FY-16 Scheduled Contracts FY-17 Planned Contracts

VOLLERT

Christopher Frabotta

Deputy Chief, Operations Division / Chief, Navigation Branch Southwestern Division - Galveston District November 19, 2015

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 2013
- ✓ Galveston District Ports National Rank

(2)

(4)

(7)

(13)

(18)

(32)

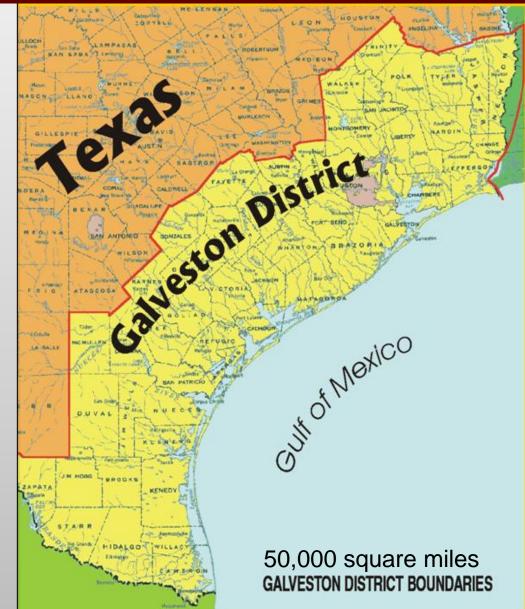
(49)

(51)

(73)

(74)

- ✓ Houston✓ Beaumont
- ✓ Corpus Christi
- ✓ Texas City
- ✓ Port Arthur
- ✓ Freeport
- ✓ Galveston
- ✓ Matagorda
- ✓ Brownsville
- ✓ Victoria
- ✓ Gulf Intracoastal Waterway (3)
- ✓ GIWW-TX 73M+ tons at \$43B in 2013
- ✓ 21.8% Nation's Import/Export/Domestic Tonnage
- ✓ 23.9% of Nation's Total Export tonnage
- ✓ 29.6% of Nation's Total Import tonnage





FY-15 Execution

President's Budget FY-15 Allocation Carry-in Available to Obligate

Obligated

Percent Execution

FY-16 Funding Outlook President's Budget Carry-in Total Anticipated

\$113,351,000 \$131,892,000 <u>\$15,739,000</u> \$147,632,000

\$126,068,000

85.4%

\$110,404,000 \$21,564,000 \$131,968,000





FY-16 INITIATIVES

- Continue Hydrographic Survey Webpage
 - All six (6) Deep Draft Nav. Complexes now online
 - Gulf Intracoastal Waterway this year
- Implement of Vertical Datum Conversion
- Sabine-Neches Waterway Set-Back Policy
- Restore TCOON Functionality to 30 Stations
 - Bring new Sentinel Stations online
- Re-Space & Deploy new GIWW Mooring Buoys





HOME > MISSIONS > NAVIGATION > HYDROGRAPHICSURVEYS

Hydrographic Surveys Brief



MISSION STATEMENT

The U.S. Army Corps of Engineers' navigation mission is to provide safe, reliable, efficient and environmentally sustainable waterborne transportation systems (channels, harbors, and waterways) for movement of commerce, national security needs, and recreation.

The Mission of the Galveston District Navigation Branch is to manage federal navigation projects along the Texas coastal region.

SURVEY MAPS

The products are reproduced from geospatial information prepared by the U.S. Army Corps of Engineers. GIS data and product accuracy may vary. Data may be: developed from sources of differing accuracy, accurate only at certain scales, based on modeling or interpretation, incomplete while being created or revised, etc. Using GIS products for purposes other than those for which they were created may yield inaccurate or misleading results. The Corps of Engineers reserves the right to correct, update, modify, or replace GIS products without notification.

The information depicted on the survey maps represent the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325

Hydrographic Surveys

Sabine Neches Waterway

Galveston - Texas City -Houston

Freeport Harbor

Matagorda Ship Channel

Corpus Christi

Brazos Island Harbor

Port Isabel Channel

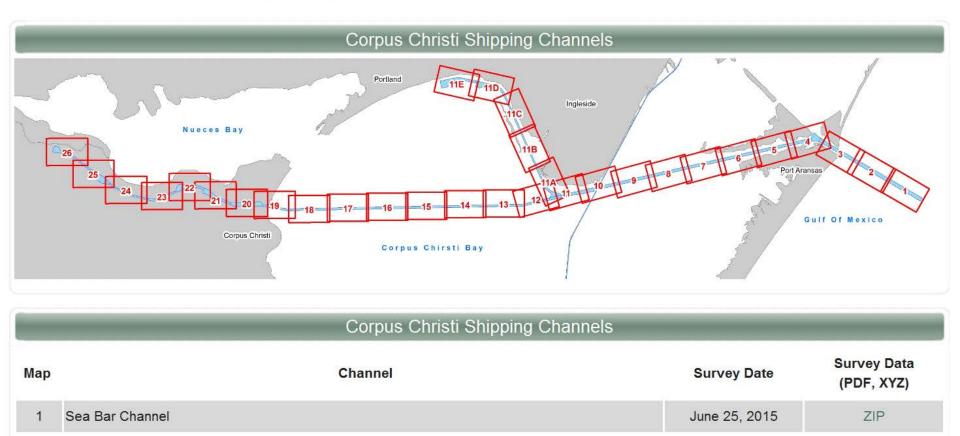
Corps Connections

Dredging/Marine Construction

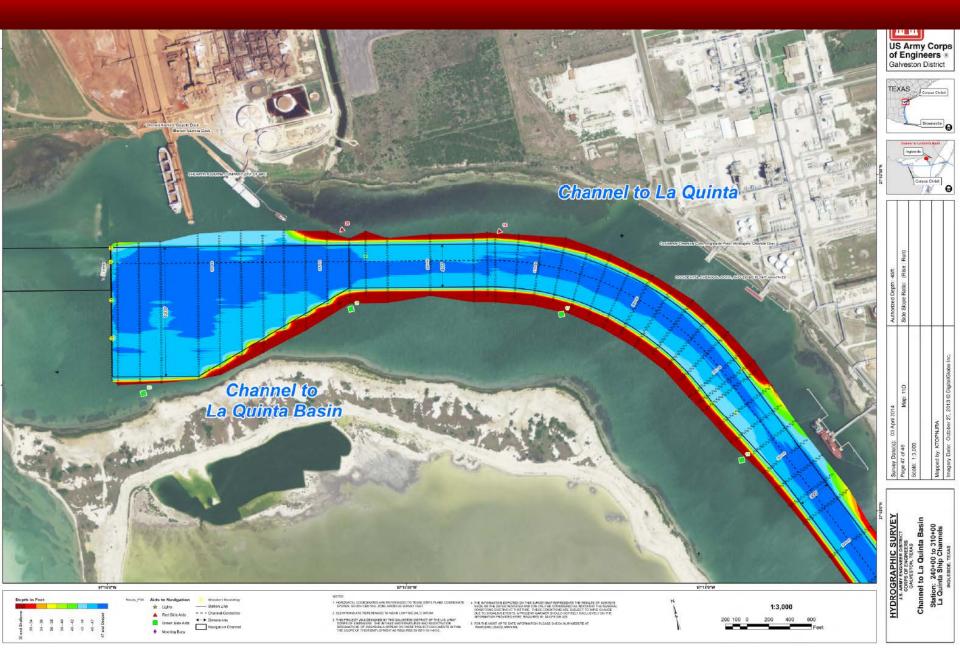
Beneficial Use of Dredge Material



HOME > MISSIONS > NAVIGATION > HYDROGRAPHICSURVEYS > CORPUS CHRISTI



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🚺 Downloads	LA_02_LTB_20140402.xyz	XYZ File	104 KB	No	493 k	B 79%	10/17/2014 12:17 PM		
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Network									





DEEP DRAFT FY16 CONTRACT SCHEDULES





SABINE-NECHES WATERWAY PORT ARTHUR CANAL, TURNING BASIN, JUNCTION AREA AND TAYLORS BAYOU



Project:	Sabine-Neches Waterway Port Arthur Canal, Turning Basin, Junction Area and Taylors Bayou
Dredging Depth:	42 ft. Required Depth
Dredging Width:	400 - 1200 ft.
Dredging Length:	Varies
Dredging Quantity:	3,000,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	PA 8 and PA 9
Distance to Place Area:	1.5 - 2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Est. Start Date	August 15, 2016
Est. Completion Date	January 18, 2017



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SABINE-NECHES WATERWAY OUTER BAR AND BANK CHANNEL



Project:	Sabine Neches Waterway Outer Bar and Bank Channel	
Dredging Depth:	44 ft. Required Depth	
Dredging Width:	800 ft.	
Dredging Length:	Varies	
Dredging Quantity:	2,500,000 cubic yards	
Material Type:	Silt/Clay	
Placement Area:	Offshore	
Distance to Placement Area:	3 Mile Avg.	
Type of Equipment:	Hopper	
Env. Window	NA	
Est. Start Date	July 6, 2016	
Est. Completion Date	April 2, 2017	



Galveston District – Dredging Meeting - Custodians of the Texas Coast



DEEP DRAFT FY16 CONTRACT SCHEDULES





GALVESTON HARBOR

	Pr
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Galveston Bay	Dr
	Dr
Pelican Island	M
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Calveston Cultof Mexico	Re
Gunerit Gunerit	Es
	Es

Project:	Galveston Inner Harbor
Dredging Depth:	41 - 46 ft. Required Depth
Dredging Width:	1000 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Silt
Placement Area:	Offshore
Distance to Place Area:	8 Miles Avg.
Type of Equipment:	Hopper Dredge
Env. Window:	NA
Reason for Window:	NA
Est. Start Date	April 25, 2016
Est. Completion Date	July 15, 2016



Galveston District – Dredging Meeting - Custodians of the Texas Coast



HOUSTON SHIP CHANNEL PLACEMENT AREA NO. 14 DEWATERING

			669
	Notes		
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		14	
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	AND MARKEN		
	G. M. Color		
		125 March 1990	

Project:	Houston Ship Channel Placement Area No. 14 Dewatering
Type of Work:	Dewatering
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	
Placement Area:	PA 14
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/Earthmoving Equipment
Env. Window:	NA
Est. Start Date	April 1, 2016
Est. Completion Date	October 15, 2016



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Custodians of the Texas Coast



HOUSTON SHIP CHANNEL MORGAN'S POINT EXXON AND BARBOURS TERMINAL



Project:	Houston Ship Channel Morgan's Point to Exxon & Barbours Terminal		
Dredging Depth:	49 ft. (HSC) & 45 ft. (Barbours) Required Depth		
Dredging Width:	1222 - 300 ft.		
Dredging Length:	Varies		
Dredging Quantity:	2,500,000 cubic yards		
Material Type:	Silt		
Placement Area:	Spilman		
Distance to Place Area:	1 Mile Avg.		
Type of Equipment:	Pipeline		
Env. Window:	NA		
Est. Start Date:	May 23, 2016		
Est. Completion Date:	December 9, 2016		



Galveston District – Dredging Meeting - Custodians of the Texas Coast

HOUSTON SHIP CHANNEL BAYPORT FLARE AND RED FISH REEF TO MORGAN

	Project:	Houston Ship Channel Bayport Flare and Redfish Reef to Morgan Point (include Bayport Bend E.)
	Dredging Depth:	47 ft. Required Depth
	Dredging Width:	530 ft.
	Dredging Length:	Varies
	Dredging Quantity:	2,000,000 cubic yards
A A A A A A A A A A A A A A A A A A A	Material Type:	Sand/Silt
	Placement Area:	Marsh Cells 7/8/9 and Mid-Bay PA
Galveston Bay	Dist. to Place Area:	1-4 miles
	Type of Equipment:	Pipeline
	Env. Window:	Nesting bird window at Mid- Bay PA (avoid impacts to nesting birds March 1 st to August 31st)
	Reason for Window:	Migratory Bird Treaty Act
	Est. Start Date:	September 23, 2016
	Est. Completion Date:	October 23, 2016
Galveston District – Dredging Meeting - Custo	dians of the Texas Co	ast e



HOUSTON SHIP CHANNEL ROSA ALLEN CONTAINMENT DIKE RAISE





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HOUSTON SHIP CHANNEL SPILMAN ISLAND PA DEWATERING



Project:	Houston Ship Channel Spilman Island PA Dewatering
Type of Work:	Dewatering
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:	Marsh Buggy/ Excavation Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	TBD
Est. Completion Date:	TBD

Galveston District – Dredging Meeting - Custodians of the Texas Coast

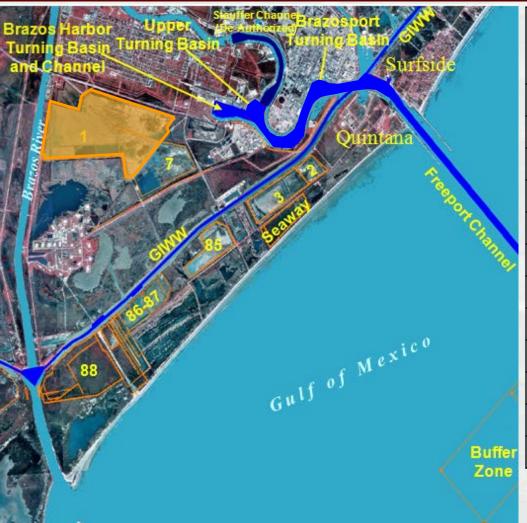




DEEP DRAFT FY16 CONTRACT SCHEDULES



FREEPORT HARBOR PLACEMENT AREA #1 CONTAINMENT DIKE RAISE



	Project:	Freeport Harbor, TX Placement Area #1 Containment Dike Raise
	Type of Work:	Levee Raising
	Dredging Width:	NA
	Dredging Length:	NA
	Dredging Quantity:	NA
	Material Type:	Sand/Silt
	Placement Area (PA):	PA 1
	Distance to PA:	NA
	Type of Equipment:	Dragline
	Env. Window:	NA
ł	Reason for Window:	NA
	Est. Start Date:	April 15, 2016
F	Est. Completion Date:	January 20, 2017
•		



Galveston District – Dredging Meeting

Custodians of the Texas Coast



FREEPORT HARBOR ENTRANCE CHANNEL

Brazos Harber Uppe De Parter Presente Suffrige
Gulf of Mexico
Buffer Zone
Limits of Discharge

Project:	Freeport Harbor Entrance Channel
Dredging Depth:	49 - 47 ft. Required Depth
Dredging Width:	600 ft.
Dredging Length:	Varies
Dredging Quantity:	2,600,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Offshore
Distance to Place Area:	2.5 Mile Avg.
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 5, 2016
Est. Completion Date:	November 19, 2016



Galveston District – Dredging Meeting - Custodians of the Texas Coast



DEEP DRAFT FY16 CONTRACT SCHEDULES





MATAGORDA SHIP CHANNEL MATAGORDA PEN. TO POINT COMFORT

Lavaca Bay	Red Palacios	Project
	Politit Comfort	Dredgin
Port	Carancahua 11 19 Bay	Dredgin
Lavaca 23	9 112 _B	Dredgir
Harbor 7 21	Lavaca Bay Keller Bay	Dredgir
Harbor 7 20 20 Of Refuge Rule Chor Bogue	15 14 14 14 14 14 14 14 14 14 14 14 14 112-C 113 112-C 113 112-C 113 112-C 114 114 115 114 115 114 115 115 114 115 115	Materia
Contraction of the second	12 11 Matagorda Bay 5 115 Matas	Placem
States of	Charles B 2 Church	Distanc Area:
		Type of
1 1 1 A	31,110 seco	Env. W
	Port O'Connoch	Reason
	Port O connect 31 the set of Mexico	Est. Sta
10 C		Est. Co

Project:	Matagorda Ship Channel Matagorda Pen. to Point Comfort
Dredging Depth:	38 ft. Required Depth
Dredging Width:	200 ft.
Dredging Length:	Varies
Dredging Quantity:	1,800,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Open Water/Semi Confined
Distance to Place Area:	1 Mile Avg.
Type of Equipment:	Pipeline Dredge
Env. Window:	March 1 thru August 31
Reason for Window:	Nesting birds
Est. Start Date:	August 30, 2016
Est. Completion Date:	April 2, 2017

Galveston District – Dredging Meeting - Custodians of the Texas Coast

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DEEP DRAFT FY16 CONTRACT SCHEDULES





CORPUS CHRISTI ENTRANCE

Aransa	Project:	Corpus Christi Entrance Channel
Pass Pass	Dredging Depth:	49 - 47 ft. Required Depth
Nueces	Dredging Width:	700 - 600 ft.
Nueces Bay	Dredging Length:	Varies
III Aransas (1)	Dredging Quantity:	1,000,000 cubic yards
Corpus	Material Type:	Silt/Sand
	Placement Area:	Offshore
Corpus Christi Bay	Distance to Placement Area:	2.5 Mile Avg.
	Type of Equipment:	Hopper
	Est. Start Date:	May 15, 2016
Gulf of Mexico	Est. Completion Date:	August 11, 2016



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CORPUS CHRISTI SHIP CHANNEL INNER BASIN TO VIOLA T.B. & LAQUINTA CHANNEL

Aransas	Project:	Corpus Christi Ship Channel Inner Basin to Viola Turning Basin / LaQuinta Channel
Pass	Dredging Depth:	47 – 51 ft. Required Depth
Ingleside	Dredging Width:	600 – 1559 ft.
Nueces Bay	Dredging Length:	Varies
Port Aransas	Dredging Quantity:	1,800,000 cubic yards
Ship Channel	Material Type:	Silt / Sand
Corpus a Christi	Placement Area:	Open Water and Upland
Christi Corpus Christi Bay	Distance to Placement Area:	1-4 Miles
	Type of Equipment:	Pipeline Dredge
Gulf of Mexico	Env. Window (Avoidance Period)	March - November
Mexico	Reason for Window:	Turtles and Nesting Birds
	Start Date:	September 2, 2016
	Est. Completion Date:	January 25, 2017
	miles	Yw Y

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DEEP DRAFT FY16 CONTRACT SCHEDULES





BRAZOS ISLAND HARBOR JETTY CHANNEL

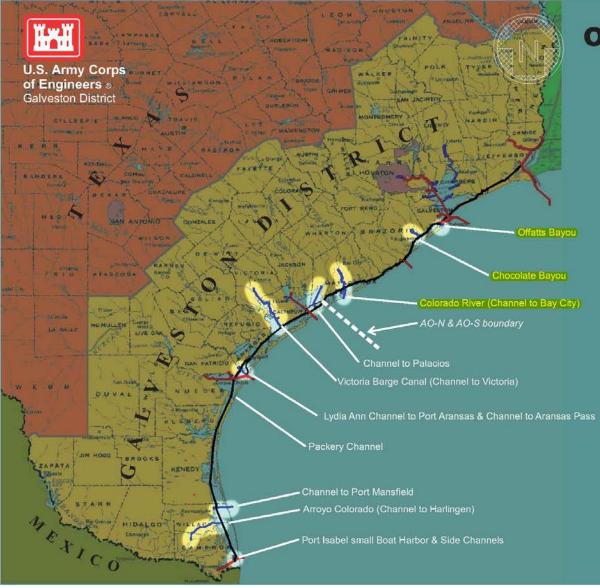


Project:	Brazos Island Harbor Brownsville Jetty Channel
Dredging Depth:	46 ft. Required Depth
Dredging Width:	300 - 400 ft.
Dredging Length:	Varies
Dredging Quantity:	350,000 cubic yards
Material Type:	Sand
Placement Area:	Beach/BU
Distance to Place Area:	2 Miles Avg.
Type of Equipment:	Hopper/Pipeline
Env. Window:	1 Oct- 14Mar
Reason for Window:	Turtle/Tourism
Est. Start Date	October 5, 2016
Est. Completion Date	January 13, 2017



Galveston District – Dredging Meeting - Custodians of the Texas Coast

SHALLOW DRAFT FY16 CONTRACT SCHEDULES



O&M Project Map Book

GIWW - Galveston District GIWW Tributaries





CHANNEL TO VICTORIA

Sheet 1

	Straint.		Project:	GIWW, Ch to Victoria Maintenance Dredging Lower & Middle Reach
HJ.nes Beg,	Channe	to Seadrift	Dredging Depth:	14-foot (Req. Depth)
			Dredging Width:	125 ft.
		XX	Dredging Length:	Varies
			Dredging Quantity:	600,000 cubic yards
			Material Type:	Silt/Sand
			Placement Area (PA):	Upland Confined
		led	Distance to PA:	2.0 Mile (avg.)
a the second of the	San Antonio Bay		Type of Equipment:	Pipeline
		Sector Sector	Env. Window:	NA
			Reason for Window:	NA
			Est. Start Date:	May 3, 2016
			Est. Completion Date:	November 2, 2016
Galveston Dist	trict – Dredging Meetin	ng - Custodian	is of the Texas Coast	IMI _c



CHANNEL TO VICTORIA

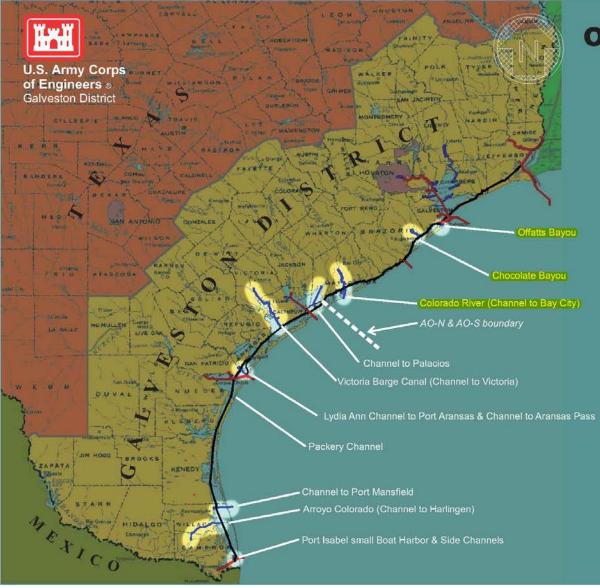


Project:	GIWW, Ch to Victoria Maintenance Dredging Lower & Middle Reach
Dredging Depth:	14-foot (Req. Depth)
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	600,000 cubic yards
Material Type:	Silt/Sand
Placement Area (PA):	Upland Confined
Distance to PA:	2.0 Mile (avg.)
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	May 3, 2016
Est. Completion Date:	November 2, 2016



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SHALLOW DRAFT FY16 CONTRACT SCHEDULES



O&M Project Map Book

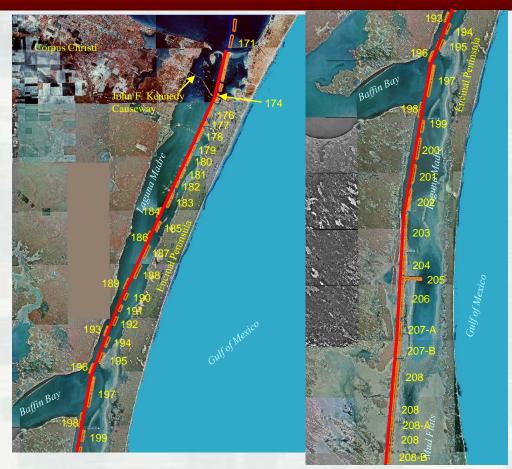
GIWW - Galveston District GIWW Tributaries





GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL

Sheet 1



Project:	Gulf Intracoastal Waterway Corpus Christi to Port Isabel
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/BU Sites
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Nov 28 Feb.
Reason for Window:	Seagrass
Est. Start Date	November 6, 2015
Est. Completion Date	February 29, 2016



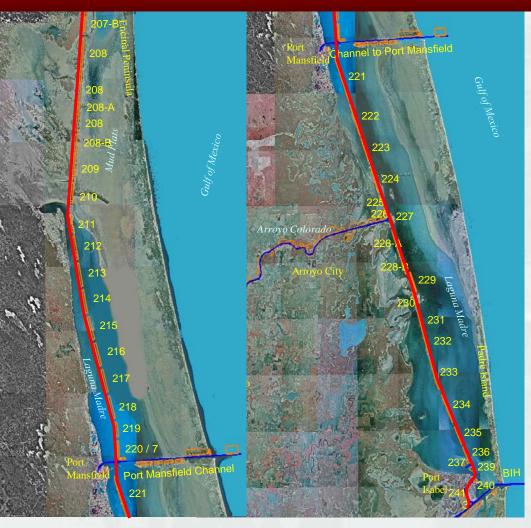
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GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL



Sheet 2



Project:	Gulf Intracoastal Waterway Corpus Christi to Port Isabel
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/BU Sites
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Nov. – 28 Feb.
Reason for Window:	Seagrass
Est. Start Date	November 6, 2015
Est. Completion Date	February 29, 2016



Galveston District – Dredging Meeting - Custodians of the Texas Coast



GULF INTRACOASTAL WATERWAY GALVESTON CAUSEWAY TO BASTROP BAYOU



Project:	Gulf Intracoastal Waterway Galveston Causeway to Bastrop Bayou
Dredging Depth:	12 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined
Distance to Placement Area:	1 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date	November 15, 2015
Est. Completion Date	May 31, 2016

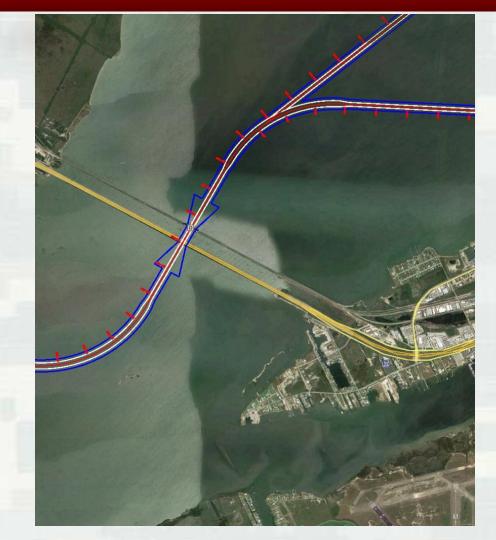


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Custodians of the Texas Coast



GULF INTRACOASTAL WATERWAY GALVESTON CAUSEWAY DEBRIS REMOVAL



Project:	Galveston Causeway Debris and Structure Removal
Type of Work:	Mechanical Dredging, Underwater Demolition, Structure and Debris Removal
Dredging Width:	Varies
Dredging Length:	Varies
Dredging Quantity:	
Material Type:	Silt, Clay, timber, concrete steel, etc
Placement Area:	C&D Landfill
Distance to Place Area:	Varies
Type of Equipment:	Mechanical Dredge, Scows, screening barges
Est. Start Date	February 9, 2016
Est. Completion Date	August 8, 2016

Galveston District – Dredging Meeting - Custodians of the Texas Coast



GULF INTRACOASTAL WATERWAY BENEFICIAL USE SITE B

	126 Ive Oak Joint 127 San Antonio Bay	Project:	Gulf Intracoastal Waterway Beneficial Use (BU) Site B Construction
	127 San	Type of Work:	BU Site
		Dredging Width:	NA
	Beneficial Use Site "B"	Dredging Length:	NA
	9	Dredging Quantity:	NA
NALL SELLE		Material Type:	Silt/Clay
and a set of the set o	AGE ANIA	Placement Area:	NA
130-A	BON	Distance to Place Area:	NA
sv 130-B Mesquit	er a post	Type of Equipment:	Marine Construction
130-B Mesu		Env. Window:	NA
		Reason for Window:	NA
	Gulf of Mexico	Est. Start Date	April 13, 2016
Beneficial 131 Use Site "J"	Gulf	Est. Completion Date	September 15, 2016
Aransas 833 132			



Galveston District – Dredging Meeting - Custodians of the Texas Coast



GULF INTRACOASTAL WATERWAY SHORELINE STABILIZATION AND LEVEE RAISE – PA 93 AND PA 112-B

Sheet 1

Brazos - River	Project:	Gulf Intracoastal Waterway- Shoreline Stabilization and Levee Raise-PA 93 & 112-B
San Bernard River	Type of Work:	Shore Stabilization/ Levee Raise
	Dredging Width:	NA
92 90	Dredging Length:	NA
	Dredging Quantity:	NA
	Material Type:	
954	Placement Area:	PA 93
95B Cell	Distance to Place Area:	NA
and a second sec	Type of Equipment:	Marine Construction Earthmoving Equipment
	Env. Window:	NA
	Est. Start Date	August 11, 2016
	Est. Completion Date	February 7, 2017
		ŬwŬ

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GULF INTRACOASTAL WATERWAY SHORELINE STABILIZATION AND LEVEE RAISE – PA 93 AND PA 112-B

Cont'd...

Sheet 2

Gulf Intracoastal Waterway-Shoreline Stabilization and Levee Raise-PA 93 & 112-B

Shore Stabilization/Levee

Raise

NA

NA

NA

NA

NA

PA 112-B

Marine Construction

August 11, 2016

Earthmoving Equipment

	Palacios 14		Project:	
		A BAY	Type of Work:	3
Carancahua Bay	11/ 4	MA MASS	Dredging Width:]
6	10	112-B	Dredging Length:]
	8	112-A	Dredging Quantity:	
	7	112-C 14 Bay	Material Type:	
	6 114 115	112-C Matagorda Bay	Placement Area:]
Matagorda Bay	5// 116/	and the second	Distance to Place Area:	
	4 SHAW AIL ROUTS	Charles and Charles	Type of Equipment:]
8 7 6	CIN CIN		Env. Window:	
		-	Est. Start Date	
			Est. Completion Date]



Galveston District – Dredging Meeting - Custodians of the Texas Coast



GULF INTRACOASTAL WATERWAY ROLLOVER PASS TO GALVESTON CAUSEWAY

		CAL		VS (
1	Smill Point	East Ba			and the second s	111.12
		Etter		6 Calestan		
			37		llover Pass	
		38	and the state of t	Beach N	ourishment Area	
		40	S.H.O			
		AN A PART				-
	Bolivar 41					
SC	Marsh	Y				
	42 1				Gulf of Mexico	
	PortBolivat	Bolivar Ferry			Gulf of	
X	A DECEM			E 1		3/20
	利用の作用	Contra Joyan	Com		Will.	12-20
	Contra Fito	Ioxas Cily	Channel		100	1
		Core -	Texas City Junction	X	Boliva	rFerry
		Bay	Pelican Spit P.A.	3		1-
	300 0	Galveston Bay	. /5	Pelican Island	a lance	
	ADUTE		\mathcal{D}	PA	San. Jacinto	54 1
	Virginis	49		N. W		
	Virginia Point	50	_	Galveston		
		52 Alternate Channe	51 (1)	M		Gulf of Mexico
	ALL AND A	the state	A REAL PROPERTY	a del tra		
	- SAHD	53	Ga	yester		
	56 55	54 010	nts Balyond			
			1 ku	/		
		A REAL PROPERTY AND ADDRESS OF A REAL PROPERTY AND ADDRESS OF A REAL PROPERTY AND ADDRESS OF A REAL PROPERTY ADDRESS OF A REAL PR	A CONTRACTOR OF	and the second se		

Project:	Gulf Intracoastal Waterway Rollover to Causeway
Dredging Depth:	16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	700,000 cubic yards
Material Type:	Fine Sand/Silt
Placement Area:	Upland/Open Water/BU
Distance to Place Area:	2.0 Mile Avg.
Type of Equipment:	Pipeline
Env. Window:	N/A
Est. Start Date	September 27, 2016
Est. Completion Date	January 25, 2017



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SABINE-NECHES WATERWAY PORT ARTHUR CANAL, TURNING BASIN, JUNCTION AREA AND TAYLORS BAYOU



Project:	Sabine-Neches Waterway Port Arthur Canal, Turning Basin, Junction Area and Taylors Bayou
Dredging Depth:	42 ft. Required Depth
Dredging Width:	400 - 1200 ft.
Dredging Length:	Varies
Dredging Quantity:	3,000,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	PA 8 and PA 9
Distance to Place Area:	1.5 - 2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	September 20, 2017



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SABINE-NECHES WATERWAY OUTER BAR AND BANK CHANNEL



Project:	Sabine Neches Waterway Outer Bar and Bank Channel
Dredging Depth:	44 ft. Required Depth
Dredging Width:	800 ft.
Dredging Length:	Varies
Dredging Quantity:	2,500,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	Offshore
Distance to Placement Area:	3 Mile Avg.
Type of Equipment:	Hopper
Env. Window	April 1 thru Nov. 30
Reason for Window:	Sea Turtles
Award:	September 22, 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
1	Dredging Width:	400 - 1200 ft.
(i	Dredging Length:	Varies
	Dredging Quantity:	1,500,000 cubic yards
6	Material Type:	Silt/Sand
U.	Placement Areas:	TC Dike & SPPA's 3,4,5
	Distance to Place Area:	1 Mile Avg.
	Type of Equipment:	Pipeline
	Env. Window:	NA
	Reason for Window:	NA
	Award:	October 15, 2016



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GALVESTON HARBOR-GALVESTON ENTRANCE CHANNEL AND HOUSTON SHIP CHANNEL-BOLIVAR ROADS TO RED FISH

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Project:	Galveston Harbor - Galveston Entrance Channel and Houston Ship Channel - Bolivar to Red Fish
Dredging Depth:	47-49 ft. Required Depth
Dredging Width:	800-1000 ft.
Dredging Length:	Varies
Dredging Quantity:	2,500,000 cubic yards
Material Type:	Silt/Sand
Placement Area:	Offshore/BU
Distance to Place Area:	4 Mile Avg.
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Award:	February 15, 2017



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	B	ayport	

Project:	Houston Ship Channel Placement Area No. 14 Containment Dike Raise
Type of Work:	Levee Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	
Placement Area:	PA 14
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Award:	October 15, 2016



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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
Wrestra Tast	Env. Window:	NA
Jones Alexander	Reason for Window:	NA
	Award:	November 15, 2016



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

Filthr Bed Tracts	Project:	Houston Ship Channel House Tract & Clint0n Containment Dike Raise
Glendale Clinton Green's Baydayou PA	Type of Work:	Levee Raising
	Dredging Width:	NA
	Dredging Length:	NA
	Dredging Quantity:	NA
	Material Type:	Silt/Clay
	Placement Area:	House Tract & Clinton
An a louston share	Distance to Place Area:	NA
Sims Bayou	Type of Equipment:	Dragline/Earthmoving Equipment
Rosa-Allen	Env. Window:	NA
PA	Reason for Window:	NA
TOUSION	Award:	February 15, 2017



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HOUSTON SHIP CHANNEL LOST LAKE PA DEWATERING

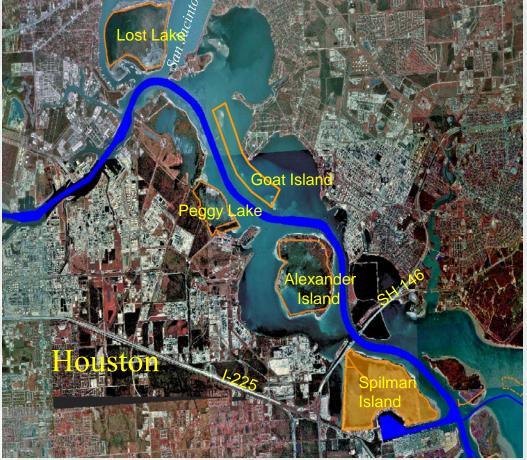
	Project:	Houston Ship Channel Lost Lake PA Dewatering
Lost Lake Dewatering	Type of Work:	Dewatering
A Start Barrier Start Barrier B	Dredging Width:	NA
Lost Lake	Dredging Length:	NA
	Dredging Quantity:	NA
Green's	Material Type:	Silt/Clay
Bayou PA	Placement Area:	NA
Goat Island	Distance to Place Area:	NA
Peggy Lake	Type of Equipment:	Marsh Buggy/ Excavation Equipment
Wrestla ast	Env. Window:	NA
Jones Alexander	Reason for Window:	NA
	Award:	February 15, 2017



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HOUSTON SHIP CHANNEL – SPILMAN ISLAND PA CONTAINMENT DIKE RAISE



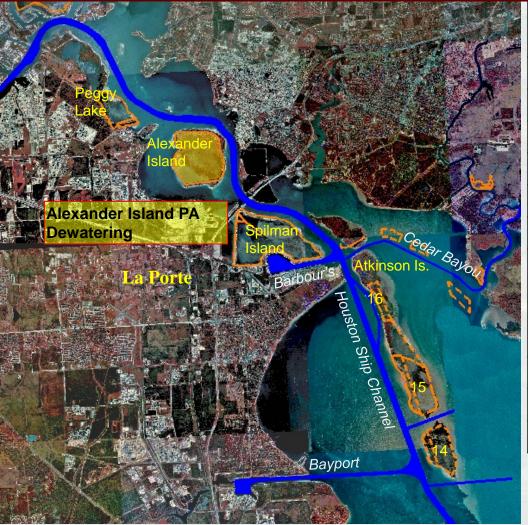
Project:	Houston Ship Channel Spilman Island PA Containment Dike Raise
Type of Work:	Levee Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Spilman Island
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Award:	March 15, 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
Award:	August 15, 2017



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FREEPORT HARBOR ENTRANCE CHANNEL



Project:	Freeport Harbor Entrance Channel
Dredging Depth:	49 - 47 ft. Required Depth
Dredging Width:	400 ft.
Dredging Length:	Varies
Dredging Quantity:	2,500,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Offshore
Distance to Place Area:	2.5 Mile Avg.
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Award:	August 15, 2017



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MATAGORDA SHIP CHANNEL MATAGORDA PENINSULA TO POINT COMFORT

Red Lavaca Bay Bluff	Project:	Matagorda Ship Channel Matagorda Peninsula to Point Comfort
Boint Comfort	Dredging Depth:	38 ft. Required Depth
Port 19	Dredging Width:	200 ft.
Lavaca 23 22 118 112-A	Dredging Length:	Varies
21 Lavaca Bay Keller Bay	Dredging Quantity:	1,800,000 cubic yards
Harbor 7 20 15 Or Refuge Mu ² 20 15 14 6 113 112-C BI 114 114 112 C 115 Matagorda BI	Material Type:	Sand/Silt
Clut Bay 5 115 Mature 12 11 Matagorda Bay 5 116 Mature	Placement Area:	Open Water/Semi Confined
Sunn As a second	Distance to Place Area:	1 Mile Avg.
Powderhorn 76	Type of Equipment:	Pipeline Dredge
17-5A1110-Augusta	Env. Window:	March 1 thru August 31
Port of Connect 211 Marson Gulf of Mexico Gulf of Mexico	Reason for Window:	Nesting birds
of here	Award:	September 15, 2017
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CORPUS CHRISTI SHIP CHANNEL PA 13 CONTAINMENT DIKE RAISE

Off	PA 13 Containment Raise	Dike	Aransas Pass		
	Nueces Bay	Corpus Christ	Ingleside PA 10	Port Aransas	
Corpu Christ	ATTACK MASKE	Corpus Corpus Christi Bay			
					Gulf of Mexico
					÷.

Project:	Corpus Christi Ship Channel PA 13 Containment Dike Raise
Type of Work:	Levee Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	PA 8
Distance to Placement Area:	NA
Type of Equipment:	Dragline/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
aWARD:	May 23, 2017



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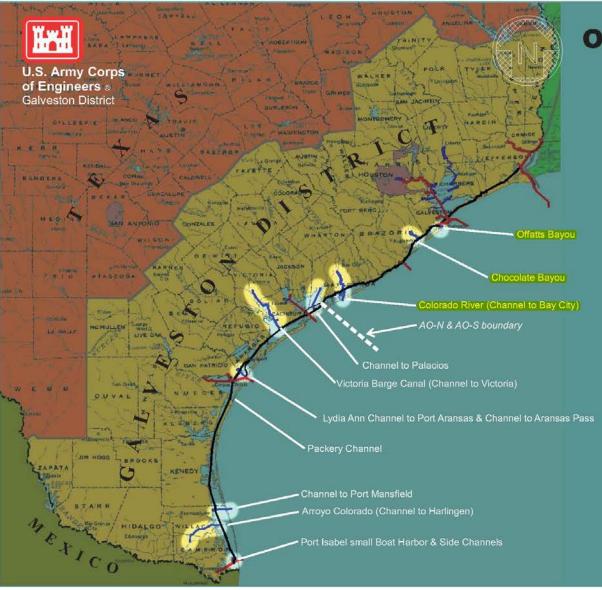


	Aransas		Project:	Corpus Christi Ship Channel Inner Basin to Viola Turning Basin / LaQuinta Channel
	Pass		Dredging Depth:	47 – 51 ft. Required Depth
- The	Ingleside		Dredging Width:	600 – 1559 ft.
Nueces Bay			Dredging Length:	Varies
Charles I	Port		Dredging Quantity:	1,500,000 cubic yards
	Corpus Christi Ship Channel		Material Type:	Silt / Sand
Corpus 🚡 Christi			Placement Area:	Open Water and Upland
Christi Corpus Christi Bay	14/6	Distance to Placement Area:	1-4 Miles	
A Standard	6	No. K ENK	Type of Equipment:	Pipeline Dredge
Gulf of Mexico	Gulf of	Env. Window (Avoidance Period)	March - November	
	Mexico	Reason for Window:	Turtles and Nesting Birds	
PALA M			Award:	September 6, 2017
MRE 6		T	1. J.	

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SHALLOW DRAFT FY17 PLANNED CONTRACT SCHEDULES



O&M Project Map Book

GIWW - Galveston District GIWW Tributaries





CHANNEL TO VICTORIA MIDDLE REACH PA IMPROVEMENTS

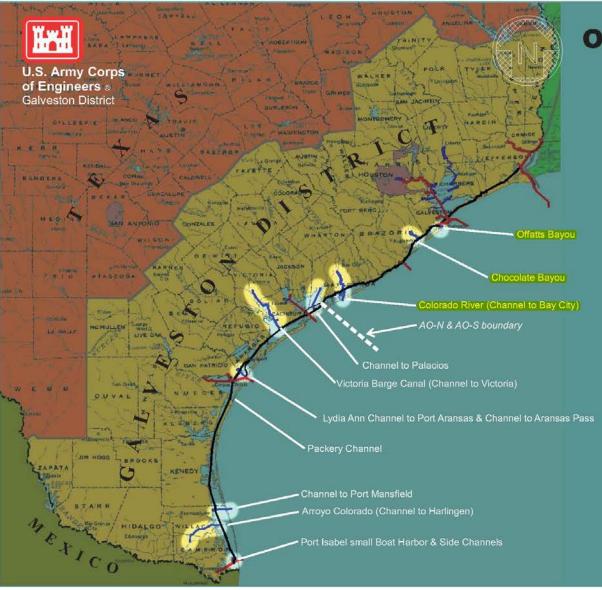


Project:	Channel to Victoria Middle Reach PA Improvements
Type of Work:	Improvements
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	NA
Distance to Place Area:	NA
Type of Equipment:	Drag-line/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Award:	November 16, 2016



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SHALLOW DRAFT FY17 PLANNED CONTRACT SCHEDULES



O&M Project Map Book

GIWW - Galveston District GIWW Tributaries





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
nio Bas	Placement Area:	Open/BU Sites
22 - 22 - San Amonio Bay	Distance to Placement Area:	1 Mile Avg.
HE OF	Type of Equipment:	Pipeline
	Env. Window:	Apr. – Oct.
south 121 order	Reason for Window:	Whooping Cranes
	Award:	May 4, 2017
Beneficial Use Site 'B'		WW

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GULF INTRACOASTAL WATERWAY PA 86 & 87 CONTAINMENT DIKE RAISE

Brados Harbelare Turning Basturenne Basture Arrectorate	Önimat	de Stagoz CS
88	Gulf of	Mexico Mexico 1-A Buffer Zone

Project:	Gulf Intracoastal Waterway PA 86 & 87 Containment Dike Raise
Type of Work:	Levee 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
Award:	June 20, 2017



Galveston District – Dredging Meeting - Custodians of the Texas Coast





Project:	Gulf Intraco <mark>as</mark> tal Waterway High Island to Rollover & Bolivar Flare
Dredging Depth:	16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	800, 000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined/BU
Distance to Placement Area:	2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	N/A
Reason for Window:	N/A
Award:	September 14, 2017



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GULF INTRACOASTAL WATERWAY SCOUR HOLE REPAIRS

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		A STATE OF THE STA	3	
Brazos	River Flo	oodgates		16
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			ver Lock	
Galvester	District -	Drodaina	and a second second second	

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	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
自由語言	Env. Window:	N/A
	Reason for Window:	N/A
No.	Award:	September 15, 2017



Custodians of the Texas Coast

Navigation Project Facilities



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- Minimize shoaling at river crossings
- Safety





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GALVESTON DISTRICT NAVIGATION

Questions/Comments?



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