CYPRUS SEA LINES CO. LTD.

N02

PASSAGE PLAN

FROM: VERACRUZ,MEXICO — TO: HOUSTON,USA

FROM: VERACRUZ,BERTH — TO: HOUSTON,USA

VOYAGE No.: 06 E 09 — DATE: 03-Mar-15 — MAX DRAFT: — LAST NOTICE TO MARINERS: NTM 06/2015

DIST. BERTH TO BERTH: 673.7 NM — DIST. PILOT TO PILOT: 634.8 NM

ZONE TIMES	
DEP.	-6
ARR.	-6
DIFF.	0
NOTES	0

CHECKS MADE	Y
DEP. & NAVIGATIONAL HAZARD	Y
POLICATIONS & CHARTS UP TO DATE	Y
CHECK LIST CORRECTIONS	Y
EQUIPMENT CHECK	Y

VOYAGE STEAMING TIME				
16.5	KTS	01	D	16 H 50 M
16.0	KTS	01	D	15 H 41 M
15.5	KTS	01	D	16 H 57 M
15.0	KTS	01	D	18 H 19 M

SIGNATURES (*)	
PREPARED BY	2M RUDY B. ARIEGO
APPROVED BY MASTER	CAPT. MARTIN E. LONGSOS
ACKN. CHIEF OFFICER	ROBERT R. ALIM
ACKN. 2/ OFF.	2M RUDY B. ARIEGO
ACKN. 3/ OFF.	ROLAND S. LEONADO

(*) Undersigned officers verify correction of charts used for the purposes of the present voyage plan

W.P. CROSS OUT WHEN PASSED	TIME	DATE	REFERENCE NAME (WAY POINT- LANDMARK- BEACON)	φ	λ	ALTER COURS E TO:	DIST. WP TO WP	D.T.C.	POSITION FIXING METHODS (GPS/ RADAR/ VISUAL)	INTERVAL (MINUTES)	SPEED OR TELEGRAPH ORDER	REMARKS
1			VERACRUZ,BERTH	19-12.64 N	096-08.04 W	VAR	5	673.3	1. PRIMARY: 2. SECONDARY:	05 Mins.	MANUEVERING	RADAR / GPS OBS.
2			VERACRUZ,P/STN	19-11.20 N	096-03.20 W	57	6.3	668.3	1. PRIMARY: 2. SECONDARY:	20 Mins.	FULL AWAY	RADAR / GPS OBS.
3			VERACRUZ TSS	19-14.60 N	096-57.60 W	0	9.4	662	1. PRIMARY: 2. SECONDARY:	20 Mins.	FULL AWAY	RADAR / GPS OBS.
4			VERACRUZ TSS	19-24.00 N	095-57.60 W	3	396.5	652.6	1. PRIMARY: 2. SECONDARY:	20 Mins.	FULL AWAY	RADAR / GPS OBS.
5			FAIRWAY CHANNEL	26-00.00 N	095-35.50 W	28	97.2	256.1	1. PRIMARY: 2. SECONDARY:	20 Mins.	FULL AWAY	RADAR / GPS OBS.
6			FAIRWAY CHANNEL	27-26.00 N	094-45.00 W	46	24	158.9	1. PRIMARY: 2. SECONDARY:	20 Mins.	FULL AWAY	RADAR / GPS OBS.
7			FAIRWAY CHANNEL	27-42.50 N	094-25.50 W	1	87.5	134.8	1. PRIMARY: 2. SECONDARY:	20 Mins.	FULL AWAY	RADAR / GPS OBS.
8			FAIRWAY CHANNEL	29-10.00 N	094-24.60 W	308	12.1	47.4	1. PRIMARY: 2. SECONDARY:	10 Mins.	FULL AWAY	RADAR / GPS OBS.
9			MO A GA BOUY	29-17.40 N	094-35.50 W	300	1.8	35.3	1. PRIMARY: 2. SECONDARY:	05 Mins.	MANUEVERING	RADAR / GPS OBS.
10			HOUSTON P/STN	29-18.30 N	094-37.00 W	VAR	33.5	33.5	1. PRIMARY: 2. SECONDARY:	02 Mins.	MANUEVERING	RADAR / GPS OBS.
							TOTAL N.M.		USE ADDITIONAL PAGES AS NECESSARY			

PILOTAGE: SEE SEPARATE PLAN BELOW:

(*) As per IMS Volume 3 - Section 1 - Para. 1.2.6., the intervals are as follows: Open Sea: Every One (1) Hour, Coastal Waters: Every 10-20 minutes, Restricted Waters / Separation Schemes: Every 5 - 10 minutes

SOURCES OF INFORMATION

CHARTS USED (*): BA CHARTS : 374-376-1225-4401-3849-3850-3854-3183-3186-3187

PUBLICATIONS USED:

SAILING DIRECTIONS : NP 69A

LIST OF LIGHTS AND FOG SIGNAL : NP 82 VOL J

LIST OF RADIO SIGNAL : NP 281(2)-NP 283(2)-NP 282 VOL 2 - NP 285 VOL 5 - NP 286(6) VOL 6

TIDES TABLES:NP 202 VOL. 2

SIGNATURES:	MASTER:	CAPT. MARTIN E. LONGOS	C/OFFICER:	ROBERT R. ALIM	2/ OFFICER	RUDY B. ARIEGO	3/ OFFICER	ROLAND S. LEONADO
(*) : Latest NTM taken in account	NTM 06/15							
T&P Notices used:	NTM 06/16							

CYPRUS SEA LINES CO. LTD.

N02

PASSAGE PLAN

FROM	VERACRUZ,MEXICO	TO	HOUSTON,USA
FROM	VERACRUZ,BERTH	TO	HOUSTON,BERTH
VOYAGE No.	06 E 09	DATE	03-Mar-15
MAX DRAFT	10.00M	LAST NOTICE TO MARINERS	NTM 06/2015
DIST. BERTH TO BERTH	673.7 NM	DIST. PILOT TO PILOT	634.8 NM

ZONE TIMES	
DEP.	-6
ARR.	-6
DIFF.	0
NOTES	0

CHECKS MADE	Y
DEP. & NAVIGATIONAL HAZARD	Y
PULICATIONS & CHARTS UP TO DATE	Y
CHECK LIST CORRECTIONS	Y
EQUIPMENT CHECK	Y

VOYAGE STEAMING TIME				
16.5	KTS	01	D	15 H 60 M
16.0	KTS	01	D	15 H 41 M
15.5	KTS	01	D	16 H 57 M
15.0	KTS	01	D	18 H 19 M

SIGNATURES (*)	
PREPARED BY	2M RUDY B. ARIEGO
APPROVED BY MASTER	CAPT. MARTIN E. LONGOS
ACKN. CHIEF OFFICER	ROBERT R. ALIM
ACKN. 2/ OFF.	2M RUDY B. ARIEGO
ACKN. 3/ OFF.	ROLAND S. LEONADO

(*) Undersigned officers verify correction of charts used for the purposes of the present voyage plan

W.P. CROSS OUT WHEN PASSED	TIME	DATE	REFERENCE NAME (WAY POINT- LANDMARK- BEACON)	φ	λ	ALTER COURSE TO:	DIST. WP TO WP	D.T.C.	POSITION FIXING METHODS (GPS/ RADAR/ VISUAL BEARING)	POSITION FIXING INTERVAL (MINUTES)	SPEED OR TELEGRAPH ORDER	REMARKS
11			HOUSTON ,BERTH	29-40.90 N	095-00.10 W				1. PRIMARY: 2. SECONDARY:	05 Mins	MANUAVERING	RADAR / GPS OBS.
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
									1. PRIMARY: 2. SECONDARY:			
							TOTAL N.M.		USE ADDITIONAL PAGES AS NECESSARY			

PILOTAGE: SEE SEPARATE PLAN BELOW:

(*) As per IMS Volume 3 - Section 1 - Para. 1.2.6 , the intervals are as follows: Open Sea. Every One (1) Hour, Coastal Waters: Every 10-20 minutes, Restricted Waters / Seperation Schemes: Every 5 - 10 minutes

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TIDES TABLES: NP202 VOL .2

SIGNATURES:	MASTER: CAPT. MARTIN E. LONGSO	C/OFFICER ROBERT R. ALIM	2/ OFFICER RUDY B. ARIEGO	3/ OFFICER ROLAND S. LEONADO
(*) : Latest NTM taken in account	NTM 06/15			
T&P Notices used:	NTM 06/16			

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PASSAGE PLAN

ALL VITAL INFORMATION FOR PILOTAGE IS TO BE TAKEN FROM CHARTS!

JETTY	HOUSTON USA				
DATE	08-Mar-15	VOY. NO.	06 E 05	MAX DW DRAFT	9.94 M

CROSS WHEN PASSED	TIME	DATE	LAT/LONG	ALTER COURSE TO	DISTANCE	LAND MARK / REMARKSS
			29-18.3N / 094-37.2W	301	4.2	HOUSTON P/STN
			29-20.4N / 094-41.2W	282	1.5	BREAK WATER
			29-20.7N / 094-42.9W	266	2.6	INNER BAR CHANNEL
			29-20.5N / 094-46.1W	296	0.75	HOUSTON SHIP CHANNEL
			29-20.9N / 094-46.9W	318	1.6	HOUSTON SHIP CHANNEL
			29-22.1N / 094-48.2W	336	3.3	HOUSTON SHIP CHANNEL
			29-29.6N / 094-51.1W	326	6.5	HOUSTON SHIP CHANNEL
			29-36.5N / 094-57.2W	342	4.9	HOUSTON SHIP CHANNEL
			29-41.0N / 094-58.9W	261	1	BAR BOURS CUT
			29-49.9N / 095-03.1W			HOUSTON ,BERTH
					TOTAL=33.55NM	

PILOTAGE

TIDE INFORMATION

TIME	HEIGHT	NOTE
8TH/ 0556H	0.3M	
1124H	0.1M	
1736H	0.3M	
2346H	0.1M	
9TH/0650H	0.3M	
1157H	0.2M	
1751H	0.3M	

OTHERS CHECKLIST ATTACHED

1	PRE-ARRIVAL CHECKLIST
2	PILOT CARD
3	SHORE TO SHIP PILOT/MASTER EXCHANGE
4	OTHERS AT ATTACHMENTS
5	

OTHERS CHECKLIST ATTACHED

MASTER	PILOT
CAPT. MARTIN E. LONGOS	

GENERAL INFORMATION SUCH AS DANGER POINTS - SENSITIVE AREAS - BRIDGE AND AIRDRAFTS(*) - UKC (**) - TIDES CROSS TRACK MARGIN - DEPTHS - CURRENTS - PARALLEL INDEX PLOTTING ETC.

CHART	POSITION / LAND MARK	REMARKS	SIGN

GENERAL INOFORMATION & DANGER POINTS

OTHER VARIOUS REMARKS

PLEASE FOLLOW THE MARK WITH PENCIL NGA OR NO GO AREA IN THE CHART.

KEEP CLEAR OF ALL MEETING VESSEL AND SHALLOW WATER. BE VIGILANT OF FISHING VESSEL AROUND THE VICINITY AND PLEASE FOLLOW THE CHARTED COURSE MARK IN THE CHART.

IN CASE OF EMERGENCY PLEASE PROCEED TO THE PORT OF CONVENIENCE TO DROP ANCHOR OR ALONGSIDE.

(*) Air draft is calculated as per Vol. 3 Bridge Deck Manual, Part 2 Safety of Navigation

CYPRUS SEA LINES CO. LTD. N02

PASSAGE PLAN

ALL VITAL INFORMATION FOR PILOTAGE IS TO BE TAKEN FROM CHARTS!

JETTY	VERACRUZ,MEXICO				
DATE	04-Nov-14	VOY. NO.	06 E 09	MAX DW DRAFT	9.94M

CROSS WHEN	TIME	DATE	LAT/LONG	ALTER COURSE	DISTANCE	LAND MARK/ REMARKSS
			19-12.70N / 096-08.10W	155	0.4	VERACRUZ BERTH
			19-12.30N / 096-07.90W	127	0.6	INNER CHANNEL
			19-12.10N / 096-07.35W	83	1.7	BREAKWATER
			19-12.30N / 096-05.60W	129	1.7	VERACRUZ CHANNEL
			19-11.20N / 096-04.23W	90	0.95	VERACRUZ CHANNEL
			19-11.20N / 096-03.20W			VERACRUZ P/STN

PILOTAGE

TIDE INFORMATION

TIME	HEIGHT	NOTE
JAN 13 /0018H	0.4M	
0704H	0.1M	
1357H	0.4M	
1922 H	0.3M	
JAN 14 /0044H	0.4M	
0744H	0.0M	
1504H	0.5M	
2007H	0.3M	

OTHERS CHECKLIST ATTACHED

1	PRE- DEPARTURE CHECKLIST
2	PILOT CARD
3	SHORE TO SHIP PILOT/MASTER EXCHANGE
4	OTHER ATTATCHMENTS
5	

OTHERS CHECKLIST ATTACHED

MASTER	PILOT
CAPT. MARTIN E. LONGOS	

C.S.L. VIRGINIA LIMASSOL

GENERAL INFORMATION SUCH AS DANGER POINTS - SENSITIVE AREAS - BRIDGE AND AIRDRAFTS(*) - UKC (**) - TIDES CROSS TRACK MARGIN - DEPTHS - CURRENTS - PARALLEL INDEX PLOTTING ETC.

CHART	POSITION / LAND MARK	REMARKS	SIGN

GENERAL INOFORMATION & DANGER POINTS

OTHER VARIOUS REMARKS

PLEASE FOLLOW THE MARK WITH PENCIL NGA OR NO GO AREA IN THE CHART.

KEEP CLEAR OF ALL MEETING VESSEL AND SHALLOW WATER. BE VIGILANT OF FISHING VESSEL AROUND THE VICINITY AND PLEASE FOLLOW THE CHARTED COURSE MARK IN THE CHART.

IN CASE OF EMERGENCY PLEASE PROCEED TO THE PORT OF CONVENIENCE TO DROP ANCHOR.

WHEN ENTERING VERACRUZ TSS, CALL VERACRUZ TRAFFIC VHF CH 10 OR 16.

(*) Air draft is calculated as per Vol. 3 Bridge Deck Manual, Part 2 Safety of Navigation

(**)UKC and squat calculation guidance is provided below

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PASSAGE PLAN

VESSEL SQUAT

$$\text{SQUAT max(m)} = 2 \times CB \times \frac{V^2}{100}$$

(Confined Waters)

$$\text{SQUAT max(m)} = CB \times \frac{V^2}{100}$$

(Open Waters)

$$CB = \frac{\text{Volume of Displacement}}{L \times B \times D}$$

87832 / 99455.5 = 0.88

Where:
CB: Block Coefficient
L: Length/294.16 m
B: Breath/32.20 m
D:Draught/ 10.50 m
V: Vessel Speed

CALCULATIONS			REMARKS / WEATHER REPORT
Speed (Kts) CB=0.88	CONFINED WATERS CB=0.88	OPEN WATERAS CB =0.88	
2	0.11 m	0.07 m	
3	0.25m	0.13 m	Good Weather ,Cloudy Sky ,Good Visibility
4	0.45 m	0.23 m	Wave height 1.0-1.5 m Wind Direction NW Force 10-15
5	0.71 m	0.35 m	Slight Sea
6	1.02 m	0.51 m	
7	1.38 m	0.69 m	
8	1.80 m	0.90 m	
9	2.28 m	1.14 m	
10	2.82 m	1.41 m	
11	3.41 m	1.71 m	
12	4.06 m	2.03 m	
13	4.76 m	2.38 m	

SIGNATURES:	MASTER:	CAPT. M.E. LONGOS	C/OFFICER	ROBERT M. ALIM	2/ OFFICER	R. EVARIEGO	3/ OFFICER	ROLAND S.LEONADO

UNDER KEEL CLEARANCE (UKC) CALCULATION (A practical formula)

PORT: VERACRUZ

CONTROLLING DEPTH (D_c) (Information received from chart)	(mts)	15
CORRECTED FOR THE FOLLOWING:		
a) TIDE (neeps / springs)	(mts)	0.4
b) PAST WEATHER IMPACT IN WATER DEPTH (information received from Pilot or Agent)	(mts)	0
c) PRESENT SEA SATE CONDITION	(mts)	0.5
ACTUAL CONTROLLING DEPTH (D_A)		
DA = DC ± a) ± b) ± c)	(mts)	15.9
Forward Draft ™	(mts)	10
CORRECTED FOR THE FOLLOWING:		
a) TRIM	(mts)	1.5
b) LIST	(mts)	0
c) Squat (as calculated in form N02 – speed @ 8.0 knots)	(mts)	0.58
d) Salinity (basis 1.025 g/cm3)	(mts)	0
MAXIMUM DRAFT CORRECTED (T_C)		
TC = TM ± a) ± b) ± c) ± d)	(mts)	12.08
UNDER KEEL CLEARANCE (UKC) CALCULATION = Actual Controlling Depth – Maximum Draft Corrected = (D_A - T_C)	(mts)	3.82M

For further guidance on the estimation of UKC, refer to IMS Vol.3

CYPRUS SEA LINES CO. LTD.

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PASSAGE PLAN

03-Mar-15

APRAISAL

1. Navigation charts selected from chart catalogue, including:	YES
a. Large scale charts for coastal waters	YES
b. Small scale charts for ocean passages	YES
c. Planning charts	YES
d. Routeing, climatic, pilot and load line zone charts	
2. Publications selected, including:	YES
a. Sailing directions and pilot books	YES
b. Light lists	YES
c. Radio signals	YES
d. Guides to port entry	YES
e. Tide tables and tidal streams	
3. All navigation charts and publications relevant for the passage corrected up to date, including:	YES
a. Ordering of new charts/publications, if necessary	YES
b. Consultation of Notices to mariners	YES
c. Consultation of local area warnings	YES
d. Consultation of Navarea navigational warnings	
4. Following aspects taken into consideration:	YES
a. Ship's departure and arrival draughts	N/A
b. Ship's cargo and any special cargo stowage/carriage restrictions	YES
c. Special ship operational requirements for the passage	
5. Were the following positively checked:	YES
a. Planning charts and publications for advice / recommendations on best suited route	YES
b. Climatologically information for weather characteristics of the sea	YES
c. Navigation charts and publications for landfall features	YES
d. Navigation charts and publications for Ship's Routeing Schemes, Ship Reporting Systems and Vessel Traffic Services (VTS)	YES
e. Weather Routeing contracted for the passage if applicable	
6. Following preparations made for port arrival:	YES
a. Navigation charts and publications studied for pilotage requirements	YES
b. Ship to Shore Master/Pilot Exchange form sent where required	YES
c. Pilot card updated	YES
d. Port guides studied for port information including arrival/berthing restrictions	

CSL VIRGINIA
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