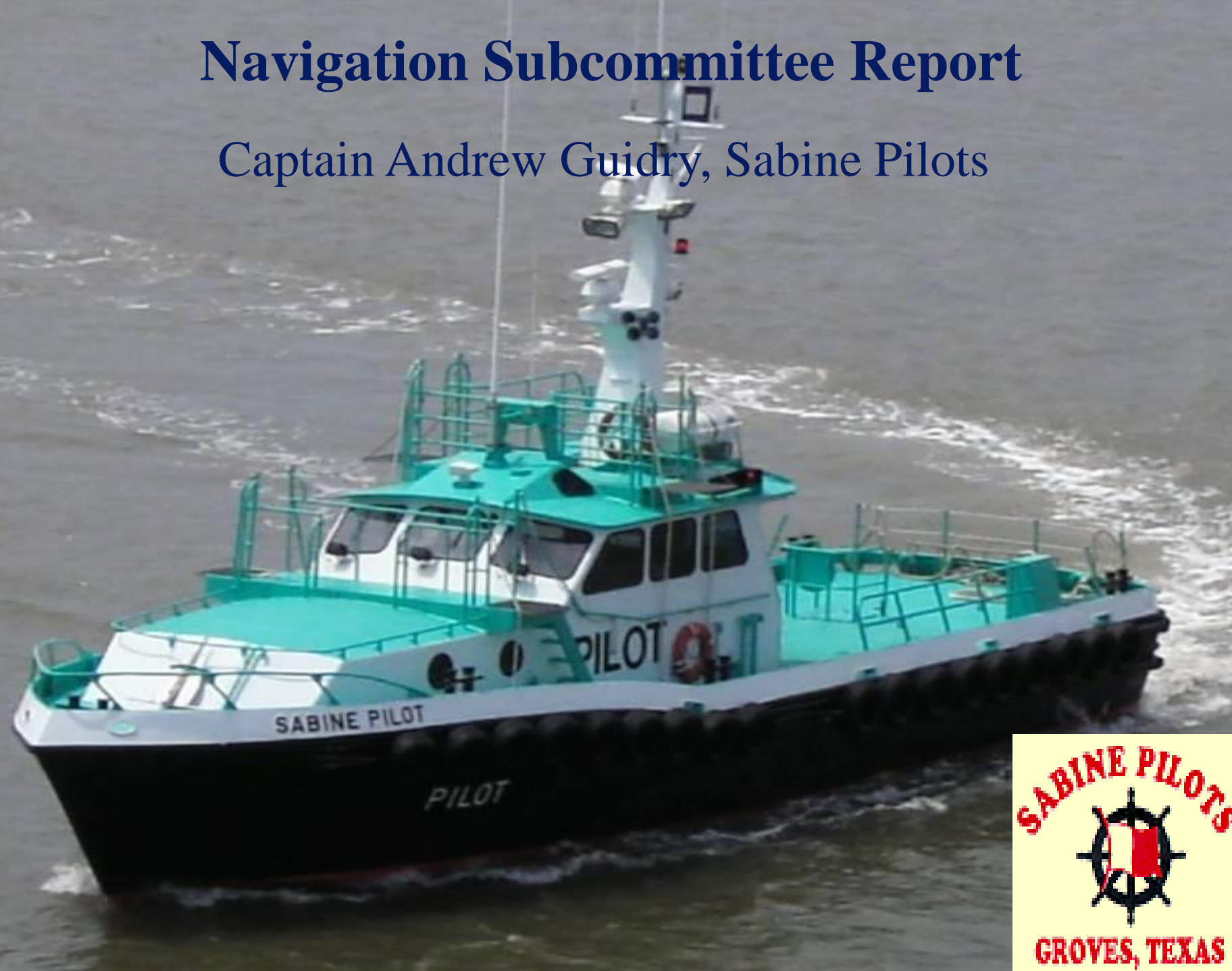




**Full Committee Meeting**  
**27 April, 2023**

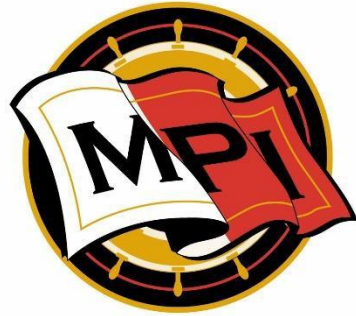
# Navigation Subcommittee Report

Captain Andrew Guidry, Sabine Pilots

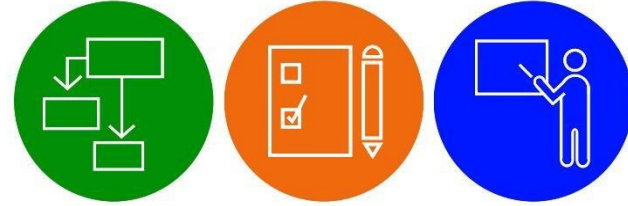




# Report on Blue/Brownwater Seminar



MARITIMEPILOTS  
INSTITUTE



**the ACTION group**

**Post Seminar  
Briefing**

# Houston Area Brownwater-Bluewater Coordination Course

**2-Day Interactive Training Seminar**

Guest Wireless: PilotNW

Password: HPilot203

## Houston-Area Brownwater-Bluewater Coordination Seminar



<b>Date</b>	April 20-21, 2019 <a href="#">Link to Seminar Materials</a>	
<b>Hours</b>	April 20, Thursday, 0830 – 1600hrs April 21, Friday, 0830 – 1430hrs	
<b>Location</b>	Houston Pilots Office 203 Deerwood Glen Dr. Deer Park, TX 77536	
<b>Contact</b>	Please RSVP to Ms. Susie Ward, Houston Pilots susie@houston-pilots.com or 281-476-8222	
<b>Who Should Attend?</b>	<b>Vessel Operators Preferred</b> <b>This is a communication program for vessel operators and pilots</b>	
<b>Class Goal</b>	The goal of the program is to create a facilitated dialog between the professionals who work on the water in Sabine and Houston, with the aim of improving communication and trust among professional mariners.	
<b>Schedule</b>	<b>Day 1</b>	<b>Day 2</b>
	<ul style="list-style-type: none"> <li>• 0830 Start</li> <li>• VTS Sabine</li> <li>• VTS Houston</li> <li>• Lunch</li> <li>• Sabine AET Case Review</li> <li>• Houston PBIRIC Case Reviews</li> <li>• Lone Star Committee update</li> <li>• 1600 end</li> </ul>	<ul style="list-style-type: none"> <li>• 0830 Start</li> <li>• Review of day one</li> <li>• Project 11 Update</li> <li>• Lunch</li> <li>• ESO Radar – Seaman's Church Institute</li> <li>• Tractor Tugs in Houston – G&amp;H Towing</li> <li>• Closing discussion</li> <li>• 1430 end</li> </ul>
<b>Social event</b>	1800hrs, Thursday evening, All participants welcome Johnny Tamales Restaurant 4647 E Sam Houston Pkwy S. Pasadena, TX 77505 <i>Near Beltway 8 and Crenshaw</i>	



Link to symposium resources.

# Schedule



General Timeframe	Day 1	Day2
0830-0930	Welcome: Survey Class-Opener	Review of Day One VTS Houston Discussion
0930-1000	General Discussion	POHA Project 11 update
1000-1100	VTS Port Arthur	USCG VTS Houston
1100-1200	VTS Port Arthur	Seamans Church – ESO Radar Method Tractor Tugs – G&H Towing
1200-1300	<b>Lunch Break</b>	<b>Lunch Break</b>
1300-1400	USCG COTP Houston Address	SJCC Maritime Program Hot Wash review of topics
1400-1500	Houston PBIRC Cases	Linemen and mooring safety Farewell – class evals
1500-1530	Houston PBIRC Cases	



# VTS Port Arthur – Seminar Notes



① PA VTS

- 40' to 48' DEEPENING
- 44' By June to jetties
- NEW SB 11.5 nm offshore
  - \* NEEDS ATON
  - \* CHANGE IN ANCHORAGES
- WIND FARMS ARE COMING!
- WIND SUPPORT & CONSTRUCTION VESSELS.

② VTS PA

- \* 23' DRAFT TO ORANGETX
- 10 MILES OF TOW/SHIP SHARED CHANNEL
- HAVE OFFSHORE CROSSING FAIRWAY
- 400' OVER 125' 950' LOA DAYLIGHT MEETS RESTRICTED COMBINED EXCEEDS WIDTH OF CHANNEL 106 IS LIMITED CAL CARRIERS.

③ VTS PA

- NAV ASSESSMENT UNDERWAY TO LOOK AT EXPANSION
- \* LPG 750'x120' IS LARGEST
- \* ETHANE SHIPS ARE 24/7
- BRIDES CROSS CHANNEL INCREASE RISK FOR TOW/SHIP SHIMP BOATS, MEETS/OVERTAKE
- \* SHIP ARE @  $\approx 8$  Kn...
- LOTS OF CHANNEL "TREASURE" PIPE,

④ VTS PA BALLAST LPG  $\approx 10$  Kn

- 80 PIPELINES MUST BE CHANGED
- 10 ARE COMPLETE
- \* TOW & SHIP SWEEP PATH  $\approx 8^\circ$  Generally doubles THE BEAM
- \* TOW WITH EMPTIES IS POWERLESS WHEN STOPPED IN THE WIND.

⑤ VTS PA

- \* TRUST CREATES SAFE USE OF AVAILABLE CHANNEL
- 250-300 hp per BARGE?
  - USCG HIGH RIVER RULES
- COMPANY RULES ESTABLISH RULES
- LOWE STATE HAS GUIDELINES.
- SMS & SUB M HAS CLEAR COMPANY SELF-REGULATION. MORE RIGOR.

# PA and Houston VTS +PBIRC – Seminar Notes



VTS  
(281) 464-4837  
HoustonTraffic@VSCG.MIL

**VTS PA** (6)  
PILOT: IT'S HELPFUL IF YOU UPDATE YOUR TOW PACKAGE IN AIS  
PCT: INFO DISTRIBUTION  
[COTP ADDRESS] - THANKS  
MSZB:  
SUPPORT P.O.R.T.S.!  
NOAA funding

**VTS PA** (7)  
SEELOS - WALKER TALKING MEET.  
- Red OVERSIZE "TOW PERMIT"  
★ 750' x 100' OR GREATER  
★ NTSB WANTS FULL INTERVIEW BY VTS.  
"WE GIVE OUTCOME BASED TASKING"  
VTS Controls SPACE

**VTS PA** (8)  
- Tendering is now around Bolivar!  
- Hurricanes  
★ GO TO USACE & GET X, Y, Z DEPTH FILES FOR ROSE POINT Overlay.

**Capit Guiding, Sabine Pilots** (9)  
AET VDR.  
Solutions  
- Tows... we could TRY OUR TRANSITS.  
- Daylight Convoys? ~~0800-0830~~ INTERESTING  
- USE THE NEW MOORINGS?  
DIRECTION of TRAFFIC  
★ Never "you should've had an unsafe day!"

**SABINE PILOTS** (10)  
"IF A 6-PACK DOES NOT HAVE A 5-MILE LEAD THEN I'M GOING TO CATCH THEM..."  
"I TRY TO MAKE MY CALLS AS BORING AS POSSIBLE" (Predictable)  
"PUT SOMETHING IN YOUR VOICE, IT MIGHT MAKE US UP!"

**VTS HOUSTON** (16)  
① DOES VTS GIVE BAY TOWS PRIORITY? (YES)  
② GICA: WE SUPPORT INITIATIVES...  
③ RECC: IF TOWS HAVE A FAIR TIDE, ETC. DOES VTS ADJUST ACCORDINGLY? (ANS: EACH CASE IS EVALUATED BY PCT)  
④ RECC: TO VTS, SHOULD RE. CONFIRM FLEET SPACE AFTER A 6-8hr DELAY IN ICW BOLIVAR. (Agreed)

**PDHA - Project 11** (17)  
LARGEST TOWAGE IN U.S. (Houston)  
IA: GREAT LAKES dredging: Complete  
- 5 MILE SPACING BTW Dredges  
IB: S1/S2 → Bayport: CURTIN  
- MAKING OYSTER REEFS  
LAND-CUT Bayport: WEEKS  
Deepen FLARE  
IC: Bayport → Morgans: ?

**SHRIMPERS: Capt. Galloway** (19)  
• GREAT IMPROVEMENT IN COMM. - IDK IN GEAR OUT...  
- INCIDENT: CONTAINER-BARGE OVER-RUNS SHRIMP BOAT  
- ZIGZAGGING TOW RAN SHRIMPERS OUT OF CHANNEL.  
DREDGES ARE ON 71  
SHRIMPERS ARE ON 71 (72?)  
MOST (3 BOATS?) ARE LIVE-BAIT AND HOME BY 1100-1200.





# Project 11 – SJCC – SCI ESO and Tractor Tugs



Poha Project 11 (18)

2023	2024	2025
Bolivar → 26		
	26 - 52	
	52 - B Ave	
	Flare → Marina	
		BARBOURS

SCI ESO Radar. (22)

ESO METHOD. WHY?

- COLREG.
- 3° EBL'S + Zone VR's

"Gunsight" Method. (SHIP)

Project Pivot Point OUT FRONT (PPR2) = Crosshair Steering

★ OWNERSHIP VECTOR ↑

SJCC MARITIME (21)

CAPT. AMY ARROWOOD

IN BAYPORT BASIN

- RECENT NEW LAY-PIER
  - Crew change.
  - Call for Access.
- 2yr College Program + Intern
- Hand's ON focus

2 Guys Cussin

5 MILES INBOUND (WPAB TX IS INX)

0800 - 0830	0600
OUTBOUND	1000' east

New Moorings \$\$\$

Afternoon (0800)

1400

18-1300 OUTBOUND

G&H TRACTOR TUG. (23)

- BULLDOZER ON THE WATER!
- 16'-21' DRAFT
- WORK ON 14 OR 77 (No 13)
- Project ± 150'-200' from SHIP.
- RENDER-RECOVER

6



# VTS Port Arthur – Selected Slides

# *Vessel Traffic Service*



*Sabine Neches Waterway*

*“Port Arthur Traffic”*













January 23, 2010

# 2023 CHALLENGES

## ➤ Planning for Deepening Project.

- Planned increases in ship traffic including LHG transits.
- Dredging in multiple location.
- ATON – relocation, establishment (ranges).
- ATON Allisions
- Pipeline removal operations.





# **POHA - Project 11 - Selected Slides**

# Houston Ship Channel New Work Dredging

## HSC ECIP / PROJECT 11

Leia Wilson  
HSC Operations Manager, Port Houston

Blue/Brown Coordination Course  
Friday, April 21, 2023

Visit: [www.expandthehoustonshipchannel.com](http://www.expandthehoustonshipchannel.com)



PORT HOUSTON

# PROJECT 11

## Project Overview

- 1 Bolivar Roads to Redfish**

  - Approximately 11.5 miles in length
  - Widen Channel to 700 feet
  - Bend easing
  - Construct New Bird Island
  - Mitigate for oyster habitat loss
  
- 1 Redfish to Bayport Ship Channel**

  - Approximately 8.3 miles in length
  - Widen Channel to a minimum of 700 feet
  - Bend easing
  - Construct marshes and three bird islands in Galveston Bay
  - Mitigate for oyster habitat loss
  - Currently not in the proposed federal plan, so must be built by local interests
  
- 1 Bayport Ship Channel to Barbours Cut**

  - Approximately 5 miles in length
  - Widen Channel to 700 feet
  - Construct additional marshes
  - Mitigate for oyster habitat loss
  - Currently not in the proposed federal plan, so must be built by local interests

- 2 Bayport Ship Channel**

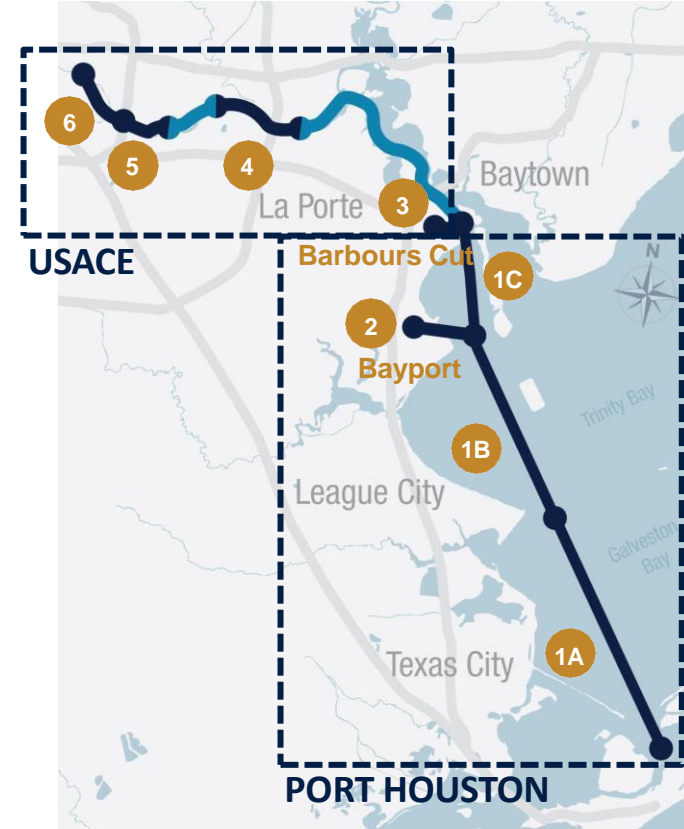
  - Approximately 4 miles in length
  - Widen Channel to approximately 455 feet
  - Construct marshes and three bird islands in Galveston Bay
  - Mitigate for oyster habitat loss
  - Modify channel entrance to reduce shoaling
  
- 3 Barbours Cut Ship Channel**

  - Widen Channel to approximately 455 feet
  - Construct additional marshes on Atkinson Island
  - Modify channel entrance
  
- 4 Boggy Bayou (BW 8) to Sims Bayou**

  - Widen Channel to approximately 530 feet through Greens Bayou confluence
  - Deepen from existing 41 feet to 46.5 feet from Boggy Bayou to Hunting Bayou (last Turning Basin before reaching Washburn Tunnel)
  
- 5 Sims Bayou to IH 610**

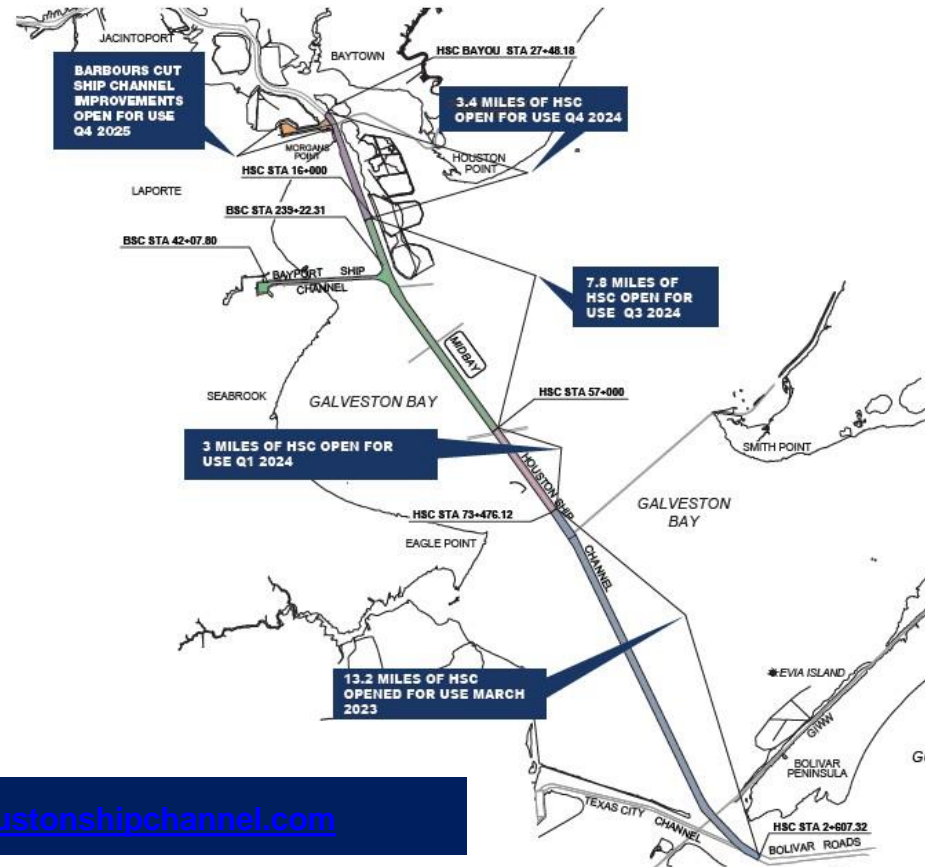
  - Deepen from existing 37 feet to 41.5 feet
  
- 6 IH 610 to Turning Basin**

  - Deepen from existing up to 41.5 feet
  - Increase Brady Island Turning Basin



# HSC ECIP / PROJECT 11

TENTATIVE SCHEDULE FOR USE OF IMPROVED CHANNEL



Visit: [www.expandthehoustonshipchannel.com](http://www.expandthehoustonshipchannel.com)



PORT HOUSTON





# SJCC Maritime – Selected Slides

# Maritime Campus

- Located on Bayport Turning Basin
- 3700 Old Highway 146
- La Porte, TX
- Front Desk: 281-459-5483



# Course Offerings

- Over 65 USCG approved courses
- From entry level deckhand to unlimited Master license courses
- Engineering courses also
- 3 full mission bridge/wheelhouse simulators
- Engine room simulator
- Deckhand Training Pad
- Training pool
- Fire Fighting
- Deckhand & Skiff Training
- And MORE!





# Simulation

- 3 full mission bridge/wheelhouse simulators
- Engine room Simulator







# Equipment

- a. Brand NEW enclosed lifeboat and davit
- b. Single-Point Davit with Fast Rescue Boat
- c. Skiff for Skiff Training required by Subchapter M





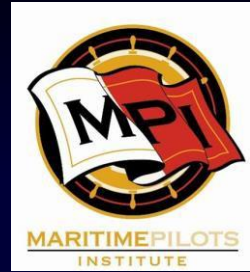
# Firefighting Training Field





# **G&H Towing– Selected Slides**







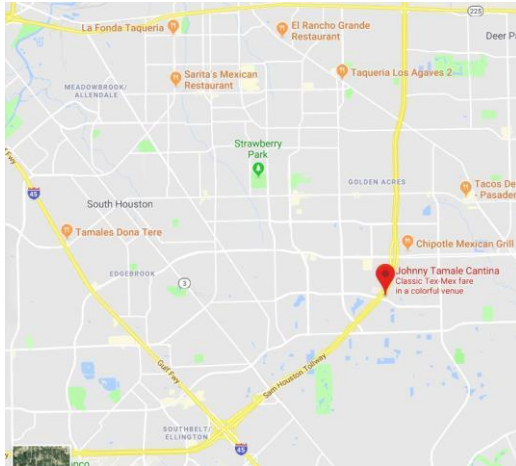


# EVA 2022, HP 4430



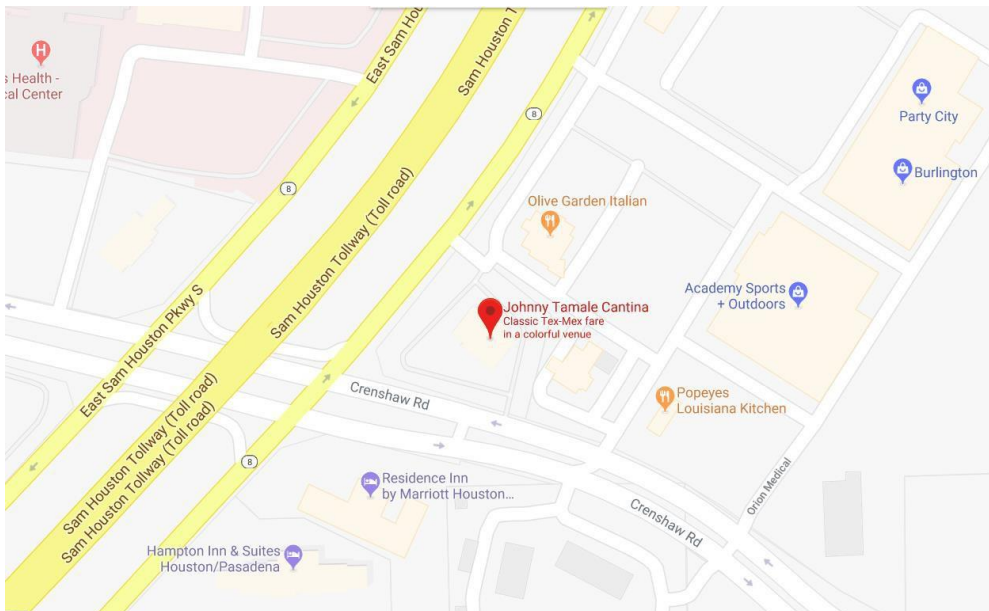


# Thursday Night Social event



1715hrs, Thursday evening, All participants welcome  
Johnny Tamale Restaurant  
4647 E Sam Houston Pkwy S.  
Pasadena, TX 77505  
*Near Beltway 8 and Crenshaw*

1715 hrs





# Facilitators



# Introductions: Capt. David Foret



- **Captain David A. Foret, Jr.** President of the ACTion Group Companies
- David has over 44 years' experience in the towing vessel industry including 12 years onboard and more than 13 years spent in shoreside management before forming his own compliance firm in 1999.
- He holds a Merchant Mariner Credential endorsed as Master of Towing Vessels and Tankerman-PIC (Barge) Dangerous Liquids and Liquefied Gas cargoes, TVIB-Certified AWO RCP Auditor certification, Certified ISO 9000 Lead Auditor and Crew Endurance Management Systems (CEMS) Expert.
- He has served on the Pilot Board Investigation Review Committee (PBIRC) representing the interests of the brownwater towing vessel community for the past 15 years.
- Currently serving on the Board of Directors for TVIB. Chairman of the Lone Star Harbor Safety Committee's Navigation Operations Subcommittee.



# Introductions: George Burkley

[Gburkley@maritimepilotsinstitute.org](mailto:Gburkley@maritimepilotsinstitute.org)

- Work Background
  - US Naval Officer
  - Merchant Ship's Officer
  - Director, Maritime Pilots Institute
  - Marine specialties, electronics, shiphandling, tugs, piloting
- Education
  - California Maritime Academy, 1989, BS Marine Transportation
  - Johns Hopkins University, 1998, MS Environmental Science



Executive Director, Maritime Pilots Institute

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