



Log of Pile Driving

Project Information

Project No.:	H.009498
Project:	LA 121 Calcasieu River Bridges
Client:	LADOTD
Contractor:	Brown Industrial
Parish:	Rapides

Personnel/Time

Inspector:	Jess Thurman		
Firm:	LADOTD	Date:	08/15/24
Begin Drive:	10:55 AM	End:	12:25 PM

Pile Information

Bent No.:	2	Pile:	B
Length:	105	ft	
Pile Type:	30" Square PPC Voided		
Pile ID:			
Hammer:	APE D125-32		
Cushion:	12" Plywood		
Prebore Depth:	35.00	ft	Auger Dia. 24.00 in

Elevations

* D = Design, A = As-Built, ML = Mudline

Template:	159.01	ft	Ref:	158.01	ft
Water:	153.00	ft	ML:	123.00	ft
D Cutoff:	161.76	ft	Tip:	56.76	ft
A Cutoff:	161.80	ft	Tip:	56.80	ft
D Penetration Below Mudline:	83.24		ft		
A Penetration Below Mudline:	83.20		ft		

Restrikes

* Report individual set per restrike inch

Restrike 1	Date:	08/15/24	Set:	6.00	in
	Time:	1:30 PM	Blows:	20	
Restrike 2	Date:	08/16/24	Set:	3.00	in
	Time:	1:30 PM	Blows:	14	
Inch	RS 1 (bl/in)	RS 2 (bl/in)			
1"	4	5			
2"	3	5			
3"	3	4			
4"	3				
5"	4				
6"	3				

Remarks

Started driving in FS1
Depth = 61 went to FS2
Depth = 72 went to FS3
Depth = 90 went to FS4
Stopped to change cushion @ 12:15/Restarted @ 12:30

Driving Log

WP = Weight of pile, WH = Weight of hammer + pile, PD = Predrill

Depth* (ft)	Resist (bl/ft)	Stroke (ft)	Depth (ft)	Resist (bl/ft)	Stroke (ft)	Depth (ft)	Resist (bl/ft)	Stroke (ft)
1	↑		51	20	7.0	101	75	10.5
2			52	23	7.2	102	70	10.4
3			53	25	7.3	103		
4			54	20	7.0	104		
5			55	28	7.1	105		
6			56	30	7.5	106		
7			57	39	7.4	107		
8			58	46	7.6	108		
9			59	55	7.5	109		
10			60	57	7.5	110		
11	↓		61	37*	8.3	111		
12			62	34	8.3	112		
13			63	36	8.4	113		
14			64	39	8.5	114		
15			65	43	8.1	115		
16		PD	66	44	8.6	116		
17			67	40	8.3	117		
18			68	48	8.2	118		
19			69	50	8.9	119		
20			70	53	8.6	120		
21	↓		71	54	8.8	121		
22			72	42*	9.6	122		
23			73	45	9.4	123		
24			74	46	9.7	124		
25			75	41	9.6	125		
26			76	38	9.0	126		
27			77	47	9.5	127		
28			78	44	9.7	128		
29			79	44	9.6	129		
30			80	46	9.2	130		
31	↓		81	45	9.7	131		
32			82	45	9.2	132		
33			83	45	9.5	133		
34			84	42	9.5	134		
35			85	48	9.3	135		
36		WP	86	49	9.4	136		
37		↓	87	53	9.5	137		
38		WH	88	56	9.4	138		
39			89	58	9.6	139		
40			90	48*	10.2	140		
41	↓		91	45	10.8	141		
42			92	44	10.4	142		
43			93	48	10.6	143		
44			94	50	10.8	144		
45			95	53	10.5	145		
46			96	54	10.4	146		
47			97	58	10.3	147		
48			98	60	10.5	148		
49			99	65	10.2	149		
50			100	68	10.1	150		

*Depth is how much pile is below the reference elevation