include looking for the opportunity to replace AC water mains at the same time, which is more cost effective and causes less overall disruption to residents. This "holistic" approach to improvement projects will be evident in subsequent portions of this report.

Especially over the last 17 years, we have made great progress in improving storm drainage and stormwater management in a number of areas. There are still many areas with drainage challenges. The 2015 project was a giant step on our ongoing Memorial Boulevard Backbone effort, and the Wrightsville project that is just beginning construction is the second part of that effort. Elsewhere, when we do a street project, we strive to include drainage work, using our "sock drain" strategy in most cases.

We also prepared a separate report, entitled "**Limited, Interim Update** to the Kill Devil Hills, NC **Master Stormwater Plan.**" It provides context for the potential projects for subsequent years.

3. Considering the goals noted above, we reiterate the following points made in previous year's reports, which lay out our strategic goals and

factors summarize what drives our recommendations with respect to future street and drainage projects:

- a. We recommend continuing to repair poor streets as noted below, as well as smaller-scale pedestrian projects and stormwater/drainage work.
- b. Fixing our Poor streets before they deteriorate to where a moderately-expensive overlay becomes an expensive reconstruction is just good stewardship. Your staff completed a re-inspection of Town-maintained road and streets in 2023. These inspections occur about every 5 years, with the next one due in 2027. The rating system is based on a point system, considering pavement condition and storm drainage service (or the lack of it). The rating categories are Excellent, Good, Fair1, Fair2, Fair3 and Poor. Before the 2017 rating, we only had about 2.6 miles of the Town's 63 miles of road in Poor Condition. Per the 2017 inspection, another 3.77 miles dropped to Poor, bringing the Poor total up to 6.4 miles. The work of the last several years, plus what will be completed this fall, has lowered the Poor street total to 3.20 miles, approximately half of the length in the last inspection.
- c. We have, as noted, been making great progress in renewing our Poor streets, and we still have done so in recent years. However, inflation has eroded our buying power significantly over the last couple of years. The Board of Commissioners has recognized this and supported increased funding levels in recent years. This inflationary trend has appeared to moderate but we need to be cognizant of the higher prices that remain so that we can make the best decisions for our residents.
- d. Even though we need to press hard on the core mission of repairing Poor streets, while doing so we should continue bringing drainage relief to problem areas and to move toward the very successful program of sock drain and roadside swales.
- e. Where feasible, we should combine road improvement, drainage improvement and water main replacement into one project. This "holistic" approach saves money and disturbs our citizens less.

- f. To continue with the progress made during the last 19 years in renewing our streets and improving our drainage systems, we will need to sustain levels of street and drainage funding at \$1.3 million to \$1.5 million per year, at least until we have all of our streets brought up to sound structural condition and provided with a proper stormwater management system. These recommended funding levels are over and above water system funding and sidewalk funding which may be applicable. For comparison's sake, once all of our poor streets have been brought to modern standards, all water lines have been replaced with modern materials and all areas have effective drainage installed, street maintenance will become essentially milling and overlaying 2.5 to 3 miles of street every year, about \$700,000 to \$775,000 at current prices.

What is recommended for the next two years?

With those guiding principles established, we offer the following project-specific recommendations on the attached spreadsheet. Let's consider the various portions of this spreadsheet:

Page 1: This contains the most important information. (The Seminole/Indian/Apache project awarded in 2023 and completed in 2024, and the currently-awarded Wrightsville Phase 1&2 and Southeast Area Water Improvements Projects are shown on Page 2 under Completed Projects.)

FY 2025-26: We recommend the design and bidding of both a Fall and Spring project.

The Fall project would be on West Martin Street from US 158 to 9th Avenue, including reconstruction of the pavement, addition of sidewalk from US 158 to Swan Street, and stormwater improvements along that same section. The pavement replacement section represents approximately 0.6 miles or 20% of the remaining poor-rated streets in the Town's inventory. Alternates to construct sidewalk along Swan Street and also the remainder of West Martin Street will be designed and their construction will be completed dependent on whether grant funding can be secured.

The Spring project would be mill-and-fill of Ocean Acres Drive from Gunas to Burns. This section of Ocean Acres Drive represents approximately 0.6 miles or 20% of the remaining poor-rated streets in the Town's inventory.

West Martin Street: This project includes the portion of pavement replacement from US 158 to 9th Avenue. West Martin Street would also be widened from US 158 to a point approximately halfway along the Walgreens parcel. 12-inch “sock drain” would be installed from US 158 to 9th Avenue. Sidewalk would be added from US 158 to Swan Street. Additional sidewalk will be designed from Swan Street to 9th Avenue and on Swan Street from West Martin to Baum Street. The Additional sidewalk will only be constructed if the Town is able to receive a construction grant. The total cost for this project is anticipated to be \$1,288,000, of which \$792,000 is street and drainage funding and the remaining \$496,000 is sidewalk funding.

Ocean Acres: This project includes the pavement replacement Gunas Drive to Burns Drive to facilitate the removal of Poor-rated streets from the Town’s inventory. The total cost for this project is anticipated to be \$210,000, all of which is street and drainage funding.

These projects should be given a high priority to further improve road conditions and improve stormwater drainage in the West Martin Street area.

FY 2026 and beyond: We are presenting you with a list of two projects that meet the requirements of this program and should be considered for completion in FY 2026-27 and FY 2027-2028. Before doing so, we reiterate that most of these include a specific amount of AC Water Main Replacement work, resulting in a “holistic” project that minimizes the number of times in a generation that we inconvenience a neighborhood and enables the Water Fund to share in some of the common costs, such as pavement patching and overlay, driveway reworks, etc. As noted above, this approach is also reflected in the current Water System Master Plan’s Capital Projects planning effort. Both projects include sidewalk connections between major signaled intersections on US 158 and Bay Avenue.

The order and timing of these projects will be influenced by the availability of funding, as determined by the Board of Commissioners.

FY 2026-27 E. First Street and W. First Street: This project will replace a total of 2,500 linear feet of asbestos cement water mains. While water work is being completed, approximately 3,000 linear feet of Fair2 and Fair3 rated streets can be resurfaced, preventing them from becoming Poor-rated at future street condition ratings. Small-diameter “sock drain” will be installed, helping to “manage” the groundwater elevations, so that dry sand

is able to soak up most of the runoff from a heavy, intense rain event. Approximately 3,500 linear feet of sidewalk will be constructed in this area to facilitate pedestrian movement and access. The estimated total cost of this project is **\$1,562,000**, of which \$554,000 is street and drainage funding; \$396,000 is sidewalk funding; and the remaining \$612,000 is water funding.

FY 2027-28 W. Fifth Street: This project will replace approximately 3,200 linear feet of asbestos water main from the Truist Bank parcel westward to Bay Avenue. While the water work is being completed, the street will be resurfaced, so that this Fair2-rated street will not become Poor in subsequent condition ratings. Approximately 2,900 linear feet of sidewalk will be constructed to allow pedestrians in this area to connect to the sidewalk on US 158. The estimated total cost of this project is **\$1,283,000**, of which \$256,000 is street and drainage funding; \$257,000 is sidewalk funding; and the remaining \$770,000 is water funding.

Potential projects that are located farther out than FY 2028 are listed below this section of the spreadsheet, including project construction lengths and anticipated costs in 2025 dollars.

Pages 2 through 4: This is a recap of the accomplishments of the last 18 years' projects. It is provided to help the Committee and others see our recommendation in its historical context.

Bottom of Page 4:

In the **Drainage Only** sections, we note past projects completed in the past 19 years.

In the block after that is a list of drainage projects still remaining from the Town's 2005 Multi-Year Drainage Plan.

In the final block, **POOR Streets Remaining**, we note the streets with a condition rating of 50 or lower, making them "Poor." This is a relatively short list, which will no doubt increase with the 2027 Street Inspection Report, as noted above. Those which are recommended to be done in this suggested capital improvements program are shaded with the color to match each year's recommendations.

Reference: - **2025/2026+ Street/Drainage Projects
Recommendations**

September 17, 2024

Page 8

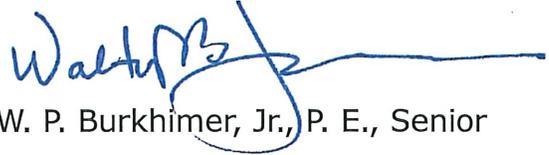
Thank you for your careful consideration of our recommendations. We'll see you at the September 23, 2024 SISPC meeting, at 12:30 p.m. in the Board of Commissioners' Meeting Room.

Very truly yours,

AMERICAN ENGINEERING ASSOCIATES, P.A .



Patrick W. Lewis, P.E, ENV SP
Consultant



W. P. Burkheimer, Jr., P. E., Senior

Cc: Mr. Steve Albright, Public Services Director
Ms. Meredith Guns, Planning Director

KILL DEVIL HILLS -- Street and Drainage Improvements Recommendations

September 17, 2024

Presented to the KDH Street Improvement and Special Projects Committee on September 20, 2024

American Engineering Associates

NOTE: Costs listed are in 2025-2026 Dollars to compare magnitude of future projects to current projects.

FY 2025-26 FALL					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
W. Martin St									
US 158 to 9th Ave - Pavement Replacement	Poor	50.0	2,900	3" overlay and sidewalk (CG 250')	\$498	\$294	\$496	\$0	\$1,288
US 158 to Swan St - Sidewalk			1,300	Sidewalk, 250' C&G and Storm		\$50	\$140		\$190
Widening from US 158 to midway thru Walgreens			200		\$150				\$150
			1,200	12" HDPE Adj to SW and low point		\$240			\$240
Alternate A - Sidewalk on Swan St, from W Martin St north to Baum St			1,700	Sidewalk, 250' C&G and Storm		\$4	\$183		\$187
Alternate B - Sidewalk on W Martin St, from Swan St to Ninth Ave			1,600	Sidewalk, 250' C&G and Storm			\$173		\$173
					Street & Drainage Funding Required (Total above, minus WM & SW): \$792				
FY 2025-26 SPRING					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
Ocean Acres									
Ocean Acres Dr, Gunas to Burns - Mill and Fill	Poor	45.6	3,000	2" mill-and-fill	\$210	\$0	\$0	\$0	\$210
					Street & Drainage Funding Required (Total above, minus WM): \$210				
FY 2026-27					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
E. First St and W. First St.									
US 158 to Canal Dr (W) - SW			2,400	Sidewalk	\$354	\$200	\$396	\$612	\$1,562
Canal Dr (E) to Canal Dr (W) - Mill and Fill	Fair2	64.4	1,950				\$216		\$216
Canal Dr (E) to Canal Dr (W) - WM			1,850	Replace 6" AC WM	\$234			\$446	\$446
US 158 to VA Dare Trail	Fair3	58.0	1,000	Sidewalk, C&G, Storm, 1.5" M & F	\$120	\$200	\$180		\$500
Princess Anne Rd to VA Dare Trail - WM			690	Replace 6" AC WM				\$166	\$166
					Street & Drainage Funding Required (Total above, minus WM & SW): \$554				
FY 2027-28					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
W. Fifth St									
W. of Trust Bank to Bay Ave - SW			2,850	Sidewalk	\$256	\$0	\$257	\$770	\$1,283
US 158 to Bay Ave - WM			3,200	Replace 6" AC WM				\$257	\$257
US 158 to Bay Ave - Mill and Fill	Fair 2	71.8	3,200	Mill and Fill	\$256			\$770	\$770
					Street & Drainage Funding Required (Total above, minus WM and SW): \$256				

Potential Projects for Subsequent Years are Presented Below In No Particular Priority Order.
Their Order May Be Influenced By the Results of the 2027 Street Condition Ratings

					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
Southeast Virginia Dare Shores									
Total Length			7,350		\$0	\$798		\$2,559	\$3,358
US 158, Sportsman to Hayman			1,690	Replace 6" AC WM with PVC				\$473	\$473
Palmetto St, US 158 to Lee	Excellent	92.4	1,230	6" AC WM to PVC; 12" sock		\$135		\$372	\$507
Eden St, US 158 to Lee	Good	87.2	1,230	6" AC WM to PVC; 12" sock		\$135		\$345	\$480
Aycock St, US 158 to Lee	Good	83.8	1,230	6" AC WM to PVC; 12" sock		\$135		\$345	\$480
Walker St, US 158 to Lee	Good	90.2	1,230	6" AC WM to PVC; 12" sock		\$135		\$345	\$480
Archdale St, US 158 to Lee	Good	87.8	1,230	6" AC WM to PVC		\$77		\$345	\$422
Lee Avenue, Bickett to Archdale	Excellent	91.8	1,200	6" AC WM to PVC; 15" sock		\$180		\$336	\$516
			0	0.00 miles Poor					
Good cross-cut patches; no overlay with this projec					Street & Drainage Funding Required (Total above, minus WM): \$798				
					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
W Sportsman Drive/W Avalon Drive									
W Sportsman, replace AC WM, 12" sock	Poor	46.0	6,097	6" PVC WM, tie to Avalon @ 407	\$1,064	\$761		\$1,455	\$3,280
W Avalon, replace AC WM, 15" sock	Fair1	71.7	2,997	replace AC WM with PVC	\$599	\$359		\$720	\$1,678
			2,997	0.57 miles Poor	\$465	\$402		\$735	\$1,602
Likely split into two separate projects, or W Avalon bid as alternate.					Street & Drainage Funding Required (Total above, minus WM): \$1,825				
					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
	Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total
Clamshell Dr & Cross Streets									
Total Length			46		\$983	\$782		\$2,297	\$4,062
Clamshell, 200' S of Seminole to Sioux	Fair1	74.1	820	6" AC to PVC, 12" sock	\$111	\$90		\$230	\$431
Clamshell, Upper Dune to Bay	Fair1	74.1	1,030	6" AC to PVC, 12"/15" sock	\$139	\$129		\$289	\$556
Clamshell, remainder	Fair1	74.1	1,230	6" AC to PVC	\$166			\$345	\$511
Seminole, W Third to Clamshell	Fair1	80.4	520	2" PVC to 6" PVC, 12" sock	\$70	\$57		\$146	\$273
Sioux, W Third to Indian	Fair1	75.1	920	12" sock, tie old eye @ 1707	\$124	\$101		\$258	\$483
Wyandotte, W Third to Indian	Fair2	70	920	2" PVC to 6" PVC, 12" sock	\$124	\$101		\$258	\$483
Upper Dune, W Third to Indian	Excellent	94.2	920	2" to 6" PVC N 400', 12" sock		\$101		\$258	\$359
Virginia, W Third to Indian	Fair2	68.4	920	2" PVC to 6" PVC, 12" sock	\$124	\$101		\$258	\$483
Sunset, W Third to Indian	Fair1	72.4	920	2" to 6" PVC S 600', 12" sock	\$124	\$101		\$258	\$483
			0	0.00 miles Poor					
Probably don't overlay Upper Dune if still Good or better.					Street & Drainage Funding Required (Total above, minus WM): \$1,765				

KILL DEVIL HILLS -- Street and Drainage Improvements Recommendations

September 17, 2024

					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total	
Delray Beach									
Total Length		5,010		\$349	\$340		\$812	\$1,502	
US 158, N of Second St to First St			Extend 24"/18" Sock		\$228			\$228	
Princess Ann Rd, Camellia to Sacond	Good	87.0		\$85	\$77		\$198	\$358	
Sir Walter Rd, E Landing to Second	Good	89.6		\$180			\$560	\$740	
E Landing Dr, US 158 to NC12	Good	81.6		\$85	\$35		\$58	\$176	
Yardarm Dr, E Landing to S end	Fair1	79.8	Repl 6"AC SW-NC12; thin OL	\$34	\$52		\$108	\$193	
Cove Court, E Landing to Yardarm	Good	63.8		\$68			\$210	\$278	
		<u>750</u>							
		0	0.00 miles Poor-ish						
Thin Overlay, all Town streets (most rebuilt or overlaid 2006)				Street & Drainage Funding Required (Total above, minus WM): \$689					
					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total	
Ocean Acres									
Total Length		10,467		\$1,338	\$236		\$2,480	\$4,064	
Ocean Acres Dr, US 158 to Gunas	Fair2	77.4		\$42			\$84	\$126	
Burns Dr, Ocean Acres to Ocean Acres	Poor	33.4		\$44	\$175		\$750	\$1,369	
Ocean Acres Dr, Burns to end of pvmnt	Fair1	78.2		\$84			\$158	\$240	
Ocean Acres Dr., end pvmnt to Wood Duck Ln	gravel			\$181			\$564		
Gunas Dr, OA to Bell	Fair3	53.4		\$265			\$494	\$759	
Harrington Ave, Gunas to Burns	Fair/Good	73/85		\$92				\$92	
Bell Ave, Lake to Burns	Fair3	57.4		\$83	\$81		\$187	\$311	
Copley Dr, OA to OA	Fair2	65.4		\$147			\$275	\$422	
		<u>9,802</u>	1.82 miles Poor-ish						
				Street & Drainage Funding Required (Total above, minus WM): \$1,574					
					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total	
West Avalon neighborhood (excl. W Avalon, W Sportsman, E and W Durham)									
Total Length		18,900							
Suffolk St	Fair3	59.8							
Dock Street	Poor	26.6							
W Durham St, NNews to 30' E of Bay	Fair3	52							
Elizabeth City St	Fair3	58							
Norfolk St	Fair1	75.8							
Newport News St	Fair1	79.8							
Smithfield St	Fair3	58							
Franklin St	Good	82.8							
Yorktown St	Fair2	62							
Highview St	Fair3	56.4							
Phoebus St	Fair2	68.4							
Hampton St	Fair2	61.4							
Portsmouth St	Fair1	73.8							
Edenton St	Fair3	57.7							
		<u>2,850</u>	0.54 miles Poor-ish						
				Costs for this far-future project are estimated to be approximately \$6 million.					
					Preliminary Cost (Including design and construction administration. All costs in \$000.)				
Condition	Rating	Length	Comments	Street	Drainage	Sidewalk	WM	Total	
Wright Street									
US 158 to Virginia Dare Trl - Mill and Fill	Fair2	66.2	2" mill-and-fill	\$120	\$0	\$0	\$0	\$120	
				\$120				\$120	
				Street & Drainage Funding Required (Total above, minus WM): \$120					

Blocks Below Summarize Previous Years' Projects

Note: Older project printed small to save space; more recent ones larger on next page.

FY 2024-25 A: Wrightsville Blvd Phase 1				Poor Streets Fixed This Season: 2,970 ft		Cumulative Length, Poor Streets Fixed
Condition (2022 Rating)	Rating	Length	Status/Comments			
Goddard to Boundary; overlay, 30" sock drain; upgrade 60% of WM	Poor	46.0	2,970	Constuction to begin Fall 2024		78,765
			<u>2,970</u>	0.56 miles Poor		14.92 miles
FY 2024-25 B: Wrightsville Blvd Phase 2				Poor Streets Fixed This Season: 2,370 ft		Cumulative Length, Poor Streets Fixed
Condition (2022 Rating)	Rating	Length	Status/Comments			
Boundary to Carolyn; overlay, 30" and 24" sock drain; upgrade 50% of WM	Poor	46.0	2,370	Constuction to begin Fall 2024		75,795
			<u>2,370</u>	0.45 miles Poor		14.38 miles
FY 2024-25 C: Southeast Area WM				Poor Streets Fixed This Season: 940 ft		Cumulative Length, Poor Streets Fixed
Condition (2022 Rating)	Rating	Length	Status/Comments			
Neptune Drive, replace AC WM, 6"	Fair3	57.4	940	Constuction to begin Fall 2024		73,425
E Atlantic Street, replace AC WM, 8"	Good	81.4	940	Constuction to begin Fall 2024		13.91 miles
E Clark Street, replace AC WM, 8"	Fair1	73.4	950	Constuction to begin Fall 2024		
E Baum Street, replace AC WM, 6"	Fair2	61.0	590	Constuction to begin Fall 2024		
			<u>940</u>	0.18 miles Poor-ish		
FY 2023-24: Seminole St, Indian Dr & Apache St (drainage)				Poor Streets Fixed This Season: 2,090 ft		Cumulative Length, Poor Streets Fixed
Condition (2022 Rating)	Rating	Length	Status/Comments			
Indian Dr (Seminole-Apache), St, Dr, WM	Fair3	58.0	1,160			72,485
Seminole St (W Third-Indian) St, Dr, WM	Poor	38.0	930			13.73 miles
Apache St, (Indian - W Third), drainage only			930			
			<u>2,090</u>	0.40 miles Poor-ish		
FY 2022-23: W. Durham, US 158, and W. Fifth Street				Poor Streets Fixed This Season: 760 ft		Cumulative Length, Poor Streets Fixed
Condition (2022 Rating)	Rating	Length	Status/Comments			
US 158 Drainage (W Third-W Durham)				pipe ditch w/36" & 30"; 6" PVC WM	1,830 LF of drainage replaced	70,395
W Durham St (US 158-Newport News St)	Fair3	52.0	760	18"/15" sock		13.33 miles
			<u>760</u>	0.14 miles Poor-ish		
FY 2021-22: West Third Street				Poor Streets Fixed This Season: 3,781 ft		Cumulative Length, Poor Streets Fixed
Condition (2017 Rating)	Rating	Length	Status/Comments			
W Third St (US 158 to Bay Drive)						69,635
drainage, overlay, WM, SW (158-Creek)	Poor	43.3	1,194			13.19 miles
drainage, overlay, WM, SW (Creek-Bay)	Fair3	58.6	2,587			
			<u>3,781</u>	0.72 miles Poor-ish		

KILL DEVIL HILLS -- Street and Drainage Improvements Recommendations

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Previous Years' Projects (continued from previous page)

FY 2020-21: Fall and Spring Bid Packages					Cumulative Length, Poor Streets Fixed
Condition (2017 Rating)	Rating	Length	Status/Comments		
<p>First Flight Village 3 / Landings 3</p> <p>Cedar Dr, Captains La&Cir, Teakwood Ln F3 - Poor 48.0 3,460</p> <p>Helga, Briggs, 4th, Martin, Dean</p> <p>Briggs St Poor 47.8 1,030</p> <p>East Helga St Poor 53.0 1,340 narrow width after water project</p> <p>East Fourth St Fair1 74.0 200 bad drainage @ intersection</p> <p>East Martin St Poor 50.1 900 22 w of Memorial</p> <p>East Dean St Poor 50.0 300 0.06 miles Poor</p> <p>7,030 1.33 miles Poor</p>					65,854 12.47 miles
<p>FY 2019-20: Hayman / Town Hall / Sixth</p> <p>Hayman Blvd & Plymouth Ave</p> <p>Hayman Cir W to Bay; drainage; overlay Poor 43.0 3,260</p> <p>Plymouth Ave, overlay Poor 39.4 180</p> <p>Sixth Avenue & Town Hall Drive</p> <p>Town Hall Dr, overlay; drain Poor 45.4 1,030</p> <p>Sixth Av (Airstrip to Baum), overlay & drain Poor 46.6 1,340 overlay fabric</p> <p>5,810 1.10 miles Poor</p>					58,824 11.14 miles
<p>FY 2018-19: Whispering Pines</p> <p>Pine Gove Trail</p> <p>Quail Lane Poor 42.0 3,160</p> <p>Goldie Street Fair3 56.4 150</p> <p>Harrington Lane (Burns to Pine Grove) Poor 38.3 510</p> <p>Shay Street (Quail to Dean) Poor 41.0 320</p> <p>Pine Cone Court Fair3 54.0 180</p> <p>Pine Needle Court Poor 42.3 180</p> <p>Heather Lane Poor 46.0 320</p> <p>6,990 1.32 miles Poor</p>					53,014 10.04 miles
<p>FY 2017-18: Bay Drive Multi-Use Path, Phases 3 & 4</p> <p>Canal Dr, W First to Indian Good 81.0 1,325</p> <p>Bay, Indian to Avalon Fair3 58.2 4,275</p> <p>4,275 0.81 miles Poor-ish</p>					46,024 8.72 miles
<p>FY 2016-17: Clark/Blue Jay St, Mustian St, Carlton Ave, Cooke Pl, Anchor Ct, Schooner Ct</p> <p>W Clark Street Poor 48.0 1,398 begin Dec 16, complete Apr 17</p> <p>Blue Jay Street Poor 48.0 401 begin Dec 16, complete Apr 17</p> <p>Mustian Street Poor 43.8 1,625 begin Dec 16, complete Apr 17</p> <p>W Carlton Ave Poor 43.8 401</p> <p>Cooke Place Poor 42.0 252 begin Dec 16, complete Apr 17</p> <p>Anchor Court Fair3 44.4 200 begin Dec 16, complete Apr 17</p> <p>Schooner Court Fair3 58.4 200 begin Dec 16, complete Apr 17</p> <p>3,963 0.75 miles Poor</p>					41,749 7.91 miles
<p>FY 2015-16: Northwest Area, Phase 3, Wrightsville, Memorial, Sioux Drainage and E & W Eighth</p> <p>Memorial Blvd. (Baum - halfway to Corrigan) Poor 37.4 200</p> <p>Wrightsville Blvd (Eighth to north enc) Poor 38.6 738</p> <p>Cameron Street Fair3 45.4 1,865</p> <p>Susan Drive Poor 48.4 1,160</p> <p>E Eighth Street Fair3 54.6 1,025 Nags Head 50% share: \$0</p> <p>W Eighth St Fair2 67.0 1,417 Nags Head 50% share: \$100</p> <p>4,988 0.94 miles Poor</p>					37,788 7.16 miles
<p>FY 2014-16 Project: N KShores</p> <p>Memorial Blvd. (Wright-Woodmere) Poor 29.2 1,965</p> <p>Memorial Blvd. (48" pipe replacing ex. culverts) Poor 29.2 1,080' is part of 1,965'</p> <p>Avialton Avenue Excellent 95.6 550</p> <p>Pinehurst Avenue Fair1 73.6 550</p> <p>Sutton Avenue Good 81.4 550</p> <p>Carlow Avenue Good 90.8 550</p> <p>Raleigh Avenue Fair2 68.4 945 158 to NC12</p> <p>Baker Avenue Excellent 95.6 550</p> <p>Ferris Avenue Fair1 71.2 550</p> <p>2,910 0.55 miles Poor</p>					32,798 6.21 miles
<p>FY 2013-14 Project: NW Area 2</p> <p>Nixonton Street Poor 42.0 1,039</p> <p>Bath Street Poor 40.4 948</p> <p>Mary Hill Court Poor 46.0 367</p> <p>Columbia Avenue Poor 37.4 777</p> <p>Jean Court Poor 46.0 374</p> <p>Shiloh Street Poor 42.0 1,159</p> <p>Truxton Street Poor 50.0 890</p> <p>Wilkinson St (Columbia to 158' Fair1 73.0 725</p> <p>Palmetto St (Lee to Bath)(Alternate?) Poor 22.0 529</p> <p>6,083 1.15 miles Poor</p>					29,888 5.66 miles
<p>Spring FY 2012-13 Projects</p> <p>Bay Drive Multi-Use Path, Phase 2 Condition</p> <p>Bay Drive (Avalon to Wilkinson) Good 86.2 2,555 full reconst., first 2 blocks</p> <p>Bay Drive (Wilkinson to Nixonton) Poor 41.7 415 overlay</p> <p>Raymond Ave (Arch to Town Line) Fair 3 54.0 600</p> <p>1,015 0.19 miles Poor</p>					23,805 4.51 miles
<p>Fall FY 2012-13 Project</p> <p>Parkwood Area (road reconstruction & drainage) Condition</p> <p>Parkwood Dr Poor 50.4 1,352 full reconstruction</p> <p>Maple Ct Fair 2 70.0 223 overlay</p> <p>Myrtle Ct Poor 48.4 227 overlay</p> <p>Elm Ct Fair 3 62.4 245 overlay</p> <p>Telegraph Ct Fair 3 52.4 400 overlay</p> <p>2,224 0.42 miles Poor-ish</p>					22,790 4.32 miles
<p>Spring FY 2011-12 Project</p> <p>Pirates Loop Poor 47.0 709 full reconstruction; grade change</p> <p>Coral Drive Poor 48.4 302 full reconstruction</p> <p>Harpoon Drive Poor 48.4 241 overlay</p> <p>1,252 0.24 miles Poor</p>					20,566 3.9 miles
<p>Fall FY 2011-2012 Project</p> <p>SW AREA (Ocean Acres) Stormwater, Phase 2 Condition</p> <p>Ocean Acres Drive Fair3 59.0 3,050 1.5" Overlay only</p> <p>Ocean Acres Drive Poor 49.0 800 2" Overlay only</p> <p>Burns Drive Fair3 60.4 900 stormwater only</p> <p>Harrington Ave (Burns-Gunns) Fair2 67.0 250 stormwater only</p> <p>Gunns Drive Fair1 75.0 700 stormwater only</p> <p>Copley Drive Fair1 77.0 400 stormwater only</p> <p>Jones Court Poor 43.0 150 2" Overlay only</p> <p>Adjust WM and remove 9 "jumpers</p> <p>850 0.18 miles Poor</p>					19,314 3.66 miles

KILL DEVIL HILLS -- Street and Drainage Improvements Recommendations

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Previous Years' Projects (continued from previous page)

				Poor Streets Fixed This Season: 0 ft	Cumulative Length, Poor Streets Fixed
Street	(2007 rating) Condition	Length	Status/Comments		
2010-11 Project					
Phase 1A completed, stormwater only, on urgent basis					
Ocean Acres Dr (158 to Copley W)	Fair3	59.0	2,800 Stormwater infiltration only		18,364
Harrington Lane (OA to Burns)	Good	89.0	250 Stormwater infiltration only		3.48 miles
Bell Avenue (OA to Burns)	Fair1	71.0	250 Stormwater infiltration only		
Gunas Dr (portion n of OA)	Fair1	75.0	135 Stormwater infiltration only		
Burns Dr (short portions)	Fair3	59.0	220 Stormwater infiltration only		
		0	0.00 miles Poor		
2009-10 Project					
Poor Streets Fixed This Season: 2,362 ft					
W First St (Canal to Ketch)	Poor	50.6	566 w/MP Trail; Complete		18,364
W First St (Ketch to Landing)	Excellent	97.1	1,764 w/MP Trail; Complete		3.48 miles
W First St (Landing to south end)	Poor	46.1	1,796 w/MP Trail; Complete		
		2,362	0.45 miles Poor		
2008-09 Project					
Poor Streets Fixed This Season: 6,482 ft					
St. Louis St (Susan to Bay)	Poor	41.4	1,426 Completed		16,002
Wallace St (Susan to Lee)	Poor	22.6	717 Completed		3.03 miles
Truxton St (Lee to Bay)	Poor	43.8	744 Completed		
Wilkinson St (Lee to Bay)	Poor	44.4	1,253 Completed		
Lee Ave (Wilkinson to Cameron)	Fair3	54.0	2,342 Completed		
Palmetto St (Lee to Bath)	Poor	22.0	529 No Award Winter 08, built 2014		
(also listed Drainage Only below)			Complete; New Bem Street portion not awarded Winter 08		
		6,482			
2007-08 Project					
Poor Streets Fixed This Season: 2,350 ft					
Bay Dr (Nixonton to Town Line)	Poor	2,350	Includes Multi-Purpose Trail		9,520
Bay Dr (Hayman to Nixonton)(Drainage)	Good	1,300	Drainage only; future trail		1.8 miles
Various Drainage Projects	(also listed Drainage Only below)				
		2,350			
2007 Spring Project					
Poor Streets Fixed This Season: 3,520 ft					
Seagate Ct	Poor	100	Completed		7,170
Sea Village La	Poor	500	Completed		1.36 miles
Sea Wing Ct	Poor	100	Completed		
Raymond Ave (Wilkinson to Arch)	Poor	1,625	Completed		
Raymond Ave (Arch to Town Line)	Fair 3	600	No Award Spring 07, built 2011		
E. Chowan St (NC 12 to Raymond)	Poor	595	Completed		
E. Sothel St (NC 12 to Raymond)	Poor	600	Completed		
		3,520			
2006 Fall Project					
Poor Streets Fixed This Season: 3,650 ft					
Sir Waller Rd	Poor	1,920	Completed		3,650
Princess Anne Dr (Camellia to First)	Poor	720	Completed		.69 miles
Camellia Dr (Sir Waller to Princess Anne)	Poor	350	Completed		
East Landing Dr (Cove to US 158)	Poor	660	Completed; overlay		
		3,650			
2006 Spring Project					
Poor Streets Fixed This Season: 380 ft					
West Baum St	Unimproved	600	No Award Spring 05, Fall 05, Spring 06		780
W. Fresh Pond/ W. Lake Drive Connector	Poor	380	Completed		.15 miles
Creek St (Third to Indian)	Drainage	600	Completed		
Cardinal St (800 Block)	Drainage	425	Completed		
		380	0.07 miles Poor		
2005 Fall Project					
Poor Streets Fixed This Season: 400 ft					
Eighth Ave (Martin to Airstrip)	Semi-improved	450	Completed		400
Ninth Ave (Martin to Airstrip)	Poor	400	Completed		.08 miles
Culvert repairs	Not applicable		Completed		
		400	0.08 miles Poor		

Drainage Only Areas Completed

(per Albemarle & Associates 2005 Multiyear Drainage Plan & Public Services' Post-Dorian Plan)

Street or Area	Nature of Problem	Status/Comments
06-07, East Avalon, Phase 1	Residential property Flooding	Avalon Street ONLY, not whole project; Completed Fall 06
07-08, Cardinal St	Residential property Flooding	Completed Spring 06
07-08, Creek St	Residential property Flooding	Completed Spring 06
07-08, Cedar Dr	Residential property Flooding	Completed Spring 06
06-07, East Avalon, Phase 2	Residential property Flooding	Completed Winter 07-08
Second St / Princess Anne Dr	Residential property Flooding	Completed Winter 07-08
Martin St / Blue Jay St	Commercial property flooding	Completed Winter 07-08
Baum St / Memorial Ave	Falling CMP, roadway damage	Completed Winter 07-08
East Fresh Pond Dr	Residential property Flooding	Completed Winter 07-08
East Holly St	Open ditch; safety issues	Completed Winter 07-08
08-09, East Avalon, Phase 3	Residential property Flooding	Completed Winter 08-09, except New Bem St
10-11, Southwest Area, Phase 1A	Residential property Flooding	Completed Summer 10
10-11, Southwest Area, Phase 2	Residential property Flooding	Completed Fall 11
14-15, NKHS, Memorial Ditch Phase 1	Falling CMP; develop backbone	Completed Spring 15
15-16, Sioux Street Drainage	Residential property Flooding	Completed Winter 15-16; owners provided easements
18-19, Quail La / Shay / Dean S	Residential property Flooding	Completed w/Whispering Pines Project, 2019
22-23, US 158 - W Third, W Durham	Res. property Flooding upstream	Completed w/Durham&Croatan project Spring 2023
24-25, Wrightsville Blvd, Phases 1 & 2	Res. property Flooding upstream	Project under contract as of summer 2024, completion spring 2025
07-08, denotes Plan Year (FY) per Albemarle & Assoc. 2005 Multiyear Drainage Plan		

Drainage Only Areas Remaining

Assoc. 2005 Multiyear Drainage Plan & Public Services' Post-Dorian Plan)

Street or Area	Nature of Problem	Status/Comments
Memorial Ave Ditch, Phases 2 & 3	Flooding (Phase 1 done 14-15)	Wrightsville Blvd parallel route, U/C 24-25, will complete this work (future "drainage only" projects unlikely, instead holistic with street/water efforts. Piping of open sections of Memorial ditch likely, may be integrated with pedestrian path development).

POOR Streets Remaining

(after completion of 2024/25 project)

Street	Condition	Length	Type (Collector or Local Access)
In "Poor Streets Remaining," streets highlighted with the following colors of shading are recommended on the first page for the following Fiscal Year:			
		FY 2025-2026	
		FY 2028-2027	
		FY 2027-2026 & beyond	
Streets in BOLD TYPE below dropped to "Poor" with 2022 Rating			
RANDOM ST (Concrete)	Poor	512	LA
W. SPORTSMAN DR	Poor	2,997	LA
DOCK ST (Concrete)	Poor	549	LA
SEALOFF CT	Poor	135	LA
W. ST. CLAIR ST	Poor	435	LA
W. MARTIN ST	Poor	3,106	C
W. OCEAN ACRES DR	Poor	3,000	LA
MEMORIAL BLVD (1228 S to Martin)	Poor	1,540	C
BURNS DR	Poor	3,660	LA
PROSPECT AVE	Poor	981	C
Poor (2022) Streets After 24-25 Project	3.20 miles	16,915 ft	
(added to "Poor" list with 2022 Rating)	0.88 miles	4,657 ft	