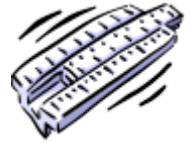


***PUBLIC WORKS DEPARTMENT  
Monthly Report***

***Kevin D. Blayton, PE  
Director***



***ENGINEERING DIVISION  
Travis Dupree, PE  
Engineering Manager***



***SANITATION DIVISION  
Lent Williams, Superintendent***



***STREET & DRAINAGE DIVISION  
Robert Turner, Superintendent***



***UTILITY DIVISION  
Ralph Norris, Superintendent***



***April 2017***

# Public Works Department

## *Monthly Statistics*

	2017	2016
<b>Water Supply &amp; Demand – February</b>		
• Monthly Avg. Day System	3.1 MGD	2.9 MGD
• Average Day Measured**	3.0 MGD	2.6 MGD
• Monthly Total System Water	97,268,100 Gallons	88,274,400 Gallons
• Billed Water**	91,444,000 Gallons	79,482,000 Gallons
<b>Wastewater Collection &amp; Treatment - February</b>		
• Monthly Average Daily Flow	2.7 MGD	3.9 MGD
• Monthly Peak Daily Flow	5.6 MGD	6.8 MGD
• Total Metered Flow**	2.6 MGD	2.3 MGD
• Billed Usage**	79,914,000 Gallons	69,252,000 Gallons
• Unbilled Usage**	382,000 Gallons	353,000 Gallons
<b>Solid Waste Collection &amp; Disposal – February</b>		
• Volume		
○ MSW	736 Tons	730 Tons
○ Yard Waste	342 Tons	266 Tons
○ Recycled (Includes E-Waste)	127 Tons	132 Tons
○ C & D	81 Tons	62 Tons
○ Total Pick-up/Disposal	1,286 Tons	1,190 Tons
• Recycling %	17.3%	18.1%
• Landfill Disposal Cost	\$28,937	\$26,740

\*\*Includes portion of current month and prior month based on meter reading schedule

### *Departmental Notes – March 2017*

- *Capital Project Update attached*
- *CCU Ocean Monitoring Report - February*

# Public Works Department Capital Improvement Project Update

## *Water and Sewer System Improvements*

<b>Description</b>	<b>Location</b>	<b>Engineer / Contractor</b>	<b>Funding Source / Cost</b>	<b>Status</b>	<b>Progress &amp; Goal</b>
2016 Water Improvements	Various	Thompson/Dupree/Blayton	Utility Fund	Design 90%	Bid June 2017
		TBD	\$750,000		
2016 Sewer Improvements	Various	Thompson/Dupree/Blayton	Utility Fund	Construction 0%	Begin construction early April.
		TBD	\$1,630,000		
South Ocean Boulevard Water/Sewer, Crescent Beach	17 <sup>th</sup> Avenue South to 28 <sup>th</sup> Avenue South	Dupree/ DDC	Utility Fund	Construction 35%	Continue Construction
		RH Moore			
AIWW Retaining Wall	Ocean Drive WWTP	Thompson / Dupree / Blayton	Water & Sewer Capital	Construction 0%	Begin Construction May 2017.
		Greenwall	\$1,435,000		
Riverside Drive Water/Sewer	Riverside Dr. LRN Rd. to end	Dupree/Blayton	Water/Sewer Impact	Design 20%	Continue survey and design.
		City Force/TBD	\$350,000		

## *Storm Drainage System Improvements*

<b>Description</b>	<b>Location</b>	<b>Engineer / Contractor</b>	<b>Funding Source / Cost</b>	<b>Status</b>	<b>Progress &amp; Goal</b>
Priority Group 1 Drainage System Improvements	LRNR – Magnolia Drive Pond 11 <sup>th</sup> Avenue North – Bellamy Rd 5 <sup>th</sup> Avenue South to 6 <sup>th</sup> Avenue South Pine Street	Thompson / Dupree / Blayton	Stormwater Fee	Design 90% Complete	Continue survey and design. Bid April 2017.
		TBD	\$515,000		

# Public Works Department Capital Improvement Project Update

## *Street Improvements*

<b>Description</b>	<b>Location</b>	<b>Engineer / Contractor</b>	<b>Funding Source / Cost</b>	<b>Status</b>	<b>Progress &amp; Goal</b>
11 <sup>th</sup> Ave N Road Widening	11 <sup>th</sup> Ave N – Hwy 17 to Golfview Drive	Dupree/Blayton/Stantec	Development/Street Imp Fund/CTC	Design Complete	Bid April 2017
		TBD	\$2,500,000		
South Ocean Blvd Widening, Crescent Beach	17 <sup>th</sup> Ave S to 28 <sup>th</sup> Ave S	Dupree / Blayton/Stantec	SCDOT/GSATS	Design 90%	Continue Design. Obtain SCDOT approval
		TBD	\$3,500,000		
South Ocean Boulevard E/C/T, Crescent Beach	17 <sup>th</sup> Avenue South to 28 <sup>th</sup> Avenue South	Dupree/ DDC	Street Imp Fund, Franchise Fund	35% Construction	Continue Construction
		RH Moore			
Hwy 17 South Intersections Windy Hill	Ocean Creek to Barefoot Resort Bridge Rd.	SCDOT/STV	SCDOT / GSATS	Construction	Continue Construction
		Palmetto	\$3,329,000		
Hwy 17 South E/C/T, Windy Hill	Ocean Creek to WH Rd. Ext.	Dupree/DDC	Street Imp Fund, Franchise Fund	Construction 95%	Pull wire set equipment remove poles
		Greenwall Construction	\$5,800,000		
NOB E/C/T Cherry Grove	Sea Mountain Hwy to 29 <sup>th</sup> Ave North	Dupree/Mead & Hunt	Street Imp Fund, Franchise Fund	Construction – 50%	Continue Construction
		TBD			
Roadway, Sidewalk, & Paving Improvements	Various	Thompson/Dupree/Blayton	Street Imp Fund	Construction – 0%	Bid Construction – April 1, 2017
		Southern Asphalt	\$1,760,000		
Lake Avenue Boardwalk	Cherry Grove Marsh along Lake Ave. @ Burgess Preserve	Dupree / Blayton	Street Imp Fund	Preliminary design complete	Construction deferred, funding and right-of-way
		TBD	\$750,000 Estimate		

# Public Works Department Capital Improvement Project Update

## *Street Improvements*

<b>Description</b>	<b>Location</b>	<b>Engineer / Contractor</b>	<b>Funding Source / Cost</b>	<b>Status</b>	<b>Progress &amp; Goal</b>
2 <sup>nd</sup> Avenue North Widening	Highway 17 at 2 <sup>nd</sup> Avenue North	Thompson/Dupree/Blayton	Street Imp Fund	Design complete.	Construction deferred, development schedule.
		TBD	\$95,000		
Beach Access Handicap Boardwalks	3 <sup>rd</sup> Ave S 60 <sup>th</sup> Ave N 33 <sup>rd</sup> Ave S – Replace Handrail	Thompson/Dupree/Blayton	Street Imp Fund	Construction – 60%	Continue Construction
		Sellers	\$99,000		
Eastcoast Greenway	Water Tower Road	Dupree / Blayton	Street Imp Fund/SCDOT	Construction – 50%	Begin Construction February 2017
		Coastal Asphalt	\$530,000		



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**North Myrtle Beach - Ocean Monitoring**  
**Official Results for February 2017**

Laboratory Sample ID	Field Sample or Site ID	SC DHEC Waccamaw Site ID	Sampling Site Location	Sample Collection Point	Collection Date	Collection Time	Nearest Tidal State	Nearest Tide Time	Salinity (psu)	Conductivity (uS)	Enterococci Most Probable Number (MPN/100ml)	Sample Type
E17-0234	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	2/6/2017	11:45	Low	10:07	33.5		<10	Grab
E17-0234	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	2/6/2017	11:45	Low	10:07	33.5		10	LD
E17-0235	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	2/6/2017	11:45	Low	10:07	33.5		<10	FD
E17-0236	WAC-09	WAC-09	47th Ave. South	Street end	2/6/2017	11:57	Low	10:07	34.6		10	Grab
E17-0237	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	2/6/2017	12:10	Low	10:07	34.7		<10	Grab
E17-0238	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	2/6/2017	12:23	Low	10:07	34.8		<10	Grab
E17-0239	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	2/6/2017	12:38	Low	10:07	34.8		20	Grab
E17-0240	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	2/6/2017	12:33	Low	10:07	34.8		<10	Grab
E17-0241	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	2/6/2017	12:47	Low	10:07	34.8		<10	Grab
E17-0242	WAC-04	WAC-04	18th Ave. North	Street end and pipe discharge	2/6/2017	12:55	Low	10:07	34.8		<10	Grab
E17-0243	WAC-03	WAC-03	30th Ave. North	Street end	2/6/2017	13:04	Low	10:07	34.9		<10	Grab
E17-0244	WAC-02	WAC-02	45th Ave. North	Street end	2/6/2017	13:12	High	16:05	34.9		<10	Grab
E17-0245	WAC-01	WAC-01	59th Ave. North	Street end	2/6/2017	13:21	High	16:05	34.9		10	Grab
E17-0272	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	2/13/2017	11:25	High	9:41	34.1		<10	Grab
E17-0273	WAC-09	WAC-09	47th Ave. South	Street end	2/13/2017	11:37	High	9:41	34.5		<10	Grab
E17-0273	WAC-09	WAC-09	47th Ave. South	Street end	2/13/2017	11:37	High	9:41	34.5		10	LD
E17-0274	WAC-09	WAC-09	47th Ave. South	Street end	2/13/2017	11:37	High	9:41	34.5		10	FD
E17-0275	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	2/13/2017	11:44	High	9:41	34.5		10	Grab
E17-0276	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	2/13/2017	11:59	High	9:41	34.5		10	Grab
E17-0277	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	2/13/2017	12:17	High	9:41	34.5		<10	Grab
E17-0278	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	2/13/2017	12:12	High	9:41	34.5		<10	Grab
E17-0279	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	2/13/2017	12:28	High	9:41	34.6		<10	Grab

\* All enterococci results determined by IDEXX Defined Substrate Technology method using IDEXX Enterolert reagent and IDEXX Quanti-Tray and at least a 1/10 dilution.



# COASTAL CAROLINA UNIVERSITY

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E17-0280	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	2/13/2017	12:37	High	9:41	34.5		<10	Grab
E17-0281	WAC-03	WAC-03	30th Ave. North	Street end	2/13/2017	12:45	High	9:41	34.6		<10	Grab
E17-0282	WAC-02	WAC-02	45th Ave. North	Street end	2/13/2017	12:53	Low	15:57	34.6		<10	Grab
E17-0283	WAC-01	WAC-01	59th Ave. North	Street end	2/13/2017	13:03	Low	15:57	34.6		<10	Grab
E17-0361	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	2/20/2017	11:36	Low	9:19	32.4		10	Grab
E17-0362	WAC-09	WAC-09	47th Ave. South	Street end	2/20/2017	11:48	Low	9:19	34.0		<10	Grab
E17-0363	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	2/20/2017	11:57	Low	9:19	34.0		<10	Grab
E17-0363	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	2/20/2017	11:57	Low	9:19	34.0		<10	LD
E17-0364	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	2/20/2017	11:57	Low	9:19	34.0		<10	FD
E17-0365	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	2/20/2017	12:10	Low	9:19	34.1		<10	Grab
E17-0366	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	2/20/2017	12:20	High	15:08	34.2		10	Grab
E17-0367	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	2/20/2017	12:26	High	15:08	34.1		<10	Grab
E17-0368	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	2/20/2017	12:34	High	15:08	34.2		10	Grab
E17-0369	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	2/20/2017	12:43	High	15:08	34.2		31	Grab
E17-0370	WAC-03	WAC-03	30th Ave. North	Street end	2/20/2017	12:51	High	15:08	34.3		10	Grab
E17-0371	WAC-02	WAC-02	45th Ave. North	Street end	2/20/2017	12:59	High	15:08	34.3		<10	Grab
E17-0372	WAC-01	WAC-01	59th Ave. North	Street end	2/20/2017	13:07	High	15:08	34.3		<10	Grab
E17-0402	WAC-09A	WAC-09A	White Pt. Swash	Swash confluence	2/27/2017	11:06	High	8:34	33.5		41	Grab
E17-0403	WAC-09	WAC-09	47th Ave. South	Street end	2/27/2017	11:19	High	8:34	33.9		<10	Grab
E17-0404	WAC-08	WAC-08	33rd Ave. South	Street end and pipe discharge	2/27/2017	11:28	High	8:34	33.9		<10	Grab
E17-0405	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	2/27/2017	11:38	High	8:34	33.9		10	Grab
E17-0405	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	2/27/2017	11:38	High	8:34	33.9		<10	LD

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E17-0406	WAC-07	WAC-07	17th Ave. South	Street end and pipe discharge	2/27/2017	11:38	High	8:34	33.9		<b>10</b>	FD
E17-0407	WAC-06	WAC-06	9th Ave. South	Street end and pipe discharge	2/27/2017	11:54	Low	14:45	34.0		<b>&lt;10</b>	Grab
E17-0408	WAC-05A	WAC-05A	7th Ave. South	Street end and pipe discharge	2/27/2017	11:49	Low	14:45	33.9		<b>&lt;10</b>	Grab
E17-0409	WAC-05	WAC-05	3rd Ave. North	Street end and pipe discharge	2/27/2017	12:02	Low	14:45	34.0		<b>&lt;10</b>	Grab
E17-0410	WAC-04	WAC-04	16th Ave. North	Street end and pipe discharge	2/27/2017	12:12	Low	14:45	34.0		<b>10</b>	Grab
E17-0411	WAC-03	WAC-03	30th Ave. North	Street end	2/27/2017	12:20	Low	14:45	33.9		<b>&lt;10</b>	Grab
E17-0412	WAC-02	WAC-02	45th Ave. North	Street end	2/27/2017	12:30	Low	14:45	33.9		<b>&lt;10</b>	Grab
E17-0413	WAC-01	WAC-01	59th Ave. North	Street end	2/27/2017	12:41	Low	14:45	33.9		<b>&lt;10</b>	Grab

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