



Agenda Item Summary Sheet

Date: 6/4/24

Item #: 9

Item Title: 2024 Street Improvement Project-Consideration of Bid Award

Item Summary: The Town contracted with SEPI Engineering in 2021 for a Pavement Condition Survey and Capital Improvement Plan. The first year of the plan in 2022 included mostly "patching" work. Patching is accomplished by removing the existing pavement and placing new asphalt back into the excavation in compacted lifts, reconstructing the pavement. This work is done ahead of resurfacing the entire street. Patching work included in subsequent years of the plan was not recommended for funding in year two or in the present plan (year 3) presented before Council. It is now recommended that mill and fill to a depth of two inches and overlaying with new asphalt as the preferred treatment option. This allows the town to improve more streets faster. The goal of this plan as presented is to continue to improve streets with a lower pavement condition score while including street segments in close proximity, reducing the cost of mobilization.

All work on the street segments listed below includes 2in asphalt mill and fill. This method of street improvement 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. The milling process 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.

The average pavement condition score of street work was 66.37 in year one, 52.65 in year two and 64.38 in proposed year 3. Approximately 2.75 miles of streets were included in work completed in year two work and nearly 3.8 miles in the proposed project.

The Town has committed nearly \$1 million dollars each year for the last 3 years for annual street work.

STREET NAME	BEGINNING STREET	END DESCRIPTION
Ocean Blvd	Hickory Trail	Periwinkle Place
Mockingbird Lane	Entire Street	Entire Street
Sand Piper Lane	Entire Street	Entire Street
Purple Martin Lane	Entire Street	Entire Street
Clam Shell Trail	Otter Slide Lane	Chicahauk Trail
Otter Slide Lane	Entire Street	Entire Street
Ocean Blvd	E Dogwood Trail	NC12
Sandfiddler Court	Entire Street	Entire Street
Dolphin Run	Ocean Blvd	NC12
Trout Run	Entire Street	Entire Street
Porpoise Run	Ocean Blvd	NC12
Oyster Bed Lane	Entire Street	Entire Street
Bent Oak Court	Entire Street	Entire Street
Twisted Tree Court	Entire Street	Entire Street
Crooked Back Loop	Entire Street	Entire Street
Tea Plant Court	Entire Street	Entire Street
Pudding Pan Lane	Entire Street	Entire Street
Birch Lane	Entire Street	Entire Street

Staff Recommendation and Requested Action: Staff recommends the Town Council authorize the Town Manager to enter into a contract with the lowest bidder for street work. This would require a budget amendment of \$264,589. If approved, the increase in cost would reduce the amount of work funded in year 4's plan.

Attachments: Bid Form for 2024 Pavement Project