GALVESTON DISTRICT Dredging Schedules

VOLLERT

Tricia C. Campbell, P.E. Operations Manager Navigation Branch - Galveston District November 15, 2016

Galveston District – Dredging Meeting Custodians of the Texas Coast



US Army Corps of Engineers BUILDING STRONG_®



GALVESTON DISTRICT FACTS

- Texas #2 in Nation in Maritime Commerce
 Texas Ports moved 538M+ tons at \$320B in 2014
- ✓ Galveston District Ports National Rank

(2)

(4)

(6)

(15)

(20) (32)

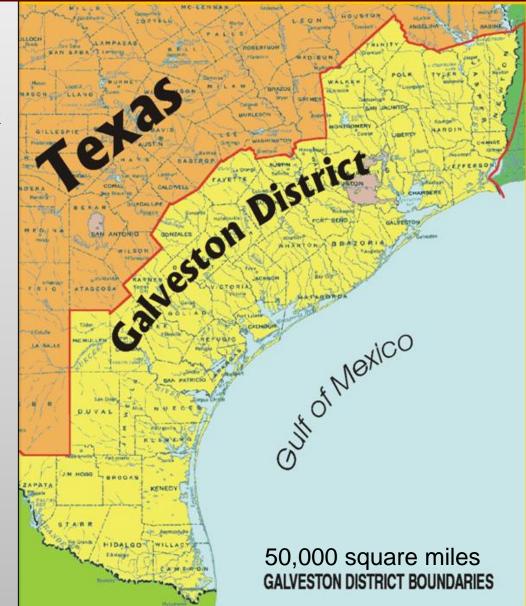
(48)

(52)

(67)

(70)

- ✓ Houston✓ Beaumont
- ✓ Corpus Christi
- ✓ Toyos City
- ✓ Texas City
- ✓ Port Arthur
- ✓ Freeport
- ✓ Matagorda
- ✓ Galveston
- ✓ Brownsville
- ✓ Victoria
- ✓ Gulf Intracoastal Waterway (3)
- ✓ GIWW-TX 73M+ tons at \$43B in 2014
- ✓ 21.3% Nation's Import/Export/Domestic Tonnage
- ✓ 24.8% of Nation's Total Export tonnage
- ✓ 27.5% of Nation's Total Import tonnage





FY-16 Execution President's Budget

FY-16 Allocation Carry-in Available to Obligate

Obligated Percent Execution

FY-17 Funding Outlook President's Budget Carry-in Total Anticipated

\$110,404,000

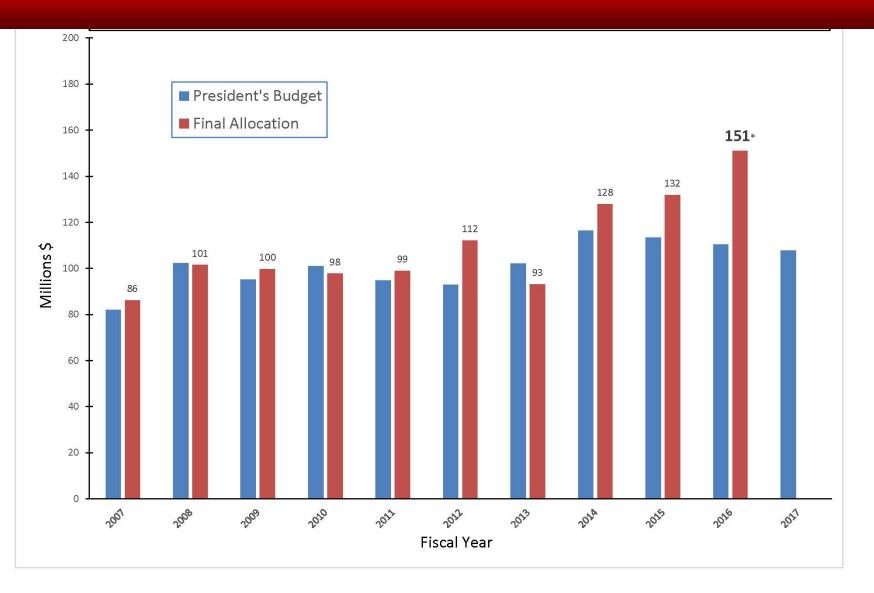
\$151,869,000 <u>\$21,837,000</u> \$173,706,000

~\$161,000,000 ~93%

\$107,815,000 \$13,727,000 \$121,542,000

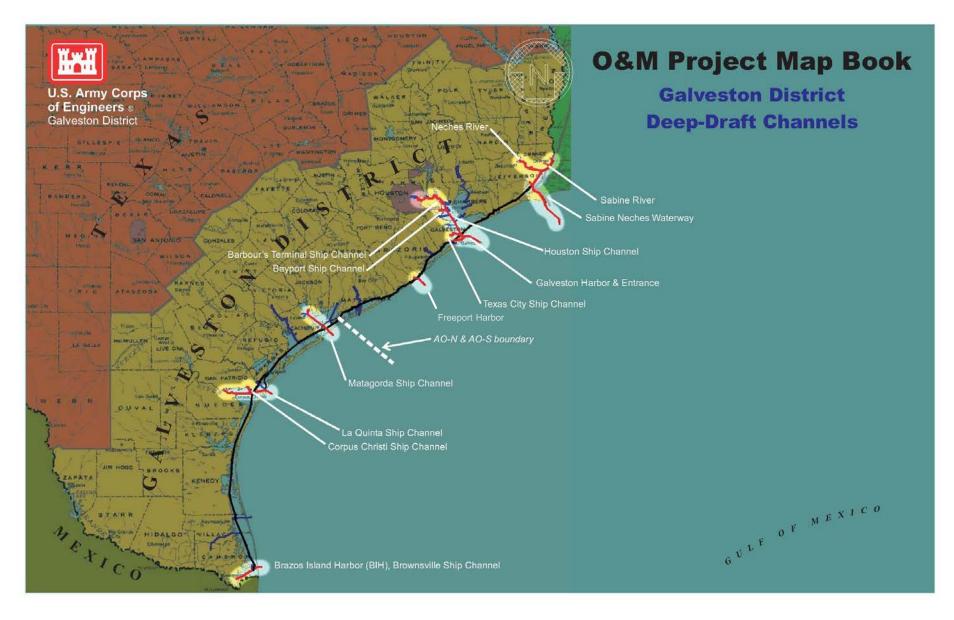


GALVESTON NAVIGATION OM FUNDING





FY17 CONTRACT SCHEDULES SABINE-NECHES WATERWAY





SABINE-NECHES WATERWAY NECHES RIVER

				Project:
27B 27A	法律分			Dredging D
	Orange Co.	The Mult - Bulk		Dredging V
	a state and			Dredging I
Beatmat	1 MA			Dredging (
				Material Ty
Title 1				Placement
	(2) 2 13			Distance to Area:
	Port Neches			Type of Ec
	Carl An	P 15A 15		Env. Windo
		SRIAM AND		Reason for
			3	Est. Start D
Nederland	Port Arthur	Citra (12	Jack Contract	Est. Compl

Project:	Sabine-Nec <mark>hes</mark> Waterway Neches River
Dredging Depth:	42 ft. Required Depth
Dredging Width:	~200 ft
Dredging Length:	Varies
Dredging Quantity:	600,000 cubic yards
Material Type:	Silt
Placement Area:	Various Upland PAs
Distance to Placement Area:	1-2 Miles
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	April 2017
Est. Completion Date:	August 2017



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SABINE-NECHES WATERWAY PA-11 SHORELINE STABILIZATION

Project:



	Tojecti	PA-11 Shoreline Stabilization
	Dredging Depth:	NA
A	Dredging Width:	NA
	Dredging Length:	NA
	Dredging Quantity:	NA
h.	Material Type:	Silt
0	Placement Area:	PA-11
	Distance to Placement Area:	NA
	Type of Equipment:	Dragline/Earthmoving equipment
	Env. Window:	NA
	Reason for Window:	NA
	Est. Start Date:	September 2017
	Est. Completion Date:	March 2018
stodia	ons of the Texas Coast	

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Sabine-Neches Waterway



FY17 CONTRACT SCHEDULES GALVESTON-TEXAS CITY-HOUSTON





HOUSTON SHIP CHANNEL SIMS BAYOU TO TURNING BASIN

Burralo Bayou / Light-Draft-Ghannar	Project:	Houston Ship Channel Sims Bayou to Turning Basin
	Dredging Depth:	39.5 ft. Required Depth
	Dredging Width:	250 - 300 ft.
	Dredging Length:	3 miles
	Dredging Quantity:	500,000 cubic yards
	Material Type:	Silt
Brady Island	Placement Area:	West Clinton
Sins Bayou	Distance to Place Area:	3 – 5 Miles
Houston	Type of Equipment:	Pipeline Dredge
RosaAllen	Env. Window:	NA
	Reason for Window:	NA
	Est. Start Date:	February 2017
	Est. Completion Date:	November 2017



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TEXAS CITY CHANNEL MAIN CHANNEL AND TURNING BASIN



	Project:	Texas City Channel Main Channel and Turning Basin
	Dredging Depth:	48 ft. Required Depth
2	Dredging Width:	400 - 1200 ft.
1.4	Dredging Length:	6 Miles
	Dredging Quantity:	1,400,000 cubic yards
-	Material Type:	Silt/Sand
8	Placement Areas:	SPPA 3, 4, 5
	Distance to Place Area:	3 Mile Average
	Type of Equipment:	Pipeline
	Env. Window:	NA
	Reason for Window:	NA
Z	Est. Start Date:	March 2017
	Est. Completion Date:	September 2017



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GALVESTON ENTRANCE CHANNEL AND HSC - BOLIVAR ROADS TO REDFISH

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				-
A A	3 68	· BUS		\sim \sim

Project:	Galveston Harbor - Galveston Entrance Channel and Houston Ship Channel - Bolivar Roads to Redfish
Dredging Depth:	48-50 ft. Required Depth
Dredging Width:	530 – 1,000 ft.
Dredging Length:	17 miles
Dredging Quantity:	2,500,000 cubic yards
Material Type:	Sand / Silt
Placement Area:	Offshore
Distance to Place Area:	1 - 15 Mile
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	March 2017
Est. Completion Date:	September 2017



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HOUSTON SHIP CHANNEL LOST LAKE PA DEWATERING

	Project:	Houston Ship Channel Lost Lake PA Dewatering
Lost Lake Dewatering	Type of Work:	Dewatering
	Dredging Width:	NA
Lost Lake	Dredging Length:	NA
	Dredging Quantity:	NA
Green's	Material Type:	Silt/Clay
Bayou PA	Placement Area:	NA
Goat Island	Distance to Place Area:	NA
Peggy Lake	Type of Equipment:	Marsh Buggy/ Excavation Equipment
	Env. Window:	NA
Jones Alexander	Reason for Window:	NA
	Est Start Date:	April 2017
	Est. Completion Date:	December 2017



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HOUSTON SHIP CHANNEL PEGGY LAKE PA DEWATERING

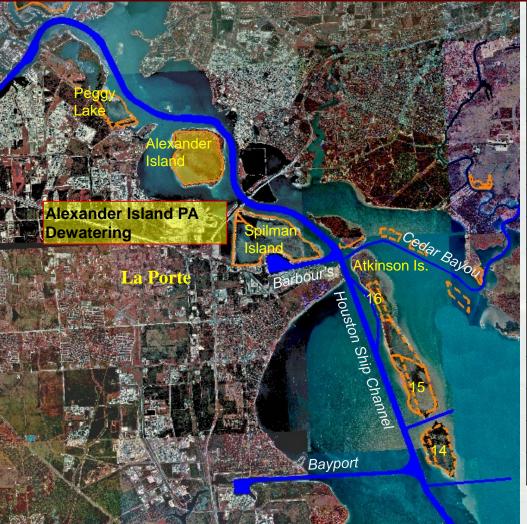
	Project:	Houston Ship Channel Peggy Lake PA Dewatering
	Type of Work:	Dewatering
	Dredging Width:	NA
Lost Lake	Dredging Length:	NA
	Dredging Quantity:	NA
Green's	Material Type:	Silt/Clay
Bayou PA	Placement Area:	NA
Goat Island	Distance to Place Area:	NA
Peggy Lake Dewatering Peggy Lake	Type of Equipment:	Marsh Buggy/ Excavation Equipment
	Env. Window:	NA
Jones Houston Houston Alexander	Reason for Window:	NA
	Est. Start Date:	June 2017
	Est. Completion Date:	October 2017



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HOUSTON SHIP CHANNEL ALEXANDER ISLAND PA DEWATERING



Project:	Houston Ship Channel Alexander Island Dewatering
Type of Work:	Dewatering
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Alexander Island PA
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/ Excavation Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start:	November 2017
Est. Completion:	July 2018



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HOUSTON SHIP CHANNEL – SPILMAN ISLAND PA CONTAINMENT DIKE RAISE



Project:	Houston Ship Channel Spilman Island PA Containment Dike Raise
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Spilman Island
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 2017
Est. Completion Date:	September 2018



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HOUSTON SHIP CHANNEL MID BAY PLACEMENT AREA DEWATERING



Project:	Houston Ship Channel Mid Bay PA Dewatering
Type of Work:	Dewatering
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Mid Bay
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/ Excavation Equipment
Env. Window:	August 31-March 1 (open)
Reason for Window:	Migratory Birds
Est. Start Date:	September 2017
Est. Completion Date:	March 2018



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HOUSTON SHIP CHANNEL – HOUSE TRACT AND CLINTON PA CONTAINMENT DIKE RAISE

Filton Bed Tracts	Project:	Houston Ship Channel House Tract & Clinton Containment Dike Raise
Green's Green's Baybayou PA	Type of Work:	Dike Raising
	Dredging Width:	NA
	Dredging Length:	NA
	Dredging Quantity:	NA
	Material Type:	Silt/Clay
	Placement Area:	House Tract & Clinton
Houston Shire	Distance to Place Area:	NA
Sims Bayou	Type of Equipment:	Dragline/Earthmoving Equipment
Rosa-Allen	Env. Window:	NA
PAC	Reason for Window:	NA
TIOUSION AND A THE AND A T	Estimated Start Date:	October 2017
	Est. Completion Date:	October 2018



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FY17 CONTRACT SCHEDULES FREEPORT HARBOR





FREEPORT HARBOR & MATAGORDA ENTRANCE CHANNELS

	Project:	Freeport Harbor & Matagorda Entrance Channels
	Dredging Depth:	48 & 42 ft. Required Depth
	Dredging Width:	Varies
, xic	Dredging Length:	Varies
Gulf of Mexic	Dredging Quantity:	3,000,000 cubic yards
Gull	Material Type:	Sand/Silt
ancahua	Placement Area:	Offshore
21,20 195,	Distance to Place Area:	2.5 Mile Avg.
Charlos 14 1211 Matagorda Bay	Type of Equipment:	Hopper
10 ginni and	Env. Window:	NA
Powderhown % 876 GW Loutral	Reason for Window:	NA
Lake 5 3 there is a large start of a start o	Est. Start Date:	July 2017
Lake Sundal and Sundal Gulf of Mexi	Est. Completion Date:	December 2017
Gui Gui	The second second	H.w.H

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FREEPORT HARBOR PA-1 CONTAINMENT DIKE RAISE

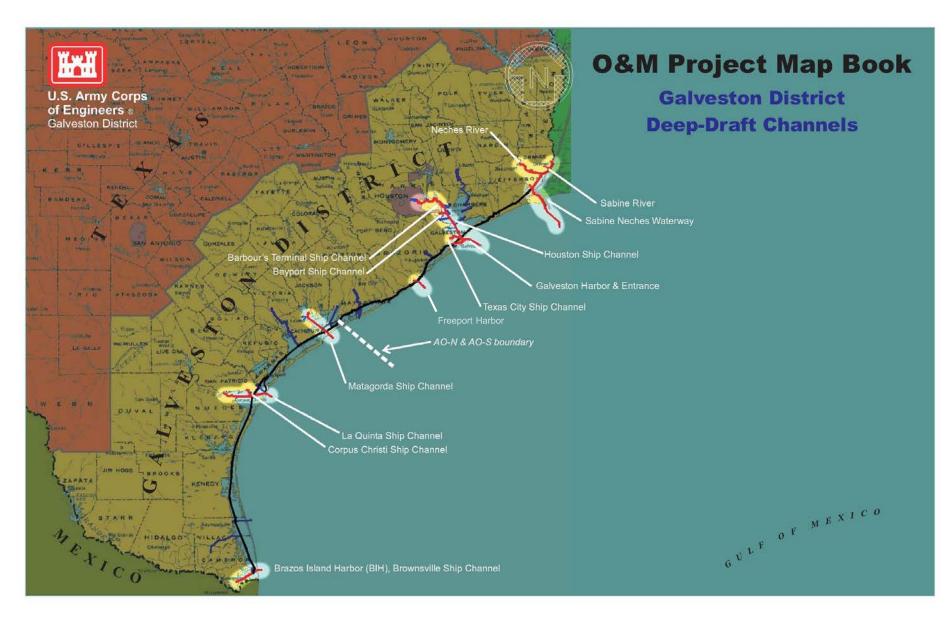


Project:	Freeport Harbor PA-1 Containment Dike Raise
Dredging Depth:	NA
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Sand/Silt
Placement Area:	PA-1
Distance to Place Area:	NA
Dragline/Earthmoving equipment	Dragline/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	January 2017
Est. Completion Date:	July 2017



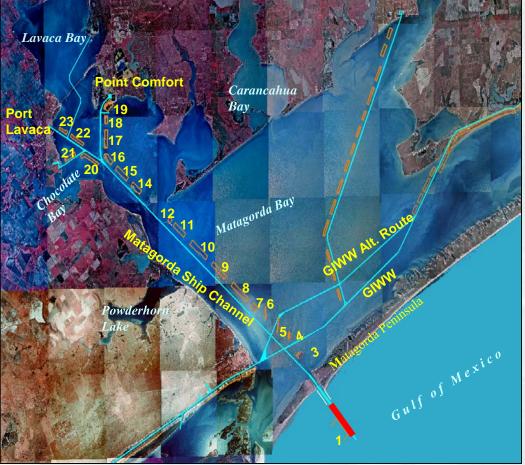
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FY17 CONTRACT SCHEDULES MATAGORDA SHIP CHANNEL





RAPID RESPONSE MATAGORDA ENTRANCE CHANNEL



Project:	Rapid Response Matagorda Entrance Channel
Dredging Depth:	42 ft. Required Depth
Dredging Width:	Varies
Dredging Length:	Varies
Dredging Quantity:	300,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Offshore
Distance to Place Area:	2 Mile Avg.
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	December 2016
Est. Completion Date:	December 2016



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FY17 CONTRACT SCHEDULES CORPUS CHRISTI SHIP CHANNEL





CORPUS CHRISTI SHIP CHANNEL PA 13 CONTAINMENT DIKE RAISE

	Aransa Pass	s
Raise Nueces Bay	Ingles	Port
Corpus Christi	Corpus Corpus Christi Bay	Aransas
	GIM	15 of
		Gulf of Mexico

Project:	Corpus Christi Ship Channel PA 13 Containment Dike Raise
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	PA 13
Distance to Placement Area:	NA
Type of Equipment:	Dragline/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	June 2017
Est. Completion Date:	June 2018

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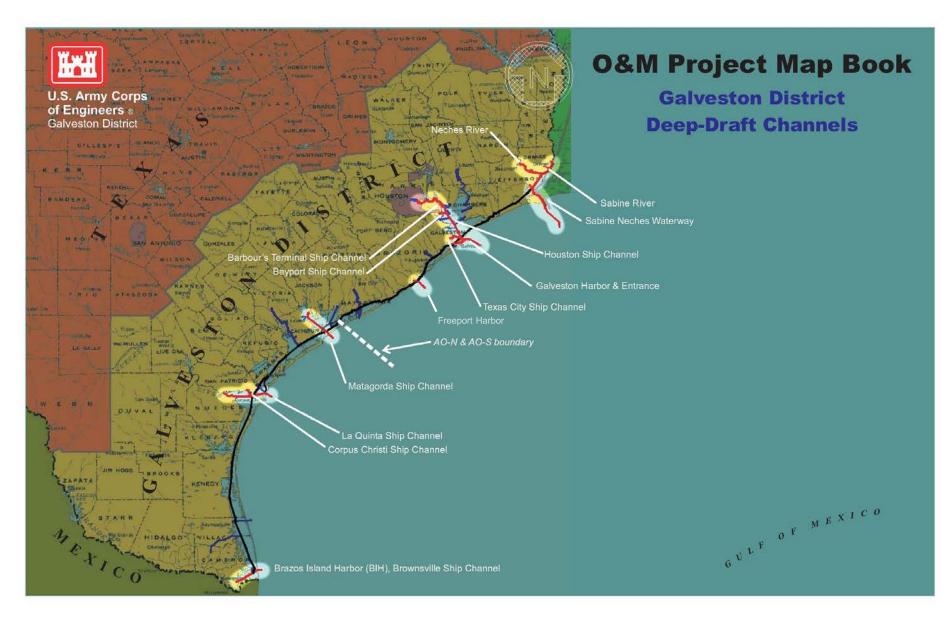
CORPUS CHRISTI SHIP CHANNEL PA 10 & 3 CONTAINMENT DIKE RAISE

PA 3	Aransas Pass
Nueces Bay	Ingleside Port
Corpus Christi	Corpus Christ Ship Channel Corpus PA 10 Christi Bay
	Gulf of Mexico

Project:	Corpus Christi Ship Channel PA 10 & 3 Containment Dike Raise
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	PA 3 & PA10
Distance to Placement Area:	NA
Type of Equipment:	Dragline/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 2017
Est. Completion Date:	March 2018

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FY17 CONTRACT SCHEDULES BRAZOS ISLAND HARBOR





BRAZOS ISLAND HARBOR JETTY CHANNEL



	Project:	Brazos Island Harbor Brownsville Jetty Channel
ב	Dredging Depth:	44 ft. Required Depth
	Dredging Width:	300 - 400 ft.
	Dredging Length:	Varies
	Dredging Quantity:	500,000 cubic yards
	Material Type:	Sand
	Placement Area:	Beach / BU
	Distance to Place Area:	1-5 Miles Avg.
	Type of Equipment:	Hopper / Pipeline
	Env. Window:	1 Oct - 14 Mar (open)
	Reason for Window:	Turtle Nesting / Tourism
	Est. Start Date:	October 2017
	Est. Completion Date:	January 2018



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FY17 CONTRACT SCHEDULES GULF INTRACOASTAL WATERWAY





GULF INTRACOASTAL WATERWAY FACILITY ELECTRICAL REPAIRS

		Project:	Gulf Intracoastal Waterway CRL and BRFG Electrical Repairs
	O&M Project Map Book	Dredging Depth:	NA
U.S. Army Corps water of Engineers : of Engineers : Galveston District	Galveston District Deep-Draft Channels	Dredging Width:	NA
A & A & A & A & A & A & A & A & A & A &	Sabing River	Dredging Length:	NA
A CONTRACTOR DE LA CONT	Soline Nectes Waterway	Dredging Quantity:	NA
Bhyport Ship Channel	Balveston Harbor & Entrance	Material Type:	NA
Colorado River Loci	ks	Placement Area:	NA
Matagorde Ship Channel La Quinta Ship Channel Corpus Christi Ship Channel		Distance to Placement Area:	NA
	GU ^{EF} OF ^{MEXICO}	Type of Equipment:	Electrical
Brazos Island Herbor (BIH), Brownsville Ship Channel	6 ¢ L r	Env. Window:	NA
		Reason for Window:	NA
		Est. Start Date:	March 2017



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Est. Completion Date:

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September 2017



GULF INTRACOASTAL WATERWAY TURNSTAKE TO LIVE OAK

	Project:	Gulf Intracoastal Waterway Turnstake to Live Oak
	Dredging Depth:	16 ft. Required Depth
Beneficial Use	Dredging Width:	125 ft.
Site 'A'	Dredging Length:	Varies
	Dredging Quantity:	600,000 cubic yards
	Material Type:	Fine Silt/Sand
vio Bas	Placement Area:	Open/BU Sites
22 12 San Antonio Bay	Distance to Placement Area:	1 Mile Avg.
	Type of Equipment:	Pipeline
	Env. Window:	Apr 15 – Oct 15 (Open)
The second	Reason for Window:	Whooping Cranes
AND REAL AND	Est. Start Date:	June 2017
Mexico	Est. Completion Date:	October 2017
Beneficial Use Site 'B'		

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GULF INTRACOASTAL WATERWAY SCOUR HOLE REPAIRS

	A second and a sec	
Brazos Ri	ver Floodgates	
Al Line of Contraction		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	Co Mar	
ALC: NO	Colorado River Loc	
Galveston Dis	strict - Dredaina Meetina	- Custo

Ga	veston	District –	g Meeting	-

1	Project:	Gulf Intracoastal Waterway Scour Hole Repairs BRFG & CRL
	Dredging Depth:	NA
	Dredging Width:	NA
	Dredging Length:	Varies
	Dredging Quantity:	NA
	Material Type:	Rock
	Placement Area:	Within Channel
	Distance to Placement Area:	NA
	Type of Equipment:	Crane Barge
	Env. Window:	N/A
	Reason for Window:	N/A
	Est. Start Date:	June 2017
	Est. Completion Date:	November 2017



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GULF INTRACOASTAL WATERWAY PA 86 & 87 CONTAINMENT DIKE RAISE

Brazos Harberge Turung Baskuren Bask an Chennel	Gulf of	respondent of the second secon
88	Gulf of	M e x i C c d 1-A Buffer Zone

Project:	Gulf Intracoastal Waterway PA 86 & 87 Containment Dike Raise
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	PA 86 & 87
Distance to Place Area:	NA
Type of Equipment:	Dragline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	July 2017
Est. Completion Date:	February 2018



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GULF INTRACOASTAL WATERWAY HIGH ISLAND TO ROLLOVER PASS & BOLIVAR FLARE



Project:	Gulf Intracoastal Waterway High Island to Rollover & Bolivar Flare
Dredging Depth:	15 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	800,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Upland, Semi-Confined & Beneficial-Use
Distance to Placement Area:	2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	N/A
Reason for Window:	N/A
Est. Start Date:	October 2017
Est. Completion Date:	February 2018

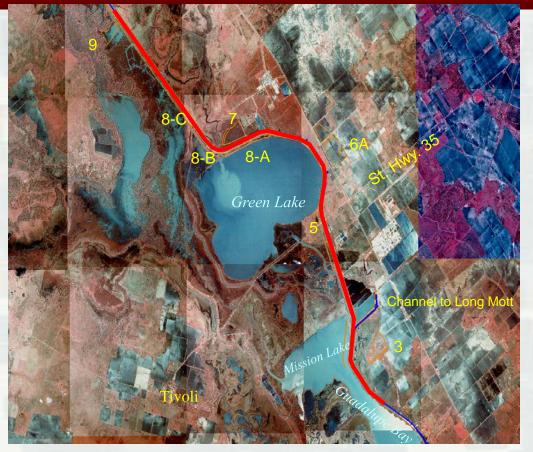


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CHANNEL TO VICTORIA MIDDLE REACH PA IMPROVEMENTS



Project:	Channel to Victoria Middle Reach PA Improvements
Type of Work:	Improvements
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	NA
Distance to Place Area:	NA
Type of Equipment:	Earthwork Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	July 2017
Est. Completion Date:	January 2018



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CHANNEL TO HARLINGEN

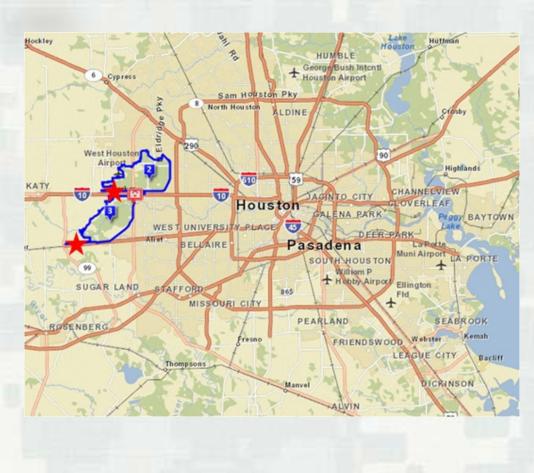


Project:	Channel to Harlingen
Dredging Depth:	13 ft. Required Depth
Dredging Width:	Varies
Dredging Length:	Varies
Dredging Quantity:	600,000
Material Type:	Fine Silt/Sand
Placement Area:	PAs 2-3, 8, 23
Distance to Placement Area:	2 Miles Avg.
Type of Equipment:	Pipeline Dredge
Env. Window:	N/A
Reason for Window:	N/A
Est. Start Date:	October 2017
Est. Completion Date:	January 2018



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BUFFALO BAYOU Roller Compacted Concrete Spillway Repairs



Project:	Buffalo Bayou-Addicks and Barker Dam, Roller Compacted Concrete Spillway Repairs
Dredging Depth:	N/A
Dredging Width:	N/A
Dredging Length:	N/A
Dredging Quantity:	N/A
Material Type:	N/A
Placement Area:	N/A
Distance to Placement Area:	N/A
Type of Equipment:	Concrete Repair
Env. Window:	N/A
Reason for Window:	N/A
Est. Start Date:	August 2017
Est. Completion Date:	February 2018



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GALVESTON DISTRICT NAVIGATION

Questions/Comments?

http://www.swg.usace.army.mil/Missions/Navigation.aspx



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