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SECTION 1 – EXECUTIVE SUMMARY

The Town of Southern Shores retained SEPI Engineering and Construction, Inc. (SEPI) to perform a Pavement Condition Survey on the Town's Street system and develop maintenance recommendations for treatments on each street. The Town also wanted recommendations for Capital Improvement Plan funding options.

SEPI conducted a visual pavement condition survey in March and April and one hundred-sixty-three (163) street segments were created and evaluated. The SEPI staff performed the pavement condition survey of the town streets by collecting distress data in accordance with FHWA-RD-03-031, Distress Identification Manual for the Long-Term Pavement Performance Project (June 2003)

The assessment of the Town's streets found that 12% of the Town's Street network is in Excellent condition, 15% is in Good condition and 73% is in Fair condition. No roads sections were rated as Poor or Failed.

Consequently, most of the Town's Street system falls into the average category and is well suited for overlays and mill and fill operations with limited structural deficiencies that will require reconstruction. To accomplish the goals of improving the overall condition of Town roads, SEPI recommends a mix of rehabilitation and preventative maintenance activities. SEPI has developed 2 Capital Improvement Plan (CIP) Options for 2 budgetary levels.

Option 1 (\$675K) includes work on 38 miles of road and improves the system from approximately 27% Good/Excellent to 53% Good/Excellent. This improvement mostly comes from the conversion of fair roads to good. Some fair fall into Poor (20%) with this option at the end of the plan due to a funding shortfall.

Option 2 includes work on 57 miles of road and improves the system to 99% Good/Excellent. A similar approach as Option 1 is utilized but the increased budget allows for more extensive rehabilitation and a resulting higher performance.

SECTION 2 – INTRODUCTION

2.1 PAVEMENT MANAGEMENT SYSTEM

A municipality's pavement network allows residents and commerce to move from place to place, provides for efficient response time during emergencies, and offers safe bus routes to get children to school. Paved roads are often a municipality's primary mode of transportation. For this reason, maintaining and preserving the condition of the pavement should be a top priority.

What is a pavement management system? A pavement management system is a long-term, formalized approach to gathering information about a municipality's roadway network. The system is used to measure a municipality's entire road network, evaluate its road conditions, and log this data in a comprehensive database. The data is then analyzed and used to develop several important tracking metrics, including the average Pavement Condition Index (PCI). The backlog of needs is expressed in both miles and dollars. The idea is to take a comprehensive, long-range view of a municipality's roadway assets. Decision makers then can use the data to make informed roadway repair and maintenance decisions, prioritizing work to ensure the best return on investment.

When used effectively, a pavement management system is a cost-effective tool for improving pavement conditions and maximizing the limited roadway repair and reinvestment dollars available to municipalities (see Figure 1 below). A pavement management system can also help to build a case for additional funding for roadway infrastructure. The SEPI Team developed this report to assist Southern Shores staff to build a pavement management system that provides the level of service desired by the Town.

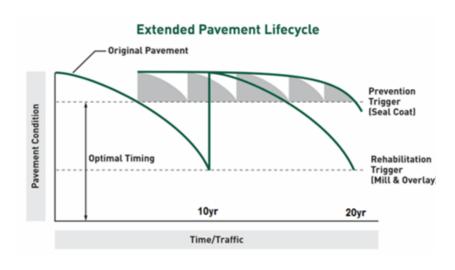


Figure 2

Figure 1 above demonstrates how pavement deteriorates over time to the point rehabilitation is necessary at a high cost. However, if treated earlier and more frequently in its life, pavement condition is maintained at a higher level and less expensive cost overall.

2.2 PAVEMENT CONDITION SURVEY

In March 2021 the Town of Southern Shores retained SEPI to perform a Pavement Condition Survey on the Town's Street system and to develop pavement maintenance treatment options along with the associated estimated treatment costs. Town staff indicated that no previous pavement condition study results were available for historical or comparative purposes.

In accordance with the latest Town Powell Bill map, the Town of Southern Shores maintains approximately 37 miles of paved and unpaved roadways. The Town's roadway network predominantly serves residential and rental (tourist) traffic along with some heavy-duty trucks such as delivery, sanitation, and construction vehicles. The Town provided SEPI with a list of streets and SEPI conducted a visual pavement condition survey in April and May of 2021. Our condition assessment included collecting street properties i.e., street name, to/from descriptions, block number, length, width, type of pavement, whether sidewalks or curb and gutter were present and asphalt pavement distresses. There was also an element to evaluate a parking area and walking path along NC 12.

2.3 PAVEMENT CONDITION SURVEY METHODOLOGY

SEPI's pavement management system utilizes observed distresses collected in accordance with FHWA-RD-03-031, Distress Identification Manual for the Long-Term Pavement Performance Project (June 2003), and ASTM D6433-18 for calculating a pavement condition index (PCI). Each street segment is ridden and observed for the following pavement distresses: fatigue cracking, transverse cracking, block cracking, reflective cracking, rutting and roughness, raveling and oxidation, and potholes and patching. Each distress level is measured for severity and extent according to the LTPP Method for conducting a Pavement Condition Survey (distress definitions are included in Section 2.4). The quantity of a distress type at each severity level is used to determine deduct values for each distress type and severity level combination. This is done by assessing the quantity and severity of a distress against deduct value curves for each distress/severity. Examples of deduct value curves can be found in ASTM D6433-18. The result is a deduction in PCI value for each distress and an overall PCI value for each road segment.

The data from the observations on the rated streets is entered into SEPI's pavement management program which generates a Pavement Condition Index (PCI) for each street segment. Streets are listed based on Pavement Condition Index (PCI) assigned as the "SEPI PCI" attribute within the database. Figure 2 represents the numerical ranges and categories for street segments.

PCI CATEGORIES				
100-90	Excellent			
89-70	Good			
69-45	Fair			
44-20	Poor			
<20	Failed			

Figure 2

The PCI is a numerical indicator that rates the surface condition of the pavement. The PCI provides a measure of the present condition of the pavement based on the distress observed on the surface of the pavement. It provides an objective and rational basis for determining maintenance and repair needs and priorities. Continuous monitoring of the PCI is used to establish the rate of pavement deterioration, which permits early identification of major rehabilitation needs. The PCI provides feedback on pavement performance for validation or improvement of current maintenance procedures.

2.4 PAVEMENT DISTRESSES

The following distress definitions are related to all pavements and were the basis of our pavement condition survey.

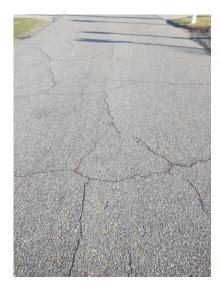
Fatigue Cracking: A load associated structural failure due to excessive deflections or bending of the HMA layer. This type of failure is generally full depth and extends from the bottom of the pavement upwards. Fatigue cracking is typically observed along wheel paths initially and may present as intermittent longitudinal cracking at low severity. Two primary things must occur for Fatigue Cracking to develop. First, excessive traffic loading and second, deficient pavement system strength. Poor drainage and infiltration of water can exasperate fatigue cracking by weakening the underlying base or subgrade. As fatigue cracking becomes higher in intensity, cracks usually become an interconnected system resembling alligator skin or chicken wire. If left unresolved, fatigue cracking typically progresses from low to high severity unless the primary causes of distress are addressed. The rate of progression is entirely dependent upon the scale and frequency of loading versus the thickness and strength of pavement and subgrade in place. See figures 3 & 4 below for an example of moderate to high intensity fatigue cracking.

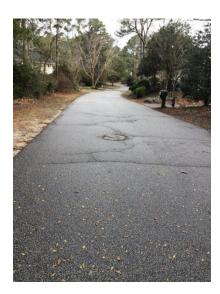




Figures 3 & 4: Fatigue Cracking as seen on First Avenue and Mizzen Mast

Transverse and Block Cracking: Transverse cracking (Figure 5) is a distress associated with shrinkage and daily temperature cycling. Transverse cracks develop across a road segment and are not load associated but generally extend through the full depth of the pavement. Transverse cracking can become block cracking (Figure 6) as a pavement age and becomes less able to resist dimensional changes without cracking. Transverse cracks become closer together and more frequent while also being broken into smaller longitudinal sections or blocks. The initiation and further development of Transverse and Block cracking is a factor of the asphalt mixture characteristics, level of oxidation, and intensity of climate cycles. This type of distress is usually relatively slow in its progression but can develop into fatigue cracking or potholes due to water infiltration especially in thin pavement sections with poor drainage or bird baths.



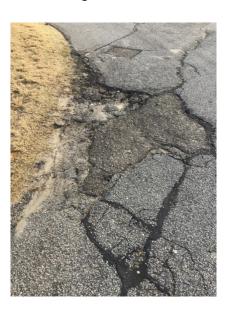


Figures 5 & 6: Block Cracking and Transverse Cracking as seen on Ocean Boulevard and Ginguite Trail

Patching and Potholes: Patching is indicated on a street when the surface of the existing pavement has been repaired by replacing or covering up part of the old asphalt with new asphalt. This can be done by surface patching or full depth (dig out) patching. The quality and condition of the patch are considered in evaluating patching—failing patches (Figures 7 & 8) are the only ones evaluated. If not done carefully and properly, patching can lead to a rougher riding road.

Potholes are failures in the pavement resulting in an open hole in the pavement. They are caused by various issues, and care to determine the root cause is essential to choosing the correct repair method. The size and frequency of potholes are considered when evaluating the streets.





Figures 7 & 8: Patching that is failing (patches sinking and cracking)

Surface Distresses

Raveling and Oxidation: Raveling is the surface distress known as the partial or total loss of the pavement wearing surface caused by the loss of asphalt binder, aggregate, or fines. Raveling is seen more often on AST or BST streets or slurry seal type streets than on plant mix asphalt surfaces. Raveling leads to rougher riding streets and the loss of skid resistance due to loose particles on the surface. Raveling can lead to water intrusion into the underlying pavement layers and subgrade if not properly repaired. The surface distress known as oxidation (Figure 9) is the hardening and aging of the asphalt cement or binder. Visually the asphalt turns from a black color to a lighter gray color with time as the asphalt weathers. The surface binder has been worn away by traffic to expose the aggregate. The pavement stiffens and becomes more brittle. This weathering of the asphalt usually covers the entire surface and pitting can become evident. Oxidation can be seen where the asphalt has turned a much lighter gray than when first placed.



Figure 9: Oxidation versus newer pavement (top of picture)

Rutting and Roughness: Rutting is a depression type failure normally found in the wheel path(s) resulting from consolidation or lateral movement of any of the pavement layers or the subgrade under traffic loads. It is caused by insufficient pavement thickness; lack of proper compaction of the asphalt, stone base or subgrade; improper asphalt mix types; or weakening of the pavement system due to moisture infiltration. Pavement uplift and shearing can occur in more serious rutting instances. Rutting can present safety concerns due to trapping water on the roadway and should be evaluated carefully to determine the root cause.

Roughness (Figure 10) is what the public perceives as the rideability of a street. One of the most important aspects of a street to the traveling public, roughness is also sometimes referred to as smoothness and is first controlled by the initial construction quality. An initially smooth street tends to stay smooth longer, and deteriorate more slowly, than an initially bumpy street. The street should be properly maintained and repaired to prevent rough riding roads. Special attention to the smoothness of patching and crack sealing, and timely repair of potholes is important, or the public will observe the street as a poor or bumpy road.



Figure 10: Tree roots affecting ride quality on E. Holly Trail

SECTION 3 – GENERAL OBSERVATIONS

3.1 ROAD CONDITION OVERVIEW

The results of the pavement condition survey indicate that Southern Shores' street system is in a fair but aging condition and is well suited for preservation and minor rehabilitation repair treatments. The assessment found that 12% (4.41 miles) of the Town's street network is in Excellent condition and 15% (5.47 miles) is in Good condition and 73% (26.81 miles) is in Fair condition. The remaining portion of the network is rated as 0% Poor and 0% Failed. Figure 11 below provides a summary of the PCI results.

		Powell Bill Streets					
PCI Category	PCI Range	# of Sections	Length (miles)	% of Miles			
Excellent	100 to 90	25	4.41	12			
Good	89 to 70	30	5.44	15			
Fair	69 to 45	107	26.81	73			
Poor	44 to 20	0	0	0			
Failed	<20	0	0	0			
TOTAL	.s						

Figure 11: PCI Summary-Total Street System

The top three distresses observed and recorded during the pavement assessment were fatigue cracking, surface distresses, and transverse cracking. These three distresses reflect the natural aging process of pavements that have not been part of a pavement maintenance program. These aging roads are also naturally becoming less flexible due to oxidation and stiffening of the asphalt liquid that holds the roads together. Failure to timely treat these distresses may ultimately lead to structural failures and more costly repairs. Table 1 provides an overall summary and breakdown of each distress type measured, the frequency of occurrence and severity.

Ratigue Cracking (FC)	Distance House	C	lass A	C	Class B	С	lass C	Total St	treet System	
A. High B. Medium B. Mediu	Distress items	Miles	% of Miles	Miles	% of Miles	Miles	% of Miles	Miles	% of Miles	
B. Medium C. Low 2.03 2.09% C. Low 2.03 2.09% 2.41 1.0.12% 0.33 11.94% 4.77 13.00% 1.0.00% 2.75 100.00% 3.666 100.00% Transverse Cracking (TC) Transverse Cracking (TC) A. High B. Medium 7.41 7.3.6% 1.4.56 1.1.58% 1.61 6.74% 1.0.00% 2.75 100.00% 2.881 100.00% 2.75 100.00% 3.666 100.00% 3.666 100.00% 3.666 100.00% 3.666 100.00% 3.666 100.00% 3.666 3.69 3.69 3.69 3.69 3.69 3.69 3.6	Fatigue Cracking (FC)									
C. Low D. None 2.03 20.09% 2.41 10.12% 0.33 11.94% 4.77 13.00% D. None 0.64 6.37% 3.30 13.84% 0.56 20.42% 4.50 12.28% 10.09 100.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% 12.81% 10.09 100.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00	A. High	1.04	10.26%	0.49	2.05%	0.07	2.39%	1.59	4.34%	
D. None	B. Medium	6.39	63.28%	17.61	73.98%	1.80	65.26%	25.80	70.38%	
Transverse Cracking (TC) A. High O.00 O.00 A. High O.00 O.00	C. Low	2.03	20.09%	2.41	10.12%	0.33	11.94%	4.77	13.00%	
A. High	D. None	0.64	6.37%	3.30	13.84%	0.56	20.42%	4.50	12.28%	
A. High B. Medium C. Low C. Low D. None O.00 O.00% O.0	Total	10.09	100.00%	23.81	100.00%	2.75	100.00%	36.66	100.00%	
B. Medium C. Low 2.15 21.28% 1.61 6.74% 0.43 15.47% 4.18 11.40% D. None 0.54 5.36% 4.64 19.49% 1.01 36.67% 6.19 16.89% Surface Defects (SD) A. High B. Medium 6.44 63.77% 15.75 66.16% 1.12 40.68% 23.31 63.59% C. Low 3.01 29.86% 3.69 15.51% 1.19 43.09% 7.89 21.54% D. None 0.64 6.37% 3.44 14.44% 0.33 12.01% 4.41 12.04% D. None 0.64 6.37% 3.44 14.44% 0.33 12.01% 4.41 12.04% D. None 0.64 6.37% 3.44 14.44% 0.33 12.01% 4.41 12.04% D. None 0.64 0.87% 0.88 0.80 2.75 100.00% 23.81 100.00% 2.75 100.00% 23.81 100.00% 2.75 100.00% 23.81 20.00% 2.75 100.00% 23.81 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 2.75 20.00% 23.81 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.00% 2.75 20.0	Transverse Cracking (TC)									
C. Low D. None	A. High	0.00	0.00%	3.00	12.62%	0.52	18.88%	3.52	9.61%	
D. None	B. Medium	7.41	73.36%	14.56	61.15%	0.80	28.98%	22.76	62.10%	
Note	C. Low	2.15	21.28%	1.61	6.74%	0.43	15.47%	4.18	11.40%	
A. High	D. None	0.54	5.36%	4.64	19.49%	1.01	36.67%	6.19	16.89%	
A. High B. Medium B. Mediu	Total	10.09	100.00%	23.81	100.00%	2.75	100.00%	36.66	100.00%	
B. Medium C. Low 3.01 29.86% 3.69 15.51% 1.19 43.09% 7.89 21.54% D. None 0.64 6.37% 3.44 14.44% 0.33 12.01% 4.41 12.04% Patch Deterioration/Potholes (PP) A. High D. None 2.76 2.71 26.89% 10.00% 23.81 100.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% Aligh D. None 2.71 26.89% 10.70 44.95% 1.91 69.30% 15.33 41.81% Total 10.09 100.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% Rutting/Roughness (RR) A. High 1.04 10.26% 2.36 10.77% 0.23 8.52% 3.84 10.46% 8. Medium 1.43 14.12% 6.22 26.14% 0.48 17.59% 8.13 22.19% C. Low 0.83 8.26% 2.02 8.47% 0.30 10.81% 3.15 8.59% D. None 6.80 67.35% 13.00 54.62% 1.74 63.08% 21.54 58.76% Block Cracking (BC) A. High 0.00 0.00% 0.00% 0.00 0.00% 0.00 0.00% 1.32 4.22% 0.69 2.88% 0.00 0.00% 1.33 3.666 100.00% Reflective Cracking (RC)	Surface Defects (SD)									
C. Low	A. High	0.00	0.00%	0.92	3.88%	0.12	4.23%	1.04	2.84%	
D. None	B. Medium	6.44	63.77%	15.75	66.16%	1.12	40.68%	23.31	63.59%	
Note	C. Low	3.01	29.86%	3.69	15.51%	1.19	43.09%	7.89	21.54%	
Patch Deterioration/Potholes (PP)	D. None	0.64	6.37%	3.44	14.44%	0.33	12.01%	4.41	12.04%	
A. High B. Medium C. Low A. High B. Medium B.	Total	10.09	100.00%	23.81	100.00%	2.75	100.00%	36.66	100.00%	
B. Medium C. Low A.05 A.012% D. None A.05 A.012% D. None A.09 B. Medium A. High B. M	Patch Deterioration/Potholes (PP)									
C. Low	A. High	0.87	8.63%	2.37	9.94%	0.22	7.93%	3.46	9.43%	
D. None 2.71 26.89% 10.70 44.95% 1.91 69.30% 15.33 41.81% Rutting/Roughness (RR) A. High 1.04 10.26% 2.56 10.77% 0.23 8.52% 3.84 10.46% B. Medium 1.43 14.12% 6.22 26.14% 0.48 17.59% 8.13 22.19% C. Low 0.83 8.26% 2.02 8.47% 0.30 10.81% 3.15 8.59% D. None 6.80 67.35% 13.00 54.62% 1.74 63.08% 21.54 58.76% Block Cracking (BC) A. High 0.00 0.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% B. Medium 8.20 81.28% 18.09 75.98% 1.32 48.02% 27.62 75.34% C. Low 0.43 4.22% 0.69 2.88% 0.00 0.00% 1.11 3.03% D. None 1.46 14.51% <td>B. Medium</td> <td>2.46</td> <td>24.36%</td> <td>5.64</td> <td>23.69%</td> <td>0.15</td> <td>5.34%</td> <td>8.25</td> <td>22.50%</td>	B. Medium	2.46	24.36%	5.64	23.69%	0.15	5.34%	8.25	22.50%	
Total 10.09 100.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% Rutting/Roughness (RR) 1.04 10.26% 2.56 10.77% 0.23 8.52% 3.84 10.46% B. Medium 1.43 14.12% 6.22 26.14% 0.48 17.59% 8.13 22.19% C. Low 0.83 8.26% 2.02 8.47% 0.30 10.81% 3.15 8.59% D. None 6.80 67.35% 13.00 54.62% 1.74 63.08% 21.54 58.76% Total 10.09 100.00% 23.81 100.00% 2.75 100.00% 36.66 100.00% Block Cracking (BC) A. High 0.00 0.00% 0.00 0.00% 0.00 0.00% 0.00 0.00% 0.00 0.00% 0.00 0.00% 0.00 0.00% 27.62 75.34% 0.00 0.00% 1.11 3.03% 3.03% 0.00 0.00%	C. Low	4.05	40.12%	5.10	21.41%	0.48	17.43%	9.63	26.26%	
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Table 1: Pavement Condition Survey Distress Summary

SECTION 4 – MAINTENANCE RECOMMENDATIONS

4.1 STRATEGIC APPROACH

Studies have shown that the right treatment on the right road at the right time is the best use of limited maintenance dollars. However, for most public agencies there are typically more maintenance needs than funds available. Therefore, maintenance activities need to be prioritized to maximize available funding. One strategy is to allocate funds and plan maintenance activities that focus on keeping the good roads good. Keeping good roads good with cost effective and proactive treatments is the general concept of pavement preservation.

SEPI has seen great success with a mixed pavement maintenance program often heavily utilizing pavement preservation. Pavement preservation is a planned system of treating pavements to maximize their useful life. All pavements require some form of maintenance due to the effects of traffic and the environment on the exposed pavement materials over time. For example, applying a relatively low-cost surface treatment to a pavement with light to moderate distresses can efficiently increase the life of a pavement.

The most obvious benefit of pavement preservation is the extended service life of the pavement. Other benefits of a pavement preservation program are the ability to impact significant portions of the system by utilizing lower cost treatments, better forecasting of maintenance cost demands, fewer premature pavement failures, keeping good roads good, and reduced user inconveniences due to construction.

Having a successfully implemented program of yearly preservation treatments is the goal of most pavement management plans if funding is available. Given the current conditions of the system in Southern Shores (mostly Fair) the strategic approach of this plan is to first make more good roads hopefully at a rate faster than the currently Fair roads deteriorate. If this can be accomplished, then ultimately pavement preservation will phase into being the majority of the work. For cases where an owner organization does not have enough money to make more good roads, preservation can still be utilized to slow the rate of deterioration. The main concept here is that preservation is mostly intended to keep good roads good, and rehabilitation (structural treatments) generally help create more good roads. The 2 options of CIP's presented below will show how different funding levels utilize similar but different fixes to maximize the future predicted conditions of the system.

4.2 PAVEMENT TREATMENT OPTIONS

The exclusive purpose of the SEPI pavement management plan is to preserve pavements, delay future deterioration, and improve overall conditions cost-effectively and efficiently. Since SEPI determined that the overall system health of the Town's roads was majority fair, the main goal of the recommended treatment options is to raise the overall condition of the Town's network by applying cost-effective treatments to correct pavement deficiencies. In accordance with our discussions with Southern Shores staff and their expectations for level of service and aesthetics along with balancing risk of treatment success, we have selected 5 treatment type options:

1. Full Depth Patching

Full Depth Patching (FDP) is accomplished by removing the existing pavement generally a minimum of 7 feet wide through its "full depth". Depths of 6 to 8 inches are anticipated for use in these CIP options. The existing material is removed utilizing a milling machine for expedited construction and clean "cuts". New asphalt is placed back into the excavation in compacted lifts, reconstructing the pavement. If unstable subgrade conditions are encountered, this can be mitigated by undercutting the excavation and adding additional asphalt, graded aggregate base or open graded stone, dependent on conditions and contract specifications. FDP extends the useful life of the pavement by focusing on rehabilitating isolated structural failures. This treatment is frequently utilized on areas of fatigue cracking and potholes but may also be effective on rutting and isolated cracking or high intensity transverse cracking. FDP is not intended to rebuild the entire roadway and alternative methods of rehabilitation or reconstruction should be considered once FDP quantities exceed 25 – 50% of the roadway.

2. Rehabilitation Minor – Overlay

Rehabilitation with a minor overlay consists of first leveling and patching the roadway. Patching is as described above and may include some shallower (surface) patching if distresses are present and are located primarily in the near surface (2 inches) of the pavement. Surface patching should not be utilized to fix structural deficiencies. Leveling consists of placing a relatively thin but variable thickness, of typically sand asphalt, to fill in depressions or correct localized drainage issues (bird baths).Patching and leveling is then covered with a 1.25 to 1.5 inch thick overlay to improve the condition of the roadway, provide additional structure and increase remaining service life. Overlays are utilized on pavements in the good and fair categories that do not have excessive amounts or high intensity cracking present. Overlays with patching and leveling are a cost effective way to make more "Good" and "Excellent" roads from fair candidates.

3. Rehabilitation Major – Mill and Fill 2in

Rehabilitation Major Mill and Fill of 2 inches is an adaptation of the overlay treatment. This method of rehabilitation includes patching but eliminates leveling and surface patching due to the removal of the entire pavement surface in a uniform 2in cut with a milling machine. Milling removes the weathered and cracked asphalt surface course which is replaced with new materials. Milling allows for tying into existing grades and has less complications when working in curb and gutter areas or locations with lots of driveways. Mill and fill 2in operations are suited for higher traffic volume pavements in fair condition and lower traffic volume pavements in fair and poor condition. This type of treatment is necessary to rehabilitate distresses that are to severe or more frequently occurring than a minor overlay would be suitable for.

4. Rehabilitation Major – Mill and Fill 2in with Buildup

Rehabilitation Major Mill and Fill 2in with Buildup includes all aspects of a typical mill and fill 2in but adds the additional structure of another course of asphalt. This will effectively increase the structural capacity of the roadway, help to resist any reflective cracking and provide a like new roadway appearance and ride quality. This type of treatment is utilized on pavements on the lower end of the Fair scale and into the Poor category.

5. Thin Lifts

Asphalt Thin Lifts are a relatively thin application of typically sand asphalt intended to be placed on roads in the bottom of the good category to keep them good. Thin lifts provide very little structural improvement and as such are not intended to fix structural deficiencies. Thin lifts can be utilized to seal minor/low intensity cracking and provide increased pavement life.

It should be noted that reconstruction is typically a 6th category that is included in a treatment option menu. This category is for roads that have failed and require the complete replacement of the pavement structure with a new equivalent structure. Although some streets in the Town's network could benefit from reconstruction, the number of candidates is small, and the relatively low volume of traffic further minimizes the mandatory candidates and allows most of those streets to be repaired and repaved rather than reconstructed.

		MAINTENANCE TIER	REPAIR TYPES		
100-90	Excellent	Do Nothing	None		
89-70	Good	Preservation	FDP, Surface Patching, Thin Lifts		
69-45	Fair	Minor Rehabilitation	FDP, Overlays, Mill and Fill 2in, Mill and Fill 2in with Buildup		
44-20	Poor	Major Rehabilitation	Mill and Fill 2in, Mill and Fill 2in with Buildup, Increased Patching and Leveling		
<20	Failed	Reconstruction	Reconstruction Varies afterEvaluating the Individual Street Failure Types		

Maintenance Treatment Matrix

4.3 CAPITOL IMPROVEMENT PLAN (CIP) METHODOLOGY

SEPI developed recommended options for the CIP based on funding levels of \$675,000 and \$1,000,000 yearly budget targets. The general concept of the plans is to improve the system to the greatest extent possible for each funding level utilizing the treatment options identified in section 4.2. The current condition of all Town owned streets was rated in accordance with Sections 2 and 3 of this report and then further each roadway was categorized into one (1) of three (3) groups, Category A, Category B and Category C. For prioritizing street repairs, the Category A streets were given more importance, followed by Category B and then Category C. These groups were created with the help of Southern Shores staff to

help classify local importance by amount of traffic volume, presence of trucks, connectivity of the community and resilience of the system. A simple description for each street category follows:

- Class A Major Residential Collectors & Through Streets
- Class B Roads with 10 or more properties abutting
- Class C Less than 10 properties abutting

The optional CIP plans gave particular attention to Category A streets then Category B then Category C, attempting to never let Category A go to poor. Heavier rehabilitation treatments were used on Category A than Category B than Category C to allow for appropriate levels of project risk during construction and future performance predictions. Roadway segments were selected as "worst first" when possible, but this does not always allow for touching the necessary number or length of roads. More roads must be touched/rehabilitated/preserved resulting in improvements than the number of roads that are deteriorating in order to have improvement in the end for the entire system. Rate of deterioration further impacts this as generally bad roads deteriorate faster than good roads. These plans attempt to assign a mix of fixes that equals overall improvement at the end of the analysis term. The following describes specifically how treatments were selected during the development of the plan.

Category A/B/C Roads (Good):

• Thin Lift

Category A Roads (Fair):

- If PCI less than 60 = Mill and Fill 2in with Build up
- If PCI >= 60 and Fair = Mill and Fill 2in
- FDP if conditions warrant

Category B/C Roads (Fair):

- If PCI >= 60 and Fair = Overlay
- If PCI < 60 and Fair = Mill and Fill 2in
- FDP if conditions warrant

Category A/B Roads(Poor):

- Mill and Fill 2in with Build up
- FDP if conditions warrant

Category C Roads (Poor):

- Mill and Fill 2in
- FDP if conditions warrant

Unit costs utilized for each of these treatments are below in Table 2.

Maintenance	Cost
Full Depth Patching	\$100.00/SY
Rehab Minor - Overlay	\$22.00/SY
Rehab Major – Mill and Fill 2in	\$28.00/SY
Rehab Major – Mill and Fill 2in w/ Buildup	\$46.00/SY
Thin Lift	\$15.00/SY

Table 2

For Fair and good pavements, one alternative treatment that has proven to be very successful both regionally and nationally is microsurfacing. Microsurfacing (also known as a type of slurry seal) is a mixture of asphalt emulsion and fine aggregate that is applied uniformly to the pavement with specialized equipment. Microsurfacing is a preventative maintenance treatment that less expensive (approximately \$9.00/SY) than Thin Lift. It provides a relatively low-cost treatment that is similar in appearance to Hot Mix Asphalt and can be utilized in lieu of aggregate surface treatments. As more good roads are produced in the system it will be crucial to keep them good. Lower cost treatments that can cover more area are key to accomplishing this. Microsurfacing may be more appropriate for the Category A, moderate volume, moderate speed applications than an aggregate surface treatment due to its differences in surface characteristics. Please see figure 18 below for a picture of typical microsurfacing.



Figure 18: Typical Microsurfacing Paving Crew

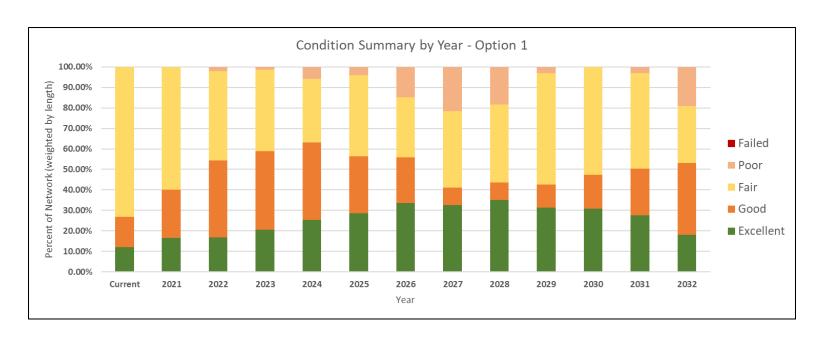
It should be noted that due to the specialty nature of microsurfacing, sufficient contract quantities would be necessary to generate contractor interest and project viability. Our conversations with the industry indicate that contract quantities including a minimum five (5) miles of microsurfacing would be preferred for mobilization of the equipment and to keep costs reasonable. If the Town is interested in learning more about this type of treatment, we will be prepared to provide additional information when requested.

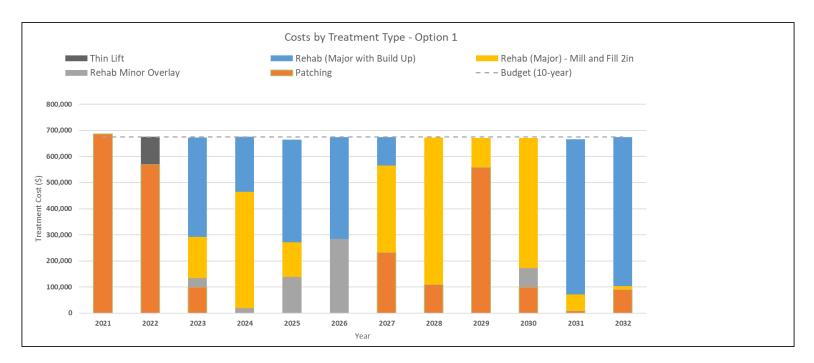
4.4 CIP PLAN DETAILS AND DISCUSSION

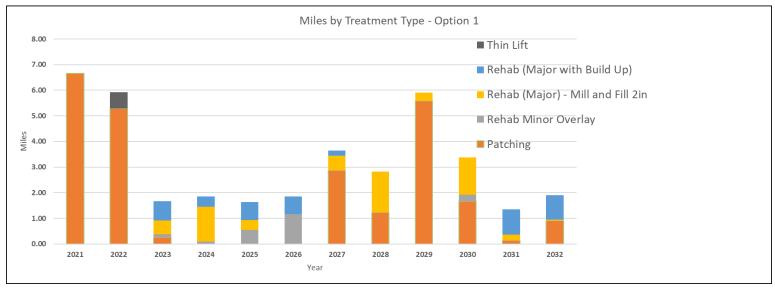
Key highlights of the options are as follows:

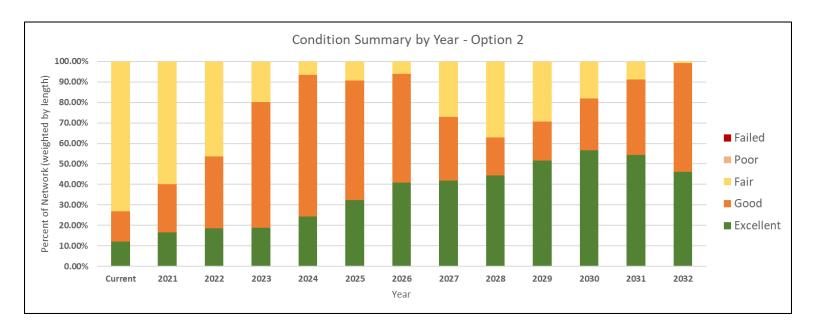
- Full Depth Patching (FDP) in the first 2 years of the plan accomplishes several goals upfront.
 Elimination of high intensity fatigue cracking and potholes. Touches significant mileage in the
 system. Creates attractive winter work contracts for local contractors with adequate quantities
 for acceptable unit price contracts. Verifies unit prices early in the program. Brings all but 1
 Category A road into the Good condition reducing maintenance requests for the Town.
- 2. Groups similar work activities together yearly in an attempt to create favorable contracting conditions.
- 3. Option 1 (\$675K) includes work on 38 miles of road and improves the system from approximately 27% Good/Excellent to 53% Good/Excellent. This improvement mostly comes from the conversion of fair roads to good. Some fair roads fall into the Poor (20%) category late in the plan due to a funding shortfall
- 4. Option 2 includes work on 57 miles of road and improves the system to 99% Good/Excellent. Similar approach as Option 1 but and increased budget allows for more extensive rehabilitation and resulting increased performance.

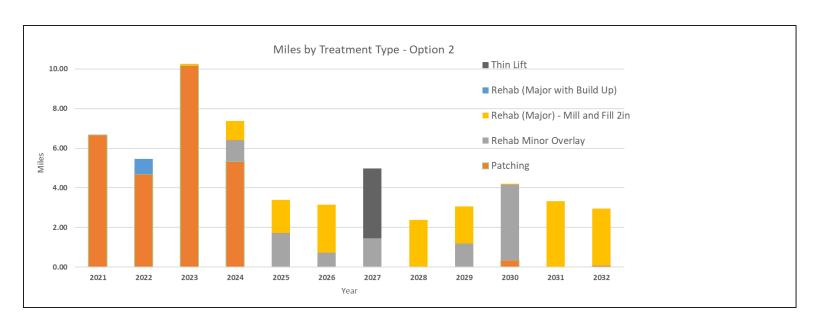
Summaries of the plans, Options 1 and 2, along with the predicted performance, cost and types of treatments are presented in the following figures. Detailed listing of each road segment and treatment type by year and Optional plan are presented in the report Appendix:

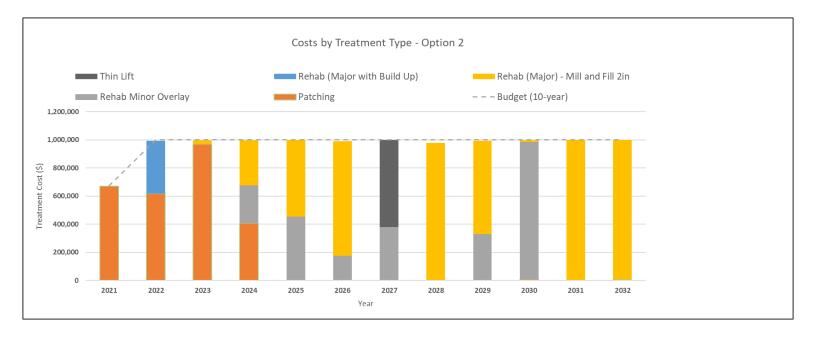












We understand that implementation of Option 2 would require the Town of Southern Shores to significantly increase funding for this "catch-up" scenario. We recommend the work be done under the supervision of certified inspectors. Certified inspectors play a vital role in municipalities getting the product they are paying for on the ground, within specifications, and with cost efficiency.

Further, SEPI encourages that the Town implement the recommended pavement maintenance strategy in phases and organize needed contracts in the following order:

- Patching Since the Capital Plan calls for a great deal of prep work such as patching, we recommend patching be done in one of two ways: 1) Partner with the local NCDOT office with to have their crews review the streets and patch the areas of need; or 2) Let a contract to patch areas under the supervision of a certified inspector. The inspector and their engineer can mark the areas to be patched in the field prior to letting the contract. The contract can be properly managed through inspection for both quality and quantity control.
- Asphalt Paving Since there are various roads that need leveling prior to preservation, an
 asphalt paving contract should follow the patching contract. Consideration could be given to
 letthe two contracts together if desired. This contract would include the leveling plus any
 resurfacing or milling and filling with asphalt.
- As mentioned previously, given the number of relatively short sections of roadways within this system, it would also be beneficial to consider letting contracts with like type roads requiring the same treatments. This will help to establish better prices through an economy of scale.
- Meet with local contractors to discuss upcoming work opportunities and give an outlook of work to come in this plan.
- Determine methods and procedures for contract preparation and construction management.

 Consider holding back a percentage of budget yearly to account for change order contingencies. 5 to 10 percent of the total contract amount is typically sufficient.

After implementation of the preferred CIP Option, SEPI recommends that the Town of Southern Shores continue to follow the pavement preservation philosophy outlined in this report. The Town's approach should combine traditional medium to long-term strategies (reconstruction and resurfacing) with short-term preventative maintenance strategies to achieve the highest level of service while maximizing available funds each year. The experienced SEPI Team is available to assist the Town with future planning if desired.

Lastly, SEPI recommends that the Town of Southern Shores plan for future pavement condition surveys on regular five (5) year intervals so that the status of the road system can be monitored, and maintenance plans altered as necessary.

In addition to the pavement preservation practices referenced above, the SEPI team also identified a need for drainage improvements on the shoulders and the ditches in Southern Shores. High shoulders should be cut down and shaped to direct the water into the ditches. There are places where the ditches are not draining properly which can create issues in the road subgrade. We recommend some funding be set aside to address the drainage issues prior to pavement improvements.

Confirmation of these recommendations should be done in the field prior to developing a project or yearly program activities. The recommended repairs are best judgements given the current pavement conditions and projected performance, but other needs such as utility repairs, conditions of curb and gutter, drainage, and traffic volume may dictate a variation of the activity.

Field observations by an engineer are highly recommended prior to project development because of the ever-changing characteristics associated with pavement maintenance. This final evaluation prior to letting a contract is vital to ensuring the right treatment on the right road at the right time and will help to ensure forecasted budgetary needs are as accurate as they can be.

SECTION 5 – MULTI-USE PATH / CHICAHAUK TRAIL PARKING LOT

Multi-use Path along NC12

SEPI assessors also reviewed the 3.7 mile multi-use path along NC 12 for condition and pavement distresses. The path appears to be in fair condition and is routinely utilized daily. The path appears to be older pavement, with little to no maintenance work done throughout its life.

The asphalt is oxidizing, becoming less flexible, leading to transverse cracking (Figure A) present throughout the length of the path. There are also various areas of edge cracking (Figure B) particularly where the edge of the asphalt is unsupported (low shoulders) by gravel or earthen material.

If left unrepaired, these types of failures will increase, cracks will become wider, there will be more water intrusion, and the likelihood of further issues also increases. We recommend a crack sealing program for the transverse cracking. If the cracks are significant (greater than ½ inch), we recommend the use of mastic sealant which has been utilized successfully by NCDOT in the Eastern part of the State.

The edge cracking will likely require removal and replacement via patching. Once the areas are repaired, all low shoulder areas should also be remediated by bringing in earthen material to provide edge support. Seeding will be required to prevent erosion and stabilize the area. Low shoulders in other areas where edge cracking has not yet occurred should be repaired the same way as they can create a hazard for pedestrians and cycling traffic.



Figure A - Transverse Cracking



Figure B - Edge Cracking

There are several other issues present on the path. Right now, the greatest area of concern is the cracking and buckling of the pavement (Figures C & D) due to tree root intrusion, particularly in the more northern reaches of the path where the shaded road canopy is located. The cracks will worsen with time and become larger and thereby higher and more likely to create issues such as a tripping hazard to foot traffic or a very bumpy, uneven ride for bike traffic. SEPI recommends milling the asphalt in these areas and removing the roots as soon as funds are available. The area can be patched back to its original elevation with two (2") inches of surface course asphalt.



Figure C - Root intrusion cracks



Figure D - More cracking due to roots

Another prevalent issue, particularly on the southern end of the path, is the raveling of asphalt (Figure E) from the edges. These areas are narrowing the path and grasses (Figure F) in some cases have covered parts of the path due to this problem. This could be a workmanship issue, but staff are suspicious that it could have happened during home construction where materials were stored beside the road and wear and tear of equipment use could have created the problem. While not a dangerous issue for users, these areas should be monitored and plans for future repair considered.



Figure E – Raveling of asphalt edges



Figure F - Grasses spreading across path

Additionally, there are several areas where the ADA ramp crossings (raised domes) have edges missing or broken off due to use of heavier equipment on the path. These should also be noted and monitored on a yearly basis to ensure they are not worsening to the point of not functioning properly.

In conclusion, in its current condition the path is functioning as intended and is certainly an asset to the

Town. Planning and budgeting for repairs should begin before areas deteriorate to unsafe situations. The greatest concern is the root buckling because it can create an unsafe situation for all users. SEPI recommends the Town consultant with an arborist to help make recommendations on the most effective practices in tree root removal as a part of the multi-use path repair strategy.

Timeline Recommendations for Repair

- Fund repairs for root intrusion as soon as possible because these areas present the biggest hazard to those using the path. Plan to spray areas of grass intrusion (see Figure F) also.
- Repair areas of low shoulders as soon as possible to correct the hazard for users and to prevent edge cracking of unsupported pavement.
- Fund repairs for sealing cracks larger than ¼" to prevent water intrusion and further asphalt deterioration. This should be done as quickly as possible but no more than 1-3 years.
- Plan to repave (minimum of 1 ½" overlay) the entire path-after making repairs-in the next 5-7 years. Spray all areas of grass intrusion and kill weeds and grasses prior to repaving. Add earthen material to edges of pavement for lateral support. Seed to establish grasses to stabilize material.

Chicahauk Beach Access Trail Parking Lot

The current condition of the asphalt parking lot with porous parking areas is fair and typical of an aging low volume car parking area. Parking lots in general are highly susceptible to transverse cracking, oxidation and localized drainage issues all leading to problem spots in the pavement. This parking area is serviceable but in need of a plan to keep issues that are currently serviceable from becoming more significant problems. The types of failures present suggest that the parking area is not significantly deficient in structure as most of the cracking is random in nature other than in areas where drainage appears to be an issue. We recommend the following as a plan for rehabilitation.

- FDP and level as necessary to address isolated failures and drainage issues.
- Perform crack sealing
- Remove thermoplastic pavement markings
- Seal the surface of the pavement with a slurry seal
- Replace thermoplastic pavement markings

SECTION 6 – ACKNOWLEDGEMENTS

SEPI Engineering and Construction would like to thank the Town of Southern Shores for this opportunity. The Town staff was professional, conscientious, knowledgeable, and very supportive of the SEPI Team. The background information and open discussions with staff provided also helped ensure a very successful project. It would be a pleasure to work with Southern Shores again should our services be needed.

The SEPI team has a wide range of expertise, offering unique solutions to our clients across North Carolina and the Southeast. SEPI staff is prepared to offer engineering solutions to our clients in most all Civil Engineering disciplines. Our goal is not just to meet the needs of our clients, but also to exceed them. SEPI offers sustainable, earnest, practical, and innovative service lines to a wide range of clients. We have offices in Raleigh, Charlotte, and Wilmington in North Carolina; Charleston and Beaufort in South Carolina; and Palmetto and Fort Lauderdale in Florida.

APPENDIX A

TOWN OF SOUTHERN SHORES CAPITAL IMPROVEMENT PLAN_OPTION 1

Year 2021	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2021)	Cost 2021	Class
51	HILLCREST DR	SEA OATS TRL	HICKORY TRL	Patching	\$97,367	А
128	TRINITIE TRL	CHICAHAUK TRL	EAGLES NEST LN	Patching	\$55,332	Α
90	HILLCREST DR	HICKORY TRL	E DOGWOOD TRL	Patching	\$51,494	Α
153	S DOGWOOD TRL	GINGUITE TRL	TEAL CT	Patching	\$12,233	Α
26	SEA OATS TRL	SOUNDVIEW TRL	NC 12	Patching	\$25,932	Α
111	S DOGWOOD TRL	YAUPON TRL	FAIRWAY DR	Patching	\$53,383	Α
130	S DOGWOOD TRL	FAIRWAY DR	GINGUITE TRL	Patching	\$106,851	Α
95	S DOGWOOD TRL	E DOGWOOD TRL	YAUPON TRL	Patching	\$7,782	Α
11	HAPPY INDIAN LN	HIGH DUNE LOOP	DEAD END	Patching	\$3,592	В
33	SOUNDVIEW TRL	SEA OATS TRL	NORTH DUNE LOOP	Patching	\$22,737	В
54	6TH AVE	NC 12	6TH AVE	Patching	\$80,840	В
12	HIGH DUNE LOOP	SPINDRIFT TRL	SPINDRIFT TRL	Patching	\$60,981	В
58	4TH AVE	NC 12	4TH AVE	Patching	\$16,000	В
29	12TH AVE	NC 12	12TH AVE	Patching	\$18,784	В
53	6TH AVE	DEAD END	DEAD END	Patching	\$4,745	В
50	7TH AVE	NC 12	7TH AVE	Patching	\$18,244	В
121	FAIRWAY DR	S DOGWOOD TRL	EOM	Patching	\$13,635	В
142	GRAVEY POND LN	DEAD END	DEAD END	Patching	\$5,267	В
126	TURTLE POND CT	POTESKEET TRL	DEAD END	Patching	\$9,735	С
81	WOODLAND DR	E DOGWOOD TRL	N WOODLAND DR	Patching	\$16,065	С
92	MIZZENMAST LN	SEA OATS LN	DEAD END	Patching	\$6,578	С
					\$687,577	Yearly Total

Option 1 A-1

Town of Southern Shores Year 2021 Treatments - Option 1



Year 2022	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2022)	Cost 2022	Class
71	HICKORY TRL	HILLCREST DR	WAX MYRTLE TRL	Patching	\$16,217	Α
69	HICKORY TRL	WAX MYRTLE TRL	NC 12	Patching	\$12,210	Α
84	E DOGWOOD TRL	BAYBERRY TRL	WAX MYRTLE TRL	Patching	\$67,693	Α
125	CHICAHAUK TRL	CLAM SHELL TRL	SPINDRIFT TRL	Patching	\$238,628	Α
38	SEA OATS TRL	SOUNDVIEW TRL	HILLCREST DR	Patching	\$32,675	Α
82	E DOGWOOD TRL	N DOGWOOD TRL	BAYBERRY TRL	Patching	\$14,095	Α
86	SEA OATS TRL	HICKORY TRL	E DOGWOOD TRL	Patching	\$50,011	Α
68	SEA OATS TRL	HILLCREST DR	HICKORY TRL	Patching	\$19,835	Α
157	S DOGWOOD TRL	TEAL CT	CROATAN HWY	Patching	\$15,117	Α
47	HILLCREST DR	SEA OATS TRL	NC 12	Patching	\$4,929	Α
5	BAYBERRY TRL	E DOGWOOD TRL	SCUPPERNONG LN	Patching	\$28,231	В
16	TALL CLIFF LN	HIGH DUNE LOOP	DEAD END	Patching	\$4,267	В
110	W HOLLY TRL	HOLLY TRL	DEAD END	Patching	\$13,219	В
66	PURPLE MARTIN LN	OCEAN BLVD	DEAD END	Patching	\$4,038	В
48	8TH AVE	NC 12	8TH AVE	Patching	\$5,768	В
37	11TH AVE	SEA OATS TRL	NC 12	Patching	\$16,936	В
35	11TH AVE	NC 12	11TH AVE	Patching	\$19,998	В
44	9TH AVE	NC 12	DEAD END	Patching	\$5,883	В
33	SOUNDVIEW TRL	SEA OATS TRL	NORTH DUNE LOOP	Thin Lift	\$45,924	В
54	6TH AVE	NC 12	6TH AVE	Thin Lift	\$32,656	В
122	TWISTED TREE CT	POTESKEET TRL	DEAD END	Thin Lift	\$9,773	С
151	YUCCA LN	CYPRESS LN	JUNIPER TRL	Thin Lift	\$17,472	С
					\$675,572	Yearly Tota

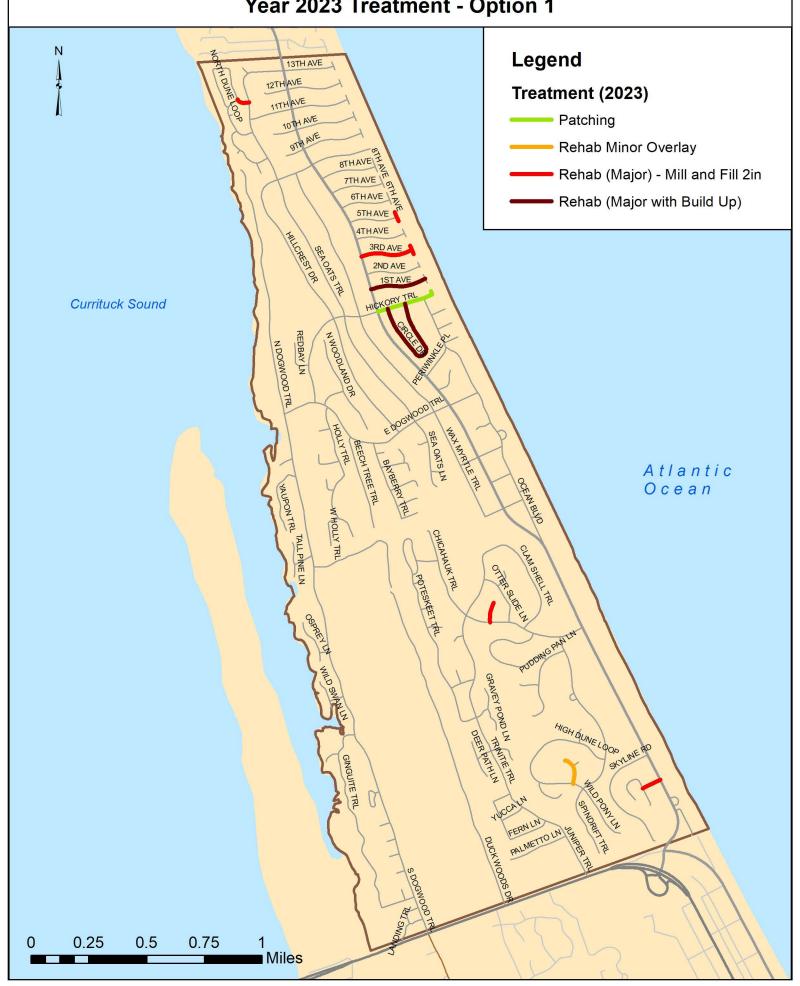
Option 1 A-2

Town of Southern Shores Year 2022 Treatment - Option 1 Legend 13TH AVE 12TH AVE Treatment (2022) 11TH AVE 10TH AVE Patching Thin Lift 8THAVE TO STHAVE TO STHAVE TO STHAVE TO STHAVE TO STHAVE TO STAVE 5TH AVE 4TH AVE 3RD AVE 2ND AVE 1ST AVE **Currituck Sound** NWOODLANDOR REDBAYLN N DOGWOOD TRL WAXMVATLETAL Atlantic YAUPONTRL TALL PINE LN Ocean WHOLLY TRI HIGH OUNE LOOP SKILING GINGUITE TRL 0.25 0.5 0.75 1 Miles

Year 2023	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2023)	Cost 2023	Class
65	HICKORY TRL	NC 12	DEAD END	Patching	\$100,946	Α
64	1ST AVE	NC 12	1ST AVE	Rehab (Major with Build Up)	\$121,384	В
74	CIRCLE DR	HICKORY TRL	HICKORY TRL	Rehab (Major with Build Up)	\$259,916	В
11	HAPPY INDIAN LN	HIGH DUNE LOOP	DEAD END	Rehab Minor Overlay	\$32,235	В
55	5TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$8,448	В
60	3RD AVE	NC 12	3RD AVE	Rehab (Major) - Mill and Fill 2in	\$68,689	В
59	3RD AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$7,919	В
32	SOUNDVIEW TRL	NORTH DUNE LOOP	SEA OATS TRL	Rehab (Major) - Mill and Fill 2in	\$18,446	В
13	OCEAN VIEW LOOP	OCEANVIEW LOOP	NC 12	Rehab (Major) - Mill and Fill 2in	\$28,490	В
124	GOOSE FEATHER LN	CHICAHAUK TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$26,409	С
					\$672,881	Yearly Total

Option 1 A-3

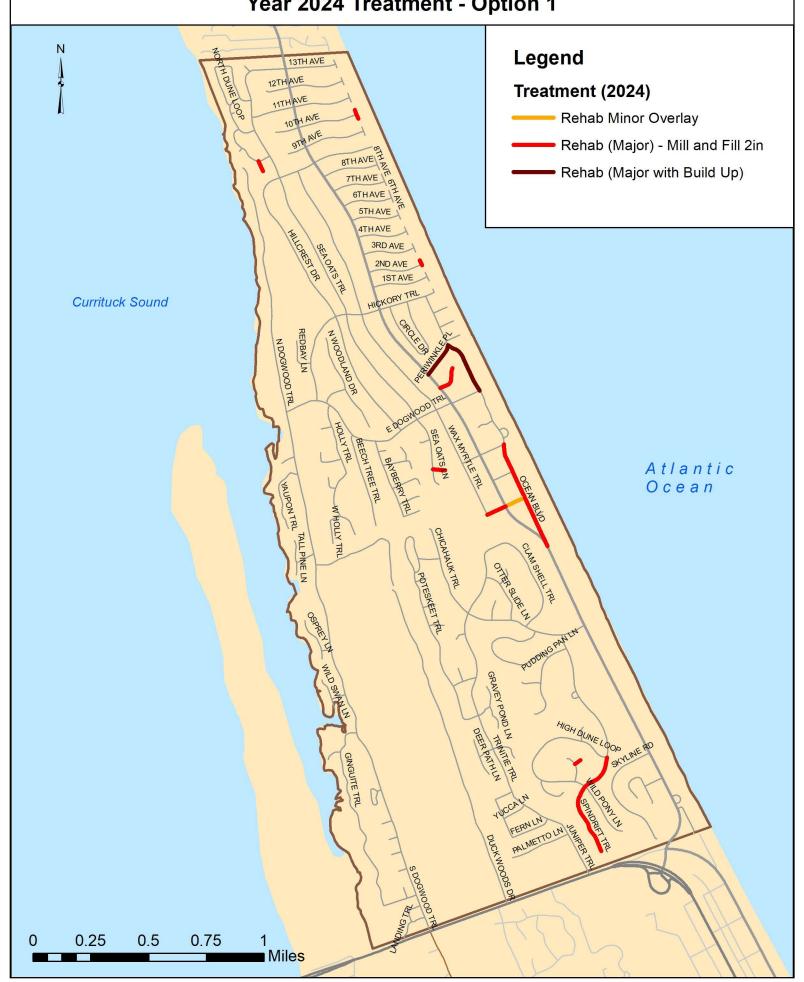
Town of Southern Shores Year 2023 Treatment - Option 1



Year 2024	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2024)	Cost 2024	Class
80	OCEAN BLVD	PERIWINKLE PL	E DOGWOOD TRL	Rehab (Major with Build Up)	\$125,010	В
77	PERIWINKLE PL	NC 12	OCEAN BLVD	Rehab (Major with Build Up)	\$86,716	В
6	OCEAN BLVD	DOLPHIN RUN	PORPOISE RUN	Rehab (Major) - Mill and Fill 2in	\$76,461	В
108	OCEAN BLVD	PORPOISE RUN	NC 12	Rehab (Major) - Mill and Fill 2in	\$79,903	В
79	SANDFIDDLER CT	NC 12	DEAD END	Rehab (Major) - Mill and Fill 2in	\$38,743	В
14	SPINDRIFT TRL	HIGH DUNE LOOP	DEAD END	Rehab (Major) - Mill and Fill 2in	\$164,443	В
9	PORPOISE RUN	WAX MYRTLE TRL	NC 12	Rehab (Major) - Mill and Fill 2in	\$23,640	В
8	PORPOISE RUN	NC 12	OCEAN BLVD	Rehab Minor Overlay	\$19,653	В
61	2ND AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$6,169	В
36	10TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$10,912	В
150	HAPPY INDIAN CT	HAPPY INDIAN LN	DEAD END	Rehab (Major) - Mill and Fill 2in	\$10,164	С
103	BRIGHT LANTERN LN	SEA OATS LN	DEAD END	Rehab (Major) - Mill and Fill 2in	\$18,196	С
172	KINGFISHER CT	KINGFISHER TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$15,967	С
	-				\$675,976	Yearly Total

Option 1 A-4

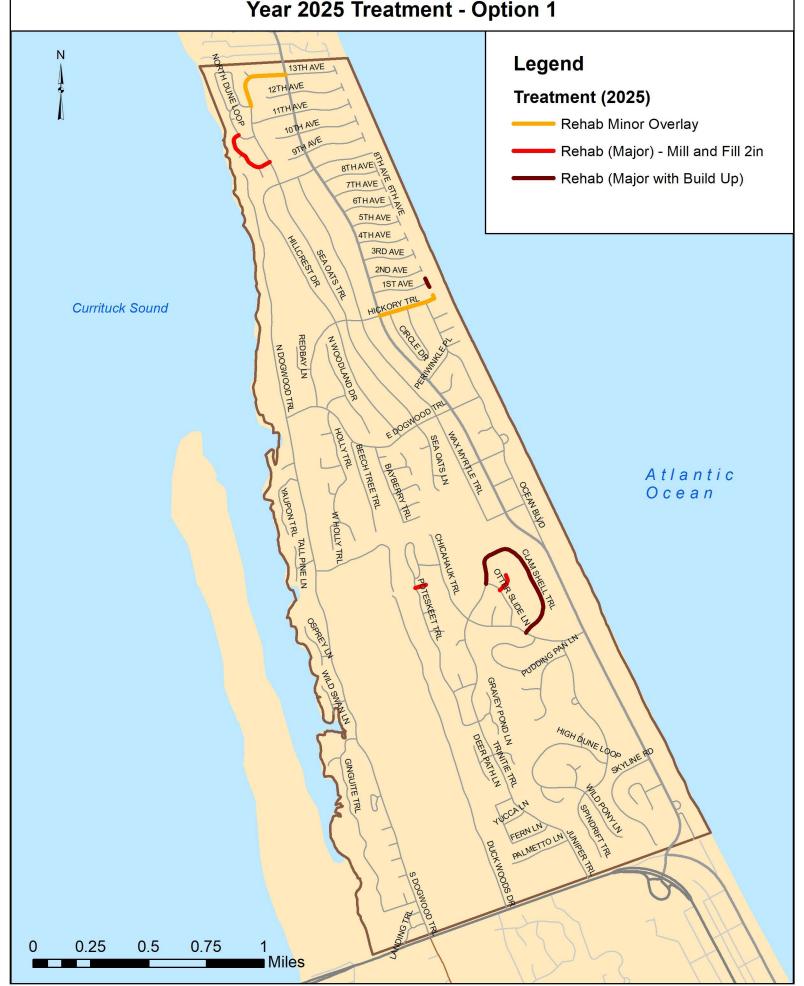
Town of Southern Shores Year 2024 Treatment - Option 1



Year 2025	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2025)	Cost 2025	Class
65	HICKORY TRL	NC 12	DEAD END	Rehab Minor Overlay	\$60,372	Α
26	SEA OATS TRL	SOUNDVIEW TRL	NC 12	Rehab Minor Overlay	\$79,080	Α
63	1ST AVE	DEAD END	DEAD END	Rehab (Major with Build Up)	\$20,422	В
127	CLAM SHELL TRL	CHICAHAUK TRL	OTTER SLIDE LN	Rehab (Major with Build Up)	\$373,302	В
43	KINGFISHER TRL	SOUNDVIEW TRL	SEA OATS TRL	Rehab (Major) - Mill and Fill 2in	\$87,495	С
120	OYSTER BED LN	POTESKEET TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$27,564	С
119	BENT OAK CT	POTESKEET TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$16,278	С
					\$664,513	Yearly Total

Option 1 A-5

Town of Southern Shores Year 2025 Treatment - Option 1



Year 2026	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2026)	Cost 2026	Class
51	HILLCREST DR	SEA OATS TRL	HICKORY TRL	Rehab Minor Overlay	\$179,849	Α
45	HILLCREST DR	NC 12	DEAD END	Rehab Minor Overlay	\$57,079	Α
133	PUDDING PAN LN	SPINDRIFT TRL	DEAD END	Rehab (Major with Build Up)	\$213,151	В
1	SEA OATS LN	E DOGWOOD TRL	DEAD END	Rehab (Major with Build Up)	\$177,766	В
81	WOODLAND DR	E DOGWOOD TRL	N WOODLAND DR	Rehab Minor Overlay	\$29,675	С
149	POINT COMFORT LN	GINGUITE TRL	DEAD END	Rehab Minor Overlay	\$17,095	С
					\$674,614	Yearly Total

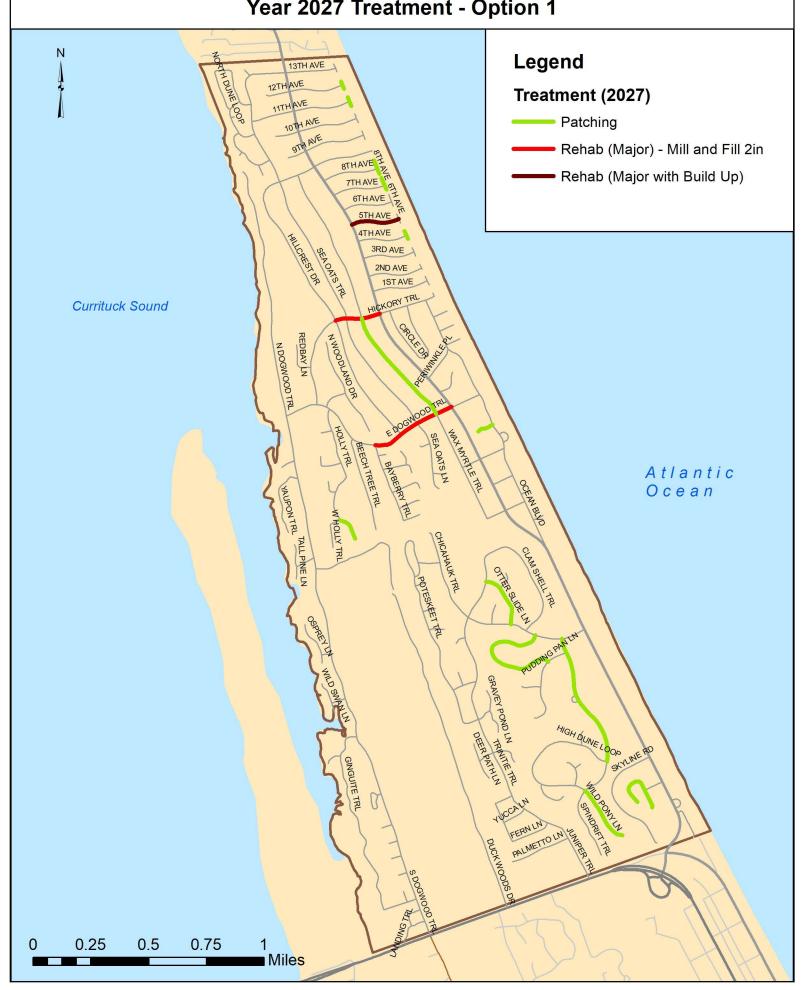
Option 1 A-6

Town of Southern Shores Year 2026 Treatment - Option 1 Legend 13TH AVE 12TH AVE Treatment (2026) 11TH AVE 10TH AVE Rehab Minor Overlay Rehab (Major with Build Up) 8THAVE TO STHAVE TO STHAVE TO STHAVE TO STHAVE TO STHAVE TO STAVE 5TH AVE 4THAVE 3RD AVE 2ND AVE 1ST AVE **Currituck Sound** NWOODLAND DR REDBAYLN N DOGWOOD TRL Atlantic Ocean WHOLLY TRI HIGH OUNE LOOP SKILING GINGUITE TRL 0.25 0.5 0.75 1 Miles

Year 2027	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2027)	Cost 2027	Class
71	HICKORY TRL	HILLCREST DR	WAX MYRTLE TRL	Rehab (Major) - Mill and Fill 2in	\$38,106	Α
69	HICKORY TRL	WAX MYRTLE TRL	NC 12	Rehab (Major) - Mill and Fill 2in	\$28,690	Α
84	E DOGWOOD TRL	BAYBERRY TRL	WAX MYRTLE TRL	Rehab (Major) - Mill and Fill 2in	\$265,108	Α
56	5TH AVE	NC 12	5TH AVE	Rehab (Major with Build Up)	\$108,373	В
171	OTTER SLIDE LN	CLAM SHELL TRL	CHICAHAUK TRL	Patching	\$22,608	В
155	WILD PONY LN	SPINDRIFT TRL	DEAD END	Patching	\$8,139	В
49	7TH AVE	DEAD END	DEAD END	Patching	\$3,085	В
18	OCEAN VIEW LOOP	DEAD END	DEAD END	Patching	\$24,360	В
129	SPINDRIFT TRL	CHICAHAUK TRL	HIGH DUNE LOOP	Patching	\$54,999	В
134	CROOKED BACK LOOP	CHICAHAUK TRL	PUDDING PAN LN	Patching	\$49,759	В
85	WAX MYRTLE TRL	HICKORY TRL	E DOGWOOD TRL	Patching	\$49,973	В
89	POMPANO CT	OCEAN BLVD	DEAD END	Patching	\$4,605	В
57	4TH AVE	DEAD END	DEAD END	Patching	\$2,744	В
31	11TH AVE	DEAD END	DEAD END	Patching	\$3,016	В
28	12TH AVE	DEAD END	DEAD END	Patching	\$2,592	В
46	8TH AVE	DEAD END	DEAD END	Patching	\$4,786	В
107	E HOLLY TRL	HOLLY TRL	DEAD END	Patching	\$2,736	В
					\$673,679	Yearly Total

Option 1 A-7

Town of Southern Shores Year 2027 Treatment - Option 1



Year 2028	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2028)	Cost 2028	Class
125	CHICAHAUK TRL	CLAM SHELL TRL	SPINDRIFT TRL	Rehab (Major) - Mill and Fill 2in	\$188,657	Α
38	SEA OATS TRL	SOUNDVIEW TRL	HILLCREST DR	Rehab (Major) - Mill and Fill 2in	\$129,163	Α
128	TRINITIE TRL	CHICAHAUK TRL	EAGLES NEST LN	Rehab (Major) - Mill and Fill 2in	\$220,891	Α
87	OCEAN BLVD	E DOGWOOD TRL	DOLPHIN RUN	Patching	\$23,463	В
34	NORTH DUNE LOOP	SOUNDVIEW TRL	SOUNDVIEW TRL	Patching	\$37,153	В
40	9TH AVE	DEAD END	DEAD END	Patching	\$3,001	В
158	SKYLINE RD	NC 12	DEAD END	Patching	\$46,690	В
139	LAND FALL LOOP	SPINDRIFT TRL	SPINDRIFT TRL	Rehab (Major) - Mill and Fill 2in	\$23,806	С
		_			\$672,823	Yearly Total

Option 1 A-8

Town of Southern Shores Year 2028 Treatment - Option 1 Legend 13TH AVE 12TH AVE Treatment (2028) 11TH AVE 10TH AVE Patching Rehab (Major) - Mill and Fill 2in 8THAVE THAVE THAVE THAVE 5TH AVE 4THAVE 3RD AVE 2ND AVE 1ST AVE **Currituck Sound** NWOODLANDOR REDBAY LN N DOGWOOD TRL Atlantic Ocean WHOLLY TRI HIGH OUNE LOOP SKILINE P GINGUITE TRL 0.25 0.5 0.75 1 Miles

Year 2029	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2029)	Cost 2029	Class
39	10TH AVE	NC 12	10TH AVE	Patching	\$19,960	В
138	TEA PLANT CT	PUDDING PAN LN	DEAD END	Patching	\$8,030	В
100	WAX MYRTLE TRL	E DOGWOOD TRL	PORPOISE RUN	Patching	\$38,785	В
70	WAX MYRTLE TRL	HILLCREST DR	HICKORY TRL	Patching	\$109,458	В
24	13TH AVE	DEAD END	DEAD END	Patching	\$3,452	В
99	DOLPHIN RUN	WAX MYRTLE TRL	NC 12	Patching	\$6,626	В
52	N DOGWOOD TRL	E DOGWOOD TRL	DEAD END	Patching	\$104,278	В
21	DUCK WOODS DR	CROATAN HWY	DEAD END	Patching	\$139,471	В
78	N WOODLAND DR	DEAD END	DEAD END	Patching	\$33,402	В
94	DOLPHIN RUN	NC 12	OCEAN BLVD	Patching	\$14,271	В
23	GINGUITE TRL	PINTAIL TRL	S DOGWOOD TRAIL	Patching	\$81,775	В
154	TEAL CT	S DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$14,783	С
104	TROUT RUN	NC 12	OCEAN BLVD	Rehab (Major) - Mill and Fill 2in	\$33,625	С
145	LAST HUNT LN	HIGH DUNE LOOP	DEAD END	Rehab (Major) - Mill and Fill 2in	\$22,846	С
160	WOOD DUCK CT	S DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$14,905	С
159	BLUE PETE CT	S DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$13,416	С
27	SEA OATS CT	SEA OATS TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$11,582	С
	-				\$670,666	Yearly Total

Option 1 A-9

Town of Southern Shores Year 2029 Treatment - Option 1 Legend 13TH AVE 12TH AVE Treatment (2029) 11TH AVE 10TH AVE Patching Rehab (Major) - Mill and Fill 2in 8THAVE TO STHAVE TO STHAVE TO STHAVE TO STHAVE TO STHAVE TO STAVE 5TH AVE 4THAVE 3RD AVE 2ND AVE 1ST AVE **Currituck Sound** REDBAYLN NDOGWOODTRL Atlantic Ocean WHOLLY TRI HIGH GUNE LOOP SKYLINE GINGUITE TRL 0.25 0.5 0.75 1 Miles

Year 2030	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2030)	Cost 2030	Class
33	SOUNDVIEW TRL	SEA OATS TRL	NORTH DUNE LOOP	Rehab Minor Overlay	\$72,637	В
171	OTTER SLIDE LN	CLAM SHELL TRL	CHICAHAUK TRL	Patching	\$23,241	В
155	WILD PONY LN	SPINDRIFT TRL	DEAD END	Patching	\$8,368	В
49	7TH AVE	DEAD END	DEAD END	Patching	\$3,172	В
18	OCEAN VIEW LOOP	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$93,495	В
129	SPINDRIFT TRL	CHICAHAUK TRL	HIGH DUNE LOOP	Rehab (Major) - Mill and Fill 2in	\$211,086	В
87	OCEAN BLVD	E DOGWOOD TRL	DOLPHIN RUN	Rehab (Major) - Mill and Fill 2in	\$89,216	В
39	10TH AVE	NC 12	10TH AVE	Rehab (Major) - Mill and Fill 2in	\$75,202	В
138	TEA PLANT CT	PUDDING PAN LN	DEAD END	Rehab (Major) - Mill and Fill 2in	\$30,253	В
62	2ND AVE	NC 12	2ND AVE	Patching	\$20,628	В
67	OCEAN BLVD	HICKORY TRL	PERIWINKLE PL	Patching	\$22,569	В
42	9TH AVE	NC 12	9TH AVE	Patching	\$6,790	В
25	13TH AVE	NC 12	13TH AVE	Patching	\$7,030	В
41	10TH AVE	NC 12	DEAD END	Patching	\$7,800	В
		_	_	_	\$671,486	Yearly Total

Town of Southern Shores Year 2030 Treatment - Option 1 Legend 13TH AVE 12TH AVE Treatment (2030) 11TH AVE 10TH AVE Patching 9TH AVE Rehab Minor Overlay 8THAVE TO STHAVE TO STHAVE Rehab (Major) - Mill and Fill 2in 5TH AVE 4THAVE 3RD AVE 2ND AVE 1ST AVE **Currituck Sound** NWOODLANDOR REDBAYLN N DOGWOOD TRL MAXMYRILETRL Atlantic Ocean WHOLLY TRI HIGH OUNE LOOP WHE GINGUITE TRL

0.25

0.5

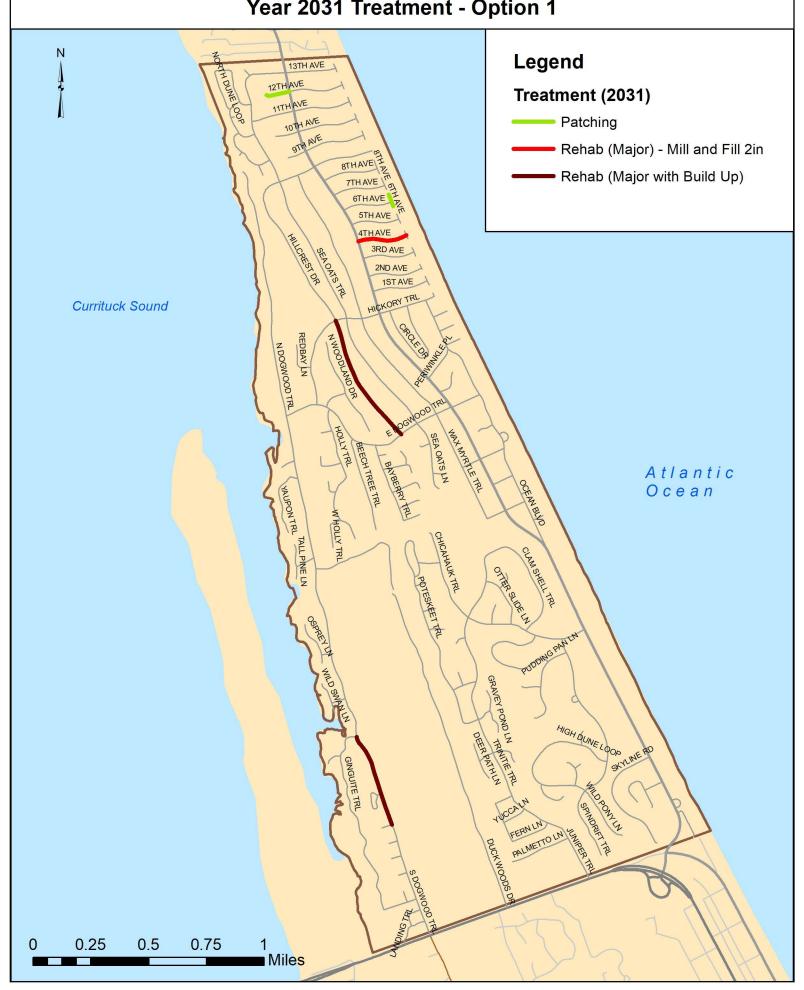
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1 ■ Miles

Year 2031	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2031)	Cost 2031	Class
90	HILLCREST DR	HICKORY TRL	E DOGWOOD TRL	Rehab (Major with Build Up)	\$347,098	Α
153	S DOGWOOD TRL	GINGUITE TRL	TEAL CT	Rehab (Major with Build Up)	\$247,375	Α
58	4TH AVE	NC 12	4TH AVE	Rehab (Major) - Mill and Fill 2in	\$62,359	В
53	6TH AVE	DEAD END	DEAD END	Patching	\$5,215	В
30	12TH AVE	NC 12	DEAD END	Patching	\$3,343	В
					\$665,390	Yearly Total

Option 1 A-11

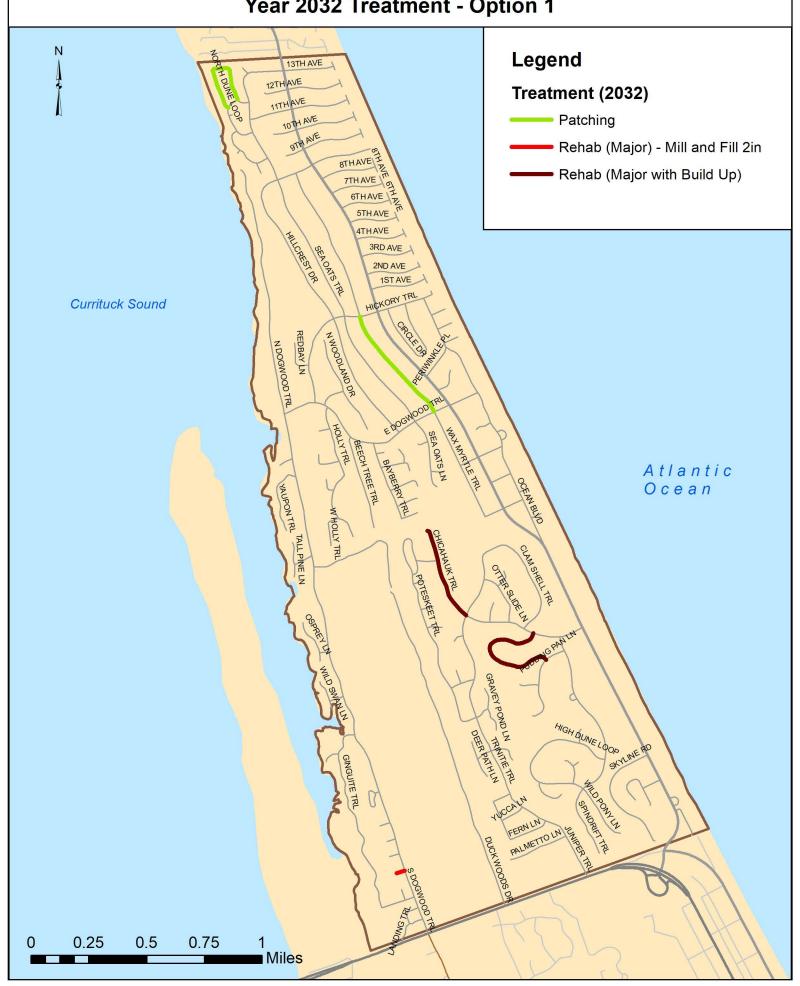
Town of Southern Shores Year 2031 Treatment - Option 1



Year 2032	Option 1					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2032)	Cost 2032	Class
112	CHICAHAUK TRL	CLAMSHELL TRL	DEAD END	Rehab (Major with Build Up)	\$250,019	Α
134	CROOKED BACK LOOP	CHICAHAUK TRL	PUDDING PAN LN	Rehab (Major with Build Up)	\$319,448	В
85	WAX MYRTLE TRL	HICKORY TRL	E DOGWOOD TRL	Patching	\$52,309	В
34	NORTH DUNE LOOP	SOUNDVIEW TRL	SOUNDVIEW TRL	Patching	\$38,529	В
162	WIDGEON CT	S DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$13,514	С
					\$673,818	Yearly Total

Option 1 A-12

Town of Southern Shores Year 2032 Treatment - Option 1



APPENDIX B

TOWN OF SOUTHERN SHORES CAPITAL IMPROVEMENT PLAN_OPTION 2

Year 2021	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2021)	Cost 2021	Class
51	HILLCREST DR	SEA OATS TRL	HICKORY TRL	Patching	\$97,367	А
128	TRINITIE TRL	CHICAHAUK TRL	EAGLES NEST LN	Patching	\$55,332	Α
90	HILLCREST DR	HICKORY TRL	E DOGWOOD TRL	Patching	\$51,494	Α
153	S DOGWOOD TRL	GINGUITE TRL	TEAL CT	Patching	\$12,233	Α
26	SEA OATS TRL	SOUNDVIEW TRL	NC 12	Patching	\$25,932	Α
111	S DOGWOOD TRL	YAUPON TRL	FAIRWAY DR	Patching	\$53,383	Α
130	S DOGWOOD TRL	FAIRWAY DR	GINGUITE TRL	Patching	\$106,851	Α
95	S DOGWOOD TRL	E DOGWOOD TRL	YAUPON TRL	Patching	\$7,782	Α
11	HAPPY INDIAN LN	HIGH DUNE LOOP	DEAD END	Patching	\$3,592	В
33	SOUNDVIEW TRL	SEA OATS TRL	NORTH DUNE LOOP	Patching	\$22,737	В
54	6TH AVE	NC 12	6TH AVE	Patching	\$80,840	В
12	HIGH DUNE LOOP	SPINDRIFT TRL	SPINDRIFT TRL	Patching	\$60,981	В
58	4TH AVE	NC 12	4TH AVE	Patching	\$0	В
29	12TH AVE	NC 12	12TH AVE	Patching	\$18,784	В
53	6TH AVE	DEAD END	DEAD END	Patching	\$4,745	В
50	7TH AVE	NC 12	7TH AVE	Patching	\$18,244	В
121	FAIRWAY DR	S DOGWOOD TRL	EOM	Patching	\$13,635	В
142	GRAVEY POND LN	DEAD END	DEAD END	Patching	\$5,267	В
126	TURTLE POND CT	POTESKEET TRL	DEAD END	Patching	\$9,735	С
81	WOODLAND DR	E DOGWOOD TRL	N WOODLAND DR	Patching	\$16,065	С
92	MIZZENMAST LN	SEA OATS LN	DEAD END	Patching	\$6,578	С
					\$671,577	Yearly Total

Town of Southern Shores Year 2021Treatment - Option 2



Year 2022	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2022)	Cost 2022	Class
65	HICKORY TRL	NC 12	DEAD END	Patching	\$99,966	Α
71	HICKORY TRL	HILLCREST DR	WAX MYRTLE TRL	Patching	\$16,217	Α
69	HICKORY TRL	WAX MYRTLE TRL	NC 12	Patching	\$12,210	Α
84	E DOGWOOD TRL	BAYBERRY TRL	WAX MYRTLE TRL	Patching	\$67,693	Α
125	CHICAHAUK TRL	CLAM SHELL TRL	SPINDRIFT TRL	Patching	\$238,628	Α
38	SEA OATS TRL	SOUNDVIEW TRL	HILLCREST DR	Patching	\$32,675	Α
82	E DOGWOOD TRL	N DOGWOOD TRL	BAYBERRY TRL	Patching	\$14,095	Α
86	SEA OATS TRL	HICKORY TRL	E DOGWOOD TRL	Patching	\$50,011	Α
68	SEA OATS TRL	HILLCREST DR	HICKORY TRL	Patching	\$19,835	Α
157	S DOGWOOD TRL	TEAL CT	CROATAN HWY	Patching	\$15,117	Α
47	HILLCREST DR	SEA OATS TRL	NC 12	Patching	\$4,929	Α
64	1ST AVE	NC 12	1ST AVE	Rehab (Major with Build Up)	\$120,206	В
74	CIRCLE DR	HICKORY TRL	HICKORY TRL	Rehab (Major with Build Up)	\$257,392	В
80	OCEAN BLVD	PERIWINKLE PL	E DOGWOOD TRL	Patching	\$19,990	В
77	PERIWINKLE PL	NC 12	OCEAN BLVD	Patching	\$13,867	В
63	1ST AVE	DEAD END	DEAD END	Patching	\$3,235	В
11	HAPPY INDIAN LN	HIGH DUNE LOOP	DEAD END	Patching	\$3,627	В
55	5TH AVE	DEAD END	DEAD END	Patching	\$3,735	В
					\$993,427	Yearly Total

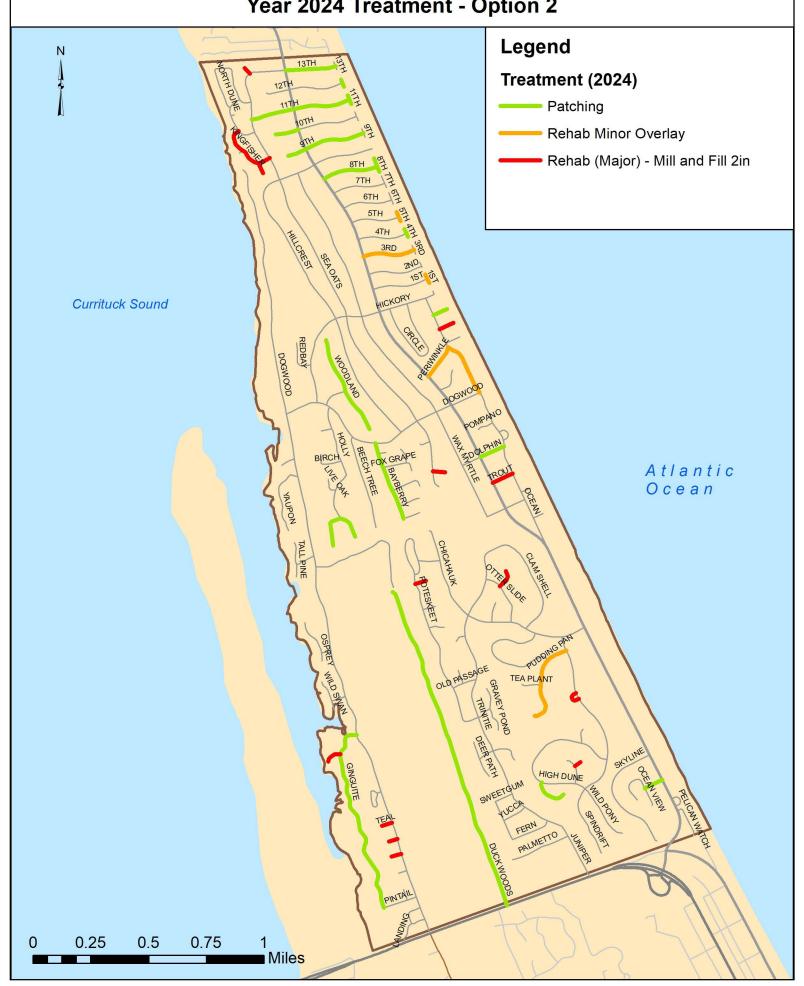
Town of Southern Shores Year 2022 Treatment - Option 2 Legend Treatment (2022) 12TH Patching OTH Rehab (Major with Build Up) 8ТН 7TH 6TH 5TH HILLCREST 4TH 3RD **Currituck Sound** DOGWOOD DOGWOOD ONPANO BIRCH BERGY GRAPE Atlantic Ocean TEA PLANT HIGH DUNE FERN PINTAIL 0.25 0.5 0.75 1 Miles

Year 2023	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2023)	Cost 2023	Class
60	3RD AVE	NC 12	3RD AVE	Patching	\$30,665	В
133	PUDDING PAN LN	SPINDRIFT TRL	DEAD END	Patching	\$33,769	В
127	CLAM SHELL TRL	CHICAHAUK TRL	OTTER SLIDE LN	Patching	\$59,705	В
1	SEA OATS LN	E DOGWOOD TRL	DEAD END	Patching	\$28,163	В
59	3RD AVE	DEAD END	DEAD END	Patching	\$2,121	В
56	5TH AVE	NC 12	5TH AVE	Patching	\$28,348	В
171	OTTER SLIDE LN	CLAM SHELL TRL	CHICAHAUK TRL	Patching	\$21,762	В
32	SOUNDVIEW TRL	NORTH DUNE LOOP	SEA OATS TRL	Patching	\$4,941	В
155	WILD PONY LN	SPINDRIFT TRL	DEAD END	Patching	\$7,835	В
49	7TH AVE	DEAD END	DEAD END	Patching	\$2,970	В
6	OCEAN BLVD	DOLPHIN RUN	PORPOISE RUN	Patching	\$33,806	В
108	OCEAN BLVD	PORPOISE RUN	NC 12	Patching	\$35,328	В
79	SANDFIDDLER CT	NC 12	DEAD END	Patching	\$17,130	В
14	SPINDRIFT TRL	HIGH DUNE LOOP	DEAD END	Patching	\$43,624	В
18	OCEAN VIEW LOOP	DEAD END	DEAD END	Patching	\$23,450	В
129	SPINDRIFT TRL	CHICAHAUK TRL	HIGH DUNE LOOP	Patching	\$52,943	В
87	OCEAN BLVD	E DOGWOOD TRL	DOLPHIN RUN	Patching	\$22,377	В
9	PORPOISE RUN	WAX MYRTLE TRL	NC 12	Patching	\$6,271	В
8	PORPOISE RUN	NC 12	OCEAN BLVD	Patching	\$11,059	В
134	CROOKED BACK LOOP	CHICAHAUK TRL	PUDDING PAN LN	Patching	\$47,899	В
85	WAX MYRTLE TRL	HICKORY TRL	E DOGWOOD TRL	Patching	\$48,105	В
34	NORTH DUNE LOOP	SOUNDVIEW TRL	SOUNDVIEW TRL	Patching	\$35,433	В
61	2ND AVE	DEAD END	DEAD END	Patching	\$2,728	В
36	10TH AVE	DEAD END	DEAD END	Patching	\$2,895	В
39	10TH AVE	NC 12	10TH AVE	Patching	\$18,861	В
40	9TH AVE	DEAD END	DEAD END	Patching	\$2,862	В
158	SKYLINE RD	NC 12	DEAD END	Patching	\$44,528	В
138	TEA PLANT CT	PUDDING PAN LN	DEAD END	Patching	\$7,588	В
100	WAX MYRTLE TRL	E DOGWOOD TRL	PORPOISE RUN	Patching	\$36,650	В
70	WAX MYRTLE TRL	HILLCREST DR	HICKORY TRL	Patching	\$103,433	В
24	13TH AVE	DEAD END	DEAD END	Patching	\$3,262	В
99	DOLPHIN RUN	WAX MYRTLE TRL	NC 12	Patching	\$6,262	В
52	N DOGWOOD TRL	E DOGWOOD TRL	DEAD END	Patching	\$98,538	В
62	2ND AVE	NC 12	2ND AVE	Patching	\$19,315	В
67	OCEAN BLVD	HICKORY TRL	PERIWINKLE PL	Patching	\$21,133	В
89	POMPANO CT	OCEAN BLVD	DEAD END	Patching	\$4,433	В
124	GOOSE FEATHER LN	CHICAHAUK TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$26,409	C
		•	•		\$996,598	Yearly Tot

Town of Southern Shores Year 2023 Treatment - Option 2 Legend Treatment (2023) 12TH Patching OTH Rehab (Major) - Mill and Fill 2in 8ТН 7TH 6TH 5TH HILLCREST 4TH 2ND 15/10 **Currituck Sound** DOGWOOD MOODLAND DOGWOOD OMPANO BIRCH PROX GRAPE Atlantic Ocean OLD PASSAGE TEA PLANT HIGH DUNE FERN PINTAIL 0.25 0.5 0.75 1 Miles

Year 2024	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2024)	Cost 2024	Class
80	OCEAN BLVD	PERIWINKLE PL	E DOGWOOD TRL	Rehab Minor Overlay	\$59,788	В
77	PERIWINKLE PL	NC 12	OCEAN BLVD	Rehab Minor Overlay	\$41,473	В
63	1ST AVE	DEAD END	DEAD END	Rehab Minor Overlay	\$9,674	В
55	5TH AVE	DEAD END	DEAD END	Rehab Minor Overlay	\$6,702	В
60	3RD AVE	NC 12	3RD AVE	Rehab Minor Overlay	\$54,494	В
133	PUDDING PAN LN	SPINDRIFT TRL	DEAD END	Rehab Minor Overlay	\$100,018	В
13	OCEAN VIEW LOOP	OCEANVIEW LOOP	NC 12	Patching	\$12,842	В
21	DUCK WOODS DR	CROATAN HWY	DEAD END	Patching	\$133,073	В
42	9TH AVE	NC 12	9TH AVE	Patching	\$6,419	В
57	4TH AVE	DEAD END	DEAD END	Patching	\$2,667	В
78	N WOODLAND DR	DEAD END	DEAD END	Patching	\$31,869	В
31	11TH AVE	DEAD END	DEAD END	Patching	\$2,932	В
28	12TH AVE	DEAD END	DEAD END	Patching	\$2,519	В
46	8TH AVE	DEAD END	DEAD END	Patching	\$4,652	В
25	13TH AVE	NC 12	13TH AVE	Patching	\$6,646	В
94	DOLPHIN RUN	NC 12	OCEAN BLVD	Patching	\$13,617	В
23	GINGUITE TRL	PINTAIL TRL	S DOGWOOD TRAIL	Patching	\$78,024	В
5	BAYBERRY TRL	E DOGWOOD TRL	SCUPPERNONG LN	Patching	\$28,784	В
16	TALL CLIFF LN	HIGH DUNE LOOP	DEAD END	Patching	\$4,351	В
110	W HOLLY TRL	HOLLY TRL	DEAD END	Patching	\$13,478	В
66	PURPLE MARTIN LN	OCEAN BLVD	DEAD END	Patching	\$4,117	В
107	E HOLLY TRL	HOLLY TRL	DEAD END	Patching	\$2,660	В
48	8TH AVE	NC 12	8TH AVE	Patching	\$5,882	В
72	SAND PIPER LN	OCEAN BLVD	DEAD END	Rehab (Major) - Mill and Fill 2in	\$16,632	В
37	11TH AVE	SEA OATS TRL	NC 12	Patching	\$17,268	В
41	10TH AVE	NC 12	DEAD END	Patching	\$7,375	В
35	11TH AVE	NC 12	11TH AVE	Patching	\$20,390	В
44	9TH AVE	NC 12	DEAD END	Patching	\$5,998	В
150	HAPPY INDIAN CT	HAPPY INDIAN LN	DEAD END	Rehab (Major) - Mill and Fill 2in	\$10,164	С
103	BRIGHT LANTERN LN	SEA OATS LN	DEAD END	Rehab (Major) - Mill and Fill 2in	\$18,196	C
172	KINGFISHER CT	KINGFISHER TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$15,967	C
43	KINGFISHER TRL	SOUNDVIEW TRL	SEA OATS TRL	Rehab (Major) - Mill and Fill 2in	\$86,661	С
120	OYSTER BED LN	POTESKEET TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$27,302	
119	BENT OAK CT	POTESKEET TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$16,123	C
139	LAND FALL LOOP	SPINDRIFT TRL	SPINDRIFT TRL	Rehab (Major) - Mill and Fill 2in	\$22,925	C
149	POINT COMFORT LN	GINGUITE TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$22,323	С
154	TEAL CT	S DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$14,105	C
104	TROUT RUN	NC 12	OCEAN BLVD	Rehab (Major) - Mill and Fill 2in		C
	WOOD DUCK CT		DEAD END	Rehab (Major) - Mill and Fill 2in	\$32,083 \$14,221	С
160		S DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in		
159 27	BLUE PETE CT SEA OATS CT	S DOGWOOD TRL SEA OATS TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$12,801 \$11,050	C C
۷1	JLA UATS CT	SLA UATS TRE	DEAD END	nenau (iviajui) - iviili aliu Fili Zifi	311,030	L

Town of Southern Shores Year 2024 Treatment - Option 2



Year 2025	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2025)	Cost 2025	Class
65	HICKORY TRL	NC 12	DEAD END	Rehab (Major) - Mill and Fill 2in	\$76,837	Α
51	HILLCREST DR	SEA OATS TRL	HICKORY TRL	Rehab (Major) - Mill and Fill 2in	\$226,739	Α
90	HILLCREST DR	HICKORY TRL	E DOGWOOD TRL	Rehab (Major) - Mill and Fill 2in	\$199,857	Α
127	CLAM SHELL TRL	CHICAHAUK TRL	OTTER SLIDE LN	Rehab Minor Overlay	\$178,536	В
1	SEA OATS LN	E DOGWOOD TRL	DEAD END	Rehab Minor Overlay	\$84,217	В
59	3RD AVE	DEAD END	DEAD END	Rehab Minor Overlay	\$6,343	В
56	5TH AVE	NC 12	5TH AVE	Rehab Minor Overlay	\$50,862	В
33	SOUNDVIEW TRL	SEA OATS TRL	NORTH DUNE LOOP	Rehab Minor Overlay	\$69,336	В
171	OTTER SLIDE LN	CLAM SHELL TRL	CHICAHAUK TRL	Rehab Minor Overlay	\$65,076	В
145	LAST HUNT LN	HIGH DUNE LOOP	DEAD END	Rehab (Major) - Mill and Fill 2in	\$22,008	С
122	TWISTED TREE CT	POTESKEET TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$18,779	С
					\$998,588	Yearly Total

Town of Southern Shores Year 2025 Treatment - Option 2 Legend Treatment (2025) 12TH Rehab Minor Overlay OTH Rehab (Major) - Mill and Fill 2in 8ТН 7TH 6TH 5TH 4TH 2ND 15/10 **Currituck Sound** DOGWOOD DOGWOOD OMPANO BIRCH PROX GRAPE Atlantic Ocean TEA PLANT HIGH DUNE FERN PINTAIL 0.25 0.5 0.75 1 Miles

Year 2026	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2026)	Cost 2026	Class
128	TRINITIE TRL	CHICAHAUK TRL	EAGLES NEST LN	Rehab (Major) - Mill and Fill 2in	\$216,801	Α
153	S DOGWOOD TRL	GINGUITE TRL	TEAL CT	Rehab (Major) - Mill and Fill 2in	\$143,793	Α
26	SEA OATS TRL	SOUNDVIEW TRL	NC 12	Rehab (Major) - Mill and Fill 2in	\$101,606	Α
112	CHICAHAUK TRL	CLAMSHELL TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$144,033	Α
45	HILLCREST DR	NC 12	DEAD END	Rehab (Major) - Mill and Fill 2in	\$72,646	Α
15	TRINITIE TRL	DEER PATH LN	SWEETGUM LN	Rehab (Major) - Mill and Fill 2in	\$71,148	Α
32	SOUNDVIEW TRL	NORTH DUNE LOOP	SEA OATS TRL	Rehab Minor Overlay	\$14,915	В
155	WILD PONY LN	SPINDRIFT TRL	DEAD END	Rehab Minor Overlay	\$70,958	В
54	6TH AVE	NC 12	6TH AVE	Rehab (Major) - Mill and Fill 2in	\$63,349	В
49	7TH AVE	DEAD END	DEAD END	Rehab Minor Overlay	\$8,965	В
53	6TH AVE	DEAD END	DEAD END	Rehab Minor Overlay	\$8,765	В
115	TALL PINE LN	TALL PINE LN	S DOGWOOD TRL	Rehab Minor Overlay	\$13,806	В
126	TURTLE POND CT	POTESKEET TRL	DEAD END	Rehab Minor Overlay	\$17,982	С
81	WOODLAND DR	E DOGWOOD TRL	N WOODLAND DR	Rehab Minor Overlay	\$29,675	С
92	MIZZENMAST LN	SEA OATS LN	DEAD END	Rehab Minor Overlay	\$12,150	С
		_	_		\$990,589	Yearly Total

Town of Southern Shores Year 2026 Treatment - Option 2 Legend 13TH Treatment (2026) 12TH Rehab Minor Overlay Rehab (Major) - Mill and Fill 2in 8ТН 7TH 6TH 5TH HILLCREST 4TH 3RD 2ND 15/10 **Currituck Sound** DOGWOOD DOGWOOD OMPANO HOLLY BE FOX GRAPE WE OF THE BARBARA Atlantic Ocean TEA PLANT HIGH DUNE WIIID POWY FERN PINTAIL 0.25 0.5 0.75 1 Miles

Year 2027	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2027)	Cost 2027	Class
134	CROOKED BACK LOOP	CHICAHAUK TRL	PUDDING PAN LN	Thin Lift	\$99,517	В
85	WAX MYRTLE TRL	HICKORY TRL	E DOGWOOD TRL	Thin Lift	\$99,947	В
34	NORTH DUNE LOOP	SOUNDVIEW TRL	SOUNDVIEW TRL	Thin Lift	\$73,617	В
61	2ND AVE	DEAD END	DEAD END	Thin Lift	\$3,400	В
36	10TH AVE	DEAD END	DEAD END	Thin Lift	\$6,014	В
39	10TH AVE	NC 12	10TH AVE	Thin Lift	\$39,188	В
158	SKYLINE RD	NC 12	DEAD END	Thin Lift	\$92,515	В
100	WAX MYRTLE TRL	E DOGWOOD TRL	PORPOISE RUN	Thin Lift	\$76,147	В
70	WAX MYRTLE TRL	HILLCREST DR	HICKORY TRL	Thin Lift	\$128,940	В
12	HIGH DUNE LOOP	SPINDRIFT TRL	SPINDRIFT TRL	Rehab Minor Overlay	\$189,505	В
58	4TH AVE	NC 12	4TH AVE	Rehab Minor Overlay	\$47,230	В
29	12TH AVE	NC 12	12TH AVE	Rehab Minor Overlay	\$58,372	В
50	7TH AVE	NC 12	7TH AVE	Rehab Minor Overlay	\$56,695	В
30	12TH AVE	NC 12	DEAD END	Rehab Minor Overlay	\$28,357	В
					\$999,444	Yearly Total

Town of Southern Shores Year 2027 Treatment - Option 2 Legend Treatment (2027) 12TH Thin Lift OTH Rehab Minor Overlay 8TH OTH THE OTHER 5TH HILLCREST 4TH 3RD 2ND 15T 0 **Currituck Sound** DOGWOOD DOGWOOD OMPANO BIRCH PROX GRAPE Atlantic Ocean OLD PASSAGE TEA PLANT HIGH DUNE FERN PINTAII 0.25 0.5 0.75 1 Miles

Year 2028	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2028)	Cost 2028	Class
69	HICKORY TRL	WAX MYRTLE TRL	NC 12	Rehab (Major) - Mill and Fill 2in	\$28,959	Α
84	E DOGWOOD TRL	BAYBERRY TRL	WAX MYRTLE TRL	Rehab (Major) - Mill and Fill 2in	\$267,585	Α
125	CHICAHAUK TRL	CLAM SHELL TRL	SPINDRIFT TRL	Rehab (Major) - Mill and Fill 2in	\$188,657	Α
38	SEA OATS TRL	SOUNDVIEW TRL	HILLCREST DR	Rehab (Major) - Mill and Fill 2in	\$129,163	Α
82	E DOGWOOD TRL	N DOGWOOD TRL	BAYBERRY TRL	Rehab (Major) - Mill and Fill 2in	\$167,147	Α
86	SEA OATS TRL	HICKORY TRL	E DOGWOOD TRL	Rehab (Major) - Mill and Fill 2in	\$197,692	Α
	_				\$979,202	Yearly Total

Town of Southern Shores Year 2028 Treatment - Option 2 Legend Treatment (2028) 12TH Rehab (Major) - Mill and Fill 2in OTH 8ТН 7TH 6TH 5TH HILLCREST 4TH 3RD 2ND 15/10 **Currituck Sound** DOGWOOD OMPANO BIRCH BETCH TREE Atlantic Ocean TEA PLANT HIGH DUNE FERN PINTAIL 0.25 0.5 0.75 1 Miles

Year 2029	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2029)	Cost 2029	Class
71	HICKORY TRL	HILLCREST DR	WAX MYRTLE TRL	Rehab (Major) - Mill and Fill 2in	\$38,818	Α
68	SEA OATS TRL	HILLCREST DR	HICKORY TRL	Rehab (Major) - Mill and Fill 2in	\$237,392	Α
157	S DOGWOOD TRL	TEAL CT	CROATAN HWY	Rehab (Major) - Mill and Fill 2in	\$180,931	Α
47	HILLCREST DR	SEA OATS TRL	NC 12	Rehab (Major) - Mill and Fill 2in	\$58,994	Α
75	HICKORY TRL	HILLCREST DR	E DOGWOOD TRL	Rehab (Major) - Mill and Fill 2in	\$146,109	Α
11	HAPPY INDIAN LN	HIGH DUNE LOOP	DEAD END	Rehab Minor Overlay	\$34,113	В
6	OCEAN BLVD	DOLPHIN RUN	PORPOISE RUN	Rehab Minor Overlay	\$62,965	В
108	OCEAN BLVD	PORPOISE RUN	NC 12	Rehab Minor Overlay	\$65,799	В
79	SANDFIDDLER CT	NC 12	DEAD END	Rehab Minor Overlay	\$31,905	В
14	SPINDRIFT TRL	HIGH DUNE LOOP	DEAD END	Rehab Minor Overlay	\$135,417	В
					\$992,442	Yearly Total

Town of Southern Shores Year 2029 Treatment - Option 2 Legend Treatment (2029) 12TH Rehab Minor Overlay OTH Rehab (Major) - Mill and Fill 2in 8ТН 7TH 6TH 5TH 4TH 2ND 15/10 **Currituck Sound** DOGWOOD DOGWOOD ONPANO HOLLY BE FOX GRAPE WE OF THE BARBARA Atlantic Ocean TEA PLANT HIGH DUNE FERN PINTAL 0.25 0.5 0.75 1 Miles

Year 2030	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2030)	Cost 2030	Class
40	9TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$11,410	В
94	DOLPHIN RUN	NC 12	OCEAN BLVD	Rehab Minor Overlay	\$25,348	В
23	GINGUITE TRL	PINTAIL TRL	S DOGWOOD TRAIL	Rehab Minor Overlay	\$242,075	В
5	BAYBERRY TRL	E DOGWOOD TRL	SCUPPERNONG LN	Rehab Minor Overlay	\$89,304	В
16	TALL CLIFF LN	HIGH DUNE LOOP	DEAD END	Rehab Minor Overlay	\$40,495	В
110	W HOLLY TRL	HOLLY TRL	DEAD END	Rehab Minor Overlay	\$41,815	В
66	PURPLE MARTIN LN	OCEAN BLVD	DEAD END	Rehab Minor Overlay	\$12,772	В
107	E HOLLY TRL	HOLLY TRL	DEAD END	Rehab Minor Overlay	\$24,754	В
48	8TH AVE	NC 12	8TH AVE	Rehab Minor Overlay	\$54,744	В
37	11TH AVE	SEA OATS TRL	NC 12	Rehab Minor Overlay	\$53,574	В
73	MOCKINGBIRD LN	OCEAN BLVD	DEAD END	Rehab Minor Overlay	\$13,846	В
41	10TH AVE	NC 12	DEAD END	Rehab Minor Overlay	\$22,880	В
35	11TH AVE	NC 12	11TH AVE	Rehab Minor Overlay	\$63,262	В
44	9TH AVE	NC 12	DEAD END	Rehab Minor Overlay	\$18,611	В
164	FERN LN	JUNIPER TRL	CYPRESS LN	Patching	\$5,168	В
152	CYPRESS LN	SWEETGUM LN	FERN LN	Patching	\$5,885	В
151	YUCCA LN	CYPRESS LN	JUNIPER TRL	Rehab Minor Overlay	\$27,635	С
97	BIRCH LN	HOLLY TRL	DEAD END	Rehab Minor Overlay	\$21,579	С
22	PINTAIL TRL	GINGUITE TRL	S DOGWOOD TRL	Rehab Minor Overlay	\$41,869	С
3	LIVE OAK LN	HOLLY TRL	DEAD END	Rehab Minor Overlay	\$16,267	С
88	LOBLOLLY LN	HOLLY TRL	DEAD END	Rehab Minor Overlay	\$12,067	С
136	OLD PASSAGE LN	POTESKEET TRL	TRINITIE TRL	Rehab Minor Overlay	\$30,012	С
148	EAGLES NEST LN	TRINITIE TRL	DEAD END	Rehab Minor Overlay	\$27,981	С
162	WIDGEON CT	S DOGWOOD TRL	DEAD END	Rehab Minor Overlay	\$10,429	С
17	SWEETGUM LN	CYPRESS LN	TRINITIE TRL	Rehab Minor Overlay	\$22,753	С
98	SASSAFRAS LN	S DOGWOOD TRL	DEAD END	Rehab Minor Overlay	\$10,425	С
76	REDBAY LN	HICKORY TRL	DEAD END	Rehab Minor Overlay	\$35,698	С
163	PINTAIL CT	PINTAIL TRL	DEAD END	Rehab Minor Overlay	\$13,783	С
					\$996,443	Yearly Total

Town of Southern Shores Year 2030 Treatment - Option 2 Legend 13TH Treatment (2030) 12TH Patching OTH MACKIGHER Rehab Minor Overlay 8TH OF THE OF TH Rehab (Major) - Mill and Fill 2in 5TH HILLCREST 4TH 3RD 2ND 15/10 **Currituck Sound** DOGWOOD DOGWOOD ONPANO BIRCH TO BEEF FOX GRAPE LVE OF THE BEEF FOX GRAPE BEEF FOX GRAPE BARBERRAY AND THE BEEF FOX GRAPE BEEF FO A ADOLPHIN Atlantic Ocean OLD PASSAGE TEA PLANT HIGH DUNE SWEETGUM NCCA FERN PINTAI 0.25 0.5 0.75 1

Miles

Year 2031	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2031)	Cost 2031	Class
18	OCEAN VIEW LOOP	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$94,345	В
129	SPINDRIFT TRL	CHICAHAUK TRL	HIGH DUNE LOOP	Rehab (Major) - Mill and Fill 2in	\$213,005	В
13	OCEAN VIEW LOOP	OCEANVIEW LOOP	NC 12	Rehab (Major) - Mill and Fill 2in	\$30,703	В
87	OCEAN BLVD	E DOGWOOD TRL	DOLPHIN RUN	Rehab (Major) - Mill and Fill 2in	\$90,027	В
9	PORPOISE RUN	WAX MYRTLE TRL	NC 12	Rehab (Major) - Mill and Fill 2in	\$25,231	В
8	PORPOISE RUN	NC 12	OCEAN BLVD	Rehab (Major) - Mill and Fill 2in	\$26,696	В
24	13TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$13,126	В
52	N DOGWOOD TRL	E DOGWOOD TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$237,868	В
62	2ND AVE	NC 12	2ND AVE	Rehab (Major) - Mill and Fill 2in	\$77,710	В
67	OCEAN BLVD	HICKORY TRL	PERIWINKLE PL	Rehab (Major) - Mill and Fill 2in	\$85,023	В
89	POMPANO CT	OCEAN BLVD	DEAD END	Rehab (Major) - Mill and Fill 2in	\$17,834	В
42	9TH AVE	NC 12	9TH AVE	Rehab (Major) - Mill and Fill 2in	\$76,735	В
57	4TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$10,625	В
			-		\$998,929	Yearly Total

Option 2 B-11

Town of Southern Shores Year 2031 Treatment - Option 2 Legend Treatment (2031) 12TH Rehab (Major) - Mill and Fill 2in OTH 8ТН 7TH 6TH 5TH HILLCREST 4TH 2ND 15T 0 **Currituck Sound** DOGWOOD DOGWOOD BIRCH PROX GRAPE Atlantic Ocean TEA PLANT HIGH DUNE FERN PINTAIL 0.25 0.5 0.75 1 Miles

Year 2032	Option 2					
SectionID	Street Name	BEG_DESC	END_DESC	Treatment (2032)	Cost 2032	Class
99	DOLPHIN RUN	WAX MYRTLE TRL	NC 12	Patching	\$6,809	В
21	DUCK WOODS DR	CROATAN HWY	DEAD END	Rehab (Major) - Mill and Fill 2in	\$535,022	В
78	N WOODLAND DR	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$128,131	В
31	11TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$11,786	В
28	12TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$10,128	В
46	8TH AVE	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$18,705	В
25	13TH AVE	NC 12	13TH AVE	Rehab (Major) - Mill and Fill 2in	\$80,166	В
147	DEER PATH LN	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$57,576	В
161	PALMETTO LN	JUNIPER TRL	DEAD END	Rehab (Major) - Mill and Fill 2in	\$86,362	В
142	GRAVEY POND LN	DEAD END	DEAD END	Rehab (Major) - Mill and Fill 2in	\$65,416	В
					\$1,000,101	Yearly Total

Option 2 B-12

Town of Southern Shores Year 2032 Treatment - Option 2 Legend Treatment (2032) 12TH Patching OTH Rehab (Major) - Mill and Fill 2in 8TH 8TH 7TH 17 OF 5TH HILLCREST 4TH 3RD 2ND 15/10 **Currituck Sound** DOGWOOD DOGWOOD OMPANO BIRCH Y BEEF FOX GRAPE Atlantic Ocean TEA PLANT HIGH DUNE PINTAIL 0.25 0.5 0.75 1 Miles

APPENDIX C

2021 TOWN OF SOUTHERN SHORES
PAVEMENT CONDITION SURVEY
ALPHABETICAL LIST OF SEGMENTS

					Арј	oendix C - Alph	abetical Lis	t of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
36	10TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	210.78	16	374.71	64.65	False	None
39	10TH AVE	В	NC 12	10TH AVE	MEDIUM/5-10	MEDIUM/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,373.41	16	2441.61	64.65	False	None
41	10TH AVE	В	NC 12	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	NONE	LOW/EXTREME	NONE	MEDIUM/5-10	531.82	16	945.46	67.74	False	None
31	11TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/0-5	211.41	16	375.84	65.78	False	None
35	11TH AVE	В	NC 12	11TH AVE	MEDIUM/5-10	MEDIUM/HIGH	NONE	LOW/EXTREME	NONE	MEDIUM/5-10	1,307.06	18	2614.12	67.74	False	None
37	11TH AVE	В	SEA OATS TRL	NC 12	MEDIUM/5-10	MEDIUM/HIGH	MEDIUM/0-5	LOW/EXTREME	NONE	MEDIUM/5-10	996.22	20	2213.82	67.64	False	None
28	12TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/0-5	170.98	17	322.97	65.78	False	None
29	12TH AVE	В	NC 12	12TH AVE	LOW/5-10	MEDIUM/MEDIUM	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/0-5	1,239.85	18	2479.7	65.85	False	None
30	12TH AVE	В	NC 12	DEAD END	LOW/0-5	MEDIUM/MEDIUM	NONE	LOW/EXTREME	MEDIUM/LOW	MEDIUM/0-5	542.08	20	1204.61	78.86	False	None
24	13TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	190.04	20	422.32	64.90	False	None
25	13TH AVE	В	NC 12	13TH AVE	LOW/0-5	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,150.35	20	2556.33	65.99	False	None
63	1ST AVE	В	DEAD END	DEAD END	MEDIUM/5-10	HIGH/MEDIUM	NONE	HIGH/EXTREME	NONE	MEDIUM/10-25	211.41	18	422.81	50.44	FALSE	None
64	1ST AVE	В	NC 12	1ST AVE	MEDIUM/25-50	HIGH/MEDIUM	MEDIUM/5-10	HIGH/EXTREME	LOW/LOW	MEDIUM/10-25	1,280.96	18	2561.93	47.97	FALSE	None
61	2ND AVE	В	DEAD END	DEAD END	MEDIUM/10-25	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	119.17	16	211.85	64.53	FALSE	None
62	2ND AVE	В	NC 12	2ND AVE	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,250.16	18	2500.31	65.11	FALSE	None
59	3RD AVE	В	DEAD END	DEAD END	MEDIUM/5-10	HIGH/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	205.93	12	274.57	55.03	False	None
60	3RD AVE	В	NC 12	3RD AVE	MEDIUM/10-25	HIGH/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,190.86	18	2381.72	54.50	FALSE	None
57	4TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	LOW/MEDIUM	NONE	MEDIUM/EXTREME		MEDIUM/10-25	192.30	16	341.87	65.58	False	None
58	4TH AVE	В	NC 12	4TH AVE	NONE	MEDIUM/MEDIUM		MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,128.59	16	2006.39	65.28	False	None
55	5TH AVE	В	DEAD END	DEAD END	MEDIUM/10-25	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME		MEDIUM/10-25	219.70	12	292.93	54.40	False	None
56	5TH AVE	В	NC 12	5TH AVE	MEDIUM/10-25	HIGH/HIGH	LOW/0-5	MEDIUM/EXTREME		NONE	1,100.90	18	2201.81	55.13	False	None
53	6TH AVE	В	DEAD END	DEAD END	-	MEDIUM/HIGH	HIGH/0-5	LOW/EXTREME		MEDIUM/5-10	281.88	12	375.84	66.81	False	None
54	6TH AVE	В	NC 12	6TH AVE	MEDIUM/25-50	MEDIUM/HIGH	HIGH/0-5	LOW/EXTREME		MEDIUM/10-25	1,129.97	17	2134.39	55.69	False	None
49	7TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	HIGH/HIGH	NONE	LOW/EXTREME	LOW/LOW	MEDIUM/10-25	288.33	12	384.44	56.04	False	None
50	7TH AVE	В	NC 12	7TH AVE	MEDIUM/5-10	MEDIUM/HIGH	HIGH/0-5	LOW/EXTREME	NONE	MEDIUM/5-10	1,204.22	18	2408.44	67.54	False	None
46	8TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	335.50	16	596.45	65.82	False	None
48	8TH AVE	В	NC 12	8TH AVE	LOW/0-5	LOW/MEDIUM	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	1,272.45	16	2262.13	66.90	False	None
40	9TH AVE	B	DEAD END	DEAD END	· .	-				MEDIUM/5-10	208.38	16	370.45	64.65	False	None
42	9TH AVE	В	NC 12	9TH AVE	LOW/0-5	MEDIUM/HIGH			NONE	LOW/0-5	1,388.79	16	2468.96	65.40	False	None
44	9TH AVE	В	NC 12	DEAD END	· .	MEDIUM/HIGH	LOW/0-5	LOW/EXTREME	NONE	LOW/0-5	432.58	16	769.03	67.95	False	None
5	BAYBERRY TRL	В	E DOGWOOD TRL	SCUPPERNONG LN	MEDIUM/5-10	· ·				MEDIUM/5-10	1,845.13	18	3690.26	66.02	False	None
20	BEAR TRACK LN	C	TRINITIE TRL	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	256.58	22	627.2	100.00	False	None
105	BEECH TREE TRL	В	E DOGWOOD TRL	DEAD END	NONE	NONE	NONE	NONE		NONE	2,158.16	18	4316.31	100.00	False	None
119	BENT OAK CT	C	POTESKEET TRL	DEAD END		MEDIUM/LOW	NONE			MEDIUM/0-5	249.15	20	553.67	65.28	False	None
97	BIRCH LN	C	HOLLY TRL	DEAD END	· · · · · · · · · · · · · · · · · · ·	NONE	NONE	LOW/EXTREME		NONE	668.78	12	891.71	81.19	False	None
159	BLUE PETE CT	C	S DOGWOOD TRL	DEAD END	LOW/0-5	MEDIUM/LOW	NONE			MEDIUM/0-5	197.82	20	439.6	67.26	False	None
103	BRIGHT LANTERN LN	С	SEA OATS LN	DEAD END	MEDIUM/5-10	HIGH/HIGH				MEDIUM/5-10	281.19	20	624.86	55.39	False	None
112	CHICAHAUK TRL	A	CLAMSHELL TRL	DEAD END	MEDIUM/5-10	LOW/LOW	NONE	LOW/EXTREME		NONE	2,183.78	20	4852.86	81.03	False	None
125	CHICAHAUK TRL	A	CLAM SHELL TRL	SPINDRIFT TRL						MEDIUM/10-25	2,807.39	20	6238.64	64.51	False	Both Sides
74	CIRCLE DR	A 	HICKORY TRL	HICKORY TRL	· .	· · · · · · · · · · · · · · · · · · ·		HIGH/EXTREME		MEDIUM/10-25	2,742.88	18	5485.76	48.42	FALSE	None
123	CLAM SHELL TRL	В	OTTER SLIDE LN	CHICAHAUK TRL	NONE	NONE		NONE		NONE	916.74	20	2037.21	100.00	FALSE	None
127	CLAM SHELL TRL	В	CHICAHAUK TRL	OTTER SLIDE LN	MEDIUM/5-10	HIGH/HIGH		MEDIUM/EXTREME		MEDIUM/5-10	3,477.97	20	7728.83	54.99	False	None
134	CROOKED BACK LOOP	В	CHICAHAUK TRL	PUDDING PAN LN		MEDIUM/HIGH		•		MEDIUM/10-25	2,790.21	20	6200.46	64.16	False	None
152	CYPRESS LN	В	SWEETGUM LN	FERN LN	MEDIUM/0-5	NONE	NONE	LOW/EXTREME		NONE	963.00	20	2139.99	82.25	FALSE	None
146	DEER PATH LN		DEER PATH LN	TRINITIE TRL		NONE	NONE	LOW/EXTREME		NONE	364.04	20	808.97	82.75	False	None
140	DELITATION	D	DEENTAITEN	TAINTIL TAL	WIEDIOWI/O-3	IVOIVE	NONE	LO VV / LATREIVIL	NONE	IVOIVE	304.04	20	000.57	02.75	1 0130	None

					Арј	pendix C - Alph	abetical Lis	t of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
147	DEER PATH LN	В	DEAD END	DEAD END	MEDIUM/0-5	LOW/LOW	MEDIUM/0-5	LOW/EXTREME	NONE	NONE	869.67	19	1835.98	82.38	False	None
93	DEWBERRY LN	С	BAYBERRY TRL	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	174.82	18	349.65	100.00	True	None
94	DOLPHIN RUN	В	NC 12	OCEAN BLVD	MEDIUM/10-25	MEDIUM/LOW	NONE	LOW/EXTREME	NONE	MEDIUM/25-50	589.18	16	1047.44	66.01	False	None
99	DOLPHIN RUN	В	WAX MYRTLE TRL	NC 12	MEDIUM/5-10	MEDIUM/MEDIUM	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	455.94	16	810.57	65.07	False	None
21	DUCK WOODS DR	В	CROATAN HWY	DEAD END	MEDIUM/5-10	MEDIUM/LOW	LOW/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/10-25	7,677.29	20	17060.64	65.38	False	None
82	E DOGWOOD TRL	Α	N DOGWOOD TRL	BAYBERRY TRL	MEDIUM/0-5	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/10-25	2,487.30	20	5527.34	64.97	False	One Side
83	E DOGWOOD TRL	Α	NC 12	OCEAN BLVD	NONE	NONE	NONE	NONE	NONE	NONE	700.48	18	1400.96	100.00	False	One Side
84	E DOGWOOD TRL	Α	BAYBERRY TRL	WAX MYRTLE TRL	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,990.96	40	8848.73	64.16	True	One Side
107	E HOLLY TRL	В	HOLLY TRL	DEAD END	LOW/0-5	NONE	MEDIUM/0-5	MEDIUM/EXTREME	HIGH/LOW	NONE	575.39	16	1022.91	66.54	False	None
148	EAGLES NEST LN	С	TRINITIE TRL	DEAD END	MEDIUM/0-5	NONE	NONE	LOW/EXTREME	LOW/LOW	NONE	650.37	16	1156.22	82.25	False	None
121	FAIRWAY DR	В	S DOGWOOD TRL	EOM	HIGH/5-10	MEDIUM/MEDIUM	NONE	LOW/EXTREME	MEDIUM/LOW	MEDIUM/10-25	900.00	18	1800	77.66	False	None
164	FERN LN	В	JUNIPER TRL	CYPRESS LN	MEDIUM/0-5	MEDIUM/LOW	NONE	LOW/EXTREME	MEDIUM/LOW	NONE	939.72	18	1879.44	81.57	False	None
101	FOX GRAPE LN	В	BAYBERRY TRL	N FOX GRAPE LN	NONE	NONE	NONE	NONE	NONE	NONE	540.53	18	1081.05	100.00	False	None
23	GINGUITE TRL	В	PINTAIL TRL	S DOGWOOD TRAIL	MEDIUM/5-10	MEDIUM/LOW	MEDIUM/0-5	LOW/EXTREME	HIGH/LOW	MEDIUM/25-50	4,501.40	20	10003.1	66.02	False	None
124	GOOSE FEATHER LN	С	CHICAHAUK TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH	NONE	HIGH/EXTREME	NONE	MEDIUM/5-10	457.86	18	915.72	49.74	False	None
142	GRAVEY POND LN	В	DEAD END	DEAD END	HIGH/0-5	NONE	NONE	LOW/EXTREME	NONE	NONE	1,042.99	18	2085.98	82.50	False	None
143	GRAVEY POND LN	В	TRINITIE TRL	GRAVEY POND LN	NONE	NONE	NONE	NONE	NONE	NONE	334.07	20	742.38	100.00	False	None
113	GRAY SQUIRREL LN	С	POTESKEET LOOP	CHICAHAUK TRL	NONE	NONE	NONE	NONE	LOW/LOW	NONE	499.61	20	1110.25	93.00	False	None
150	HAPPY INDIAN CT	С	HAPPY INDIAN LN	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE	HIGH/EXTREME	MEDIUM/LOW	MEDIUM/0-5	157.07	20	349.04	52.50	False	None
11	HAPPY INDIAN LN	В	HIGH DUNE LOOP	DEAD END	HIGH/0-5	MEDIUM/MEDIUM	LOW/0-5	HIGH/EXTREME	NONE	MEDIUM/0-5	640.14	20	1422.54	51.97	False	None
65	HICKORY TRL	A	NC 12	DEAD END	MEDIUM/25-50	MEDIUM/MEDIUM	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,383.62	17	2613.5	55.51	False	None
69	HICKORY TRL	Α	WAX MYRTLE TRL	NC 12	MEDIUM/10-25	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	430.93	20	957.62	64.01	False	
71	HICKORY TRL	Α	HILLCREST DR	WAX MYRTLE TRL	MEDIUM/10-25	MEDIUM/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	602.47	19	1271.89	63.57	False	None
75	HICKORY TRL	Α	HILLCREST DR	E DOGWOOD TRL	LOW/0-5	NONE	MEDIUM/0-5	LOW/EXTREME	NONE	NONE	2,154.29	20	4787.3	82.69	False	None
12	HIGH DUNE LOOP	В	SPINDRIFT TRL	SPINDRIFT TRL	MEDIUM/5-10	MEDIUM/MEDIUM	HIGH/0-5	MEDIUM/EXTREME	HIGH/LOW	MEDIUM/0-5	3,622.65	20	8050.34	64.91	False	None
45	HILLCREST DR	А	NC 12	DEAD END	LOW/0-5	LOW/MEDIUM	NONE	LOW/EXTREME	NONE	LOW/0-5	1,376.79	16	2447.63	81.90	False	One Side
47	HILLCREST DR	Α	SEA OATS TRL	NC 12	LOW/0-5	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	869.84	20	1932.97	66.32	False	None
51	HILLCREST DR	А	SEA OATS TRL	HICKORY TRL	MEDIUM/10-25	MEDIUM/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/25-50	3,856.10	18	7712.21	62.78	True	None
90	HILLCREST DR		HICKORY TRL	E DOGWOOD TRL		MEDIUM/MEDIUM				MEDIUM/5-10	3,059.03	20	6797.85	65.37	False	None
137	HOLLOW BEACH CT		OLD PASSAGE LN	DEAD END	NONE	NONE		NONE		NONE	320.29	18	640.58	100.00	False	None
2	HOLLY TRL	В	E DOGWOOD TRL	HOLLY TRL	NONE	NONE	NONE	NONE	NONE	NONE	2,748.20	20	6107.1	100.00	False	None
4	HONEYSUCKLE LN	В	BAYBERRY TRL	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	746.06	18	1492.13	100.00	False	None
19	JUNIPER TRL	Α	SWEETGUM LN	CROATAN HWY	NONE	LOW/LOW	NONE	NONE		NONE	2,693.16	22	6583.27	96.00	False	One Side
172	KINGFISHER CT	С	KINGFISHER TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH				MEDIUM/5-10	246.74	20	548.3	55.45	True	None
43	KINGFISHER TRL		SOUNDVIEW TRL	SEA OATS TRL	MEDIUM/5-10	HIGH/HIGH		•	NONE	MEDIUM/5-10	1,339.20	20	2976.01	55.45	True	None
139	LAND FALL LOOP		SPINDRIFT TRL	SPINDRIFT TRL	LOW/5-10		NONE			MEDIUM/0-5	354.26	20	787.25	65.57	False	None
145	LAST HUNT LN	C	HIGH DUNE LOOP	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE			MEDIUM/0-5	336.85	20	748.56	67.17	False	None
3	LIVE OAK LN		HOLLY TRL	DEAD END	LOW/0-5	LOW/LOW		LOW/EXTREME		NONE	355.87	17	672.19	81.82	False	None
88	LOBLOLLY LN	C	HOLLY TRL	DEAD END	LOW/0-5	NONE	NONE	LOW/EXTREME		NONE	249.31	18	498.63	82.03	False	None
7	MISTLETOE LN		BAYBERRY TRL	DEAD END	NONE	NONE		NONE	NONE	NONE	495.20	17	935.38	100.00	False	None
92	MIZZENMAST LN	C	SEA OATS LN	DEAD END		MEDIUM/MEDIUM	HIGH/0-5			MEDIUM/5-10	234.45	20	520.99	64.70	False	None
73	MOCKINGBIRD LN	В	OCEAN BLVD	DEAD END	NONE	LOW/LOW		•		NONE	343.29	15	572.15	67.67	False	None
52	N DOGWOOD TRL	В	E DOGWOOD TRL	DEAD END		MEDIUM/LOW				MEDIUM/5-10	5,740.06	12	7653.41	65.09	False	None
96	N FOX GRAPE LN		FOX GRAPE LN	DEAD END	NONE	NONE		NONE		NONE	352.42	18	704.84	100.00	False	None
78	N WOODLAND DR		DEAD END	DEAD END		MEDIUM/LOW				MEDIUM/5-10	2,298.27	16	4085.81	65.64	False	None
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					Арі	pendix C - Alph	abetical Lis	t of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
34	NORTH DUNE LOOP	В	SOUNDVIEW TRL	SOUNDVIEW TRL	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	LOW/LOW	MEDIUM/5-10	2,064.04	20	4586.76	64.39	True	None
6	OCEAN BLVD	В	DOLPHIN RUN	PORPOISE RUN	MEDIUM/10-25	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/25-50	1,312.86	18	2625.72	63.46	False	None
67	OCEAN BLVD	В	HICKORY TRL	PERIWINKLE PL	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,231.03	20	2735.63	65.11	False	None
80	OCEAN BLVD	В	PERIWINKLE PL	E DOGWOOD TRL	MEDIUM/5-10	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/50-75	1,306.55	18	2613.09	49.49	False	None
87	OCEAN BLVD	В	E DOGWOOD TRL	DOLPHIN RUN	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/25-50	1,372.09	19	2896.64	63.94	False	None
108	OCEAN BLVD	В	PORPOISE RUN	NC 12	MEDIUM/10-25	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/25-50	1,234.76	20	2743.91	63.46	False	None
13	OCEAN VIEW LOOP	В	OCEANVIEW LOOP	NC 12	MEDIUM/10-25	MEDIUM/LOW	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/25-50	444.54	20	987.86	63.86	False	None
18	OCEAN VIEW LOOP	В	DEAD END	DEAD END	MEDIUM/5-10	MEDIUM/MEDIUM	LOW/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/25-50	1,366.00	20	3035.56	63.54	False	None
136	OLD PASSAGE LN	С	POTESKEET TRL	TRINITIE TRL	NONE	NONE	NONE	LOW/EXTREME	MEDIUM/LOW	NONE	558.07	20	1240.16	82.08	False	None
131	OSPREY LN	В	OSPREY LN	S DOGWOOD TRL	NONE	NONE	NONE	NONE	NONE	NONE	213.11	18	426.23	100.00	False	None
132	OSPREY LN	В	DEAD END	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	1,009.50	18	2019.01	100.00	False	None
171	OTTER SLIDE LN	В	CLAM SHELL TRL	CHICAHAUK TRL	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,267.71	20	2817.14	55.39	False	None
120	OYSTER BED LN	С	POTESKEET TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	421.90	20	937.57	55.49	False	None
161	PALMETTO LN	В	JUNIPER TRL	DEAD END	NONE	NONE	NONE	LOW/EXTREME	LOW/LOW	NONE	1,376.94	18	2753.88	82.42	False	None
77	PERIWINKLE PL	В	NC 12	OCEAN BLVD	MEDIUM/5-10	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/50-75	815.68	20	1812.62	49.49	False	None
163	PINTAIL CT	С	PINTAIL TRL	DEAD END	LOW/0-5	NONE	NONE	LOW/EXTREME	NONE	NONE	256.30	20	569.56	82.92	True	None
22	PINTAIL TRL	С	GINGUITE TRL	S DOGWOOD TRL	MEDIUM/5-10	MEDIUM/LOW	LOW/0-5	LOW/EXTREME	NONE	MEDIUM/5-10	778.55	20	1730.11	81.45	False	None
149	POINT COMFORT LN	С	GINGUITE TRL	DEAD END	MEDIUM/5-10	LOW/LOW		MEDIUM/EXTREME	NONE	MEDIUM/5-10	366.53	18	733.05	66.61	False	None
89	POMPANO CT	В	OCEAN BLVD	DEAD END	MEDIUM/5-10	MEDIUM/MEDIUM		MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	368.87	14	573.8	65.16	False	None
8	PORPOISE RUN	В	NC 12	OCEAN BLVD		MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/25-50	483.16	16	858.95	63.96	True	None
9	PORPOISE RUN	В	WAX MYRTLE TRL	NC 12	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/25-50	456.64	16	811.8	63.94	False	None
116	POTESKEET LOOP	В	GRAY SQUIRREL LN	POTESKEET LOOP	NONE	NONE	NONE	NONE	NONE	NONE	384.89	18	769.79	100.00	False	None
117	POTESKEET LOOP	В	GRAY SQUIRRLE LN	POTESKEET TRL	NONE	NONE	NONE	NONE	LOW/LOW	NONE	1,490.66	18	2981.32	93.00	False	None
118	POTESKEET TRL	В	POTESKEET LOOP	OLD PASSAGE LN	LOW/0-5	NONE	NONE	NONE	NONE	NONE	2,799.87	20	6221.94	99.00	False	None
144	POTESKEET TRL	В	OLD PASSAGE LN	TRINITIE TRL	LOW/0-5	NONE	NONE	NONE	NONE	NONE	1,145.21	20	2544.92	99.00	False	None
133	PUDDING PAN LN	В	SPINDRIFT TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,967.14	20	4371.42	54.93	False	None
66	PURPLE MARTIN LN	В	OCEAN BLVD	DEAD END	MEDIUM/5-10	LOW/LOW	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	339.29	14	527.78	66.51	FALSE	None
76	REDBAY LN		HICKORY TRL	DEAD END		· · · · · · · · · · · · · · · · · · ·		LOW/EXTREME		NONE	780.95	17	1475.14	82.75	False	None
95	S DOGWOOD TRL	A	E DOGWOOD TRL	YAUPON TRL				LOW/EXTREME	LOW/LOW	MEDIUM/0-5	1,459.90	19	3082.02	78.98	False	One Side
111	S DOGWOOD TRL		YAUPON TRL	FAIRWAY DR		MEDIUM/LOW	-	LOW/EXTREME	NONE	MEDIUM/0-5	2,114.18	18	4228.36	77.08	False	One Side
130	S DOGWOOD TRL		FAIRWAY DR	GINGUITE TRL		LOW/LOW		LOW/EXTREME	NONE	MEDIUM/0-5	4,009.00	19	8463.43	77.24	True	One Side
153	S DOGWOOD TRL	A	GINGUITE TRL	TEAL CT				•	NONE	MEDIUM/5-10	2,180.16	20	4844.79	65.68	False	One Side
157	S DOGWOOD TRL		TEAL CT	CROATAN HWY		· · · · · · · · · · · · · · · · · · ·		·		MEDIUM/5-10	2,667.73	20	5928.29	65.87	False	One Side
102	S FOX GRAPE LN		FOX GRAPE LN	DEAD END	NONE	NONE		NONE	NONE	NONE	247.66	18	495.31	100.00	True	None
72	SAND PIPER LN		OCEAN BLVD	DEAD END					NONE	MEDIUM/5-10	342.70	15	571.16	66.90	False	None
79	SANDFIDDLER CT		NC 12	DEAD END		· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/EXTREME		MEDIUM/25-50	598.71	20	1330.48	63.46	False	None
98	SASSAFRAS LN	C	S DOGWOOD TRL	DEAD END	LOW/0-5	· · · · · · · · · · · · · · · · · · ·		LOW/EXTREME	NONE	NONE	323.10	12	430.79	82.61	False	None
10	SCUPPERNONG LN		BAYBERRY TRL	NC 12	NONE	NONE		NONE	NONE	MEDIUM/5-10	396.24	20	880.52	93.00	False	None
27	SEA OATS CT		SEA OATS TRL	DEAD END		MEDIUM/HIGH		LOW/EXTREME	NONE	MEDIUM/5-10	170.77	20	379.48	67.70	False	None
1	SEA OATS LN		E DOGWOOD TRL	DEAD END		HIGH/HIGH				MEDIUM/5-10	1,640.58	20	3645.74	54.99	False	None
26	SEA OATS TRL		SOUNDVIEW TRL	NC 12		MEDIUM/HIGH	HIGH/0-5	LOW/EXTREME	MEDIUM/LOW	MEDIUM/10-25	1,540.52	20	3423.37	66.74	False	None
38	SEA OATS TRL	A	SOUNDVIEW TRL	HILLCREST DR		MEDIUM/HIGH			NONE	MEDIUM/5-10	1,922.06	20	4271.25	64.62	False	None
68	SEA OATS TRL		HILLCREST DR	HICKORY TRL				·		MEDIUM/5-10	3,500.21	20	7778.24	65.45	False	None
86	SEA OATS TRL		HICKORY TRL	E DOGWOOD TRL				MEDIUM/EXTREME	· ·	MEDIUM/5-10	2,941.84	20	6537.43	65.34		None
158	SKYLINE RD		NC 12	DEAD END				MEDIUM/EXTREME		MEDIUM/5-10	2,882.09	18	5764.17	64.65	False False	None
130	SKILINE NO	U	110 12	DEND LIND	IVIEDIOIVI/ J-10	MEDIONITHON	NONE	WIEDIOWIJ EXTINEIVIE	HONE	IVIEDIOIVI/ 3-10	2,002.03	10	3704.17	04.03	1 0130	None

					Арј	pendix C - Alph	abetical Lis	t of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
32	SOUNDVIEW TRL	В	NORTH DUNE LOOP	SEA OATS TRL	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	287.81	20	639.58	55.39	True	None
33	SOUNDVIEW TRL	В	SEA OATS TRL	NORTH DUNE LOOP	MEDIUM/5-10	HIGH/HIGH	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,350.70	20	3001.55	55.29	False	None
14	SPINDRIFT TRL	В	HIGH DUNE LOOP	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	HIGH/0-5	MEDIUM/EXTREME	HIGH/LOW	MEDIUM/10-25	2,541.18	20	5647.07	63.49	False	None
129	SPINDRIFT TRL	В	CHICAHAUK TRL	HIGH DUNE LOOP	MEDIUM/5-10	MEDIUM/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/10-25	3,084.05	20	6853.44	63.74	False	None
17	SWEETGUM LN	С	CYPRESS LN	TRINITIE TRL	NONE	NONE	NONE	LOW/EXTREME	LOW/LOW	NONE	423.10	20	940.22	82.42	False	None
16	TALL CLIFF LN	В	HIGH DUNE LOOP	DEAD END	MEDIUM/0-5	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/0-5	753.00	20	1673.33	66.17	False	None
114	TALL PINE LN	В	DEAD END	DEAD END	LOW/0-5	NONE	NONE	LOW/EXTREME	NONE	NONE	795.40	12	1060.54	82.92	False	None
115	TALL PINE LN	В	TALL PINE LN	S DOGWOOD TRL	LOW/0-5	NONE	NONE	LOW/EXTREME	LOW/LOW	NONE	444.01	12	592.01	82.36	False	None
138	TEA PLANT CT	В	PUDDING PAN LN	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	442.00	20	982.23	64.65	False	None
154	TEAL CT	С	S DOGWOOD TRL	DEAD END	NONE	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	242.18	18	484.36	67.03	False	None
15	TRINITIE TRL	Α	DEER PATH LN	SWEETGUM LN	MEDIUM/0-5	LOW/LOW	NONE	LOW/EXTREME	NONE	MEDIUM/0-5	1,078.73	20	2397.17	82.42	False	One Side
128	TRINITIE TRL	Α	CHICAHAUK TRL	EAGLES NEST LN	HIGH/5-10	MEDIUM/LOW	LOW/0-5	MEDIUM/EXTREME	HIGH/LOW	MEDIUM/10-25	3,287.07	20	7304.61	64.89	False	One Side
104	TROUT RUN	С	NC 12	OCEAN BLVD	MEDIUM/0-5	MEDIUM/LOW	MEDIUM/0-5	MEDIUM/EXTREME	NONE	NONE	495.78	20	1101.74	67.13	False	None
126	TURTLE POND CT	С	POTESKEET TRL	DEAD END	HIGH/10-25	LOW/LOW	HIGH/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/0-5	346.99	20	771.1	63.28	False	None
122	TWISTED TREE CT	С	POTESKEET TRL	DEAD END	MEDIUM/10-25	LOW/LOW	NONE	LOW/EXTREME	MEDIUM/LOW	NONE	287.43	20	638.73	76.81	False	None
110	W HOLLY TRL	В	HOLLY TRL	DEAD END	MEDIUM/5-10	NONE	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/0-5	777.56	20	1727.91	66.34	False	None
70	WAX MYRTLE TRL	В	HILLCREST DR	HICKORY TRL	MEDIUM/10-25	LOW/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	3,615.13	20	8033.61	64.86	False	None
85	WAX MYRTLE TRL	В	HICKORY TRL	E DOGWOOD TRL	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	2,802.24	20	6227.2	64.16	False	None
100	WAX MYRTLE TRL	В	E DOGWOOD TRL	PORPOISE RUN	MEDIUM/5-10	MEDIUM/MEDIUM	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/10-25	2,668.69	16	4744.34	64.65	False	None
162	WIDGEON CT	С	S DOGWOOD TRL	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE	LOW/EXTREME	NONE	NONE	193.92	20	430.94	82.25	False	None
155	WILD PONY LN	В	SPINDRIFT TRL	DEAD END	LOW/0-5	HIGH/HIGH	NONE	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/0-5	1,369.26	20	3042.8	55.61	False	None
140	WILD SWAN LN	В	WILD SWAN LN	S DOGWOOD TRL	NONE	NONE	NONE	NONE	NONE	NONE	326.31	18	652.62	100.00	False	None
141	WILD SWAN LN	В	DEAD END	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	741.52	16	1318.25	100.00	False	None
160	WOOD DUCK CT	С	S DOGWOOD TRL	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/0-5	231.33	19	488.37	67.17	False	None
81	WOODLAND DR	С	E DOGWOOD TRL	N WOODLAND DR	MEDIUM/10-25	MEDIUM/MEDIUM	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	572.62	20	1272.49	64.33	False	None
106	YAUPON TRL	В	S DOGWOOD TRL	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	1,604.95	14	2496.6	100.00	False	None
151	YUCCA LN	С	CYPRESS LN	JUNIPER TRL	MEDIUM/5-10	LOW/LOW	NONE	LOW/EXTREME	HIGH/LOW	NONE	570.98	18	1141.95	81.03	False	None

APPENDIX D

2021 TOWN OF SOUTHERN SHORES PAVEMENT CONDITION SURVEY RANKED LIST OF SEGMENTS

					/	Appendix D - Ra	anked List o	of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
20	BEAR TRACK LN	С		DEAD END	NONE		NONE		NONE	NONE	256.58	22	627.2	100.00	False	None
105	BEECH TREE TRL	В	E DOGWOOD TRL	DEAD END	NONE		NONE		NONE	NONE	2,158.16	18	4316.31	100.00	False	None
123	CLAM SHELL TRL	В	OTTER SLIDE LN	CHICAHAUK TRL	NONE		NONE		NONE	NONE	916.74	20	2037.21	100.00	False	None
93	DEWBERRY LN	С	BAYBERRY TRL	DEAD END	NONE	NONE	NONE		NONE	NONE	174.82	18	349.65	100.00	True	None
83	E DOGWOOD TRL		NC 12	OCEAN BLVD	NONE		NONE		NONE	NONE	700.48	18	1400.96	100.00	False	One Side
101	FOX GRAPE LN	В	BAYBERRY TRL	N FOX GRAPE LN	NONE		NONE	NONE	NONE	NONE	540.53	18	1081.05	100.00	False	None
143	GRAVEY POND LN	В	TRINITIE TRL	GRAVEY POND LN	NONE		NONE		NONE	NONE	334.07	20	742.38	100.00	False	None
137	HOLLOW BEACH CT	С	OLD PASSAGE LN	DEAD END	NONE		NONE		NONE	NONE	320.29	18	640.58	100.00	False	None
2	HOLLY TRL	В		HOLLY TRL	NONE		NONE		NONE	NONE	2,748.20	20	6107.1	100.00	False	None
4	HONEYSUCKLE LN	В	BAYBERRY TRL	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	746.06	18	1492.13	100.00	False	None
7	MISTLETOE LN	C	BAYBERRY TRL	DEAD END	NONE		NONE	NONE	NONE	NONE	495.20	17	935.38	100.00	False	None
96	N FOX GRAPE LN	В	FOX GRAPE LN	DEAD END	NONE	NONE	NONE	NONE	NONE	NONE	352.42	18	704.84	100.00	False	None
131	OSPREY LN	В	OSPREY LN	S DOGWOOD TRL	NONE		NONE		NONE	NONE	213.11	18	426.23	100.00	False	None
132	OSPREY LN	В	DEAD END	DEAD END	NONE	NONE	NONE		NONE	NONE	1,009.50	18	2019.01	100.00	False	None
116	POTESKEET LOOP	В	•	POTESKEET LOOP	NONE		NONE		NONE	NONE	384.89	18	769.79	100.00	False	None
102	S FOX GRAPE LN	В	FOX GRAPE LN	DEAD END	NONE		NONE	NONE	NONE	NONE	247.66	18	495.31	100.00	True	None
140	WILD SWAN LN	В	WILD SWAN LN	S DOGWOOD TRL	NONE		NONE		NONE	NONE	326.31	18	652.62	100.00	False	None
141	WILD SWAN LN	В	DEAD END	DEAD END	NONE		NONE		NONE	NONE	741.52	16	1318.25	100.00	False	None
106	YAUPON TRL	В	S DOGWOOD TRL	DEAD END	NONE		NONE		NONE	NONE	1,604.95	14	2496.6	100.00	False	None
118	POTESKEET TRL	В	POTESKEET LOOP	OLD PASSAGE LN	LOW/0-5	NONE	NONE	NONE	NONE	NONE	2,799.87	20	6221.94	99.00	False	None
144	POTESKEET TRL	В	OLD PASSAGE LN	TRINITIE TRL	LOW/0-5		NONE		NONE	NONE	1,145.21	20	2544.92	99.00	False	None
19	JUNIPER TRL	Α	SWEETGUM LN	CROATAN HWY	NONE	· · · · · · · · · · · · · · · · · · ·	NONE	NONE	NONE	NONE	2,693.16	22	6583.27	96.00	False	One Side
113	GRAY SQUIRREL LN	С	POTESKEET LOOP	CHICAHAUK TRL	NONE		NONE	NONE	LOW/LOW	NONE	499.61	20	1110.25	93.00	False	None
117	POTESKEET LOOP	В	GRAY SQUIRRLE LN	POTESKEET TRL	NONE	NONE	NONE	NONE	LOW/LOW	NONE .	1,490.66	18	2981.32	93.00	False	None
10	SCUPPERNONG LN	В	BAYBERRY TRL	NC 12	NONE		NONE		NONE	MEDIUM/5-10	396.24	20	880.52	93.00	False	None
163	PINTAIL CT	С	PINTAIL TRL	DEAD END	LOW/0-5		NONE	LOW/EXTREME	NONE	NONE	256.30	20	569.56	82.92	True	None
114	TALL PINE LN	В	DEAD END	DEAD END	LOW/0-5	NONE	NONE	LOW/EXTREME	NONE	NONE	795.40	12	1060.54	82.92	False	None
146	DEER PATH LN	В	DEER PATH LN	TRINITIE TRL	MEDIUM/0-5		NONE	LOW/EXTREME	NONE	NONE	364.04	20	808.97	82.75	False	None
76	REDBAY LN									NONE	780.95	17	1475.14	82.75	False	None
75	HICKORY TRL			E DOGWOOD TRL	LOW/0-5	NONE		·	NONE	NONE	2,154.29	20	4787.3	82.69	False	None
98	SASSAFRAS LN			DEAD END	LOW/0-5		NONE		NONE	NONE	323.10	12	430.79	82.61	False	None
142	GRAVEY POND LN	В	DEAD END	DEAD END	HIGH/0-5		NONE	LOW/EXTREME	NONE	NONE	1,042.99	18	2085.98	82.50	False	None
161	PALMETTO LN	В		DEAD END	NONE		NONE	LOW/EXTREME	LOW/LOW	NONE	1,376.94	18	2753.88	82.42	False	None
17	SWEETGUM LN			TRINITIE TRL	NONE		NONE		LOW/LOW	NONE .	423.10	20	940.22	82.42	False	None
15	TRINITIE TRL				MEDIUM/0-5	•	NONE		NONE	MEDIUM/0-5	1,078.73	20	2397.17	82.42	False	One Side
147	DEER PATH LN	В	DEAD END		MEDIUM/0-5		MEDIUM/0-5		NONE	NONE	869.67	19	1835.98	82.38	False	None
115	TALL PINE LN	В	TALL PINE LN	S DOGWOOD TRL	LOW/0-5		NONE	LOW/EXTREME	LOW/LOW	NONE	444.01	12	592.01	82.36	False	None
152	CYPRESS LN			FERN LN	MEDIUM/0-5		NONE	LOW/EXTREME	LOW/LOW	NONE	963.00	20	2139.99	82.25	False	None
148	EAGLES NEST LN						NONE		LOW/LOW	NONE	650.37	16	1156.22	82.25	False	None
162	WIDGEON CT					· · · · · · · · · · · · · · · · · · ·	NONE	·	NONE .	NONE	193.92	20	430.94	82.25	False	None
136	OLD PASSAGE LN			TRINITIE TRL	NONE		NONE	LOW/EXTREME	MEDIUM/LOW	NONE	558.07	20	1240.16	82.08	False	None
88	LOBLOLLY LN	С	HOLLY TRL	DEAD END	LOW/0-5		NONE	LOW/EXTREME		NONE	249.31	18	498.63	82.03	False	None
45	HILLCREST DR		NC 12	DEAD END	LOW/0-5	•	NONE		NONE	LOW/0-5	1,376.79	16	2447.63	81.90	False	One Side
3	LIVE OAK LN	С	HOLLY TRL	DEAD END	LOW/0-5	•	NONE			NONE	355.87	17	672.19	81.82	False	None
164	FERN LN	В					NONE		MEDIUM/LOW	NONE	939.72	18	1879.44	81.57	False	None
22	PINTAIL TRL	С	GINGUITE TRL		MEDIUM/5-10	MEDIUM/LOW	LOW/0-5	· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/5-10	778.55	20	1730.11	81.45	False	None
97	BIRCH LN	С		DEAD END	MEDIUM/5-10		NONE		HIGH/LOW	NONE	668.78	12	891.71	81.19	False	None
112	CHICAHAUK TRL	А	CLAMSHELL TRL	DEAD END	MEDIUM/5-10	LOW/LOW	NONE	LOW/EXTREME	HIGH/LOW	NONE	2,183.78	20	4852.86	81.03	False	None

					/	Appendix D - R	anked List o	of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
151	YUCCA LN	С	CYPRESS LN	JUNIPER TRL	MEDIUM/5-10	LOW/LOW	NONE	LOW/EXTREME	HIGH/LOW	NONE	570.98	18	1141.95	81.03	False	None
95	S DOGWOOD TRL	Α	E DOGWOOD TRL	YAUPON TRL	MEDIUM/0-5	MEDIUM/MEDIUM	LOW/0-5	LOW/EXTREME	LOW/LOW	MEDIUM/0-5	1,459.90	19	3082.02	78.98	False	One Side
30	12TH AVE	В	NC 12	DEAD END	LOW/0-5	·	NONE	LOW/EXTREME	MEDIUM/LOW	MEDIUM/0-5	542.08	20	1204.61	78.86	False	None
121	FAIRWAY DR	В	S DOGWOOD TRL	EOM	HIGH/5-10	•	NONE	LOW/EXTREME	MEDIUM/LOW	MEDIUM/10-25	900.00	18	1800	77.66	False	None
130	S DOGWOOD TRL	Α	FAIRWAY DR		MEDIUM/10-25	LOW/LOW	LOW/0-5	LOW/EXTREME	NONE	MEDIUM/0-5	4,009.00	19	8463.43	77.24	True	One Side
111	S DOGWOOD TRL	Α	YAUPON TRL	FAIRWAY DR	MEDIUM/10-25	MEDIUM/LOW	LOW/0-5	LOW/EXTREME	NONE	MEDIUM/0-5	2,114.18	18	4228.36	77.08	False	One Side
122	TWISTED TREE CT	С	POTESKEET TRL	DEAD END	MEDIUM/10-25	LOW/LOW	NONE	LOW/EXTREME	MEDIUM/LOW	NONE	287.43	20	638.73	76.81	False	None
44	9TH AVE	В	NC 12	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	LOW/EXTREME	NONE	LOW/0-5	432.58	16	769.03	67.95	False	None
41	10TH AVE	В	NC 12	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	NONE		NONE	MEDIUM/5-10	531.82	16	945.46	67.74	False	None
35	11TH AVE	В	NC 12	11TH AVE	MEDIUM/5-10	MEDIUM/HIGH	NONE	LOW/EXTREME	NONE	MEDIUM/5-10	1,307.06	18	2614.12	67.74	False	None
27	SEA OATS CT	С	SEA OATS TRL	DEAD END	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	LOW/EXTREME	NONE	MEDIUM/5-10	170.77	20	379.48	67.70	False	None
73	MOCKINGBIRD LN	В	OCEAN BLVD	DEAD END	NONE .	LOW/LOW	NONE .	·	NONE	NONE	343.29	15	572.15	67.67	False	None
37	11TH AVE		SEA OATS TRL	NC 12	MEDIUM/5-10	MEDIUM/HIGH	MEDIUM/0-5	LOW/EXTREME	NONE	MEDIUM/5-10	996.22	20	2213.82	67.64	False	None
50	7TH AVE	В	NC 12	7TH AVE	MEDIUM/5-10	MEDIUM/HIGH	HIGH/0-5		NONE	MEDIUM/5-10	1,204.22	18	2408.44	67.54	False	None
159	BLUE PETE CT	С	S DOGWOOD TRL	DEAD END	LOW/0-5	MEDIUM/LOW	NONE	·	NONE	MEDIUM/0-5	197.82	20	439.6	67.26	False	None
145	LAST HUNT LN	С	HIGH DUNE LOOP	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/0-5	336.85	20	748.56	67.17	False	None
160	WOOD DUCK CT	С	S DOGWOOD TRL	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE .	,	NONE	MEDIUM/0-5	231.33	19	488.37	67.17	False	None
104	TROUT RUN	С	NC 12	OCEAN BLVD	MEDIUM/0-5	MEDIUM/LOW	MEDIUM/0-5	MEDIUM/EXTREME	NONE	NONE	495.78	20	1101.74	67.13	False	None
154	TEAL CT	С	S DOGWOOD TRL	DEAD END	NONE	MEDIUM/LOW	NONE	·	NONE	MEDIUM/5-10	242.18	18	484.36	67.03	False	None
48	8TH AVE	В	NC 12	8TH AVE	LOW/0-5	LOW/MEDIUM	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	1,272.45	16	2262.13	66.90	False	None
72	SAND PIPER LN	В	OCEAN BLVD	DEAD END	NONE	MEDIUM/LOW	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	342.70	15	571.16	66.90	False	None
53	6TH AVE	В	DEAD END	DEAD END	MEDIUM/10-25	MEDIUM/HIGH	HIGH/0-5	LOW/EXTREME	NONE	MEDIUM/5-10	281.88	12	375.84	66.81	False	None
26	SEA OATS TRL	Α	SOUNDVIEW TRL	NC 12	MEDIUM/5-10	MEDIUM/HIGH	HIGH/0-5	LOW/EXTREME	MEDIUM/LOW	MEDIUM/10-25	1,540.52	20	3423.37	66.74	False	None
149	POINT COMFORT LN	С	GINGUITE TRL	DEAD END	MEDIUM/5-10	LOW/LOW	NONE	·	NONE	MEDIUM/5-10	366.53	18	733.05	66.61	False	None
107	E HOLLY TRL	В	HOLLY TRL	DEAD END	LOW/0-5	NONE	MEDIUM/0-5		HIGH/LOW	NONE	575.39	16	1022.91	66.54	False	None
66	PURPLE MARTIN LN	В	OCEAN BLVD	DEAD END	MEDIUM/5-10	LOW/LOW	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	339.29	14	527.78	66.51	FALSE	None
110	W HOLLY TRL	В	HOLLY TRL	DEAD END	MEDIUM/5-10	NONE	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/0-5	777.56	20	1727.91	66.34	False	None
47	HILLCREST DR		SEA OATS TRL	NC 12	LOW/0-5	·	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	869.84	20	1932.97	66.32	False	None
16	TALL CLIFF LN	В				MEDIUM/MEDIUM		MEDIUM/EXTREME		MEDIUM/0-5	753.00	20	1673.33	66.17	False	None
5	BAYBERRY TRL	В			MEDIUM/5-10	LOW/LOW	MEDIUM/0-5	·		MEDIUM/5-10	1,845.13	18	3690.26	66.02	False	None
23	GINGUITE TRL	В			-	MEDIUM/LOW	MEDIUM/0-5	-		MEDIUM/25-50	4,501.40	20	10003.1	66.02	False	None
94	DOLPHIN RUN	В	NC 12	OCEAN BLVD	MEDIUM/10-25	·	NONE	LOW/EXTREME	NONE	MEDIUM/25-50	589.18	16	1047.44	66.01	False	None
25	13TH AVE	В	NC 12	13TH AVE		·	NONE		NONE	MEDIUM/5-10	1,150.35	20	2556.33	65.99	False	None
157	S DOGWOOD TRL		TEAL CT				LOW/0-5			MEDIUM/5-10	2,667.73	20	5928.29	65.87	False	One Side
29	12TH AVE		NC 12	12TH AVE		·	HIGH/0-5		NONE	MEDIUM/0-5	1,239.85	18	2479.7	65.85	False	None
46	8TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	·	NONE		NONE	LOW/0-5	335.50	16	596.45	65.82	False	None
31	11TH AVE	В	DEAD END	DEAD END	-	· · · · · · · · · · · · · · · · · · ·	NONE		NONE	MEDIUM/0-5	211.41	16	375.84	65.78	False	None
28	12TH AVE		DEAD END	DEAD END	MEDIUM/5-10	·	NONE			MEDIUM/0-5	170.98	17	322.97	65.78	False	None
153	S DOGWOOD TRL			TEAL CT	-	·			NONE	MEDIUM/5-10	2,180.16	20	4844.79	65.68	False	One Side
78	N WOODLAND DR					MEDIUM/LOW	LOW/0-5	·		MEDIUM/5-10	2,298.27	16	4085.81	65.64	False	None
57	4TH AVE				MEDIUM/5-10	•	NONE	, , , , , , , , , , , , , , , , , , ,	NONE .	MEDIUM/10-25	192.30	16	341.87	65.58	False	None
139	LAND FALL LOOP		SPINDRIFT TRL	SPINDRIFT TRL	LOW/5-10	·	NONE	·		MEDIUM/0-5	354.26	20	787.25	65.57	False	None
68	SEA OATS TRL		HILLCREST DR	HICKORY TRL		·	LOW/0-5		-	MEDIUM/5-10	3,500.21	20	7778.24	65.45	False	None
42	9TH AVE	В	NC 12	9TH AVE	LOW/0-5	MEDIUM/HIGH	NONE		NONE	LOW/0-5	1,388.79	16	2468.96	65.40	False	None
21	DUCK WOODS DR	В				MEDIUM/LOW	LOW/0-5		MEDIUM/LOW	MEDIUM/10-25	7,677.29	20	17060.64	65.38	False	None
90	HILLCREST DR	Α	HICKORY TRL			·	HIGH/0-5	· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/5-10	3,059.03	20	6797.85	65.37	False	None
86	SEA OATS TRL	Α	HICKORY TRL		-		NONE		LOW/LOW	MEDIUM/5-10	2,941.84	20	6537.43	65.34	False	None
119	BENT OAK CT	С	POTESKEET TRL	DEAD END	MEDIUM/10-25	MEDIUM/LOW	NONE	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/0-5	249.15	20	553.67	65.28	False	None

					,	Appendix D - Ra	anked List o	of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC		Transverse Cracking	Potholes	Surface Defects	Rutting / Roughness	Block Cracking		Width (ft)	Square Yards	PCI	CURB	Sidewalk
58	4TH AVE	В	NC 12	4TH AVE	NONE	MEDIUM/MEDIUM	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,128.59	16	2006.39	65.28	False	None
89	POMPANO CT	В	OCEAN BLVD	DEAD END	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	368.87	14	573.8	65.16	False	None
62	2ND AVE	В	NC 12	2ND AVE	MEDIUM/5-10	MEDIUM/MEDIUM	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,250.16	18	2500.31	65.11		None
67	OCEAN BLVD	В	HICKORY TRL	PERIWINKLE PL	MEDIUM/5-10	· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,231.03	20	2735.63	65.11	False	None
52	N DOGWOOD TRL	В	E DOGWOOD TRL	DEAD END	MEDIUM/10-25	MEDIUM/LOW	LOW/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	5,740.06	12	7653.41	65.09	False	None
99	DOLPHIN RUN	В	WAX MYRTLE TRL	NC 12	MEDIUM/5-10	· · · · · · · · · · · · · · · · · · ·	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	455.94	16	810.57	65.07	False	None
82	E DOGWOOD TRL	Α	N DOGWOOD TRL	BAYBERRY TRL	MEDIUM/0-5		NONE	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/10-25	2,487.30	20	5527.34	64.97	False	One Side
12	HIGH DUNE LOOP	В	SPINDRIFT TRL	SPINDRIFT TRL	MEDIUM/5-10		HIGH/0-5	MEDIUM/EXTREME	HIGH/LOW	MEDIUM/0-5	3,622.65	20	8050.34	64.91	False	None
24	13TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	·	NONE	MEDIUM/EXTREME	NONE	LOW/0-5	190.04	20	422.32	64.90	False	None
128	TRINITIE TRL	Α	CHICAHAUK TRL	EAGLES NEST LN	HIGH/5-10	MEDIUM/LOW	LOW/0-5	MEDIUM/EXTREME	HIGH/LOW	MEDIUM/10-25	3,287.07	20	7304.61	64.89	False	One Side
70	WAX MYRTLE TRL	В	HILLCREST DR	HICKORY TRL	MEDIUM/10-25	•	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	3,615.13	20	8033.61	64.86	False	None
92	MIZZENMAST LN	С	SEA OATS LN	DEAD END	MEDIUM/10-25	·	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	234.45	20	520.99	64.70	False	None
36	10TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	·	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	210.78	16	374.71	64.65	False	None
39	10TH AVE	В	NC 12	10TH AVE	MEDIUM/5-10	· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,373.41	16	2441.61	64.65	False	None
40	9TH AVE	В	DEAD END	DEAD END	MEDIUM/5-10	·	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	208.38	16	370.45	64.65	False	None
158	SKYLINE RD	В	NC 12	DEAD END	MEDIUM/5-10	· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	2,882.09	18	5764.17	64.65	False	None
138	TEA PLANT CT	В		DEAD END	MEDIUM/5-10		NONE	MEDIUM/EXTREME	NONE	MEDIUM/5-10	442.00	20	982.23	64.65	False	None
100	WAX MYRTLE TRL	В	E DOGWOOD TRL		MEDIUM/5-10	·	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/10-25	2,668.69	16	4744.34	64.65	False	None
38	SEA OATS TRL	Α	SOUNDVIEW TRL	HILLCREST DR	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,922.06	20	4271.25	64.62	False	None
61	2ND AVE	В	DEAD END	DEAD END	MEDIUM/10-25	, ,	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	119.17	16	211.85	64.53	FALSE	None
125	CHICAHAUK TRL	Α		SPINDRIFT TRL	LOW/25-50		MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	2,807.39	20	6238.64	64.51	False	Both Sides
34	NORTH DUNE LOOP	В			MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	LOW/LOW	MEDIUM/5-10	2,064.04	20	4586.76	64.39	True	None
81	WOODLAND DR	С	E DOGWOOD TRL	N WOODLAND DR		MEDIUM/MEDIUM	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	572.62	20	1272.49	64.33	False	None
134	CROOKED BACK LOOP	В	CHICAHAUK TRL	PUDDING PAN LN	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	2,790.21	20	6200.46	64.16	False	None
84	E DOGWOOD TRL	Α	BAYBERRY TRL	WAX MYRTLE TRL	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,990.96	40	8848.73	64.16	True	One Side
85	WAX MYRTLE TRL	В	HICKORY TRL	E DOGWOOD TRL	MEDIUM/5-10	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	2,802.24	20	6227.2	64.16	False	None
69	HICKORY TRL	Α	WAX MYRTLE TRL	NC 12	MEDIUM/10-25	MEDIUM/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	430.93	20	957.62	64.01	False	None
8	PORPOISE RUN	В	NC 12	OCEAN BLVD	MEDIUM/10-25	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/25-50	483.16	16	858.95	63.96	True	None
87	OCEAN BLVD	В						MEDIUM/EXTREME		MEDIUM/25-50	1,372.09	19	2896.64	63.94	False	None
9	PORPOISE RUN	В	WAX MYRTLE TRL	NC 12			NONE			MEDIUM/25-50	456.64	16	811.8	63.94	False	None
13	OCEAN VIEW LOOP	В			MEDIUM/10-25				NONE	MEDIUM/25-50	444.54	20	987.86	63.86	False	None
129	SPINDRIFT TRL						MEDIUM/0-5			MEDIUM/10-25	3,084.05	20	6853.44	63.74	False	None
71	HICKORY TRL	Α	HILLCREST DR		MEDIUM/10-25	,	MEDIUM/0-5		NONE	MEDIUM/10-25	602.47	19	1271.89	63.57	False	None
18	OCEAN VIEW LOOP	В	DEAD END	DEAD END		· · · · · · · · · · · · · · · · · · ·	LOW/0-5	· · · · · · · · · · · · · · · · · · ·		MEDIUM/25-50	1,366.00	20	3035.56	63.54	False	None
14	SPINDRIFT TRL	В			· ·		HIGH/0-5			MEDIUM/10-25	2,541.18	20	5647.07	63.49	False	None
6	OCEAN BLVD					·	NONE	·		MEDIUM/25-50	1,312.86	18	2625.72	63.46	False	None
108	OCEAN BLVD					· · · · · · · · · · · · · · · · · · ·	NONE	·		MEDIUM/25-50	1,234.76	20	2743.91	63.46	False	None
79	SANDFIDDLER CT		NC 12	DEAD END			NONE	·	NONE	MEDIUM/25-50	598.71	20	1330.48	63.46	False	None
126	TURTLE POND CT			DEAD END	HIGH/10-25	•	HIGH/0-5	,		MEDIUM/0-5	346.99	20	771.1	63.28	False	None
51	HILLCREST DR		SEA OATS TRL			· · · · · · · · · · · · · · · · · · ·	MEDIUM/0-5	MEDIUM/EXTREME		MEDIUM/25-50	3,856.10	18	7712.21	62.78	True	None
49	7TH AVE		DEAD END			· · · · · · · · · · · · · · · · · · ·	NONE	LOW/EXTREME		MEDIUM/10-25	288.33	12	384.44	56.04	False	None
54	6TH AVE		NC 12	6TH AVE	MEDIUM/25-50		HIGH/0-5	LOW/EXTREME	NONE	MEDIUM/10-25	1,129.97	17	2134.39	55.69	False	None
155	WILD PONY LN	В	SPINDRIFT TRL	DEAD END	LOW/0-5		NONE	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/0-5	1,369.26	20	3042.8	55.61	False	None
65	HICKORY TRL	Α	NC 12	DEAD END		· · · · · · · · · · · · · · · · · · ·	MEDIUM/0-5	· · · · · · · · · · · · · · · · · · ·	NONE	MEDIUM/10-25	1,383.62	17	2613.5	55.51	False	None
120	OYSTER BED LN				MEDIUM/5-10	•	NONE	•		MEDIUM/5-10	421.90	20	937.57	55.49	False	None
172	KINGFISHER CT					HIGH/HIGH	LOW/0-5			MEDIUM/5-10	246.74	20	548.3	55.45	True	None
43	KINGFISHER TRL				MEDIUM/5-10	HIGH/HIGH	LOW/0-5	·	NONE	MEDIUM/5-10	1,339.20	20	2976.01	55.45	True	None
103	BRIGHT LANTERN LN	С	SEA OATS LN	DEAD END	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	281.19	20	624.86	55.39	False	None

					A	Appendix D - Ra	anked List o	of Segments								
SectionID	Street Name	Class	BEG_DESC	END_DESC	Fatigue Cracking	Transverse Cracking	Patch Deterioration / Potholes	Surface Defects	Rutting / Roughness	Block Cracking	Length (ft)	Width (ft)	Square Yards	PCI	CURB	Sidewalk
171	OTTER SLIDE LN	В	CLAM SHELL TRL	CHICAHAUK TRL	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,267.71	20	2817.14	55.39	False	None
32	SOUNDVIEW TRL	В	NORTH DUNE LOOP	SEA OATS TRL	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	287.81	20	639.58	55.39	True	None
33	SOUNDVIEW TRL	В	SEA OATS TRL	NORTH DUNE LOOP	MEDIUM/5-10	HIGH/HIGH	HIGH/0-5	MEDIUM/EXTREME	NONE	MEDIUM/5-10	1,350.70	20	3001.55	55.29	False	None
56	5TH AVE	В	NC 12	5TH AVE	MEDIUM/10-25	HIGH/HIGH	LOW/0-5	MEDIUM/EXTREME	NONE	NONE	1,100.90	18	2201.81	55.13	False	None
59	3RD AVE	В	DEAD END	DEAD END	MEDIUM/5-10	HIGH/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	205.93	12	274.57	55.03	False	None
127	CLAM SHELL TRL	В	CHICAHAUK TRL	OTTER SLIDE LN	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	3,477.97	20	7728.83	54.99	False	None
1	SEA OATS LN	В	E DOGWOOD TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	MEDIUM/LOW	MEDIUM/5-10	1,640.58	20	3645.74	54.99	False	None
133	PUDDING PAN LN	В	SPINDRIFT TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,967.14	20	4371.42	54.93	False	None
60	3RD AVE	В	NC 12	3RD AVE	MEDIUM/10-25	HIGH/HIGH	NONE	MEDIUM/EXTREME	NONE	MEDIUM/10-25	1,190.86	18	2381.72	54.50	FALSE	None
55	5TH AVE	В	DEAD END	DEAD END	MEDIUM/10-25	HIGH/HIGH	MEDIUM/0-5	MEDIUM/EXTREME	NONE	MEDIUM/10-25	219.70	12	292.93	54.40	False	None
150	HAPPY INDIAN CT	С	HAPPY INDIAN LN	DEAD END	MEDIUM/0-5	MEDIUM/LOW	NONE	HIGH/EXTREME	MEDIUM/LOW	MEDIUM/0-5	157.07	20	349.04	52.50	FALSE	None
11	HAPPY INDIAN LN	В	HIGH DUNE LOOP	DEAD END	HIGH/0-5	MEDIUM/MEDIUM	LOW/0-5	HIGH/EXTREME	NONE	MEDIUM/0-5	640.14	20	1422.54	51.97	False	None
63	1ST AVE	В	DEAD END	DEAD END	MEDIUM/5-10	HIGH/MEDIUM	NONE	HIGH/EXTREME	NONE	MEDIUM/10-25	211.41	18	422.81	50.44	FALSE	None
124	GOOSE FEATHER LN	С	CHICAHAUK TRL	DEAD END	MEDIUM/5-10	HIGH/HIGH	NONE	HIGH/EXTREME	NONE	MEDIUM/5-10	457.86	18	915.72	49.74	False	None
80	OCEAN BLVD	В	PERIWINKLE PL	E DOGWOOD TRL	MEDIUM/5-10	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/50-75	1,306.55	18	2613.09	49.49	False	None
77	PERIWINKLE PL	В	NC 12	OCEAN BLVD	MEDIUM/5-10	MEDIUM/LOW	NONE	MEDIUM/EXTREME	NONE	MEDIUM/50-75	815.68	20	1812.62	49.49	FALSE	None
74	CIRCLE DR	В	HICKORY TRL	HICKORY TRL	MEDIUM/25-50	MEDIUM/MEDIUM	MEDIUM/5-10	HIGH/EXTREME	LOW/LOW	MEDIUM/10-25	2,742.88	18	5485.76	48.42	FALSE	None
64	1ST AVE	В	NC 12	1ST AVE	MEDIUM/25-50	HIGH/MEDIUM	MEDIUM/5-10	HIGH/EXTREME	LOW/LOW	MEDIUM/10-25	1,280.96	18	2561.93	47.97	False	None

APPENDIX E

2021 TOWN OF SOUTHERN SHORES
PAVEMENT CONDITION SURVEY
SOUTHERN SHORES MAPS_PCI

Town of Southern Shores Current Conditions



Town of Southern Shores Year 2032 Conditions - Option 1



Town of Southern Shores Year 2032 Conditions - Option 2



APPENDIX F

2021 Town of Southern Shores
DISTRESS TYPES_EXTENT DEFINITIONS

Distress Severity/Extent Definitions Flexible Pavement (P)

Distress	Rating Le	evel	Rating Level		Rating Le	evel
	SEV	EXT	SEV	EXT	SEV	EXT
	LOW/0-5	0-5%	MEDIUM/0-5	0-5%	HIGH/0-5	0-5%
	LOW/5-10	5-10%	MEDIUM/5-10	5-10%	HIGH/5-10	5-10%
	LOW/10-25	10-25%	MEDIUM/10-25	10-25%	HIGH/10-25	10-25%
FATIQUE CRACKING / DEFECTS (FC)	LOW/25-50	25-50%	MEDIUM/25-50	25-50%	HIGH/25-50	25-50%
	LOW/50-75	50-75%	MEDIUM/50-75	50-75%	HIGH/50-75	50-75%
	LOW/75-100	75-100%	MEDIUM/75-100	75-100%	HIGH/75-100	75-100%
	SEV	EXT	SEV	EXT	SEV	EXT
	LOW/LOW	>100'	MEDIUM/LOW	>100'	HIGH/LOW	>100'
TRANSVERSE CRACKING (TC)	LOW/MEDIUM	100'-50'	MEDIUM/MEDIUM	100'-50'	HIGH/MEDIUM	100'-50'
TRANSVERSE CRACKING (TC)	LOW/HIGH	50'-25'	MEDIUM/HIGH	50'-25'	HIGH/HIGH	50'-25'
	LOW/EXTREME	<25'	MEDIUM/EXTREME	<25'	HIGH/EXTREME	<25'
	SEV	EXT	SEV	EXT	SEV	EXT
	LOW/0-5	0-5%	MEDIUM/0-5	0-5%	HIGH/0-5	0-5%
	LOW/5-10	5-10%	MEDIUM/5-10	5-10%	HIGH/5-10	5-10%
DI OCK CDACKING (DC)	LOW/10-25	10-25%	MEDIUM/10-25	10-25%	HIGH/10-25	10-25%
BLOCK CRACKING (BC)	LOW/25-50	25-50%	MEDIUM/25-50	25-50%	HIGH/25-50	25-50%
	LOW/50-75	50-75%	MEDIUM/50-75	50-75%	HIGH/50-75	50-75%
	LOW/75-100	75-100%	MEDIUM/75-100	75-100%	HIGH/75-100	75-100%
	SEV	EXT	SEV	EXT	SEV	EXT
	LOW/0-5	0-5%	MEDIUM/0-5	0-5%	HIGH/0-5	0-5%
	LOW/5-10	5-10%	MEDIUM/5-10	5-10%	HIGH/5-10	5-10%
PATCH DETERIORATION / POTHOLES (PP)	LOW/10-25	10-25%	MEDIUM/10-25	10-25%	HIGH/10-25	10-25%
PATCH DETERIORATION / POTHOLES (PP)	LOW/25-50	25-50%	MEDIUM/25-50	25-50%	HIGH/25-50	25-50%
	LOW/50-75	50-75%	MEDIUM/50-75	50-75%	HIGH/50-75	50-75%
	LOW/75-100	75-100%	MEDIUM/75-100	75-100%	HIGH/75-100	75-100%
	SEV	EXT	SEV	EXT	SEV	EXT
	LOW/LOW	<25%	MEDIUM/LOW	<25%	HIGH/LOW	<25%
SURFACE DEFECTS (SD)	LOW/MEDIUM	25-50%	MEDIUM/MEDIUM	25-50%	HIGH/MEDIUM	25-50%
SURFACE DEFECTS (SU)	LOW/HIGH	50-75%	MEDIUM/HIGH	50-75%	HIGH/HIGH	50-75%
	LOW/EXTREME	75-100%	MEDIUM/EXTREME	75-100%	HIGH/EXTREME	75-100%
	SEV	EXT	SEV	EXT	SEV	EXT
	LOW/LOW	<25%	MEDIUM/LOW	<25%	HIGH/LOW	<25%
RUTTING/ROUGHNESS (RR)	LOW/MEDIUM	25-50%	MEDIUM/MEDIUM	25-50%	HIGH/MEDIUM	25-50%
NOT HING/ NOOGHINESS (NN)	LOW/HIGH	50-75%	MEDIUM/HIGH	50-75%	HIGH/HIGH	50-75%
	LOW/EXTREME	75-100%	MEDIUM/EXTREME	75-100%	HIGH/EXTREME	75-100%

