

**PORT OF HOUSTON AUTHORITY
PUBLIC WHARF CHARACTERISTICS**

Revised: 08/06/08

Wharf	Dock Type (Apron width)	Area Sq Feet	Berth Length	Shore Crane Limit (Tons)	Dock Weight Limit (#/ft2)	Dock Elevation above Mean Low Tide	Draft at Mean Low Tide (see special Note)	Sounding Date	Project Depth (in feet)	Rail Car Axle Loading (KIPS)
-------	----------------------------	-----------------	-----------------	-----------------------------------	------------------------------------	---	---	------------------	-------------------------------	---------------------------------------

NORTHSIDE TURNING BASIN

CD 08	Open	93,159	624 Ft	200T	500#	18.17 Ft	33.4 Ft	09/19/07	38.0	55
CD 09	Shed 50'	76,051	555 Ft	200T	500#	17.85 Ft	30.0 Ft	05/15/08	34.0	55
CD 10	Shed 48'	72,687	600 Ft	140T (1)	500#	14.40 Ft	27.9 Ft	05/15/08	33.0	50
CD 11	Shed 30'	61,673	530 Ft	140T (1)	500#	14.62 Ft	27.1 Ft	05/15/08	33.0	50
CD 12	Open	99,198	530 Ft	140T (1)	500#	14.66 Ft	26.0 Ft	05/15/08	33.0	50
CD 13	Shed 30'	63,604	460 Ft	140T (1)	500#	14.54 Ft	30.1 Ft	05/15/08	33.0	50
CD 14	Grain	51,063	480 Ft	140T (1)	500#	14.47 Ft	28.8 Ft	05/15/08	34.0	50
CD 15	Shed 30'	66,614	480 Ft	140T (1)	500#	14.42 Ft	28.5 Ft	05/15/08	34.0	50
CD 16	Open	123,686	600 Ft	300T	1000#	14.47 Ft	34.0 Ft	05/15/08	38.0	64
CD 17	Open	115,450	600 Ft	300T	750#	14.66 Ft	34.1 Ft	05/15/08	38.0	60
CD 18	Shed 52'	100,000	600 Ft	300T	600#	14.87 Ft	33.7 Ft	05/15/08	38.0	55
CD 19	Shed 52'	100,000	577 Ft	300T	600#	14.85 Ft	35.3 Ft	05/15/08	38.0	55
CD 20	Open	168,210	593 Ft	300T	600#	14.76 Ft	36.5 Ft	05/15/08	38.0	57.5
CD 21	Shed 52'	108,000	600 Ft	150T	500#	14.83 Ft	36.7 Ft	05/15/08	38.0	60
CD 22	Shed 52'	108,000	600 Ft	150T	500#	14.81 Ft	36.2 Ft	05/15/08	38.0	60
CD 23	Open	184,030	600 Ft	300T (2)	750#	14.85 Ft	36.0 Ft	05/15/08	38.0	57.5
CD 24	Shed 56'5"	108,000	600 Ft	300T	750#	14.63 Ft	35.8 Ft	05/15/08	38.0	57.5
CD 25	Shed 56'5"	108,000	600 Ft	300T	750#	15.01 Ft	36.0 Ft	05/15/08	38.0	57.5
CD 26	Open	169,530	600 Ft	300T	750#	15.06 Ft	34.8 Ft	05/15/08	38.0	62
CD 27	Shed 60'	105,800	600 Ft	300T	750#	15.17 Ft	33.7 Ft	05/15/08	38.0	62
CD 28	Shed 60'	110,600	600 Ft	300T	750#	15.16 Ft	34.8 Ft	05/15/08	38.0	62
CD 29	Open	146,500	600 Ft	300T	750#	15.22 Ft	33.5 Ft	05/15/08	38.0	60
CD 30	Shed 60'	110,600	600 Ft	300T	750#	15.12 Ft	34.1 Ft	05/15/08	38.0	60
CD 31	Shed 60'	101,000	576 Ft	300T	750#	14.97 Ft	34.4 Ft	05/15/08	38.0	60
CD 32	Open	160,000	806 Ft	300T	1000#	16.67 Ft	35.0 Ft	09/19/07	38.0	80
32A	Backup Area	19.4 Acres		300T	1000#					

(1) Note all cranes on Wharves 10 and 11 must place outriggers on shearwalls (marked), and use steel plates. Also note that there is no load capacity on the backup areas on Wharves 12 to 15. Any crane needing access to the wharf apron at those wharves must use the crossover roads at CD11 or CD16 to gain access to the apron.

(2) Note all 200 to 300 ton cranes on Wharf 23 shall use steel plates under the crane outriggers.

IT IS RECOMMENDED THAT CRANES OVER 250 TONS SET UP WITH THE OUTRIGGERS OVER SHEARWALLS OR BEAMS AT ALL WHARVES

Railcar Axle Loading is based on a single standard 8-axle railcar with a MODEL MK1500-D, (254.8 Kips), CLASS B-B Locomotive. Final approval is required by PHA Engineering Department for all loading requests. Submit requests to PHA Operations Department.

Bunker Wharf	Barge Pipeline		120 Ft	000T	-----	6.00 Ft	28.0 Ft	-----	
--------------	----------------	--	--------	-----------------	-------	---------	---------	-------	--

SOUTHSIDE TURNING BASIN

01E	Pipe line		226 Ft	000T	50#	13.29 Ft	29.9 Ft	05/15/08	34.0
01W	Shed 54'	42,500	601 Ft	000T	(3)	13.38 Ft	28.2 Ft	05/15/08	34.0
02	Open	57,540 ?	521 Ft	000T	(3)	11.78 Ft	28.9 Ft	05/15/08	33.0
03E	Open	53,070	350 Ft	000T	(3)	8.43 Ft	26.6 Ft	05/15/08	33.0
03W	Open	37,971 ?	450 Ft	000T	(3)	8.07 Ft	26.6 Ft	05/15/08	33.0
04E	Shed 27'3"	31,968	493 Ft	000T	(3)	8.31 Ft	22.8 Ft	05/15/08	27.0
04W	Shed 27'3"	17,187	286 Ft	000T	400#	8.21 Ft	22.8 Ft	05/15/08	32.0

(3) No Load Capacity for first 10' of apron / 200# psf on rest of wharf

SOUTHSIDE TURNING BASIN

CD 41	No Cargo	Apron 80'	300 Ft	000T	250#	14.46 Ft	32.0 Ft	10/03/07	32.0
CD 42	No Cargo	Apron 80'	451 Ft	000T	250#	14.49 Ft	30.2 Ft	10/03/07	32.0
CD 43	No Cargo	Apron 80'	451 Ft	000T	250#	14.30 Ft	32.0 Ft	10/03/07	32.0
CD 44	No Cargo	Apron 80'	451 Ft	000T	250#	14.23 Ft	32.0 Ft	10/03/07	32.0
CD 45	No Cargo	Apron 44'6"	523 Ft	000T	250#	14.10 Ft	32.0 Ft	10/03/07	32.0
CD 46	No Cargo	Apron 44'6"	423 Ft	000T	250#	13.83 Ft	32.0 Ft	10/03/07	32.0

SOUTHSIDE TERMINAL

Shed 46		45,467							
CD 47 (4)	Open	Apron 44'6"	451 Ft	000T	250#	13.58 Ft	33.4 Ft	05/15/08	35.0
CD 48 (4)	Open	Apron 44'6"	376 Ft	000T	250#	13.44 Ft	34.3 Ft	05/15/08	35.0

(4) 827 Ft of quay of which 600 ft has been upgraded to 400# per sq ft / 15.5 Ft Elevation. Crane Capacity 25 Ton live load (Maximum)

**PORT OF HOUSTON AUTHORITY
PUBLIC WHARF CHARACTERISTICS**

Revised: 08/06/08

Wharf	Dock Type (Apron width)	Area Sq Feet	Berth Length	Shore Crane Limit (Tons)	Dock Weight Limit (#/ft2)	Dock Elevation above Mean Low Tide	Draft at Mean Low Tide (see special Note)	Sounding Date	Project Depth (in feet)	Rail Car Axle Loading (KIPS)
-------	-------------------------	--------------	--------------	--------------------------	---------------------------	------------------------------------	---	---------------	-------------------------	------------------------------

OLD MANCHESTER TERMINAL

M-1	N/A		N/A	N/A	N/A	-----	----- Ft	-----	-----	
M-2	Shed 20'	87,520	500 Ft	000T	300#	13.30 Ft	33.0 Ft	05/15/08	36.0	
M-3	Pipelines		570 Ft	(5)	500#	13.66 Ft	33.6 Ft	05/15/08	36.0	

(5) Certified for 82 Ton crane lifting 12 Ton load

WOODHOUSE TERMINAL

H-1	Open	96,317	660 Ft	200T	500#	18.76 Ft	39.0 Ft	05/15/08	39.0	
H-2	Shed 80'	66,562	600 Ft	200T	500#	18.80 Ft	35.0 Ft	05/15/08	35.0	
H-3	Shed 80'	68,890	650 Ft	200T	500#	18.12 Ft	35.0 Ft	05/15/08	35.0	
RoRo Dock	Angle 4.06°	Quarter Ramp Elevation: 14.31 Ft			500#	9.30 Ft				
H-4	Grain	N/A	600 Ft +	N/A	N/A	-----	41.1 Ft	05/15/08	42.0	

Permission to use greater than 200 ton cranes at Woodhouse must be approved in advance and waiver signed

JACINTO PORT TERMINAL

JP-1	Open	7.5 acres	636 Ft	300T	1000#	11.79 Ft	39.9 Ft	05/15/08	40.0	
JP-2	Gallery 60'		600 Ft	(6)	780#	11.92 Ft	38.3 Ft	05/15/08	40.0	
JP-3	Shed 60'	82,500	600 Ft	(6)	780#	12.07 Ft	38.0 Ft	05/15/08	40.0	

(6) Crane capacity equals 100 ton load on a 3' x 3' outrigger or 50 ton axle

CARE TERMINAL

JP-4	Open 70'	6 acres	500 Ft	300T	1000#	15.75 Ft	35.1 Ft	05/15/08	36.0	
JP-5	Open 90'	4 acres	618 Ft	300T	1000#	15.97 Ft	36.0 Ft	05/15/08	38.0	

BULK MATERIALS HANDLING PLANT

BP-1	Loader Gantry 675'		800 Ft	Consult Engineering		Contact Kinder Morgan for		42.0
BP-2	T-Head		400 Ft	Consult Engineering		current sounding		42.0

SIMS BAYOU (Operated by Texas Petrochemicals)

Berth A	Ship Dock (Bulk Liquid)		105 Ft	LOA from Head to Stern: 241'		35.0 Ft	07/15/07	40.0
Berth B	Barge Dock (Bulk Liquid)		81 Ft	LOA from Head to Stern: 201'		25.6 Ft	07/15/07	34.0

BARBOURS CUT CONTAINER TERMINAL

C1	Open	28 acres	1000 Ft	200T (7)	1000#	18.00 Ft	Current soundings are available on the Port of Houston Website under Maritime Services / Vessel Traffic / Vessel Schedule (Barbours Cut)	42.0	
C2	Open	24 acres	1000 Ft	200T (7)	1000#	18.00 Ft		42.0	
C3	Open	35 acres	1000 Ft	200T (7)	1000#	18.00 Ft		42.0	
C4	Open	37 acres	1000 Ft	200T (7)	1000#	18.00 Ft		42.0	
C5	Open	36 acres	1000 Ft	200T (7)	1000#	18.00 Ft		42.0	
C6	Open	47.8 acres	1000 Ft	200T (7)	1000#	18.00 Ft		42.0	
C7	Partial Open	Cruise Terminal							
East RoRo	Open	44 acres	N/A	60T	750#	7.00 Ft	Contact Barbours Cut for more information (281) 470-5591	22.0	
LASH 1	T-Head (8)		282 Ft (8)	25T	320#	16.00 Ft		42.0	
	Shed 1	100,000			750#				
	Shed 2	100,000			750#				
	CFS Station	55,000			600#				

(7) Call (281) 470-5591 for Approval of Cranes exceeding 200 T at Barbours Cut

(8) Physical wharf at LASH dock is 282' long. 800' of vessel space available

BAYPORT CONTAINER TERMINAL

T4	Open	50 acres	1000 Ft	200T (9)	1000#	18.00 Ft	Current soundings are available on the Port of Houston Website under Maritime Services / Vessel Traffic / Vessel Schedule (Bayport Terminal)	40.0	
T5	Open	30 acres	1000 Ft	200T (9)	1000#	18.00 Ft		40.0	

(9) Call 281-291-6015 for Approval of Cranes exceeding 200 T at Bayport

Special Note: Current soundings posted are based on the least draft in the series of soundings taken at each facility. Complete sounding charts may be made available upon request. Soundings have been adjusted to reflect clearance at Mean Low Tide. Actual clearance may be different based upon the current tide conditions. Houston Pilots will make the final determination if a vessel can be safely moored at any facility.