



MEMORANDUM

TO: Mayor Sulka and Members of Town Council
FROM: Kim Jones, Director of Engineering & Public Works
SUBJECT: Engineering & Public Works Update
DATE: January 13, 2015
CC: Marc Orlando, Town Manager

CAPITAL IMPROVEMENTS PROGRAM (CIP) UPDATES

OLD TOWN IMPROVEMENTS

May River Road Streetscape (Final Phase): Design Phase

- Met with Consultant team and Town Manager to discuss ideas for items to be included to the Conceptual Plan.
- Awaiting Change Order for Conceptual Plan design.

Calhoun Street and Adjacent Area Study: Conceptual Phase

- Met with Consultants in December to review Council Workshop direction and discuss presentation to Council.
- Consultant presented information on Calhoun Street study to Council.
- Consultant will refine information for Council Workshop.

STORMWATER

May River Watershed Action Plan Wetlands Restoration: Conceptual Phase

- Adjacent parcel and offsite survey work has been completed. Survey ongoing at project area for site characteristics and topography.
- Staff is continuing to keep property owners updated on the progress of the initial investigations and field work.
- Staff is working with consultant to final the next work authorization for wetland and subsurface hydrology evaluation, which is the next phase of data collection.

New Riverside Pilot Project (319 Phase 1 Grant): Operations & Maintenance (O&M) Phase

- Weekly water quality sampling and inspections on-going.

Pine Ridge BMP Retrofit (319 Phase 2 Grant): Conceptual Phase

- Baseline data collection ongoing.
- Request for Proposal (RFP) for retrofit project has been released and is open until January 9, 2015.
- Voluntary Pre-submittal meeting for RFP held on December 18, 2014 that was attended by representatives from nine (9) consulting firms.

Verdier Cove Drainage Basin: Operations & Maintenance (O&M) Phase

- Performed 4 stream gauge readings in Bluffton Park for the Verdier Cove monitoring.
- Staff conducts routine inspections weekly to ensure the historic flow patterns are maintained during Bluffton Park – Red Cedar construction activities.

SEWER & WATER

Buck Island-Simmons ville Sewer (Phase 3): Design Phase

- Sending condemnation letters and checks to residents who have accepted the initial offer for sewer easement compensation.
- Working with LCOG on the preapproval bid package prior to releasing for Public Notice.

Buck Island-Simmons ville Sewer (Phase 4): Design Phase

- Plans are approved and we have received all permits. We cannot advertise for bids until all easements are acquired.
- Sent out initial offer letters to residents notifying that we intend to acquire an easement.

Buck Island-Simmons ville Sewer (Phases 5-7): Design Phase

- Have received and reviewed preliminary plans.
- Meeting with some of the owners to review potential alignments for the sewer main.

Jason Street Sanitary Sewer: Design Phase

- Contract for the design work has been executed.
- Pre-design meeting has been held.
- Survey work to begin in January 2015.

Toy Fields: Design Phase

- Continue working with BJWSA representatives and residents to purchase pump site and access easement.
- Plans are being finalized.
- Projected to commence in January 2015.

PARKS

Oyster Factory Park: Design Phase

- **Dock**
 - US Fish & Wildlife approved our grant and we can advertise for bids.
 - Bid package is being finalized.
 - Projected construction date to begin after the first of year with completion late in the spring.
- **Garvin House**
 - Presented an update on the project to Council in December's meeting.
 - Proceeding with construction drawings, but maintaining maximum flexibility for final use.
 - Continuing to review options for final reuse.
- **Parking Lot**
 - Have disturbance permit.
 - Received DRC Approval.
 - Bid package is being finalized for the construction of additional parking to commence in first quarter of 2015.

PATHWAYS

General Pathways: Design Phase

- Goethe Road Sidewalk Plans are finalized.
- Continue working on easement and permission letters.

DIVISION/STAFF UPDATES

- Mattox has completed 5 of 5 Purchasing & Procurement courses, which has led to her Certificate in Purchasing through California State University.
- Jones, Wiggins, and Ritchie met at MC Riley Sports Complex to assess drainage and water quality opportunities at the basketball facility.
- Jones and Ritchie met with Palmetto Bluff representatives to discuss their water quality sampling program.
- Ritchie was interviewed by the Greater Bluffton Chamber of Commerce Leadership class.
- Ritchie met with Lesch and Stimpson to discuss Enterprise forms and checklists.
- Ritchie completed survey of the Town's Stormwater Program for an annual report issued by SESWA.
- Hutchinson, Lelie, and Ritchie met to discuss proposed Sewer Connection Ordinance.
- Lewis attended Enviroscape Workshop with local education partners.

- Lewis attended NOAA Project Design and Evaluation conference in Santee, South Carolina.
- Lewis, Baugher, and Leinbach attended the Environmental Protection Agency (EPA) Region 4 Post-Construction Workshop for South Carolina.
- Lewis and County Channel Staff have finalized three stormwater Public Service Announcements (PSAs) for broadcast. PSAs are now accessible on the Neighbors for Clean Water website and associated social media sites. Lewis and Diaz are currently working together to have PSAs voiced in Spanish.
- Lewis is drafting A Citizen's Guide to the Municipal Separate Stormwater Sewer Systems (MS4) Program.
- Baugher and Ritchie coordinated with Mill Creek community on maintenance for one of their lagoons.
- Baugher attended the Field data collection for Esri® users Webinar.
- Baugher and Lewis collected 198 nodes and conveyances for the Stormwater Model.
- Baugher performed 4 data collection readings for the Pine Ridge 319 grant project.
- Leinbach completed 130 erosion and sediment control (E&SC) inspections and prepared reports. Of the 130 inspections, 71 failed and 59 passed.
- Leinbach performed five Neighborhood Assistance Program (NAP) septic pump outs.
- Norris continues to update and revise GIS Impervious layer.
- Norris creating Stormwater Drainage Inventory Maps for the Town of Bluffton and updates of data received from Stormwater Technicians.
- Norris, Baugher, and Ritchie coordinated on drafts of the Stormwater Drainage Inventory Maps Norris is creating for the Town of Bluffton.
- Solid Waste & Recycling contractor delivered 40 new trash carts and recycling bins for the past month totaling approximately 5,967 overall.
- Public Works crew has worked on and closed out approximately 30 Work Request issues over the past month.
- Olson worked on punch list items for Town Hall and Council's Chambers.
- Contractor has completed the repairs to DuBois Park Pavilion. Currently seeking reimbursement from the insurance company.
- Wiggins and Jones continue to work with Contractor and SCE&G on the installation of the Public Safety Cameras.
- Wiggins, Jones, and Carmany set up traffic control and managed the removal and replacement of the existing Oak Tree at Tom Herbkersmans Commons.
- Took delivery of our new NiftyLift. Already used in installing Christmas decorations and tree trimming along the parade route.
- Public Works crew managed another successful Christmas Parade and Tree Lighting.
- Orlando, Kubic, Gruber, Jones, and Jarrett met to discuss the Bluffton Parkway Phase 5B State Infrastructure Bank application.
- Mayor Sulka, Orlando, Hodge, and Jones met with SCE&G representatives to discuss the upcoming 2015 tree trimming schedule and locations.

- Hutchinson and Jones attended the Planning Commission meeting in support of the proposed Sewer Connection ordinance.
- Jones presented to five (5) Junior Girl Scouts on protecting our natural resources.

Attachments:

- 1. May River Update***
- 2. SCDHEC Shellfish Monitoring Data for the May River**
- 3. Transportation Update***
- 4. May River Road Streetscape (Final Phase) Update***

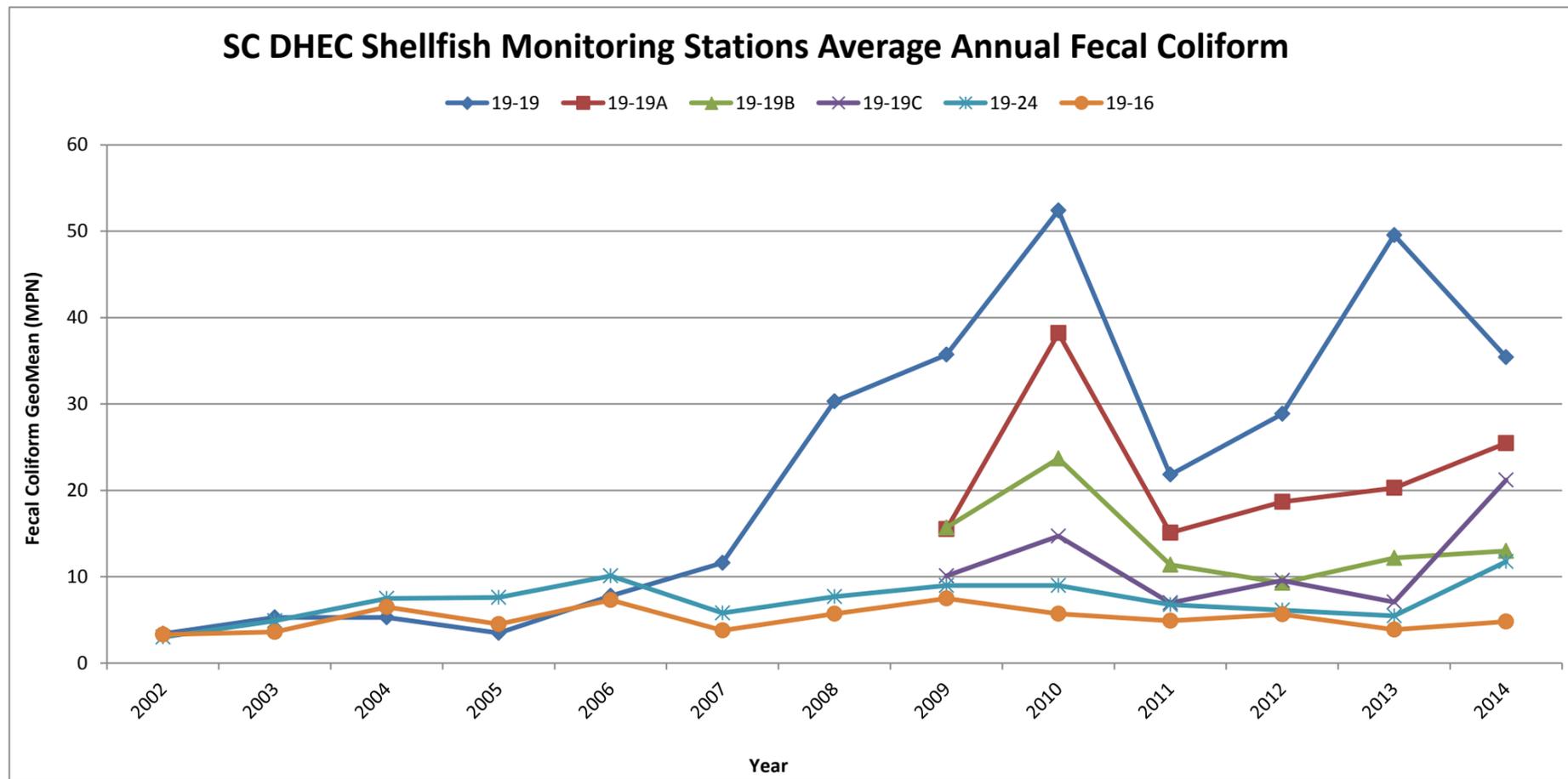
** Attachments noted above include the latest updates in bold and italic font.*

**May River Update
January 13, 2015**

ACTIVITY	STATUS
May River Retrofit Projects (Hampton Hall & Hampton Lakes)	Staff met with Hampton Hall to update project status, discuss easement acquisition, answer any questions, and discuss a path forward.
May River Watershed Model	Preliminary 2002 Palmetto Bluff Duck Pond Drainage area watershed model complete. Completed New Riverside BMP model for comparison to field observations. <i>198 additional nodes and conveyances have been field collected in the month of December.</i>
May River 319 Grant - Phase I May River Watershed Pilot Project	Weekly site visits and water quality testing ongoing.
May River 319 Grant - Phase II	Baseline data collection ongoing. Request for Proposals (RFP) for retrofit project has been released and is open to offerors. <i>Voluntary Pre-submittal meeting for RFP held on 12/18/14 that was attended by representatives from nine consulting firms.</i>
May River Watershed Action Plan Wetlands Restoration: Conceptual Phase	Adjacent and offsite survey work has been completed. Survey work is ongoing for site characteristics and topography. <i>Staff is working with consultant on work authorization for wetland and subsurface hydrology evaluation, which is the next phase of data collection.</i>
Additional Funding Opportunities	Obtained a \$200,000 appropriation from SCDHEC in support of the Town's water quality improvement projects. Staff submitted for a \$4,500 Palmetto Pride Community Pride grant in support of annual May River and Beach Sweep/River Sweep clean-up events and litter control on Town Capital Improvement Projects.

	19-19				19-19A				19-19B				19-19C				19-24				19-16			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
	Fecal Coliform (MPN)																							
December	70.0	79.0	7.8	11.0	17.0	79.0	7.8	7.8	7.8	49.0	7.8	11.0	13.0	49.0	7.8	23.0	NS	33.0	1.8	33.0	4.5	11.0	4.5	13.0
November	23.0	13.0	11.0	49.0	23.0	2.0	17.0	33.0	33.0	2.0	17.0	17.0	33.0	4.5	2.0	33.0	17.0	2.0	13.0	31.0	11.0	1.7	13.0	6.8
October	49.0	110.0	13.0	17.0	17.0	49.0	13.0	7.8	17.0	6.8	70.0	4.5	23.0	26.0	13.0	6.8	4.5	23.0	2.0	4.5	17.0	11.0	4.5	2.0
September	130.0	33.0	33.0	27.0	110.0	33.0	17.0	17.0	70.0	13.0	7.8	2.0	13.0	7.8	13	4.5	13.0	9.3	7.8	4.5	23.0	2.0	6.8	2.0
August	49.0	49.0	11.0	49.0	13.0	23.0	2.0	49.0	17.0	4.5	23	33.0	7.8	33.0	9.2	70.0	7.8	2.0	9.2	46.0	4.5	4.5	1.8	17.0
July	NS	23.0	6.8	17.0	11.0	13.0	4.5	7.8	7.8	13.0	7.8	1.8	1.8	2.0	2.0	1.8	4.5	2.0	1.7	2.0	1.8	4.5	1.7	1.8
June	13.0	NS	1600.0	NS	23.0	NS	920.0	NS	4.5	NS	1.7	NS	4.5	NS	1.7	NS	13.0	NS	11.0	NS	7.8	NS	7.8	NS
May	13.0	11.0	46.0	33.0	13.0	17.0	13.0	33.0	17.0	13.0	7.8	9.2	4.5	11.0	7.8	49.0	2.0	1.7	4.0	7.8	2.0	7.8	2.0	2.0
April	17.0	17.0	1700.0	130.0	4.0	33.0	40.0	79.0	4.5	13.0	2.0	170.0	4.5	4.0	1.7	240.0	17.0	23.0	1.7	23.0	2.0	13.0	2.0	13.0
March	4.0	49.0	79.0	23.0	33.0	33.0	49.0	33.0	4.5	33.0	17.0	11.0	1.8	23.0	22.0	13.0	4.5	AS	22.0	6.8	2.0	7.8	2.0	4.5
February	46.0	49.0	350.0	110.0	17.0	17.0	46.0	33.0	17.0	7.8	79.0	79.0	23.0	4.5	49.0	79.0	11.0	17	17.0	33.0	11.0	17	7.8	13.0
January	2.0	6.1	23.0	49.0	2.0	4.0	17.0	79.0	4.5	2.0	23.0	13.0	2.0	4.5	13.0	11.0	1.8	2.0	4.5	7.8	1.8	1.7	4.5	2.0
Additional Samples																		7.8						
Additional Samples																		6.8						
Average Annual GeoMean	21.8	28.8	49.6	35.4	15.1	18.7	20.3	25.5	11.4	9.3	12.2	13.0	7.0	9.6	7.1	21.2	6.8	6.3	5.5	11.8	4.9	5.7	3.9	4.8

NS = No Sample
AS = Additional Samples



**Transportation Update
January 13, 2015**

ACTIVITY	STATUS
US 278	Work completed.
SC 170	<i>Traffic is being rerouted to the newer section of roadway on the northern section. A new anticipated completion of late March is now anticipated.</i>
Bluffton Parkway Phase 5A	<i>Anticipated completion of the flyover is late fall of 2015.</i> Project is on time.
Buck Island/46 Intersection	Signal is fully operational. SCDOT has assessed citizen's concerns at driveways near the intersection. SCDOT will move the stop bar to the west beyond the driveway if the property owner will sign that driveway as an entrance only. A separate drive needs to be constructed between this driveway and the next closest driveway to the west (on the same parcel) to allow access for drivers to exit the western driveway.
Metropolitan Planning Organization (MPO)	US 17 funding remains a major topic of concern. <i>L RTP is nearing completion. Projects have been identified. Determination of criteria for prioritization, locations for access management and refinements/edits to the list of projects are ongoing.</i>

**Transportation Update
January 13, 2015**

ACTIVITY	STATUS
Transportation Model	<p>Updates to the model were discussed between LCOG, the consultants, Beaufort County staff and Bluffton staff on scenarios for growth, etc. SCDOT has determined that the additional work on the model will have to be bid under a new contract. Additional work on the model will have to wait until this procurement has occurred.</p>
Masters Way/Crossings Intersection	<p>While measures undertaken by the County on the intersection and by the Town on the roadway and speed posting, future development in the area may influence a final outcome for traffic control at this intersection. Traffic Engineering in Beaufort County has indicated a signal may be acceptable with warrants.</p>
Davis Road	<p>The school district has designed a parallel road to Davis Road from about Kent Estates to Hampton Parkway to serve the school. Staff continues working with National HealthCare Corporation on potential improvements for Davis Road or portions thereof. <i>Resident complaints regarding condition of road are being received. Staff is working with contractor, utilities and school to maintain a reasonable road surface.</i></p>
Bluffton Parkway Phase 5B	<p>Revisions are in final stages on draft State Infrastructure Bank application. <i>Development of final application is underway. A meeting with County staff was helpful in identifying additional measures to enhance the application. These measures are being completed and survey if ROW is being finalized.</i></p>



MEMORANDUM

TO: Mayor Sulka and Members of Town Council
FROM: Karen Jarrett, Transportation Project Manager
RE: May River Road Streetscape (Final Phase) Update
DATE: January 13, 2015

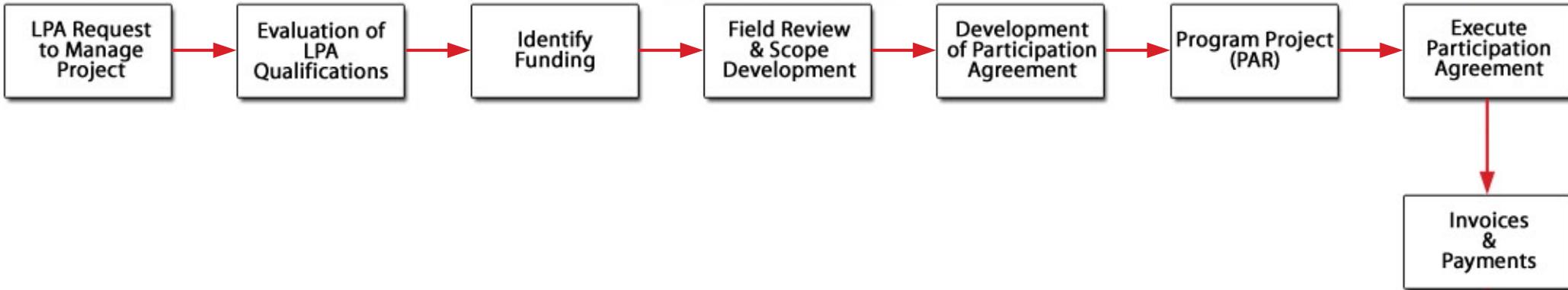
Based on Council's input last month, staff met with the consultant and requested a Scope of Services for a Conceptual Plan for streetscape. Staff is awaiting the scope and associated change order.

Attachments:

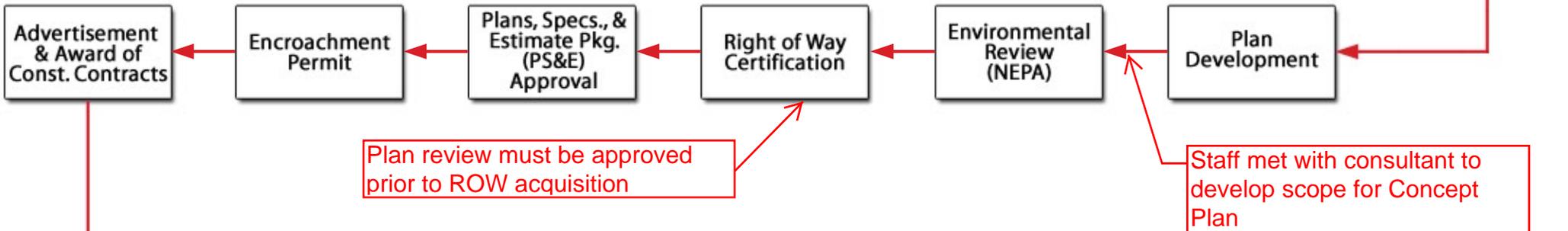
Local Public Agency Process Flowchart with Current Step Identification

Local Public Agency Process

PROGRAM PHASE



DEVELOPMENT PHASE



CONSTRUCTION PHASE



CLOSE OUT PHASE

