



THE BEAUTIFICATION COMMITTEE

PRESENTS:

**A MASTER PLAN FOR THE
LAKE PARK CORRIDOR**

INCLUDED ARE:

**RECOMMENDED PROJECTS FROM ALL
COUNCIL APPOINTED COMMITTEES**

OUR GOALS

Carolina Beach is a fabulous town with amazing amenities to offer stakeholders and visitors. Improve the Lake Park Blvd corridor to be more aesthetically appealing, safe and pedestrian friendly.

Combined Council Appointed Committees present the following ideas and goals for consideration, feasibility, and implementation:

- Implement a realistic and strategically planned timeline in coordination with NCDOT repaving of Lake Park Blvd and Centennial Celebrations, scheduled for 2025.
- Budgetary line item annually for maintenance of all projects at minimum of ten years.
- Budgetary line item annually for continuation of beautification projects.
- Budgetary line item annually for continuation to completion of all other listed CAC projects presented here.
- Complete projects in manageable phases and time frames and finish for CENTENNIAL.
- Prepare a nursery area with donations from NCWF Island Wildlife Chapter with donated plants and trees through CB Trash Walkers.
- Work with requisite state, county, municipal organizations & stakeholders.
- **Transform the major corridor of Carolina Beach** to a walkable, engaging, beautiful and safe experience, connecting all sections of the Lake Park thoroughfare.
- Use indigenous and other species that are prolific drought and salt resistant plants.
- Propagate perennials annually as a resource for constant and continued beautification and species maintenance.

Funding and Implementation

IMPLEMENTATION & RESEARCH

- NCDOT has a beautification plan - engage
- Get NCDOT permission - encroachment agreement
- Discuss with Keith Groves NCDOT Div.3, Roadside Environmental Engineer regarding the NCDOT supplying trees/shrubbery/plants with town care agreement of plantings. Requires planting plan in place and application to the NCDOT "Landscape Enhancement Program".
- Bring in Duke Energy to verify placement allowance
- Bring in AT&T to verify placement allowance
- Bring in the Town of Carolina Beach Public Works & Utilities regarding location of water/sewer and storm water lines for placement allowance
- Establish who will be doing the plantings
- Establish who will be purchasing the trees/plants
- Town Resources will be recommended for care and maintenance of all improvements.
- Will need landscape architecture plan drawings for ALL submissions to NCDOT for approval.

FUNDING

- Work in Conjunction with Pleasure Island Habitat, Friends of the Carolina Beach Parks & Greenways and Island Wildlife, and other 501c(3) groups for fundraising
- Grants - to be written by town staff and possibly engage an independent grant writer, Barbara Robinson
- Approach businesses/property owners to consider splitting costs of trees with town
- **See last page of this report for other funding, grant, and support avenues.**

Master Beautification Plan for the Lake Park Corridor

**Committee Feedback Section
From a Joint Meeting Held on
August 17, 2022 Regarding the Proposed
NCDOT 2025 Lake Park Blvd. Paving Project**

Bike-Ped Committee: Request that NCDOT stripe a Bike Lane along S. Lake Park from Charlotte Ave. to Carolina Sands Dr.

-Subject to NCDOT Approval **SEE: Pages: 38-40**

-No Cost to Town, part of NCDOT roadway striping plan

Centennial Committee (CB 100, 1925 – 2025):

-Wants a nod to the Centennial on the NCDOT “Welcome to Carolina Beach” sign on the north side of Snow’s Cut Bridge, subject to Council and NCDOT Approval

-Addition of Centennial Logo on street banners and historic street designation (Maureen will be presenting their full plan to Council in January)

Marketing Committee: Would like to see the Marketing Logo added to the NCDOT “Welcome to Carolina Beach” sign on the north side of Snow’s Cut Bridge and/or included somewhere within The Plan that would be beneficial to our tourism industry

-Subject to Council and NCDOT Approval

- **Operations Advisory Committee:** Butch LeCompte
 - **The three high level submitted ideas are:**
 1. Decorative bike racks for enhancing the natural transition from parking & bicycling, to walking safely in the CBD .
 2. The creation of safety bump-outs at intersections on Lake Park Blvd between Harper Blvd and Charlotte Avenue. And eliminating street front parking on the blocks where Havana's and El Cazador are on one side & The Dive and Shuckin Shack are on the other side.
 3. Signage at hamlet avenue on both sides of lake park and at each beach access street along Carolina Beach Avenue South to direct bicyclists to use CBAS as an alternate safety bike route instead of lake park Blvd Where it could be considered dangerous to bike next to lake park especially around the curve of the CB Lake. (I cross - verified this with Ricky Neic, the chairman of bike/Ped in advance .. that they would be supportive of this and not interpret this as contrary or distracting from their own 'ask' to stripe a bike/pedestrian aisle on the west side of lake from Charlotte Ave to Carolina Sands (pending DOT feedback).
 4. 25 MPH Lake park Idea Removed as a submission.
 - Note: For the slide describing where the bump-outs might be, you will see 3/4 round corner bump/outs at cape fear and lake and trapezoidal bump-out at Raleigh and lake as well as Harper and lake to address the smaller scale and space availability there.
- SEE Pages 27-37**
- . (See pp 27-37)

Parks & Recreation Committee:

-Would like to see updated plantings on the Lake Park Blvd. side of Carolina Beach Lake

-Would like decorative fencing along the Lake Park Blvd. side of Carolina Beach Lake

-Consider utilization of their Bench and Swing Program along the corridor when executing The Plan

Planning & Zoning: Suggests to follow the Town's Landscaping Guidelines when planning for the beautification improvements along the corridor

Police Advisory: Suggests the project follow good safety practices for placing trees, plants, benches, etc.

-Suggests the use of something other than palms in some of the areas shown for trees, concerned with maintenance & upkeep

Beautification: multiple small phased projects to bring natural beauty and communal functionality to the Lake Park Corridor. To include: native perennial and annual plantings and benches, game tables, and communal rest areas. See pages 8-26. **SEE Pages 8-26**

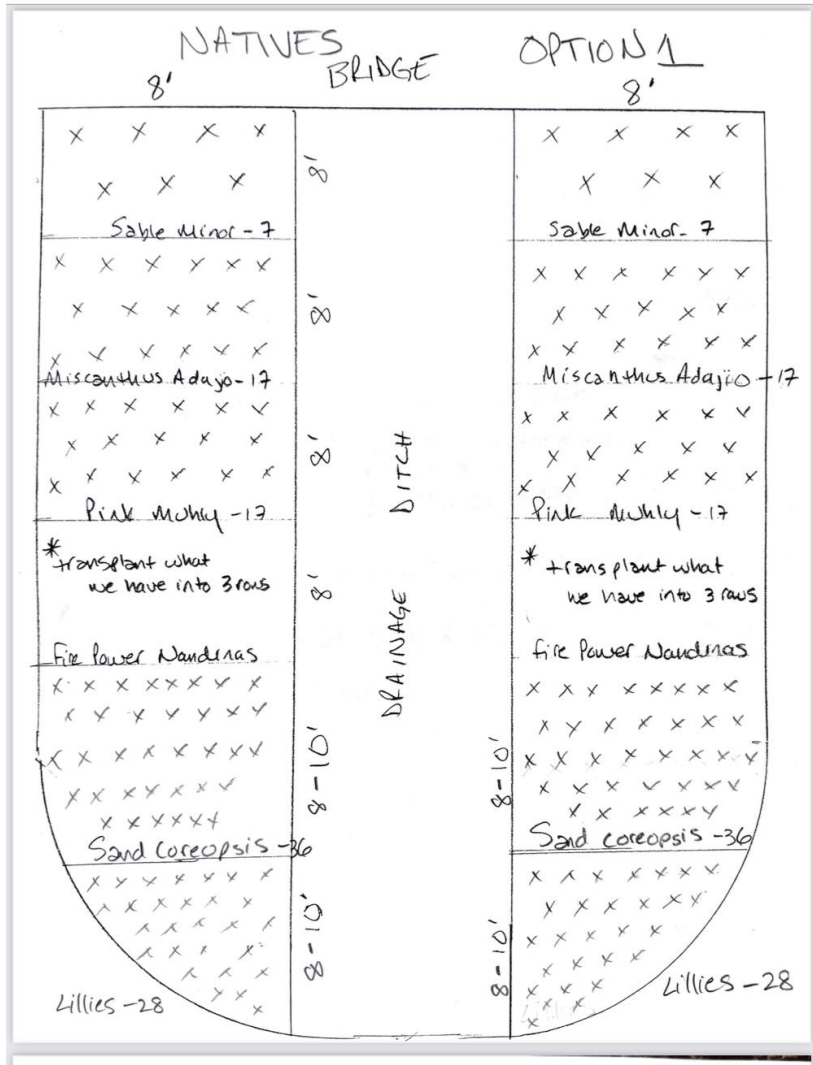
Phase 1A GATEWAY TO CAROLINA BEACH PLANTINGS

Green on calendars

- **Fall 2022**
- Plant the area north of the bridge down the center.
- Move MURAL PROJECT “Welcome to Carolina Beach” sign to south west corner of Lake Park and Dow Road. Include lighting for sign.
- Presented: landscape architecture plan drawings for GATEWAY to NCDOT for approval.
- NEW NCDOT Carolina Beach sign and bed planting on west right of way.
- Native drought resistant perennials to minimize maintenance.
- Town has NCDOT permission to plant this area if town maintains.
- ADVANTAGES: Planting perennials gives the ability to propagate annually and plant more throughout town at almost no cost.
- These types of flowers and grasses will attract butterfly species that are in danger like the Monarch.

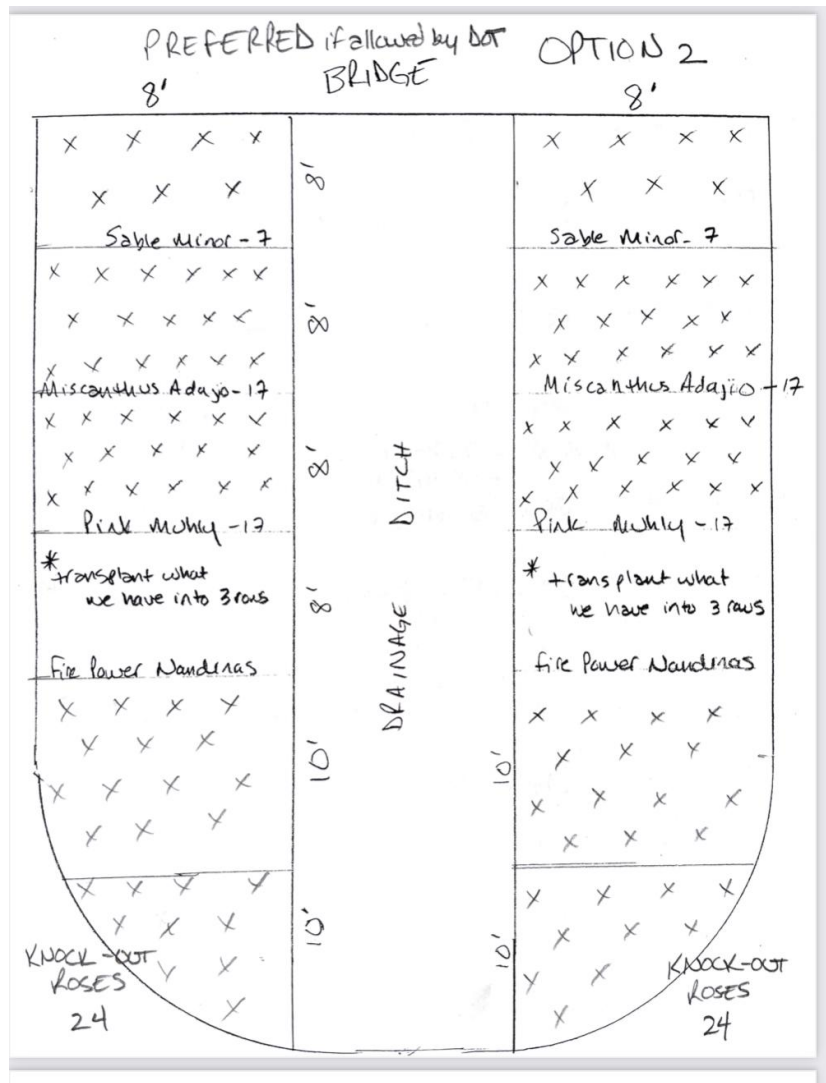
This image shows plants in two rows as an example of planting while considering drainage. See next three slides for landscape design and costs. Note: NCDOT requires native plants and trees per their list online.





OPTION 1

Sable minor	- 3 gallon @ 31.50 x 14 =	\$ 441.00
Miscanthus Adajio	- 3 gallon @ 9.95 x 34 =	338.30
Pink Muhly	- 3 gallon @ 10.95 x 34 =	372.30
Fire Power Nandinas	- FREE - transplant	
	Allow for 10 extra plants for fill in -	
	3 gallon @ 12.75 =	127.50
Sand Coreopsis	- 1 gallon @ 5.00 x 72 =	360.00
Lillies	- 1 gallon @ 4.95 x 56 =	277.20
Topsoil	- 5 yds @ 30/yd	150.00
Mulch	- 25 yd @ 8 yards	200.00
Supplies + Plants Total		2248.30
Watering required every day for <u>10</u> days - <u>minimum</u>		



OPTION 2

Sable minor - 3 gallon @ 31.50 x 14 = \$ 441.00

Miscanthus Adagio - 3 gallon @ 9.95 x 34 = 338.30

Pink Muhly - 3 gallon @ 10.95 x 34 = 372.30

Fire Power Nandinas - FREE - transplant
Allow for 10 extra plants for fill in -
3 gallon @ 12.35 = 127.50

Knock out roses - 3 gallon @ 15.50 x 48 = 744.00

Topsoil - 5 yds 30/yd 150.00

Mulch - \$25/yd x 8 yds 200.00

Supplant Plants Total 2373.10

Watering required every day for 10 days -
Minimum

Prep - use Side Cutter - rental cost \$150/day \$150
 Need - 1 day

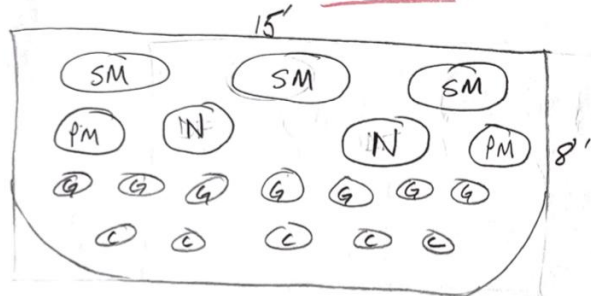
Watering: every other day for 10 days to establish

Maintenance: cut back grasses annually - January

Topsoil/soil needed: 5 yds topsoil @ \$30/yard = \$150 - (already accounted for)

NCWF Island Wildlife Chapter will donate plants and volunteers for this section of the project, after town removes grass.

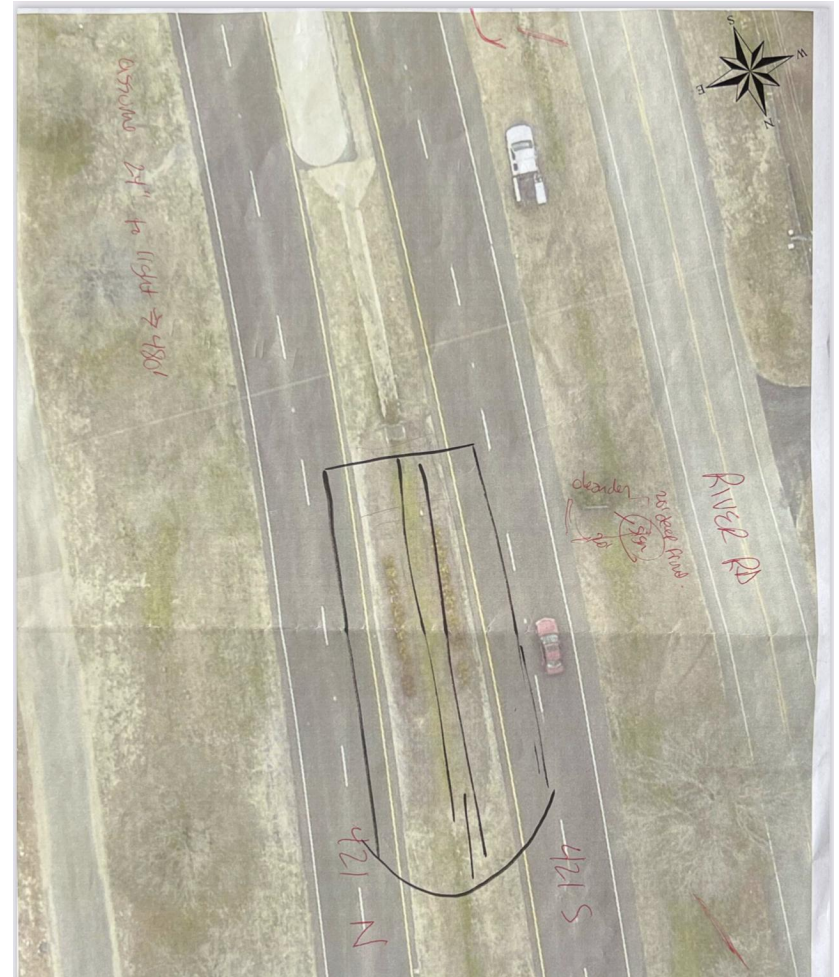
Area front of town sign -



- 3 sable minor @ 31.50 ea → 94.50
- 2 Pink monkey @ 10.95 ea → 21.90
- 2 fire Nardina @ 12.75 ea → 25.50
- 7 perennial Gallardia
 @ \$7 each → 49.00
- 5 sand coreopsis
 @ \$5 each → 25.00

\$ 215.90

Area front of Gateway sign -



Phase 1B Plant along Dow Rd to Elton Ave.

Purple on calendars NCWF Island Wildlife Chapter offered help for 1B, in conjunction with Carolina Beach Trash Walkers, who have earned free plants and trees due to their clean up efforts, so the town can focus on Part 1C.

- Fall 2022
- Plant: west side of the road going south at Dow Road between Bridge Barrier and Elton to match the plantings at the corners of Dow Rd and N. Lake Park at the light. **Plant Cost: \$2000**
- ADVANTAGES: Planting perennials gives the ability to propagate annually and plant more throughout town at almost no cost.
- These types of flowers and grasses will attract butterfly species that are in danger like the Monarch.



Phase 1C Light at Dow Rd & N Lake Park - add trees to concrete medians. 2 PHASES **Yellow** & **Red** on calendars

- **Spring 2023**
- Plant 15 Sable Minor Palm trees (native trees per NCDOT) in the concrete medians south of the Dow Rd/Lake Park intersection in a 3 across by 5 deep pattern.
- Speed limits allow this.
- **Proposed:**
- NCDOT approval for project to cut appropriate square planting holes.
- Speed limit here allows for trees in median.
- Irrigation of area has been discussed.
- Suggest Palm Trees here to minimize overhang and keep visibility clear.
- Monkey Grass or other type grass at base of trees for low maintenance.



Phase 1D Create communal areas in CBD **Orange on Calendars**

- **Winter 2022-2023 - Benches and tables Spring 2023 - Tree plantings**
- **Proposed: PROMOTE A SENSE OF COMMUNITY**

Make the CBD beautiful, approachable, communal, and peaceful.

USE: Benches, trees, game tables and perennial long-flowering drought-resistant plants will transform the defined streetscapes where setbacks allow. Tree bases with thick lilies or grasses at the bases will provide shade and greenery without hiding signage for businesses. Benches and tables will offer more communal areas for shoppers to gather, rest, or enjoy our downtown. Possibility of widening the sidewalks in the CBD. These additions will draw people for fireworks viewing and to our businesses.

A. Place benches (with flipping backs) and trees in the grassy area on the east side of N Lake Park between Cape Fear Blvd and Charlotte.

B. Add benches (with flipping backs) on both sides of Cape Fear Blvd, between N Lake Park Blvd and Canal Drive.

Benches and Palm Trees between the street lights.

Benches should have backs so people can choose which way to face. People can gather for fireworks and music, coffee, quick breakfasts, food pickup, and rest from shopping. Use controlled height grass types around the Palm Trees to reduce maintenance.

Phase 1D COMMUNAL AREAS in CBD: Before and After Image mock-ups

NOTE: In NCDOT areas ONLY NATIVE SPECIES allowed. In Privately owned areas, any species allowed. Only the Sable Minor Palm (smaller) is considered an NC native.



Phase 1E *Plantings past median to St. Joseph Street*

Complete tree planting on N. Lake Park Blvd to St. Joseph St. in conjunction with property owners/businesses.

Early 2023 to end 2023 (possibly in conjunction with The Proximity project)

- Will request a simple agreement with an owner or business to plant on their property and, if needed, an agreement with NCDOT if planting on their property. May need an easement with Duke Energy as well.
- See referenced idea photos here and at end of report..

Proposed:

Palm / Indigenous / low growth (height) trees to keep visibility, walkways, roadways, electrical lines, business signage and overhang controlled. **NOTE: In NCDOT areas ONLY NATIVE SPECIES allowed. In Privately owned areas, any species allowed. Only the Sable Minor Palm (smaller) is considered an NC native of the Palms.**

Minimum height dense grasses and maximum flowering, minimum care species to add visual interest and celebrate our green areas between businesses.



PHASE 1A

GREEN -

Plant north side of bridge median

PHASE 1B

PURPLE -

Plant Dow Road to Elton Ave.

2022 SEPTEMBER						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

PLANT NORTH OF BRIDGE

2022 OCTOBER						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

PLANT DOW ROAD

NOVEMBER 2022						
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17			
21	22	23	24	25	26	27
28	29	30				

PREP ISLAND FOR HOLIDAY SEASON

DECEMBER 2022						
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
			1	2	3	4
5	6	7	8	9	10	11
18	19	20	21	22	23	24
25	26	27	28	29	30	31

PHASE 1D
ORANGE -
 Bench
 building &
 placement

PHASE 1C
RED -
 Tree
 Planting

PHASE 1C
YELLOW -
 Digging,
 concrete
 prep, tree
 ordering

JANUARY 2023						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY 2023						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

PREP CONCRETE IN MEDIANS FOR TREES
BUILD AND PLACE BENCHES / TABLES IN TOWN

MARCH 2023						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL 2023						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

**PLANT TREES IN MEDIANS
 AND IN CBD AFTER 4/15 FROST
 DANGER**

Additional before/after images for Phase 1E

NOTE: In NCDOT areas ONLY NATIVE SPECIES allowed. In Privately owned areas, any species allowed. Only the Sable Minor Palm (smaller) is considered an NC native of the Palms.



Additional before/after images for Phase 1E

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Phase 2

Winter 2023 - Spring 2024

Tree Planting and beautification between St. Joseph St. and the Carolina Beach Lake Park at Atlanta Ave.

- Winter 2023 - Spring 2024
- In conjunction with property owners/businesses and NCDOT approval.
- Funding from sources identified in this report.

Phase 3 Fall 2024

South end of Carolina Beach Lake Park to Carolina Sands entrance

Tree planting and establishment of a bike or walking path between the South End of the Carolina Beach Lake Park and the entrance of Carolina Sands at Carolina Sands Drive, on the west side of South Lake Park Boulevard. Bike/Ped Committee is requesting NCDOT to stripe a Bike Lane between mid point of the lake and south or just south of the lake and Carolina Sands. They have been working with NCDOT Complete Streets Program and the WMPO.

- Fall 2024
- In conjunction with area businesses, the Town's Bike & Pedestrian and Operations Advisory Committees, subject to the Town and NCDOT approval.
- Will require a discussion of removing 7 parking spaces on the west side of South Lake Park Blvd.
- Will involve cooperation with NCDOT.
- Will require a much more involved effort to implement.
- Time frame allows for planning and discussion.
- Needed for safety for pedestrians to navigate these businesses and this area on bicycles and on foot.

Phase 4 2024 - 2025

South of Carolina Sands Drive to Alabama Ave.

- Work in conjunction with affected property owners, the Town and the Town's Bike/Ped and Operations Advisory Committees, and the WMPO, to request implementation and installation by NCDOT of sidewalk/bike path and tree plantings on the west side of S. Lake Park Blvd within the already established setbacks.
- Include tree plantings and benches
- Include perennial plantings
- Needed for bike and pedestrian safety on this main thoroughfare.
- Raise funds for tree plantings to be identified on the east side of S. Lake Park Boulevard, with NCDOT support and approval.

Tree and Planting Needs Suggestions:

KONIGEEHRE 20 Gallon Tree Watering Bags, Reusable, Heavy Duty, Slow Release Water Bags for Trees, Premium PVC Tree Drip Irrigation Bags. 5 for \$54.99 Bags will need to be filled every two days, if two bags per tree, every four days. Will need a water truck (town has???) Irrigation has been discussed as an option at TRC.

Water Bladders need to be used on trucks to water trees or fill watering bags. Can be found at Farmers Supply.

Palm trees planted in spring after April 15, all other trees can be planted in fall.

SPECIES SUGGESTIONS FOR TREE APPLICATIONS: Trees to be less than 15' in height full grown.

Need trees with good roots, small root balls that don't spread too much, salt and drought tolerant.

Little Gem Magnolia:

evergreen, can be trimmed, need less water than palms, good size

Sable Minor Palms / Palmetto:

evergreen, require a lot of water first year, Fitness Tree does 1 year warranty, excellent root ball size

Vitex Chaste Tree::

Deciduous - good size, flowers summer

Yaupon Holly:

evergreen, salt and drought tolerant, fall planting, winter red berries

Sweet Bay Magnolia:

evergreen year only losing some leaves. White flowers May-June

Crepe Myrtles:

Deciduous - flowering spring through fall. White, lavender, red, or pink flowers



Little Gem.



Sable Minor Palm.



Vitex Chaste Tree



Yaupon Holly



Sweet Bay Magnolia



Crepe Myrtle

SPECIES SUGGESTIONS FOR PLANTS AND GRASSES APPLICATIONS:

Prolific bloomers, drought and salt resistant, thick growing to force out weeds, can be mowed and weed whacked and recover. Most of THESE PERENNIALS, once established, can be split and used to propagate new plants at ZERO COST, excluding the worker effort

- Stella D'oro Day Lillies:** choose reblooming, comes in yellow, red, purple, pink. Can be divided and propagated
- Gallardia:** reblooming red/yellow. Drought & salt tolerant. Grows wild here.
- Pink Muhly Grass:** Autumn bloom, salt tolerant, 3-4' W&H, dry to moist, cut back, butterflies
- Little Blue Stem Grass:** Autumn color change blue to orange, salt tolerant, 2-4' W&H, cut back, butterfly
- Sand Coreopsis:** Spring - summer continuous blooms, salt tolerant, sun, 1-2' W&H
- Purple Cone Flower:(orange?)** bloom July-September, drought & slightly salt tolerant, good for median/road
- Black Eyed Susan:** bloom Summer to Autumn, drought and slightly salt tolerant, good for median/road.
- Blue Wild Indigo:** Spring bloom, dry soil, low salt tolerant, good for median/roadways and not beach



Black Eyed Susan & Purple Cone Flower



Stella D'oro

Gallardia

Pink Muhly Grass

Little Blue Stem Grass

Sand Coreopsis

Blue Wild Indigo

FUNDING & PROJECT HELP RESOURCES AND IDEAS TO CONSIDER

[Grants for Gardens and More - New Hanover County Arboretum - NC Cooperative Extension and Arboretum - New Hanover County Arboretum - North Carolina \(nhcgov.com\)](#)

Verizon Community outreach

[Five Grants to Fund Your Community Green Space - Nature Sacred](#)

- National Park Service Community Assistance in Conservation and Recreation Grants. ...
- [Apply for Conservation or Outdoor Recreation Community Assistance - Rivers, Trails, and Conservation Assistance Program \(U.S. National Park Service\) \(nps.gov\)](#)
- [NC Wildlife Federation](#)
- [NC State Extension Service in Wilmington](#)
- Scotts Miracle Gro Gro1000 Grants. ...
- [ScottsMiracle-Gro: Our commitment - Gro More Good. \(scottsmiraclegro.com\)](#)
- National Association of Realtors; Placemaking Micro Grant.
- [Placemaking Grant \(nar.realtor\)](#)
- Home Depot Foundation Community Impact Grants.
- [The Home Depot | The Home Depot Foundation - Team Depot Community](#)
- Any Bank especially local, Real Estate Companies and Cape Fear Realtors.
- Lloyd at the Arboretum
- Island Men, Island Women
- Pleasure Island Habitat
- **Communal agreements with Private Property owners for care and permission of plantings**
- **Possible sponsorship effort for planting areas with plaques/recognition.**
- **Advertising campaign with sponsors throughout the time period until the Bicentennial Celebration.**

TOWN OF CAROLINA BEACH OPERATIONS ADVISORY COMMITTEE

**2025 Lake Park Blvd. Re-Paving Project
Complimentary Projects Submission**
Operations Advisory / MMTP "Carolina Beach in Motion"



Summary

Created: October 10, 2021

Updated: October 05, 2022

BIKE SAFETY ROUTE – CB SOUTH

Two Signs on either side of Lake Park Blvd. @ Hamlet Avenue Designating a Recommended Alternate Safe Bike Route.

Features Safety Within Lower Traffic Carolina Beach Avenue South than is experienced on Lake Park Blvd. Around the Carolina Beach Lake Area.

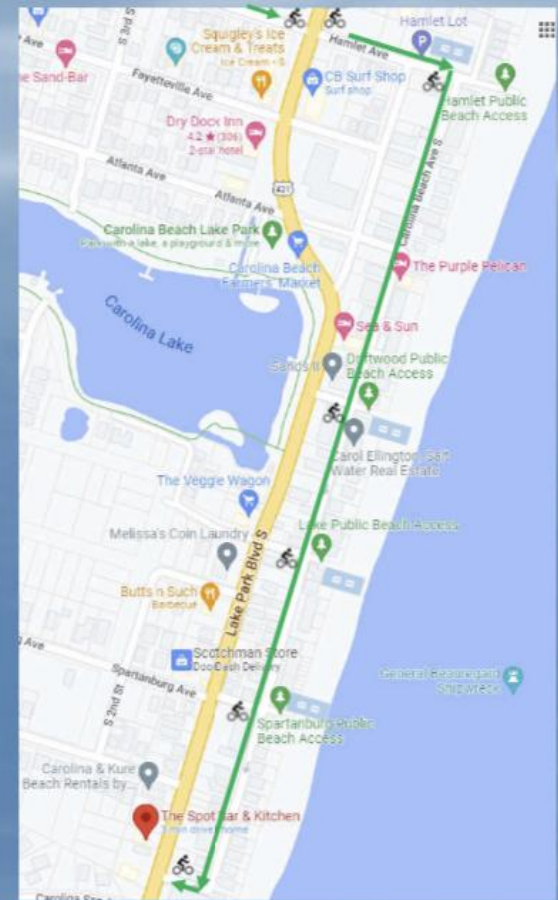
Between Hamlet Ave. & Greenville Ave.

Signs Marking Safe Bike Route @

- Hamlet Avenue. Beach Access.
- Atlanta Avenue Beach Access.
- Driftwood Lane. Beach Access.
- Lake Drive Beach Access.
- Spartanburg Avenue Beach Access.
- Carolina Beach Avenue South Street End @ Lake Park Blvd.

* All Beach Accesses have existing Bike Racks to support Bike Route.

- B = Bicycle Rack
- F = 15 Minute Food Delivery/Pickup Space
- H = Handicap Space
- G = Golf Cart Space
- M = Motorcycle / Scooter Space



LAKE PARK @ THE CENTRAL BUSINESS DISTRICT

41 Relocated Spaces @Lake Park
 Between Harper and Cape Fear Blvd
 Create safety Bump-Outs on both sides of street.

**Features Increased Safety for Foot Traffic,
 Storefront Visibility, Improve Streetscape.**

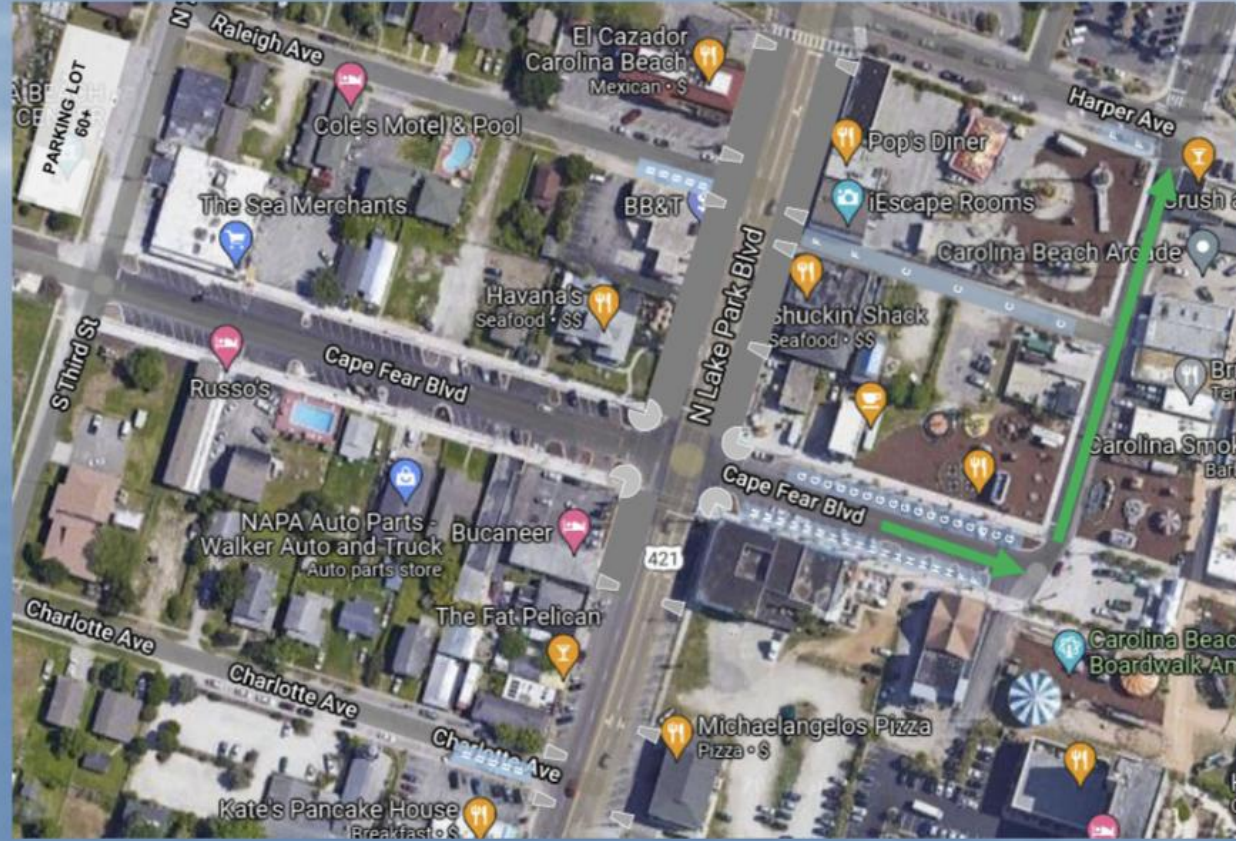
188 Spaces within 1-2 blocks of CBD
-41 Spaces converted along Lake Park
147 Net New Spaces

+80 Spaces @ Harper Ave - Median 3rd & 5th.
+72 Spaces @ Old Library - 3rd & Cape Fear.
+36 @ Hamlet → Fayetteville (26 auto / 10 Golf)

+40-60 Bike Capacity @ Raleigh & Charlotte

- 11-13 Bump-outs**
- ~ 300 Linear Ft.
 - Avg \$3k per Bump-out.
 - \$5 Linear/Ft.
 - Connective Curbing Add'l.

- B = Bicycle Rack
- F = 15 Minute Food Delivery/Pickup Space
- H = Handicap Space
- G = Golf Cart Space
- M = Motorcycle / Scooter Space



DESIGN ALTERNATIVE 1: LAKE & CAPE FEAR EXAMPLE

FEATURES:

- SAFETY CORNER BUMP-OUTS
- BEAUTIFIES 'MAIN-STREET'
- MAINTAINS BICYCLE SAFETY BUFFER
- EMPHASIZED CROSSWALKS

BENEFITS:

- SAFETY FIRST IMAGE
- PLEASING STREETScape
- PEDESTRIAN FRIENDLY
- ECONOMICAL SOLUTION



DESIGN ALTERNATIVE VISUAL

FEATURES:

- SAFETY CORNER BUMP-OUTS
- BEAUTIFIES 'MAIN-STREET'
- EMPHASIZED CROSSWALKS

BENEFITS:

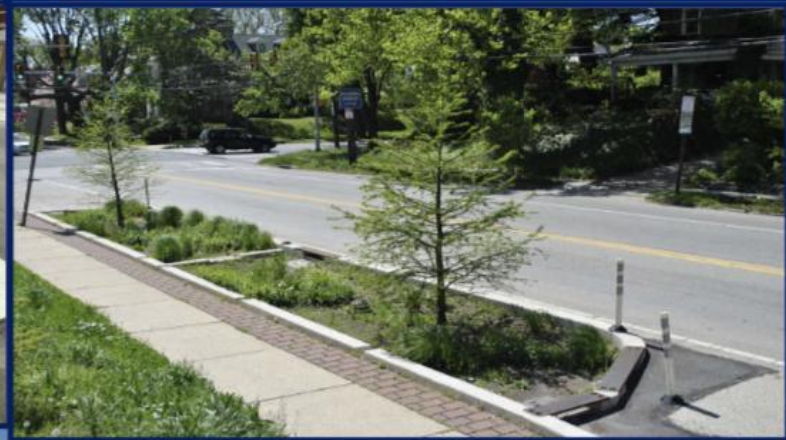
- SAFETY FIRST IMAGE
- PLEASING STREETScape
- PEDESTRIAN FRIENDLY
- ECONOMICAL SOLUTION



DESIGN ALTERNATIVE VISUAL FEATURES:

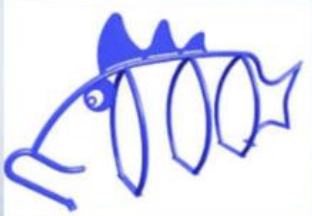
FEATURES:

- NO PARKING - PEDESTRIAN SAFETY ZONE
- STRATEGIC SAFETY BUMP-OUTS
- BEAUTIFIES 'MAIN-STREET'
- DECORATIVE BICYCLE RACKS
- TRANSITION SAFELY FROM BIKE → PED @

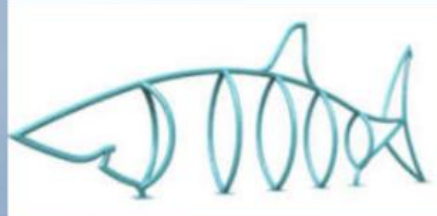


DECORATIVE BIKE RACKS

CBD Area Bike Racks



Happy Bass
122" x 56" 10 Bikes



Shark
177" x 57" 10 Bikes



Fish
170" x 51" 10 Bikes



Alligator
272" x 52" 14 Bikes



Shark Safe Rack
133" x 58" 14 Bikes

Charlotte & Lake @ Kates Pancakes

Raleigh & Lake @ Truist Bank

CAPE FEAR & 3RD STREET PARKING LOT

Convert 20 Existing Straight Style Spaces to 72+ Angled Modern Style Spaces.

Features:

Parking 1 Block away from CBD.

Moving Parking 1 Block from Amenity:

- Relieves Congestion on Lake Park.
- Reduces need to 'hunt' for parking in CBD.
- Puts drivers' eyes back on pedestrians and bicyclists, increasing safety.

Room for expansion of 32 more spaces in the future using the 'junk' lot adjacent to the Water Storage Tank.



HAMLET → FAYETTEVILLE PASS-THRU LOT

Current Lot is an Equipment/Junk use.

36 Total New Spaces

26 Auto Angled Spaces

10 Parallel Golf Cart Spaces

Beautify Lot to New Lot Standards.

Features:

Parking 1 Block away from CBD.

Moving Parking 1 Block from Amenity:

- Relieves Congestion on Lake Park.
- Reduces need to 'hunt' for parking at CB Lake.
- Puts drivers' eyes back on pedestrians and bicyclists, increasing safety.



KEY OBJECTIVES & BENEFITS - NEW PARKING

New Parking on Town Owned Property.

Objective: Provide significant 188 New Parking Spaces at least 1 block from CBD. Relieve congestion on Lake Park. Improve Safety for Pedestrian and Bicyclists.

Functional Benefit(s):

- Add Significant Net New Parking for the Town of Carolina Beach 1 block from CBD, relieving congestion and improving safety.
- Establish parking consistent with Parking Lot Standards and with inexpensive and flexible future use as alternative uses present themselves.
- Add significant annual Parking Revenue that can and should be designated for future Town Amenities and Quality of Life Features.
- Strategic Contingency for inevitable loss of Private Parking Options at CBD and Ocean Front Areas.
- Strategy Enables Funding Approach for Delivering Beach Amenities called for by CAMA Requirements and The Adopted 2020 Land Use Plan.

Financial Benefits:

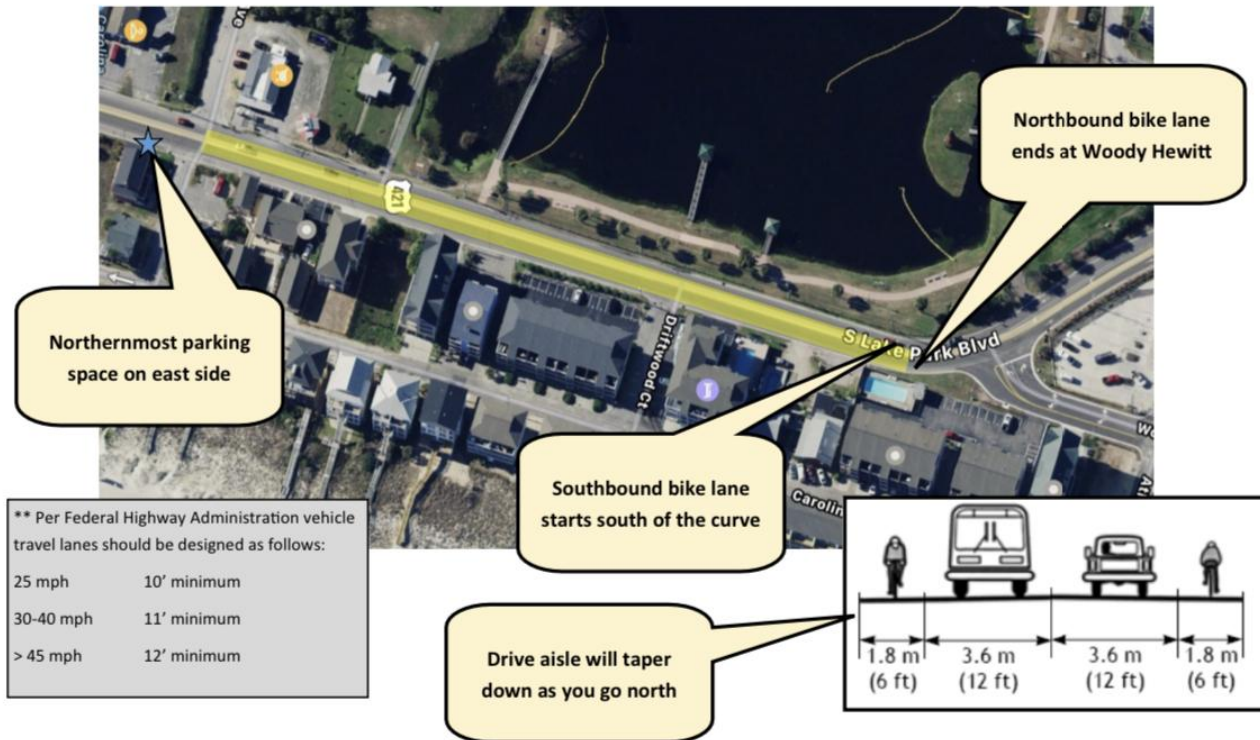
- **\$424,227.64 new Parking Revenue.** \$2256.53 per space yearly revenue. (188 new spaces X \$2256.53)
- **** 33% Future Parking Revenue (\$140,409.21)** could be rationalized to fund future CBD Area Improvements benefiting residents, businesses and visitors.
- New Lots conform to Parking Lot Standards. Lot Borders, Shrubbery to Beautify, Trash Receptacles, Parking Blocks for Angled Parking, Crush & Run Surface.
- 1st Year Revenue ROI offsets expenses of establishing new parking areas and maintenance.

Historical Facts:

- **2021 Total Annual Parking Revenue: \$2,144,144.26** = (\$1,450,692.19 Lot Spaces Revenue + \$693,452.07 Metered Spaces).
- **# of Town Owned Spaces 946** = (539 Lot + 407 Metered)
- **Town Owed Space Average Annual Revenue \$2256.53.**

Lake Park Blvd - South
Woody Hewitt Ave - Lake Ave
 ROW 40' - 32' wide

- Re-stripe to add bike lanes
- On this section there are no parking spaces on either side of Lake Park



Lake Park Blvd - South
Sidewalk Improvements at CB Lake
ROW 40' - 32' wide

- Improve sidewalk where the CB Lake Greenway meets Lake Park Blvd
- Cut curb and add ramp for bike access from northbound bike lane
- Extend sidewalk and add ramp for merging bike access to southbound bike lane



Extend sidewalk as far south as possible

Before



After



Lake Park Blvd - Bike Lane Extension

Carolina Sands Drive - Lake Ave

ROW 45' wide

- Remove west side parking (7 spots)
- Retain east side parking (25-27 spots)
- Re-stripe to add bike lanes

