

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost Cast in Place Concrete Bored Pile (P)

D1500mm, 72m, (Ø)

Unit: 1 nos.

Sheet #: PC 553200

No.	Description	Specification	Unit	Quantity	Unit Price			COMBINED TOTAL COST (VND)			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	
1	Foreman	Local 1*(r*d1*1.0)	M/day	3.16	0	0.00	146,392	0.00	0.00	462,599	L 101000
2	Skilled Labor	Local 1*(r*d1*1.0)	M/day	3.16	0	0.00	118,898	0.00	0.00	375,718	L 104000
3	Rigger	Local 1*(r*d1*2.0)	M/day	6.32	0	0.00	118,898	0.00	0.00	751,435	L 105000
4	Common Labor	Local 1*(r*d1*2.0)	M/day	6.32	0	0.00	58,571	0.00	0.00	370,801	L 103000
5	Press in pile driver	(1750mm 11.2t, 75kW 1*(1.51*r*s*d1))	day in demand	4.77	27,352	0.00	0	0.00	0.00	17,033,453	EL 131000
6	Reverse Circulation Drill	1*(1.51*r*s*d1)	day in demand	3.82	29,344	0.00	0	0.00	0.00	14,634,494	EL 132000
7	Crawler Crane	40t 1*(r*e1*d1)	day	3.13	0	0.00	2,059,353	0.00	0.00	6,445,775	EL 118500
8	Crawler Crane	40t 1*(r*e2*d1)	day	2.15	0	0.00	2,059,353	0.00	0.00	4,427,609	EL 118500
9	Backhoe	0.6m3 1*(1.09*r*s*d1)	day	2.76	0	0.00	970,542	0.00	0.00	2,678,696	EL 101000
10	Miscellaneous Fee	30 % of above			0					13,250,565	
11	Concrete Production Class - D	300kg/cm2 Q=π/4*D**2*L*(1+)	m3	142.50	565	0.00	355,059	1.82	0.00	64,764,162	PC 211300
12	Concrete Placing (Plain, RC Structure)	Pump (Less than 50m3/day) Q=π/4*D**2*L*(1+)	m3	142.50	532	0.00	16,398	0.00	0.00	12,234,132	PC 221100
13	Concrete Transportation	Truck Mixer (3.5km) Q=π/4*D**2*L*(1+)	m3	142.50	441	0.00	13,013	0.00	0.00	10,058,856	PC 251800
14	Rebar Fabrication of Pile	30m3 Q*(1+0.06)*(80kg/m)	t	10.79	0	0.00	297,337	265.42	0.00	43,591,132	PC 452000
15	Slush Tank (Slush Container)	30m3 1*(1.51*r*s*d1)	day in demand	3.82	1,146	0.00	0	0.00	0.00	571,572	EL 132500
16	Loading, Transportation (L = 2.0 km)	30m Q=π/4*D**2*L*(1+)	m3	142.50	0	0.00	8,427	0.00	0.00	1,200,848	PC 135500
17	Stand Pipe	D1700mm 30m	m	30.00	0	293.70	0	0.00	0.00	124,235,100	M 150802
Summary											
per nos.											
REMARKS											

r=1, d1=3.16, e1=0.99, e2=0.68, s=0.8, D=1.5m, L=72m, b=0.12

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost Cast in Place Concrete Bored Pile (P) D1500mm, 73m, (73) Unit: 1 nos. Sheet #: PC 553211

No.	Description	Specification	Unit	Quantity	Unit Price			COMBINED TOTAL COST (VND)			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	
1	Foreman	Local	M/day	3.16	0	0.00	146,392	0.00	0.00	462,599	L 101000
2	Skilled Labor	Local	M/day	3.16	0	0.00	118,898	0.00	0.00	375,718	L 104000
3	Rigger	Local	M/day	6.32	0	0.00	118,898	0.00	0.00	751,435	L 105000
4	Common Labor	Local	M/day	6.32	0	0.00	58,671	0.00	0.00	370,801	L 103000
5	Press in pile driver	f1750mm	day in demand	4.77	27,352	0.00	0	0.00	0.00	17,033,453	EL 131000
6	Reverse Circulation Drill	11.2t, 75kW	day in demand	3.82	29,344	0.00	0	0.00	0.00	14,634,494	EL 132000
7	Crawler Crane	40t	day	3.13	0	0.00	2,059,353	0.00	0.00	6,445,775	EL 118500
8	Crawler Crane	40t	day	2.15	0	0.00	2,059,353	0.00	0.00	4,427,609	EL 118500
9	Backhoe	0.6m3	day	2.76	0	0.00	970,542	0.00	0.00	2,678,696	EL 101000
10	Miscellaneous Fee	30 % of above			0					13,350,565	
11	Concrete Production Class - D	300kgf/cm2	m3	144.48	565	0.00	355,059	1.82	0.00	65,663,900	PC 211300
12	Concrete Placing (Plain, RC Structure)	Pump (Less than 50m3/day)	m3	144.48	532	0.00	16,298	0.00	0.00	12,404,075	PC 221100
13	Concrete Transportation	Truck Mixer (3.5km)	m3	144.48	441	0.00	13,013	0.00	0.00	10,198,596	PC 251800
14	Rebar Fabrication of Pile	30m3	1	9.57	0	0.00	297,537	265.42	0.00	38,562,416	PC 452000
15	Slush Tank (Slush Container)	30m3	day in demand	3.82	1,146	0.00	0	0.00	0.00	571,572	EL 132500
16	Loading, Transportation (L = 2.0 km)	D1700mm	m3	144.48	0	0.00	8,427	0.00	0.00	1,217,533	PC 135500
17	Stand Pipe	D1700mm	m	30.00	0	293.70	0	0.00	0.00	124,235,100	M 150802
Summary											
per nos. 313,484,337											

REMARKS r=1, d1=3.16, e1=0.99, e2=0.68, s=0.8, D=1.5m, L=73m, b=0.12

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost Cast in Place Concrete Bored Pile (P) D1500mm, 73m, (80)

Unit: 1 nos.

Sheet # PC 553212

No.	Description	Specification	Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)		Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)			
1	Foreman	Local 1*(r*d1*1.0)	M/day	3.16	0	0.00	146,392	0.00	462,599	L 131000	
2	Skilled Labor	Local 1*(r*d1*1.0)	M/day	3.16	0	0.00	118,898	0.00	375,718	L 104000	
3	Rigger	Local 1*(r*d1*2.0)	M/day	6.32	0	0.00	118,898	0.00	751,435	L 105000	
4	Common Labor	Local 1*(r*d1*2.0)	M/day	6.32	0	0.00	58,671	0.00	370,801	L 103000	
5	Press in pile driver	11750mm 1*(1.51*r*s*d1)	day in demand	4.77	27,352	0.00	0	0.00	17,033,453	EL 131000	
6	Reverse Circulation Drill	11.2t, 75kW 1*(1.51*r*s*d1)	day in demand	3.82	29,344	0.00	0	0.00	14,634,494	EL 132000	
7	Crawler Crane	40t 1*(r*e1*d1)	day	3.13	0	0.00	2,059,353	0.00	6,445,775	EL 118500	
8	Crawler Crane	40t 1*(r*e2*d1)	day	2.15	0	0.00	2,059,353	0.00	4,427,609	EL 118500	
9	Backhoe	0.6m3 1*(1.09*r*s*d1)	day	2.76	0	0.00	970,542	0.00	2,678,696	EL 101000	
10	Miscellaneous Fee	30 % of above			0		0		13,350,565		
11	Concrete Production Class - D	300kg/cm2 Q=π/4*D**2*L*(1+)	m3	144.48	565	0.00	355,059	1.82	65,663,900	PC 211300	
12	Concrete Placing (Plain, RC Structure)	Pump (Less than 50m3/day) Q=π/4*D**2*L*(1+)	m3	144.48	532	0.00	16,398	0.00	12,404,075	PC 221100	
13	Concrete Transportation	Truck Mixer (3.5km) Q=π/4*D**2*L*(1+)	m3	144.48	441	0.00	13,013	0.00	10,198,596	PC 251800	
14	Rebar Fabrication of Pile	Q*(1+0.06)*(80kg/t)	1	10.94	0	0.00	297,537	265.42	44,197,084	PC 452000	
15	Slush Tank (Slush Container)	30m3 1*(1.51*r*s*d1)	day in demand	3.82	1,146	0.00	0	0.00	571,572	EL 132500	
16	Loading, Transportation (L = 2.0 km)	Q=π/4*D**2*L*(1+)	m3	144.48	0	0.00	8,427	0.00	1,217,533	PC 135500	
17	Stand Pipe	D1700mm 30m	m	30.00	0	293.70	0	0.00	124,235,100	M 150802	
Summary											
PER nos.											
REMARKS											
r=1, d1=3.16, c1=0.99, c2=0.68, s=0.8, D=1.5m, L=73m, b=0.12											

1US\$=108JP Yen=14,100VND

No.	Description	Specification	Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
1	Foreman	1*(r*d1*1.0)	M/day	3.16	0	0.00	146,392	0.00	462,599	L 101000
2	Skilled Labor	1*(r*d1*1.0)	M/day	3.16	0	0.00	118,898	0.00	375,718	L 104000
3	Rigger	1*(r*d1*2.0)	M/day	6.32	0	0.00	118,898	0.00	751,435	L 105000
4	Common Labor	1*(r*d1*2.0)	M/day	6.32	0	0.00	58,671	0.00	370,801	L 103000
5	Press in pile driver	1*(1.51*r*s*d1)	day in demand	4.77	27,352	0.00	0	0.00	17,033,453	EL 131000
6	Reverse Circulation Drill	1*(1.51*r*s*d1)	day in demand	3.82	29,344	0.00	0	0.00	14,634,494	EL 132000
7	Crawler Crane	1*(r*e1*d1)	day	3.13	0	0.00	2,059,353	0.00	6,445,775	EL 118500
8	Crawler Crane	1*(r*e2*d1)	day	2.15	0	0.00	2,059,353	0.00	4,427,609	EL 118500
9	Backhoe	1*(1.09*r*s*d1)	day	2.76	0	0.00	970,542	0.00	2,678,696	EL 101000
10	Miscellaneous Fee	30 % of above			0				13,350,565	
11	Concrete Production Class - D	300kg/cm2	m3	148.44	565	0.00	353,059	1.82	67,463,778	PC 211300
12	Concrete Placing (Plain, RC Structure)	Pump(Less than 50m3/day)	m3	148.44	532	0.00	16,398	0.00	12,744,091	PC 221100
13	Concrete Transportation	Truck Mixer (3.5km)	m3	148.44	441	0.00	13,013	0.00	10,478,078	PC 251800
14	Rebar Fabrication of Pile	Q*(1+0.06)*(70kg/m)	l	9.83	0	0.00	297,537	265.42	39,712,817	PC 452000
15	Slush Tank (Slush Container)	1*(1.51*r*s*d1)	day in demand	3.82	1,146	0.00	0	0.00	571,572	EL 132500
16	Loading, Transportation (L = 2.0 km)	Q=7/4*D**2*L*(1+30m)	m3	148.44	0	0.00	8,427	0.00	1,250,904	PC 135500
17	Stand Pipe		m	30.00	0	293.70	0	0.00	124,235,100	M 150802
Summary										
per nos.										
REMARKS										

r=1, d1=3.16, e1=0.99, e2=0.68, s=0.8, D=1.5m, L=75m, b=0.12

316,987,486

316,987,486

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost

D1500mm, 75m, (80)

Unit: 1

nos.

Cast in Place Concrete Bored Pile (P)

Sheet #: PC

53222

No.	Description	Specification	Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
1	Foreman	Local	M/day	3.16	0	0.00	146,392	0.00	462,599	L 101000
2	Skilled Labor	Local	M/day	3.16	0	0.00	118,898	0.00	375,718	L 104000
3	Rigger	Local	M/day	6.32	0	0.00	118,898	0.00	751,435	L 105000
4	Common Labor	Local	M/day	6.32	0	0.00	58,671	0.00	370,801	L 103000
5	Press in pile driver	11750mm	day in demand	4.77	27,352	0.00	0	0.00	17,033,453	EL 131000
6	Reverse Circulation Drill	11.2t, 75KW	day in demand	3.82	29,344	0.00	0	0.00	14,634,494	EL 132000
7	Crawler Crane	40t	day	3.13	0	0.00	2,059,353	0.00	6,445,775	EL 118500
8	Crawler Crane	40t	day	2.15	0	0.00	2,059,353	0.00	4,427,609	EL 118500
9	Backhoe	0.6m3	day	2.76	0	0.00	970,542	0.00	2,678,696	EL 101000
10	Miscellaneous Fec	30 % of above			0		0		13,350,565	
11	Concrete Production Class - D	300kg/cm2	m3	148.44	565	0.00	355,059	1.82	67,463,778	PC 211300
12	Concrete Placing (Plain, RC Structure)	Pump (Less than 50m3/day)	m3	148.44	532	0.00	16,398	0.00	12,744,091	PC 221100
13	Concrete Transportation	Truck Mixer (3.5km)	m3	148.44	441	0.00	13,013	0.00	10,478,078	PC 251800
14	Rebar Fabrication of Pile	Q(1+0.06)*(80kg/r)	t	11.24	0	0.00	297,537	265.42	45,409,128	PC 452000
15	Slush Tank (Slush Container)	30m3	day in demand	3.82	1,146	0.00	0	0.00	571,572	EL 132500
16	Loading, Transportation (L = 2.0 km)	Q=π/4*D**2*L*(1+)	m3	148.44	0	0.00	8,427	0.00	1,250,904	PC 135500
17	Stand Pipe	D1700mm	m	30.00	0	293.70	0	0.00	124,235,100	M 150802
Summary										
per nos.										
REMARKS										

r=1, d1=3.16, c1=0.99, c2=0.68, s=0.8, D=1.5m, L=75m, b=0.12

322,683,797

322,683,797

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Cast in Place Concrete Bored Pile (P)

Unit: 1 nos
Sheet #: PC 55-4010

L=80m, D=2000mm, A

No.	Description	Specification	Unit	Quantity	Unit Price			COMBINED TOTAL			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	
1	Foreman	Local	M/day	3.16	0	0.00	146,392	0.00	0.00	462,599	L 101000
2	Skilled Labor	Local	M/day	3.16	0	0.00	118,898	0.00	0.00	375,718	L 104000
3	Rigger	Local	M/day	6.32	0	0.00	118,898	0.00	0.00	751,435	L 105000
4	Common Labor	Local	M/day	6.32	0	0.00	58,671	0.00	0.00	370,801	L 103000
5	Press in pile driver	11.2t, 75kW	day in demand	4.77	27,352	0.00	0	0.00	0.00	17,033,453	EL 131000
6	Reverse Circulation Drill	40t	day in demand	3.82	29,344	0.00	0	0.00	0.00	14,634,494	EL 132000
7	Crawler Crane	40t	day	3.13	0	0.00	2,059,353	0.00	0.00	6,445,775	EL 118500
8	Crawler Crane	40t	day	2.15	0	0.00	2,059,353	0.00	0.00	4,427,609	EL 118500
9	Backhoe	0.6m3	day	2.76	0	0.00	970,542	0.00	0.00	2,678,696	EL 101000
10	Miscellaneous Etc	30 % of above			0	0.00	0	0.00	0.00	13,350,565	
11	Concrete Production Class - D	300kgf/cm2	m3	281.49	565	0.00	355,059	1.82	0.00	127,932,946	PC 211300
12	Concrete Placing (Plain, RC Structure)	Pump (Less than 50m3/day)	m3	281.49	532	0.00	16,398	0.00	0.00	24,166,959	PC 221100
13	Concrete Transportation	Truck Mixer (3.5km)	m3	281.49	441	0.00	13,013	0.00	0.00	19,869,804	PC 251800
14	Rebar Fabrication of Pile	Q*(1+0.06)*(100kg)	t	26.64	0	0.00	297,537	265.42	0.00	107,624,525	PC 452000
15	Slush Tank (Slush Container)	30m3	day in demand	3.82	1,146	0.00	0	0.00	0.00	571,572	EL 132500
16	Loading, Transportation (L= 2.0 km)	D2200mm	m3	281.49	0	0.00	8,427	0.00	0.00	2,372,116	PC 135500
17	Stand Pipe	30m	m	30.00	0	491.87	0	0.00	0.00	208,061,010	M 150803
Summary											
										551,130,077	
per nos											
REMARKS											

r=1, d1=3.16, e1=0.99, e2=0.68, s=0.8, D=2m, L=80m, b=0.12

CAN THO BRIDGE CONSTRUCTION PROJECT

Process Cost Cast in Place Concrete Bored Pile (P) L=70m, D=2000mm A. Unit: 1 Sheet #: PC nos 554020

No.	Description	Specification	Unit	Quantity	Unit Price				COMBINED TOTAL COST (VND)			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	
1	Foreman	Local	M/day	3.16	0	0.00	146,392	0.00	462,599	0.00	101000	L
2	Skilled Labor	Local	M/day	3.16	0	0.00	118,898	0.00	375,718	0.00	104000	L
3	Rigger	Local	M/day	6.32	0	0.00	118,898	0.00	751,435	0.00	105000	L
4	Common Labor	Local	M/day	6.32	0	0.00	58,671	0.00	370,801	0.00	105000	L
5	Press in pile driver	11750mm	day in demand	4.77	27,352	0.00	0	0.00	17,033,453	0.00	131000	EL
6	Reverse Circulation Drill	11.2t, 75kW	day in demand	3.82	29,344	0.00	0	0.00	14,634,494	0.00	132000	EL
7	Crawler Crane	40t	day	3.13	0	0.00	2,059,353	0.00	6,445,775	0.00	118500	EL
8	Crawler Crane	40t	day	2.15	0	0.00	2,059,353	0.00	4,427,609	0.00	118500	EL
9	Backhoe	0.6m3	day	2.76	0	0.00	970,542	0.00	2,678,696	0.00	101000	EL
10	Miscellaneous Fee	30 % of above			0		0		13,350,565			
11	Concrete Production Class - D	300kg/cm2	m3	246.30	565	0.00	355,059	1.82	111,939,750	0.00	211300	PC
12	Concrete Placing (Plain, RC Structure)	Pump (Less than 50m3/day)	m3	246.30	532	0.00	16,398	0.00	21,145,783	0.00	221100	PC
13	Concrete Transportation	Truck Mixer (3.5km)	m3	246.30	441	0.00	13,013	0.00	17,385,785	0.00	251800	PC
14	Rebar Fabrication of Pile	Q*(1+0.06)*(100kg)	t	23.31	0	0.00	297,537	365.42	94,171,441	0.00	452000	PC
15	Slush Tank (Slush Container)	30m3	day in demand	3.82	1,146	0.00	0	0.00	571,572	0.00	132500	EL
16	Loading, Transportation (L = 2.0 km)	Q=π/4*D²*L*(1+30m)	m3	246.30	0	0.00	8,427	0.00	2,075,570	0.00	135500	PC
17	Stand Pipe	D2200mm	m	30.00	0	491.87	0	0.00	208,061,010	0.00	150803	M
Summary												
per nos												
REMARKS												

r=1, d1=3.16, e1=0.99, e2=0.68, s=0.8, D=2m, L=70m, b=0.12

