



Department of Public Works Quarterly Report July – September 2017

I. Airport Division (CUB)

Airport Improvement Program

The Federal Aviation Administration has issued our annual Airport Improvement Program (AIP) grant. The following funding breakdown applies and it will cover the upcoming construction of the Airfield Lighted Signage project:

• Federal	Federal Aviation Administration	\$558,881
• State	South Carolina Aeronautics Commission	\$ 31,049
• Local	Richland County	<u>\$ 31,049</u>
	Total	\$620,979

These annual Federal and State grants are the lifeblood of the airport’s capital development program, allowing for an investment of five cents of local funds with a one dollar return.

Airport Improvements

Airport and County Planning staff met with members of the City of Columbia’s Planning Staff and the South Carolina Aeronautics Commission on August 2nd to discuss an update and improvements to the City’s Airport Overlay District ordinance.

The Eclipse Event

The eclipse event on August 21st was a very busy day at the airport. Over 61 aircraft visited in the course of the day with periods of high traffic activity throughout the morning. We had fewer jets than expected, but more piston aircraft. Our Fixed Base Operator (FBO), Eagle Aviation provided a complimentary hotdog lunch for our visitors. The Experimental Aircraft Association (EAA) Chapter hosted an Eclipse luncheon party in which both based tenants and visitors participated. Finally, the airport served as the base of operations for the US Army Parachute Team, the Golden Knights, who jumped into Fort Jackson during the period of totality.



The World War II Arrival

The World War II vintage B-17 Bomber, *Madras Maiden*, which is owned and operated by The Liberty Foundation, arrived near sunset on Saturday evening, September 23rd, and operated out of the Airport on Sunday, September 24th. The flight crew was briefed on noise abatement procedures which helped in mitigating disruption to the nearby neighborhoods. An image of the arrival, taken by Airport Commissioner and neighborhood representative Tim Mousseau, is shown below. Another vintage aircraft, the 1929 Ford Tri-Motor will be visiting the airport in late October.



Photo courtesy of Tim Mousseau (c) 2017

Hours of Operation

The airport remained open during normal operating hours (6:00 a.m. – 10:00 p.m.) throughout Tropical Storm Irma on September 11th and 12th.

II. Engineering Division (ENG)

Completed Project

- Bagpipe Road spillway repair caused by the 2015 flood

Engineering Certifications, Trainings, Awards and Recognitions

- Allison Steele received her Professional Engineer License and was promoted to Assistant County Engineer
- Mr. David Cable retired after 27 years of service to the County.

III. Roads & Drainage Maintenance Division (RMD)

Roads and Drainage Division showed outstanding unity and teamwork during the emergency planning, preparation and recovery phase of Hurricane Irma. The Supervisors and Crew Members showed

remarkable leadership and professionalism while making sure that citizens of Richland County's roads and drainage systems were inspected prior to the hurricane.

Daily Activities

The Roads and Drainage Division responds to hundreds of Service Requests during each month. The Department goal is to respond to the citizen within 24 hours.

January 1, 2017 to March 30, 2017:

- Road Scrapes: 169
- Clean/ Cut Back Ditch: 69
- Cut/ Mow Shoulder of Road: 45
- Drainage Problem: 130
- Blowout/ Sinkhole: 45
- Emergency Maintenance/ Private Road: 14
- **Average Days to Complete: 7.51**
- **Percent Completed: 99.77 %**

April 1, 2017 to June 30, 2017:

- Road Scrapes: 213
- Clean/ Cut Back Ditch: 134
- Cut/ Mow Shoulder of Road: 132
- Drainage Problem: 185
- Blowout/ Sinkhole: 74
- Emergency Maintenance/ Private Road: 14
- **Average Days to Complete: 8.33**
- **Percent Completed: 98.45 %**

July 1, 2017 to September 30, 2017:

- Road Scrapes: 164
- Clean/ Cut Back Ditch: 128
- Cut/ Mow Shoulder of Road: 206
- Drainage Problem: 267
- Blowout/ Sinkhole: 59
- Emergency Maintenance/ Private Road: 7
- **Average Days to Complete: 10.86**
- **Percent Completed: 94.65 %**

Community Outreach Visits

The Roads and Drainage Division is often asked to participate in school career days, science fairs and other events. Below is a list of the schools staff visited in the past quarter.

- Sandel Elementary School
- Gadsden Elementary School
- Webber Elementary School
- Killian Elementary School

RMD Certifications, Trainings, Awards and Recognitions

New Certifications and licenses

- Brandon Scruggs (South Crew) achieved an “A” Commercial Driver’s License
- Ernest Bennett (South Crew) achieved an ”A” Commercial Driver’s License
- James Gamble (Ballentine Crew) achieved an “A” Commercial Driver’s License

Employee Promotions

- Curtis Robertson Jr. : Promoted to Roads and Drainage Assistant General Manager
- Travis Thomas : Promoted to Asphalt Crew Supervisor
- Eric Wider: Promoted to Sign Shop Crew Leader
- Dexter Wilson: Promoted to Operator III
- Rodney Harris : Promoted to Operator II
- Brion Hayes: Promoted to Operator II
- James Gamble: Promoted to Operator II

Academic Accomplishments

- Leslie McCray achieved a Bachelor’s Degree in Criminal Justice in November 2016. She graduated with honors. Ms. McCray was accepted into the Master’s Degree Program and began August 2017.

IV. Solid Waste and Recycling Division (SWR)

Bulk Item Collection

During the quarter, the Division completed work on a proposal to end the requirement for scheduling the collection of bulk items. Staff participated in Situational Committee meetings, meetings with the Ombudsman’s Office, and meetings with the solid waste haulers to work out the details. Bulk items will be collected the 2nd and 4th week of each month. It is anticipated that the changes will take effect during November.

Route Management System

The County’s vendor for the Route Management System, Fleetmind, had its kickoff meeting with the Division and Capital Waste Services (CWS). Fleetmind has scheduled the installation of equipment in

CWS's trucks and will start uploading the information from Solid Waste pertaining to all addresses and roll carts. After that is completed, the routes will be set up in the system.

Joint Recycling Event at Mill Creek United Methodist Church and Zion Mill Creek Baptist Church

A joint recycling event was held Saturday, September 30th between 7am and 11am at Mill Creek United Methodist Church. During the event, 101 vehicles dropped off 7 tons of recyclable materials during the event.

Summit Recycling Event

On September 16th a recycling event was held at the Brooklyn Baptist NE Campus in the Summit. During the event 226 vehicles dropped off almost 10 tons of recyclable materials.

Warning Tickets & Citations

During the quarter, Refuse Control Officers issued 136 warning tickets and 30 citations.

Illegal Dump Sites

Officers investigated 212 illegal dumping requests from One Stop.

Richland County C&D Landfill Drop-off Center

The loading dock at the Drop-off Center was paved using grant funds from SC DHEC. This has allowed extra trailers to be staged at the Center and improved access to the dock by the haulers.

V. Stormwater Management Division (SH2O)

Quarterly Inspections and Enforcement Activities

Stormwater Management Division staff conducts a variety of inspections aimed at improving water quality and ensuring adequate maintenance of stormwater infrastructure.

Inspection Activities:

- Responded to 34 OneStop complaints
- Inspected 92 ponds;
- 29 SWPPP Facility Inspections;
- 6 PHF Inspections
- Issued 2 Notice of Violations;

Monitoring Activities

The Stormwater Management Division actively monitors multiple waterways within the county and is currently revising the monitoring plan to further gauge the health of county waterways.

Quarterly Sampling efforts:

- Drafted the stormwater monitoring report;
- 10 ambient (in stream) samples;
- 8 dissolved oxygen samples.

Education and Outreach

The Stormwater Management Division’s outreach efforts have already been extensive in this quarter.

Major Projects:

- RCSC annual report
- Planning pond management conference
- Planning Blue Thumb Landscaper Conference
- Planning Adopt-A-Stream workshop



Backyard Landscaping Workshop

Outreach Events

- Summer Celebration of Water
- Presentation to USC ENVR101 Class
- Killian Elementary Field Studies
- Dutch Fork Elementary presentation
- Lawn Basics for Beginners workshop

Stormwater Certifications, Trainings, Awards and Recognitions

With constant changes in stormwater regulations from state and federal government, continuing education is crucial to keeping the County’s stormwater program in compliance and ready to handle new challenges.

New Certifications and Staff Recognitions:

- Four stormwater staff members attended the International Erosion Control Field Day in Anderson, SC. Each member received a certificate of attendance
- Cynthia Kester: Webinar IECA Steep Slope Stabilization Using Environmentally Sound Techniques, dated 10/9/17

Capital Improvement Projects and Stormwater Management Division Initiatives

The Stormwater Management Division began new initiatives, closed out lingering projects The major accomplishments are outlined below.

- Northpoint Business Blvd Discharge Repair Project completed
- Knollwood Property Buyouts Application submitted to FEMA

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