

**(BR-2-75) Pile Driving Log**



Project No: 10-3000		County-Route-Section: CUY-90-14.90	
Bridge No: CUY-90-1651R <i>BRIDGE 6</i>			
SFN: <i>FORWARD Abutment</i>			
Total Drive Length: <i>85'</i>		Final Tip Elevation: <i>586 ±</i>	
Substructure Unit: <i>MONUMENT</i>	Date Driven: <i>12/16/2011</i>	Pile Number: <i>57</i>	
Pile Type: <i>14" OD. CLOSED END</i>	Wall Thickness: <i>.312"</i>	Hammer: <i>D-30</i>	
Required Ultimate Bearing: <i>343 KIPS</i>	Batter: <i>-</i>	Drop Hammer Ram Weight: <i>6615</i>	
Cutoff Elevation: <i>9:55 AM</i>	Ground Elevation: <i>671 ±</i>	No. of Splices: <i>1</i>	

Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/ft	Stroke or Pressure
50	11		84	20		45		
51	12		85	20	27.75	46		<i>INSPECT WELD</i>
52	13		86		seconds	47	10	
53	13		87		@	48	10	
54	15		88		20	49	12	
55	15		89		BLOWS	123		
56	17		90			124		
57	16		91			125		
58	16		92		STROKE 7.41'	126		
59	17		93			127		
60	22		94			128		
61	28		95			129		
62	33		96			130		
63	37		97			131		
64	33		98			132		
65	34	28.10	99			133		
66	28		100			134		
67	22		101			135		
68	19		102			136		
69	20		103			137		
70	20		104			138		
71	19		105			139		
72	19		106			140		
73	19		107			141		
74	18		108			142		
75	18		109			143		
76	17		110			144		
77	18		111			145		
78	18		112			146		
79	17		113			147		
80	17		114			148		
81	18		115			149		
82	19		116			150		
83	20		117			151		

*1<sup>st</sup> PIPE: 45'*  
*2<sup>nd</sup> PIPE: 45'*

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(BR-2-75) Pile Driving Log



Project No: 10-3000		County-Route-Section: CUY-90-14.90	
Bridge No: CUY-90-1651R BRIDGE 6			
SFN: FORWARD ABUTMENT			
Total Drive Length: 85'		Final Tip Elevation: 586±	
Substructure Unit: MONUMENT	Date Driven: 12/16/2011	Pile Number: 58	
Pile Type: 14" O.D. CLOSED END	Wall Thickness: .312"	Hammer: D-30	
Required Ultimate Bearing: 343 KIPS	Batter: —	Drop Hammer Ram Weight: 6615	
Cutoff Elevation:	Ground Elevation: 671±	No. of Splices: 1	

Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/ft	Stroke or Pressure
50	12		84	26		45		
51	12		85	27	27.97	46		INSPECT WELD
52	14		86		Seconds	47	10	
53	15		87		@	48	11	
54	17		88		20	49	11	
55	19		89		BLOWS	123		
56	20		90			124		
57	20		91	STROKE	7.54'	125		
58	21		92			126		
59	28		93			127		
60	31		94			128		
61	30		95			129		
62	22		96			130		
63	22	27.81	97			131		
64	20		98			132		
65	16		99			133		
66	17		100			134		
67	19		101			135		
68	18		102			136		
69	18		103			137		
70	21		104			138		
71	21		105			139		
72	22		106			140		
73	21		107			141		
74	22		108			142		
75	22		109			143		
76	20		110			144		
77	20		111			145		
78	19		112			146		
79	19		113			147		
80	18		114			148		
81	20		115			149		
82	28		116			150		
83	29		117			151		

1st PIPE: 45'  
2nd PIPE: 45'

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(BR-2-75) Pile Driving Log



Project No: 10-3000		County-Route-Section: CUY-90-14.90	
Bridge No: CUY-90-1651R BRIDGE 6 (Forward Abutment)		7.3' AVG. STROKE HEIGHT	
SFN: MONUMENT PILES CIP			
Total Drive Length: 85'		Final Tip Elevation: 5862	
Substructure Unit: MONUMENT	Date Driven: 12/13/11	Pile Number: 59	
Pile Type: 14" OD CLOSED END	Wall Thickness: .312"	Hammer: D-30	
Required Ultimate Bearing: 343 KIPS	Batter: -	Drop Hammer Ram Weight: 6615	
Cutoff Elevation:	Ground Elevation: 6715	No. of Splices: 1	

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TONS  
343

Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/ft	Stroke or Pressure
50	10		84	23		118		
51	10		85	23		119		
52	11		86			120		
53	14		87			121		
54	15		88			122		
55	19		89			123		
56	19		90			124		
57	20		91			125		
58	20		92			126		
59	21		93			127		
60	25		94			128		
61	31		95			129		
62	33		96			130		
63	32		97			131		
64	25		98			132		
65	22		99			133		
66	20		100			134		
67	19		101			135		
68	20		102			136		
69	18		103			137		
70	19		104			138		
71	21		105			139		
72	19		106			140		
73	21		107			141		
74	21		108			142		
75	21		109			143		
76	20		110			144		
77	20		111			145		
78	20		112			146		
79	21		113			147		
80	22		114			148		
81	23		115			149		
82	22		116			150		
83	25		117			151		

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(BR-2-75) Pile Driving Log



Project No: 10-3000		County-Route-Section: CUY-90-14.90	
Bridge No: CUY-90-1651R Bridge 6 (FORWARD ABUTMENT)		SFN:	
Total Drive Length: 85'		Final Tip Elevation: 586±	
Substructure Unit: MONUMENT	Date Driven: 12/16/2011	Pile Number: 60	
Pile Type: 14" OD. CLOSED END.	Wall Thickness: .312"	Hammer: D-30	
Required Ultimate Bearing: 343 KIPS	Batter: -	Drop Hammer Ram Weight: 6615	
Cutoff Elevation: 1149am	Ground Elevation: 671±	No. of Splices: 1	

Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/Ft	Stroke or Pressure	Penetration	Blows/ft	Stroke or Pressure
50	13		84	23	27.69	45		
51	14		85	19	seconds	46		INSPECT WELD
52	15		86		(a)	47	10	
53	15		87		20	48	12	
54	20		88		BLOWS	49	13	
55	22		89			123		
56	22		90	STROKE	7.38'	124		
57	22		91			125		
58	20		92			126		
59	21		93			127		
60	28		94			128		
61	30		95			129		
62	27		96			130		
63	24		97			131		
64	21		98			132		
65	19		99			133		
66	19		100			134		
67	16		101			135		
68	17		102			136		
69	19		103			137		
70	19		104			138		
71	21		105			139		
72	21		106			140		
73	22		107			141		
74	21		108			142		
75	21		109			143		
76	21		110			144		
77	19		111			145		
78	21		112			146		
79	21		113			147		
80	21		114			148		
81	19		115			149		
82	21	27.44	116			150		
83	20		117			151		

1st PIPE: 45'  
2nd PIPE: 45'

X