

PUBLIC WORKS COMMITTEE MEETING

Kiawah Island Municipal Center

Council Conference Room

October 14, 2019; 10:00 AM

Minutes

I. Call to Order: Ms. Tillerson called the meeting to order at 10:00 am.

Present: Stephanie Tillerson, Town Administrator
Brian Gottshalk, Public Works Manager
David DeStefano
Warren Stannard
Jim Gilliam

By Phone: Will Connor, KICA
Steve Sager

Also Attending: Craig Weaver, Mayor
Dorota Szubert, Town Treasurer
Mike Sullivan, McCormick Taylor
Nehemiah Stewart, McCormick Taylor

II. Approval of Minutes:

- A.** Minutes of the Public Works Committee Meeting of April 8, 2019
- B.** Minutes of the Public Works Committee Meeting of April 23, 2019
- C.** Minutes of the Public Works Committee Meeting of May 23, 2019

Mr. DeStefano made a motion to approve the minutes of the April 8, 2019, April 23, 2019 and May 23, 2019 as amended, Public Works Committee meeting. The motion was seconded by Mr. Gilliam and unanimously passed as amended.

III. Old Business:

A. Update on the Kiawah Island Parkway Resurfacing Project

Mayor Weaver

Mr. Sullivan, with McCormick Taylor gave a PowerPoint presentation depicting an aerial view of the Parkway project with the current elevation of the roadway and portraying each of the scenarios requested by Mayor Weaver. Three scenarios were developed from data from Mr. Lucas Hernandez,

Mr. Sullivan explained MHHW (MEAN HIGHER HIGH WATER) as nuisance or hightide flooding, and for the purposes of the scenario, the project was calculated at 2.88 feet. The scenarios will also assume 2.5 feet of sea-level rise as a worst-case scenario over the next twenty years, along with assuming a 4.5-foot storm surge.

- ✦ Scenario 1 - Nuisance flooding at high tide plus sea-level rise for the year 2040
 - (2.88 feet MHHW + 2.5 ft SLR = 5.38 feet)
 - showed water does encroach on the shoulders in some areas, but the Parkway will accommodate two-traffic.

- ✚ Scenario 2 – incoming storm surge at high tide
 - (2.88 feet MHHW + 4.5 feet of storm surge = 7.38 feet)
 - showed water would be on the road for much of the Parkway.

- ✚ Scenario 3 - Storm surge at high tide plus sea-level rise for 2040
 - (2.88 feet MHHW + 4.5 feet of storm surge + 2.5 feet SLR = 9.88 feet)
 - showed most of the Parkway would be underwater.

Mr. Sullivan stated that the PWC did not want to consider Scenarios 2 and 3 because; People should not be on the road during the storm peak, and there is not a spot fix, the entire parkway elevation would need to be raised. He noted that the estimated cost of raising the entire length of the Parkway two feet was approximately \$9.6 million.

The proposal for consideration and recommended by the PWC includes resurfacing the length of the Parkway at its current elevation from the Roundabout to Beachwalker Drive, the addition of turn lanes adjacent to the parking area near Freshfields, and the addition of synthetic grid at selected locations to protect roadside shoulders. The preliminary estimated cost is \$2.2 million.

Mayor Weaver discussed the curbing options and the logic which directed the PWC recommendations. Committee members agreed with the proposal to use a synthetic grid.

Mayor Weaver reviewed the presented scenarios stating that the cost was the influencing factor. He indicated that the PWC is not recommending the elevation of the Parkway. The PWC members took in consideration that, even with Sea Level Rise, the perception is that the roadway would be functional for a significant portion of the time over the next twenty years, or the lifespan of the roadway, there was not a cost-benefit in doing the elevation in conjunction with the repaving, and there could be a benefit in waiting to see what the Community Association were planning for future roadwork and future improvements would be made on surrounding roads.

Ms. Tillerson stated the proposed project cost of \$2.2 million does include the turn lanes requested by the Resort. Their cost is estimated at approximately \$400,000.00, but the final cost and decision will not be secured until after the bidding process scheduled for mid to late November 2019.

Mayor Weaver stated that as part of the refurbishing and repaving project of the Kiawah Island Parkway, there were two potential undertakings which were added to the project to address issues with raising the elevation of the Parkway and curbing to address the continuous issues with vehicles destroying landscaping alongside the road. He indicated that in working with McCormick Taylor, the Public Works Committee (PWC) had made the recommendation to not raise elevation, nor elevate the roadway. The presentation from McCormick Taylor will give an overview of the information presented to the PWC and led to their recommendation.

Scenario	2' Paved Shoulders	Curb and Gutter	Synthetic Grid
Estimated Cost	\$636,151 \$48/ft	\$1,070,342 \$81/ft	\$659,100 \$6.50/s.f.
Pros	Relatively simple to construct and maintain Least amount of impacts of the three options	Added barrier between road and bike/ped path	Lower Cost Aesthetically appealing
Cons	Not as aesthetically appealing Reduces buffer between road and bike/ped path	Would cause the bike/ped path to be relocated Would cause utility relocations (additional cost) Higher construction and maintenance cost	Does not allow for landscaping between road and bike/ped path

limits and the condition of the roadway along with the areas in which vehicles run off destroying the edges of the roadway. He stated that part of the proposal was the recommendation to elevate the roadway at Mingo Point, widening the road with turn lanes to access the parking area for the upcoming PGA event, the recommendation for paved shoulders along with other options available. Discussion with the Public Works Committee recommended the use of a synthetic grid in selected areas a lower cost option to the paved shoulder.

B. Update on the Kiawah Island Parkway Landscape Design Architect Project

IV. New Business:

None

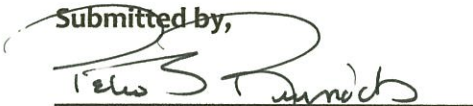
V. Committee Member's Comments:

None

VI. Adjournment:

Ms. Tillerson adjourned the meeting was adjourned at 12:20 am.

Submitted by,


 Petra S. Reynolds, Town Clerk

1-15-2020
 Date