







Big Cypress Basin Field Station

Henderson Creek Structure 2

Control room for Cocohatchee
Structure 1

Golden Gate Structure 3 (GG3)

Big Cypress Basin

Field Station Proposed 5 Year Fleet Plan

Juan Bethencourt Superintendent October 24, 2019



DISTRICT'S REPLACEMENT CRITERIA

Before a vehicle or piece of equipment is considered for replacement, it must meet two of the three replacement criteria:

- Age
- Miles/Hours
 - ➤ Gasoline Engine Vehicles (Sedans, SUV's, Trucks) 12 years/180,000 miles.
 - ➤ Diesel Engine Vehicles (Heavy Equipment, Trucks) 15 years/180,000 miles.
- Maintenance cost per Hour (MCPH) or Maintenance cost per Mile (MCPM)
 - MCPM & MCPH is calculated by dividing Total Maintenance Cost by Total Miles or Hours (depreciation cost is not included).



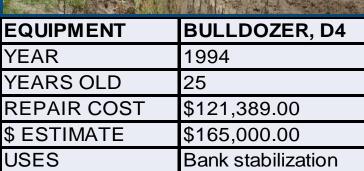
EQUIPMENT	TRUCK, 18CY, DUMP, TRI AXLE
YEAR	1998
YEARS OLD	21
REPAIR COST	\$77,467.00
\$ ESTIMATE	\$169,000.00
USES	Transporting materials



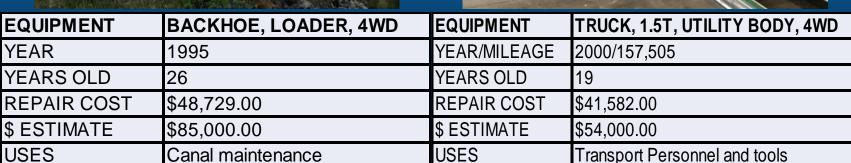
EQUIPMENT	EXCAVATOR, TRACK HOE, LONG ARM					
YEAR	2003					
YEARS OLD	16					
REPAIR COST	\$277,028.00					
\$ ESTIMATE	\$290,000.00					
USES	Canal maintenance, vegetation/debris removal					















建筑的发现金在1000000000000000000000000000000000000	
EQUIPMENT	TRUCK, 14CY, DUMP, TRI AXLE
YEAR	2002
YEARS OLD	17
REPAIR COST	\$45,335.00
\$ ESTIMATE	\$70,000.00
USES	Transporting Materials



EQUIPMENT	MENZI MUCK M545X
YEAR	NEW
YEARS OLD	
REPAIR COST	
\$ ESTIMATE	\$210,000.00
USES	Aquatic vegetation/debris removal





EQUIPMENT	TRUCK, 18CY, DUMP, TRI AXLE			
YEAR	1998			
YEARS OLD	21			
REPAIR COST	\$77,467.00			
\$ ESTIMATE	\$169,000.00			
USES	Transporting materials			



EQUIPMENT	GRADALL, EXCAVATOR, TRACKS				
YEAR	2003				
YEARS OLD	16				
REPAIR COST	\$121,980.83				
\$ ESTIMATE	\$220,000.00				
USES	Access and rights of way clearing				





EQUIPMENT	TOWBOAT, AQUATIC WEED HARVESTER
YEAR	2012
YEARS OLD	7
REPAIR COST	\$55,795.00
\$ ESTIMATE	\$200,000.00
USES	Aquatic harvesting, debris clean up



EQUIPMENT	22 FT PONTOON BOAT, TRAILER & MOTOR
YEAR	2004
YEARS OLD	15
REPAIR COST	\$19,636.50
\$ ESTIMATE	\$28,500.00
USES	Canal inspections, canal clean-ups, and special projects





EQUIPMENT	TRUCK 1/2 T PICKUP CC 4WD
YEAR	2017
YEARS OLD	8
REPAIR COST	\$2,509.00
\$ ESTIMATE	\$42,000.00
USES	Transport personnel, site monitoring and inspections



EQUIPMENT	LOADER EXCAVATOR CATERPILLAR 336				
YEAR	NEW				
YEARS OLD					
REPAIR COST					
\$ ESTIMATE	\$210,000.00				
USES	Shoaling, bank stabilization				



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROPOSED 5-YEAR FLEET PLAN

DESCRIPTION	ACQUISITION YEAR	2020	2021	2022	2023	2024	2025
BULLDOZER, D4	1994		\$165,000.00				
BACKHOE, LOADER, 4WD	1995		\$85,000.00				
TRUCK, 18CY, DUMP, TRI AXLE	1998	\$169,000.00					
TRUCK, 1.5T, UTILITY BODY, 4WD	2000		\$54,000.00				
EXCAVATOR, TRACK HOE, LONG ARM	2001	\$290,000.00					
TRUCK, 14CY, DUMP, 2WD	2002			\$70,000.00			
GRADALL, EXCAVATOR, TRACKS	2003				\$ 220,000.00		
BOAT, 22 FT, PONTOON	2004					\$16,000.00	
TRAILER, BOAT, TANDEM AXLE	2004					\$ 4,500.00	
MOTOR, OUTBOARD, 50HP	2006					\$8,000.00	
TOWBOAT, AQUATIC WEED HARVESTER	2012					\$200,000.00	
TRUCK, 1/2T, PICKUP, CC, 4WD	2017						\$42,000.00
MENZI MUCK M545X	NEW			\$210,000.00			
TRUCK, 18CY, DUMP, TRI AXLE	NEW				\$ 175,000.00		
EXCAVATOR CATERPILLAR 336	NEW						\$285,000.00
		\$ 459,000.00	\$304,000.00	\$280,000.00	\$395,000.00	\$228,500.00	\$327,000.00



SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Questions

