

Client Reference	Year	No.	Crane Data		Project Description
			Mfg. Type, Yr	Location	
APL Limited	2010	1	Mitsui, 1987	Dutch Harbor, Alaska	Converted rail span from 24 m to 15 m and transported from Taiwan to Alaska
Fay, Spofford & Thorndike/Massport	2009	3	Paceco	Boston, Massachusetts	Drive changeout for three low profile cranes
Horizon Lines/Matson Navigation/Port Authority of Guam	2008	3	Hitachi	Piti, Guam	Crane raise, drive changeout, and reinforcement for typhoon winds
Trapac	2008	4	Mitsui, 1987	Jacksonville, Florida	Reinforced cranes for high wind loads, and added tie-downs and power conversion
SSA Mexico	2008	3	1 Paceco, 1980 2 Mitsui, 1996	Manzanillo, Colima, Mexico	Changed Paceco crane gage from 50 to 55 ft; reinforced for higher winds, and added tie-downs to all three cranes
SSA Mexico	2007	2	Hyundai, 2000	Manzanillo, Colima, Mexico	Changed gage, added tie-downs, and moved elevator
New York Container Terminal	2007	2	Paceco	Staten Island, New York	Increased lift height by 20 ft
MIT Panama	2005	1	Paceco, 1982	Colon, Panama	Increased lift height by 26 ft
MGM Centerm	2005	2	MGM	Vancouver, Canada	Increased lift height by 20 ft and extended boom by 15 ft
Trapac	2003	1	MES, 1987	Los Angeles, California	Increased lift height by 15 ft and outreach by 30 ft
Bickerton Iron Works	2002	4	IHI A-frame, 1985	Long Beach, California	Increased lift height by 20 ft
DBM Contractors, Inc.	2002	2	Paceco A-frame, 1984	Seattle, Washington	Increased lift height by 20 ft
Robert Reid & Associates	2002	1	IHI A-frame, 1985	Darwin, Australia	Modified rail gage
Virginia Port Authority	2002	1	VIT, 1968	Newport News, Virginia	Increased lift height by 11 ft and lift capacity from 30 LT to 40 LT
Bickerton Iron Works	2001	5	IHI A-frame, 1985	Long Beach, California	Increased lift height by 10 ft
Port of Portland	2000 - 2001	3	Hitachi A-frame, 1973	Portland, Oregon	Increased lift height by 19 ft and increased lifted load due to heavier spreader

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Bickerton Iron Works/ Maher Terminals	2000	1	Paceco A-frame, early 1970s	Elizabeth, New Jersey	Increased lift height by 20 ft
Bickerton Iron Works/ Maher Terminals	2000	2	Paceco low profile, early 1970s	Elizabeth, New Jersey	Increased lift height by 22.5 ft
Bickerton Iron Works/ Maher Terminals	2000	1	Canron low profile, early 1980s	Elizabeth, New Jersey	Increased lift height by 20 ft
CH2M Hill/Jacksonville Port Authority	2000	2	IHI A-frame, 1986 IMPSA A-frame, 1985	Jacksonville, Florida	Increased lift height of both cranes by 12 ft and increased outreach of IHI crane by 20 ft
Norpac Engineering/ Port of Tacoma	1999	1	Sumitomo A-frame, 1985	Tacoma, Washington	Increased lift height by 10 ft and outreach by 20 ft
Robert Reid & Associates	1998	2	Paceco A-frame, 1975 & 1978	Wellington, New Zealand	Study to determine most economic increase in lift height and increased lift height by 10 ft
APL Limited	1998	5	Paceco A-frame, 1984	Seattle, Washington	Increased lift height by 20 ft
Port of Portland	1997	1	Hitachi A-frame, 1973	Portland, Oregon	Increased lift height by 19 ft and outreach by 26 ft; changed rail span from 50 to 100 ft