



## **Public Works Committee**

4:30 p.m., Wednesday, August 4, 2021

Council Chambers

1207 Palm Boulevard, Isle of Palms, South Carolina

### **Public Comment:**

All citizens who wish to speak during the meeting must email their first and last name, address and topic to [nicoled@iop.net](mailto:nicoled@iop.net) no later than **3:00 p.m. the day before the meeting**. Citizens may also provide public comment here: <https://www.iop.net/public-comment-form>

### **Agenda**

1. **Call to order** - and acknowledgement that the press and public have been duly notified of the meeting in accordance with the Freedom of Information Act.
2. **Approval of previous meeting's minutes** – June 2, 2021
3. **Citizens' Comments**
4. **Department Report** – Director Pitts and Assistant Director Asero
5. **Old Business**
  - a. Update on Phase III Drainage Project, small internal projects and Waterway Boulevard path elevation project
  - b. Update on Island Wide Drainage Master Plan RFP
  - c. Discussion of potential solutions to drainage ditch erosion issues
  - d. Update on the Environmental Advisory Committee
6. **New Business**
  - a. Discussion of yard debris collection operation and challenges with the change in route to Bees Ferry
  - b. Discussion of existing temp agency outsourcing agreement for haulers
  - c. Discussion of golf cart path along Ocean Park Plaza
7. **Miscellaneous Business**

Next Meeting Date: 4:30 p.m., Wednesday, September 8, 2021
8. **Executive Session** – If needed
9. **Adjournment**



**PUBLIC WORKS COMMITTEE**  
**5:00pm, Thursday, June 3, 2021**  
**1207 Palm Boulevard, Isle of Palms, SC**  
**and broadcasted live on YouTube: <https://www.youtube.com/user/cityofisleofpalms>**

**MINUTES**

**1. Call to order**

Present: Council members Smith, Ward

Absent: Council Member Streetman

Staff Present: Asst. Administrator Hanna, Director Pitts, Director Kerr, Asst. Director Asero

**2. Approval of previous meeting's minutes – May 5, 2021**

Council Member Smith made a motion to approve the minutes of the May 5, 2021 meeting, and Council Member Ward seconded the motion. The motion passed unanimously.

**3. Citizens' Comments -- none**

**4. Department Reports – Director Pitts and Assistant Director Asero**

Director Pitts reported that garbage collection totals were lower for May, but he anticipates they will rebound in June. Yard debris collection is average and there were 45 tons of miscellaneous garbage collected.

Director Pitts also shared that two large vehicle maintenance issues recently consumed one-third of his vehicle maintenance budget. He did not see this as a trend but noted that the costs of repairs are increasing.

As a reminder, twice weekly garbage and one weekly recycle collections begin next week.

Asst. Director Asero stated that the 25<sup>th</sup> Avenue drainage repair has been completed by Charleston County. He reported on a recent meeting with Truluck Construction regarding the drainage repair at 34<sup>th</sup> and Hartnett Boulevard. Eadies has completed a comprehensive cleaning of the Forest Trail basin drainage culverts and cleared vegetation at Lauden Street, 41<sup>st</sup> and 45<sup>th</sup> avenues.

SCDOT is scheduled to clean drainage ditches at 25<sup>th</sup> and Palm & 4<sup>th</sup> Avenue at the end of June.

Facilities maintenance projects included: repair of broken irrigation main wires and vales at Front Beach, the servicing of the generator at City Hall, painting at City Hall, roof repair at

Station 2, air conditioning replacement at Station 2, painting of wayfinding and city parking signs, and light repair at City Hall.

Work on the front beach included the cleaning up of the parking lot, restroom electrical repair, and the installation of a bike rack and the removal of heavy vegetation at the 14<sup>th</sup> Avenue beach path.

He also reported on the removal, releveling, and replacement of the Mobi mat at 9<sup>th</sup> Avenue. SCDOT is also scheduled for the repair of the concrete divider at 41<sup>st</sup> Avenue and Palm Boulevard.

Committee members and staff discussed the increase in the amount of trash along Palm Boulevard. The addition of trash cans on the land side of Palm Boulevard will increase the need for service by the trash collection company. Asst. Director Asero has assigned a temporary employee to pick up garbage on that side of the road and BSOs have been equipped with trash grabbers so they can pick up trash as they patrol the area.

Administrator Fragoso said that additional trash cans have been added at heavily used beach access paths. Asst. Director Asero said that 20 new barrels were put out for the holiday weekend. Administrator Fragoso will speak to the trash removal contractor for some insight into the issue. She also reported that the messaging campaign with Sullivan's Island the CVB, paused last year due to COVID, will include Folly Beach this year. A kickoff messaging event is in the planning stages. Council Member Smith said suggested the messaging encourage people to take their trash with them.

## 5. **Old Business**

### A. **Update on Phase III Drainage Project, small internal projects, and Waterway Boulevard path elevation**

Administrator Fragoso reported that applications for the Waterway Boulevard path elevation and the Forest Trail outfall have been submitted to CTC. She anticipates an answer in a few months.

She shared that Thomas & Hutton has updated the cost estimates for those projects. The Forest Trail outfall originally estimated to cost about \$800,000 is now expected to cost \$1.4M. The Waterway Boulevard project originally estimated to cost just over \$600,000 is now expected to cost \$900,000. Both estimates include a 25% contingency. The \$3.5M borrowed for the outfalls project may not be enough. She said there is the possibility of being able to use funds from the American Rescue Act to pay for the drainage projects. The City anticipates receiving approximately \$2.3M from that stimulus.

Director Kerr reported that 14 permits are needed for the outfall projects. To date, one has been fully approved, 4 have been conditionally approved, and the remaining 7 are in various stages of approval. Easements are still being finalized. Work at 41<sup>st</sup> Avenue will be completed after Labor Day.

**B. Update on island-wide Drainage Master Plan RFP**

Director Kerr said the Planning Commission will hold a Special Meeting on June 9 to interview three of the five companies who submitted bid proposals for the Drainage Master Plan. Their recommendation will go to the Ways & Means Committee on June 15.

**C. Discussion of potential solutions to drainage ditch erosion issues**

Administrator Fragoso reported that staff is developing draft guidelines she expects the Committee to be able to review next month. These guidelines will include an agreement between the City and the homeowner that would delineate the criteria that the homeowner would need to follow with the installation of materials to shore up ditches as well as give perpetual maintenance responsibility to the property owner. The agreement would also allow the City to remove any materials they deemed to be harmful to the overall drainage system.

Director Kerr added they are working with Thomas & Hutton to make the process as easy as possible to follow and execute.

Committee members and staff agreed the use of sandbags in the drainage ditches is a bad idea.

**D. Discussion of the creation of an Environmental Advisory Committee**

Administrator Fragoso reported that a page has been created to on the City's website inviting interested citizens to apply for membership on the Environmental Advisory Committee. Notification about the application process has also been shared in the local paper and on social media. No applications have been received yet. The deadline is June 30.

Administrator Fragoso expressed concern about the size of the group and recommends that it only be 7 members instead of 9. It will be important to stress meeting attendance to all members.

**6. New Business**

**7. Miscellaneous Business**

The next meeting of the Public Works Committee will be Wednesday, August 4, 2021 at 4:30pm unless action is needed by the Committee in July.

**8. Adjournment**

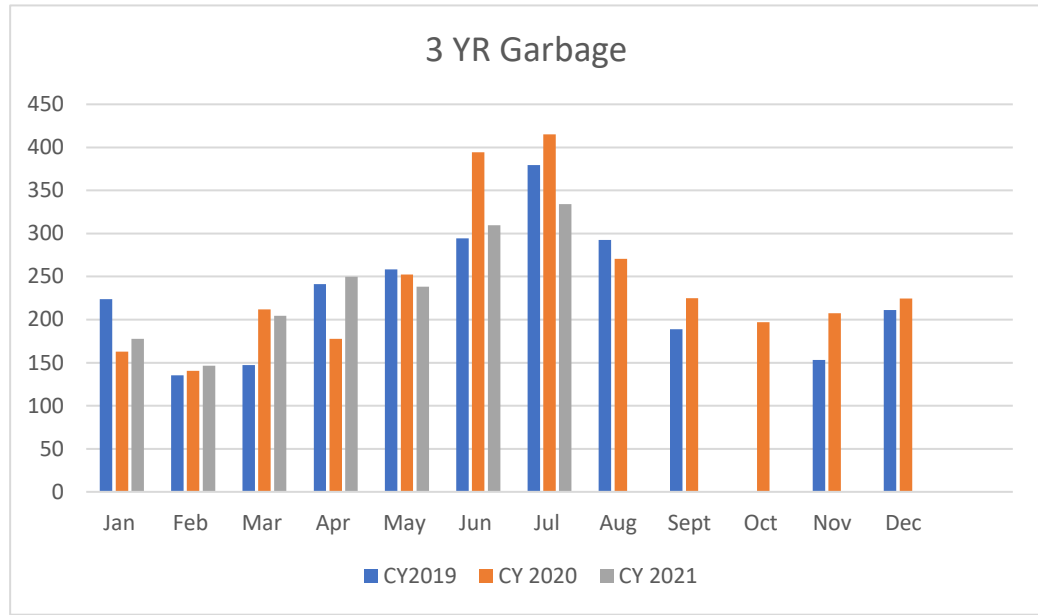
Council Member Smith made a motion to adjourn, and Council Member Ward seconded the motion. The meeting was adjourned at 5:46pm.

Respectfully submitted,

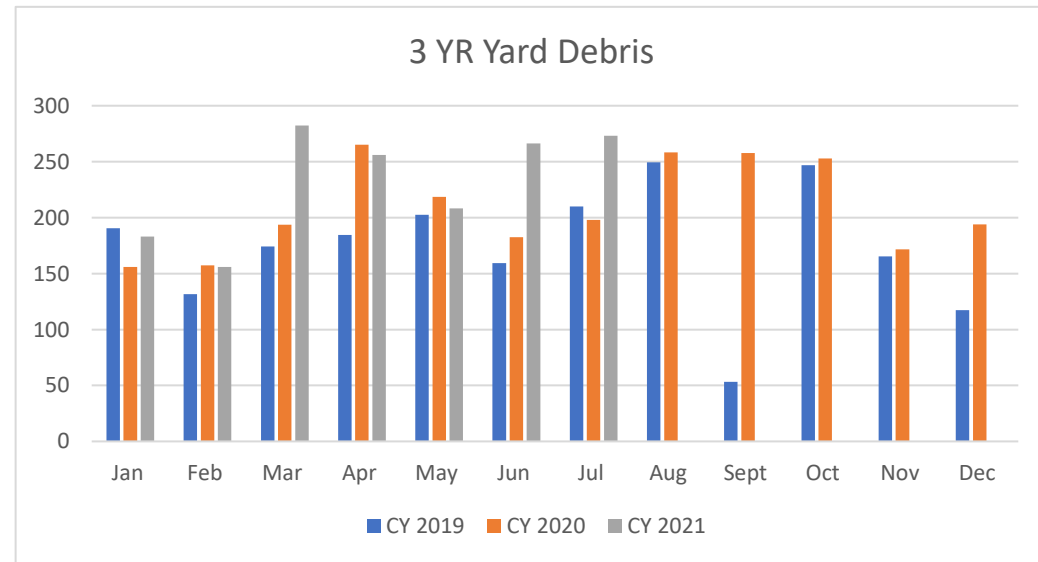
Nicole DeNeane  
City Clerk

**City of Isle of Palms  
Public Works Department - June - July 2021 Report**

	<u>CY2019</u>	<u>CY 2020</u>	<u>CY 2021</u>
<b>Column1</b>			
Jan	223.61	162.77	177.84
Feb	135.17	140.66	146.48
Mar	147.4	212.04	204.6
Apr	241.17	177.52	249.86
May	258.45	252.56	238.23
Jun	294.31	394.38	309.71
Jul	379.48	415.12	334.17
Aug	292.36	270.71	
Sept	188.86	224.87	
Oct	Dorian	196.94	
Nov	153.27	207.44	
Dec	211.04	224.45	



	<u>CY 2019</u>	<u>CY 2020</u>	<u>CY 2021</u>
<b>Column1</b>			
Jan	190.61	155.93	183.07
Feb	131.74	157.44	156.06
Mar	174.3	193.74	282.37
Apr	184.59	265.04	256.07
May	202.48	218.67	208.32
Jun	159.4	182.49	266.23
Jul	209.97	198.07	273.08
Aug	249.39	258.37	
Sept	53.11	257.64	
Oct	246.75	252.81	
Nov	165.36	171.54	
Dec	117.26	194.08	



**General duties**

**Sanitation:**

33.30 tons of misc. in June & 26.86 tons in July  
was transported to Palmetto Commerce Pkwy. \*\*

**VEHICLE MAINTENANCE**

Fund 10 GENERAL FUND	Beg. Balance	106,771.67
06/01/2021 IT 14G loader service call tire mount	232.00	107,003.67
06/01/2021 PW 28 service call tire	678.93	107,682.60
06/01/2021 credit	9	107,673.60
06/04/2021 stock tire and multiseal loader	992.97	108,666.57
06/10/2021 parts for air dryer pw24	79.19	109,137.48
06/10/2021 Antifreeze	42.30	109,179.78
6/14/2021 air brake parts	19.40	109,199.18
06/14/2021 PTO rebuild PW 22	7,093.96	116,293.14
06/14/2021 2 hyd. Cylenders rebuilt	1,556.52	117,849.66
06/23/2021 pw 24 service call 2 tires	1,263.78	119,113.44
END BALANCE	12,350.77	119,113.44

1-Jul-21

Fund 10 GENERAL FUND	Beg. Balance	90,000.00
07/06/2021 hose assbly PW22	268.66	89,731.34
07/13/2021 PW 24 2 tires	1015.19	88715.55
07/14/2021 PW 28tire eeplacement	997.40	87,718.15
07/14/2021 PW 26 6 tires	3213.86	84,504.29
END Balance	5495.11	84,504.29

**City of Isle of Palms, South Carolina**  
**PUBLIC WORKS - JULY 2021 Report**  
**Assistant director of Storm Water and Facilities**

**Drainage**

- Charleston county stormwater review plans for new home construction.
- Continuation of internal drainage projects 32<sup>nd</sup> Ave.
- Eadies Services extensive cleaning of Forest Trail basin drainage culverts.
- Eadies services vegetation/ditch restructuring of 25<sup>th</sup> Ave, Duck and Sparrow,
- Eadies services cleaning of 23<sup>rd</sup> Ave ditches.
- Eadies service ditch maintenance 4<sup>th</sup> and Palm.
- SCDOT cleaning of the 25<sup>th</sup> Ave drainage ditch.
- Drainage maintenance inventory for FEMA.
- SCDOT second repair of drainage on 41<sup>st</sup>
- Cleaning of drainage inlets by public works.

**Facilities**

- Repair of broken irrigation line at Front beach.
- City hall power washing of ramp.
- Additional repair of lights at city hall.
- Creation of a cleaning service RFP for City Hall, PSB and Public works.
- A/C repair at PSB.
- A/C PM filters at PSB.
- A/C repair of clogged drip line Fire station 2
- Scheduled test of electrical panel for the generator at the recreation center.

**Front beach**

- Clean up of parking lot / Front beach Ocean Blvd. trash and debris by public works.
- Ordering of supplies and managing cleaning crews for restrooms.
- Ordering and installation of street signs
- Front beach restroom plumbing repair.
- Installation of timers for front beach electrical panel.
- Replacement of landscape lighting at 14<sup>th</sup> center island and 14<sup>th</sup> beach access.

**Landscaping / Rights of way / Connector / Parks**

- Removal, releveling and replacement of Mobi mat at 9th Ave.
- Full maintenance of Palm Blvd. every week until the end of September.
- Additional ROW cleanup 45<sup>th</sup>- 41<sup>st</sup> landside and 4<sup>th</sup> to Breach inlet Creekside.
- Heavy vegetation cleanup of 46<sup>th</sup> Ave. beach path.
- Installation of 62 Flags for the 4<sup>th</sup> of July.
- Clean up of the connector debris by public works and the sweeping contractor.

**Compactor / Dumpster**

- Cleaned compactor pad and recycling area weekly.
- Repair of broken compactor gate.
- Removal of bulk items left by the PSB compactor weekly.
- Pressure washing of city trash compactor by public works.

**Certifications, training and meetings**

- Monthly UST testing of marina, public works and public safety building.
- DEHEC Marina and PSB underground storage tank compliance meeting.

PROJECT : Isle of Palms - 30th Avenue Outfall Improvements  
 LOCATION : Isle of Palms, SC  
 ESTIMATOR : HEA



OPINION OF PROBABLE CONSTRUCTION COST	
DATE PREPARED : 11/9/2020	REVISED: 7/29/21
<b>BASIS FOR ESTIMATE</b>	
<input type="checkbox"/>	(No design completed-Master Plan)
<input type="checkbox"/>	(Preliminary design)
<input checked="" type="checkbox"/>	(Final design)
<input type="checkbox"/>	(Other)

**OPINION OF PROBABLE CONSTRUCTION COST**

Since the Engineer has no control over the cost of labor, materials, equipment, over the Contractor's methods of determining prices, or over competitive bidding or market conditions, the Opinions of Probable Construction Costs provided for herein are made on the basis of his experience and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from Opinions of Probable Construction Costs prepared by him.

ITEM	DESCRIPTION	QUANTITY		COST	
		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
1031000	Mobilization	1	LS		\$ 65,200.00
1050800	Construction Staking	1	LS		\$ 20,000.00
1071000	Traffic Control	1	LS		\$ 20,000.00
-	As-Built Construction Plans	1	LS		\$ 10,000.00
2015000	Selected Clearing and Grubbing	0.5	AC	\$ 20,000.00	\$ 10,039.94
2023000	Removal & Disposal of Existing Pavement	392	SY	\$ 10.00	\$ 3,920.00
2028100	Removal & Disposal of Existing Bridge	1	EA	\$ 7,500.00	\$ 7,500.00
2031000	Unclassified Excavation	379	CY	\$ 35.00	\$ 13,265.00
2033030	Controlled Fill - Borrow Material	422	CY	\$ 25.00	\$ 10,550.00
2106000	Selected Removal of Marked Trees	18	EA	\$ 1,000.00	\$ 18,000.00
3050110	Graded Aggregate Base Course (10" Uniform)	462	SY	\$ 30.00	\$ 13,853.33
4020320	Hot Mix Asphalt Intermediate Course Type B	52	TON	\$ 200.00	\$ 10,390.00
4030320	Hot Mix Asphalt Surface Course Type B	39	TON	\$ 150.00	\$ 5,844.38
6271010	4" White Solid Lines (Pvt. Edge Lines) Thermo 90 MIL	100	LF	\$ 2.00	\$ 200.00
6271025	24" White Solid Lines (Stop/Diagonal Lines) Thermo 125 MIL	14	LF	\$ 2.00	\$ 28.00
2171074	4" Yellow Solid Lines (Pvt. Edge No Passing Zone) Thermo 90 MIL	152	LF	\$ 2.00	\$ 304.00
7141114	24" RC Pipe (Class III)	23	LF	\$ 120.00	\$ 2,760.00
7141118	48" RC Pipe (Class III)	762	LF	\$ 300.00	\$ 228,600.00
7192020	Drop Inlet (24" x 36")	5	EA	\$ 4,500.00	\$ 22,500.00
7192105	Manhole	1	EA	\$ 10,500.00	\$ 10,500.00
7222802	8' x 4' PC Box Culvert	91	LF	\$ 1,750.00	\$ 159,250.00
719228Z	Junction Box	1	EA	\$ 12,000.00	\$ 12,000.00
7016177	Headwall	1	EA	\$ 20,000.00	\$ 20,000.00
7121036	Continuous Flight Auger Cast Piles 12" Diameter	5	EA	\$ 1,500.00	\$ 7,500.00
719228Z	Junction Box	1	EA	\$ 75,000.00	\$ 75,000.00
-	In-Line Check Valve (48")	3	EA	\$ 48,000.00	\$ 144,000.00
-	In-Line Check Valve (12")	1	EA	\$ 10,000.00	\$ 10,000.00
-	Trash Rack	1	EA	\$ 15,000.00	\$ 15,000.00
-	Sluice Gate	3	EA	\$ 10,000.00	\$ 30,000.00
-	Hand Railing	36	LF	\$ 100.00	\$ 3,600.00
8041020	Rip-Rap Class B	70	TON	\$ 160.00	\$ 11,200.00
8048205	Geotextile for Erosion Control Under Rip-Rap (Class 2) Type B	90	SY	\$ 10.00	\$ 900.00
8131000	Sodding	2.10	MSY	\$ 10,000.00	\$ 21,000.00
-	Geogrid Matting (Maintenance Access)	735	SY	\$ 35.00	\$ 25,725.00
-	8" Line Stop	2	EA	\$ 8,000.00	\$ 16,000.00
-	Air Release Valve	1	EA	\$ 2,500.00	\$ 2,500.00
-	8" Gate Valve	2	EA	\$ 5,000.00	\$ 10,000.00
-	12" Gate Valve	2	EA	\$ 6,000.00	\$ 12,000.00
-	8" 45 Degree Bend	9	EA	\$ 500.00	\$ 4,500.00
-	12" 45 Degree Bend	4	EA	\$ 500.00	\$ 2,000.00
-	12" X 8" Tee	1	EA	\$ 600.00	\$ 600.00
-	12" MJ Sleeve	1	EA	\$ 600.00	\$ 600.00
-	8" PVC Force Main	52	LF	\$ 400.00	\$ 20,800.00
-	8" PVC Water Main	49	LF	\$ 400.00	\$ 19,600.00
-	12" PVC Water Main	52	LF	\$ 700.00	\$ 36,400.00
-	18" Steel Casing	40	LF	\$ 3,000.00	\$ 120,000.00
-	24" Steel Casing	20	LF	\$ 3,250.00	\$ 65,000.00
-	Power Pole Relocation	1	EA	\$ 7,500.00	\$ 7,500.00
-	Water Line Relocation (Wild Dunes)	1	LS	\$ 6,500.00	\$ 6,500.00
-	Misc. Soil Erosion Control/Water Management	1	EA	\$ 85,000.00	\$ 85,000.00
				<b>SUBTOTAL</b>	<b>\$ 1,417,629.65</b>
	Contingency	15.0	%	\$ 212,644.45	\$ 212,644.45
	<b>GRAND TOTAL OPINION OF CONSTRUCTION COST</b>				<b>\$1,630,300</b>

**Notes:**

- Utility relocation fees are estimated.
- No mitigation (wetland) fees included.
- No property costs (drainage easement, temporary const. easements, right-of way, etc.) are included.



PROJECT : Isle of Palms - Forest Trail Outfall Improvements  
 LOCATION : Isle of Palms, SC  
 ESTIMATOR : HEA



OPINION OF PROBABLE CONSTRUCTION COST	
DATE PREPARED : 11/9/2020	REVISED: 5/27/21
BASIS FOR ESTIMATE	
<input type="checkbox"/>	(No design completed-Master Plan)
<input type="checkbox"/>	(Preliminary design)
<input checked="" type="checkbox"/>	(Final design)
<input type="checkbox"/>	(Other)

**OPINION OF PROBABLE CONSTRUCTION COST**

Since the Engineer has no control over the cost of labor, materials, equipment, over the Contractor's methods of determining prices, or over competitive bidding or market conditions, the Opinions of Probable Construction Costs provided for herein are made on the basis of his experience and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from Opinions of Probable Construction Costs prepared by him.

ITEM	DESCRIPTION	QUANTITY		COST	
		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
1031000	Mobilization	1	LS		\$ 56,500.00
1050800	Construction Staking	1	EA		\$ 20,000.00
1071000	Traffic Control	1	LS		\$ 20,000.00
1090200	As-Built Construction Plans	1	LS		\$ 10,000.00
2015000	Selected Clearing and Grubbing	0.5	AC	\$ 20,000.00	\$ 9,600.00
2023000	Removal & Disposal of Existing Pavement	86	SY	\$ 10.00	\$ 860.00
2031000	Unclassified Excavation	400	CY	\$ 35.00	\$ 14,000.00
2106000	Selected Removal of Marked Trees	4	EA	\$ 1,000.00	\$ 4,000.00
3050110	Graded Aggregate Base Course (10" Uniform)	87	SY	\$ 30.00	\$ 2,610.00
4020320	Hot Mix Asphalt Intermediate Course Type B	7.2	TON	\$ 200.00	\$ 1,440.00
4030320	Hot Mix Asphalt Surface Course Type B	5.4	TON	\$ 150.00	\$ 810.00
2171074	4" Yellow Solid Lines (Pvt. Edge No Passing Zone) Thermo 90 MIL	56	LF	\$ 2.00	\$ 112.00
7141111	12" RC Pipe (Class III)	21	LF	\$ 130.00	\$ 2,730.00
7141119	54" RC Pipe (Class III)	213	LF	\$ 360.00	\$ 76,680.00
7192105	Manhole	2	EA	\$ 10,500.00	\$ 21,000.00
-	Head and Wingwall Structures	2	EA	\$ 50,000.00	\$ 100,000.00
7119100	Continuous Flight Auger Cast Piles 12" Diameter	720	LF	\$ 250.00	\$ 180,000.00
719228Z	Junction Box - With Grate Access (Pile Supported)	1	EA	\$ 75,000.00	\$ 75,000.00
-	In-Line Check Valve (54")	3	EA	\$ 60,000.00	\$ 180,000.00
-	In-Line Check Valve (12")	1	EA	\$ 10,000.00	\$ 10,000.00
-	Manually Operated Control Structures (Sluice Gates)	3	EA	\$ 45,000.00	\$ 135,000.00
-	Trash Rack	1	EA	\$ 15,000.00	\$ 15,000.00
-	Hand Railing	140	LF	\$ 200.00	\$ 28,000.00
8041020	Rip-Rap Class B	105	TON	\$ 160.00	\$ 16,800.00
8048205	Geotextile for Erosion Control Under Rip-Rap (Class 2) Type B	136	SY	\$ 10.00	\$ 1,360.00
8131000	Sodding	0.42	MSY	\$ 10,000.00	\$ 4,150.00
-	Geogrid Matting (Maintenance Access)	264	SY	\$ 35.00	\$ 9,240.00
-	12" 45 Degree Bend	4	EA	\$ 500.00	\$ 2,000.00
-	12" PVC Water Main	81	LF	\$ 700.00	\$ 56,700.00
-	24" Steel Casing	25	LF	\$ 3,250.00	\$ 81,250.00
-	Utility Coordination (Dry Utilities)	3	EA	\$ 5,000.00	\$ 15,000.00
-	Misc. Soil Erosion Control/Water Management	1	EA	\$ 85,000.00	\$ 85,000.00
				<b>SUBTOTAL</b>	<b>\$ 1,234,842.00</b>
	Contingency	15.0	%	\$ 185,226.30	\$ 185,226.30
	<b>GRAND TOTAL OPINION OF CONSTRUCTION COST</b>				<b>\$1,420,100</b>

**Notes:**

- Utility relocation fees are estimated.
- No mitigation (wetland) fees included.
- No property costs (drainage easement, temporary const. easements, right-of way, etc.) are included.

PROJECT : **Waterway Blvd Pathway**  
 LOCATION : Isle of Palms, SC  
 ESTIMATOR : BJP



OPINION OF PROBABLE CONSTRUCTION COST	
DATE PREPARED : 02/23/2021	REVISED: 5/27/21
BASIS FOR ESTIMATE	
X	(No design completed-Master Plan)
	(Preliminary design)
	(Final design)
	(Other)

**OPINION OF PROBABLE CONSTRUCTION COST**

Since the Engineer has no control over the cost of labor, materials, equipment, over the Contractor's methods of determining prices, or over competitive bidding or market conditions, the Opinions of Probable Construction Costs provided for herein are made on the basis of his experience and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. However, the Engineer cannot and does not guarantee that proposals, bids, or the construction cost will not vary from Opinions of Probable Construction Costs prepared by him.

ITEM	DESCRIPTION	QUANTITY		COST	
		UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
7141113	18" RC pipe (Class III)	920	LF	\$ 105.00	\$ 96,600.00
	Grate Inlet (48" X48")	9	EA	\$ 4,500.00	\$ 40,500.00
	15" Tide Control Check Valve	5	EA	\$ 15,000.00	\$ 75,000.00
	18" Tide Control Check Valve	4	EA	\$ 20,000.00	\$ 80,000.00
7192020	Drop Inlet (24" x 36")	6	EA	\$ 4,500.00	\$ 27,000.00
	Typical Treatment A	2,250	LF	\$ 82.00	\$ 184,500.00
	Typical Treatment A (driveways)	200	LF	\$ 222.00	\$ 44,400.00
	Typical Treatment A'	3,720	LF	\$ 28.00	\$ 104,160.00
	Typical Treatment B	1,825	LF	\$ 28.00	\$ 51,100.00
	Typical Treatment C	385	LF	\$ 28.00	\$ 10,780.00
	Typical Treatment D	345	LF	\$ 28.00	\$ 9,660.00
	Table Top Crossing	35	LF	\$ 50.00	\$ 1,750.00
				<b>SUBTOTAL</b>	<b>\$ 725,450.00</b>
	Contingency at	25.0	%		\$ 181,362.75
	<b>GRAND TOTAL OPINION OF CONSTRUCTION COST</b>				<b>\$906,813</b>

**Notes:**

1. No property costs (drainage easement, temporary const. easements, right-of way, etc.) are included.
2. Does not include mobilization, traffic control, construction staking, as-built construction plans, silt fence, etc.
3. No soft costs included such as Engineering, Surveying, Permitting, Legal, Land Acquisition, etc.

TREATMENT	DESCRIPTION	LF x WIDTH	UNIT MEASURE	IN COST UNITS	UNIT MEASURE	PER UNIT	TOTAL COST	COST PER LF	TOTAL COST PER LF
Typical Treatment A	Selected Clearing & Grubbing (12' x 1')	27000	SF	0.62	AC	\$20,000.00	\$12,396.69	\$ 6.00	\$ 82.00
	Removal & Disposal of Existing Pavement (Pathway) (5' x 1')	11250	SF	1249.88	SY	\$ 75.00	\$93,740.63	\$ 42.00	
	Marine Limestone Base Course (4" Uniform) (3' x 1')	6750	SF	749.99	SY	\$ 30.00	\$22,499.78	\$ 10.00	
	Surface Plane Asphalt Pavement 1.0" (8' x 1') + (3' x 1')	24750	SF	2749.97	SY	\$ 8.00	\$21,999.78	\$ 10.00	
	Controlled Fill - Borrow Material (12' x 1' x 0.5')	13500	CF	500.00	CY	\$ 30.00	\$14,999.99	\$ 7.00	
	Sodding (4' x 1')	9000	SF	999.90	SY	\$ 15.00	\$14,998.50	\$ 7.00	
Typical Treatment A (driveways)	Selected Clearing & Grubbing (12' x 1')	2400	SF	0.06	AC	\$20,000.00	\$ 1,101.93	\$ 6.00	\$ 222.00
	Removal & Disposal of Existing Pavement (Pathway) (5' x 1')	1000	SF	111.10	SY	\$ 75.00	\$ 8,332.50	\$ 42.00	
	Marine Limestone Base Course (4" Uniform) (3' x 1')	600	SF	66.67	SY	\$ 30.00	\$ 1,999.98	\$ 10.00	
	Surface Plane Asphalt Pavement 1.0" (8' x 1') + (3' x 1')	2200	SF	244.44	SY	\$ 8.00	\$ 1,955.54	\$ 10.00	
	Controlled Fill - Borrow Material (12' x 1' x 0.5')	1200	CF	44.44	CY	\$ 30.00	\$ 1,333.33	\$ 7.00	
	Replacement of Existing Driveways (12' x 1')	2400	SF	266.64	SY	\$ 110.00	\$29,330.40	\$ 147.00	
Typical Treatment A'	Selected Clearing & Grubbing (5' x 1')	18600	SF	0.43	AC	\$20,000.00	\$ 8,539.94	\$ 3.00	\$ 28.00
	Marine Limestone Base Course (4" Uniform) (3' x 1')	11160	SF	1239.99	SY	\$ 30.00	\$37,199.63	\$ 10.00	
	Surface Plane Asphalt Pavement 1.0" (8' x 1') + (3' x 1')	40920	SF	4546.62	SY	\$ 8.00	\$36,372.97	\$ 10.00	
	Sodding (3' x 1')	11160	SF	1239.88	SY	\$ 15.00	\$18,598.14	\$ 5.00	
Typical Treatment B	Selected Clearing & Grubbing (5' x 1')	9125	SF	0.21	AC	\$20,000.00	\$ 4,189.62	\$ 3.00	\$ 28.00
	Marine Limestone Base Course (4" Uniform) (3' x 1')	5475	SF	608.33	SY	\$ 30.00	\$18,249.82	\$ 10.00	
	Surface Plane Asphalt Pavement 1.0" (8' x 1') + (3' x 1')	20075	SF	2230.53	SY	\$ 8.00	\$17,844.27	\$ 10.00	
	Sodding (3' x 1')	5475	SF	608.27	SY	\$ 15.00	\$ 9,124.09	\$ 5.00	
Typical Treatment C	Selected Clearing & Grubbing (5' x 1')	1925	SF	0.04	AC	\$20,000.00	\$ 883.84	\$ 3.00	\$ 28.00
	Marine Limestone Base Course (4" Uniform) (3' x 1')	1155	SF	128.33	SY	\$ 30.00	\$ 3,849.96	\$ 10.00	
	Surface Plane Asphalt Pavement 1.0" (8' x 1') + (3' x 1')	4235	SF	470.55	SY	\$ 8.00	\$ 3,764.41	\$ 10.00	
	Sodding (3' x 1')	1155	SF	128.32	SY	\$ 15.00	\$ 1,924.81	\$ 5.00	
Typical Treatment D	Selected Clearing & Grubbing (5' x 1')	1725	SF	0.04	AC	\$20,000.00	\$ 792.01	\$ 3.00	\$ 28.00
	Marine Limestone Base Course (4" Uniform) (3' x 1')	1035	SF	115.00	SY	\$ 30.00	\$ 3,449.97	\$ 10.00	
	Surface Plane Asphalt Pavement 1.0" (8' x 1') + (3' x 1')	3795	SF	421.66	SY	\$ 8.00	\$ 3,373.30	\$ 10.00	
	Sodding (3' x 1')	1035	SF	114.99	SY	\$ 15.00	\$ 1,724.83	\$ 5.00	
Table Top Crossing	Hot Mix Asphalt Surface Course Type B (9.5' x 1' x 0.5')*	166.25	CF	9.14	TON	\$ 150.00	\$ 1,371.56	\$ 40.00	\$ 50.00
	Crosswalk Striping	-	-	35.00	LF	\$ 10.00	\$ 350.00	\$ 10.00	

\*(9.5' x 1' x 0.5') assuming 8' flat top with 3:1 side slopes and 6" layer thickness

## **City of Isle of Palms, South Carolina Environmental Advisory Committee**

Residents of the Isle of Palms are invited to apply to be a member of the Environmental Advisory Committee. The online application is available below. The deadline to submit an application is 5:00 p.m., Wednesday, June 30, 2021.

### **Purpose of the Environmental Advisory Committee:**

City Council formed the Environmental Advisory Committee to advise City Council on matters of environmental impact, protections, conservation, and sustainability by exploring innovations, best practices & data around changes.

The Environmental Advisory Committee may address matters as requested by City Council and its committees, and on its own accord take up issues and initiatives that fit within its mission, with regular reporting to the council.

### **Goals of the Environmental Advisory Committee:**

- Protect the environment, endangered species and natural resources.
- Reduce litter and pollution.
- Pursue energy conservation.
- Develop environmental messaging and branding to promote best practices.
- Support Isle of Palms as a strong environmental leader in South Carolina and model for other coastal communities.
- Develop and support partnerships with related community groups and stakeholders.

### **Qualifications:**

- Membership is open without regard to race, color, religion, sex, age, national origin, physical or mental disability, marital status, family status, veteran status, or membership in any other group protected by law in accordance with applicable federal, state, and local laws.
- Applicants shall demonstrate an ability to understand complex issues and respect the diversity of interests of community members.
- Applicants shall demonstrate and encourage flexibility when considering perspectives of non-participating citizens and interest groups.
- Candidates will be selected by the Personnel Committee based on ensuring that it is representative of a diversity of community members.
- Applicants must be available to meet every other month or as needed. Meetings may generally last one hour.

### **General Conditions:**

- The board will consist of nine (9) adult citizens, one of which would be a City Council liaison, one (1) college student, and one (1) high school student.
- Members shall serve 3-year terms. Students will serve a one (1) year term.
- Members shall be chosen by the Personnel Committee at a public meeting.
- All members shall serve without compensation.
- Failure of any member to attend three consecutive meetings; misconduct; or nonperformance of duty, may be cause for removal from the advisory board by the Council.
- The advisory board shall have no authority to make any expenditures on behalf of the City or to obligate the City for payments of sums of money, without prior Council approval.
- All meetings will conform to legal requirements for public meetings, including public notice and record-keeping.

## City of Isle of Palms

### Applications for the Environmental Advisory Committee

	First Name	Last Name	Address	Email	Phone
1	Sandra	Brotherton	5 Driftwood Ln	brothers@musc.edu	(843) 860-1863
2	Jordan	Burrell	2702 Cameron Blvd	jiheartclemson@gmail.com	(843) 974-7498
3	nadine	deif	3305 Hartnett Blvd	ndeif@yahoo.com	(843) 926-3850
4	Meg	Elam	27 32nd Ave	meggelam@gmail.com	(843) 901-1709
5	Deb	Faires	PO BOX 7	debfares33@gmail.com	(252) 943-4648
6	Liz	Firestone	36 Beachwood W	liz.firestone1@gmail.com	(843) 810-9587
7	Matthew	Fishburne	6 Fairway Village Lane	<a href="mailto:mdf718@outlook.com">mdf718@outlook.com</a>	(704) 439-7701
8	jeffery	forslund	241 forest trail	ukases@yahoo.com	(843) 296-1972
9	Doug	Hatler	9 27th Avenue	dhatler@envbizven.com	(973) 534-8751
10	Laura	Judson	3304 Cameron Blvd	laurajudson@bellsouth.net	(843) 442-2719
11	Alexander	Jurgela	31 25th Ave	alexjurgela@gmail.com	(843) 242-8940
12	Grace	Jurgela	31 25th Ave	gjurgela@ucsd.edu	(267) 309-8260
13	Jonathan	Knoche	11 Chapman Ave	jon.w.knoche@gmail.com	(507) 696-4579
14	Katrina	Limbach	10 Seahorse Court	katrina@iopbeachchair.com	(810) 531-3644
15	Molly	Marino	210 Palm Blvd.	mollymarino22@yahoo.com	(843) 834-6296
16	Kenneth	McDowell	16 Fairway Village Ln.	komcdowell@earthlink.net	(713) 870-5743
17	Margaret V	Miller	2702 Hartnett Blvd	mvmiller05@me.com	(843) 367-1868
18	Megan	Naylor	2 Frank Sottile Lane	megnaylor@yahoo.com	(818) 813-1301
19	Belvin	Olasov	11 29TH AVE	belvinolasov@gmail.com	(843) 509-0710
20	Kimberly	Parrish	605 Carolina Blvd	ms.kimberly1119@gmail.com	(614) 226-0728
21	Monica	Pelletier	16 Wills Way	pelletiermonicaa@hotmail.com	(843) 810-8552
22	Linda	Plunkett	3 32nd Ave	LINDAPLUNKETTIOP@GMAIL.COM	(843) 814-2480
23	Mary	Pringle	713 Ocean Blvd	marybpringle@gmail.com	(843) 697-8733
24	Deborah	Stanley	24 Hidden Green Lane	a1bookworm@bellsouth.net	(843) 412-5507
25	Rebecca	Stephenson	294 Forest Trail	Stephenson.rebecca@gmail.com	(843) 813-3079
26	Laurie	Tardif	5 Abalone Alley	bvplaurie@gmail.com	(704) 264-7338
27	Nicolette	Terenzi	3305 Cameron Blvd	nicoletteterenzi@gmail.com	(704) 604-1620