



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

January 10, 1978

Mr. William E. Page
Construction Engineer
State Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)28
Mobile-Baldwin Counties

Dear Sir:

Attached are four (4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven on the above referenced project in bents as listed below:

Bents 14 through 65 Eastbound Bridge 11654.5
Bents 5 through 16 Westbound Bridge 2208.0

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: *T. G. Drinkard*
T. G. Drinkard
Division Construction Engineer

JSH:lc
Attachment
cc: Mr. D. C. Collins
Mr. R. E. Jaye
File

STATE ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
							BENT	14E				Contr. Pile#		
8/24/77	14E	1	92	92	0	0	92	0	75,000	115	74	2996	367.11	18
8/24/77	14E	2	92	92	0	0	92	0	75,000	89	74	2295	319.42	18
Total				184	0	0	184							
							BENT	15E						
10/7/77	15E	1	92	92	0	0	92	0	75,000	100	74	2403	340.91	18
10/7/77	15E	2	92	92	0	0	92	0	75,000	91	74	2405	323.55	18
Total				184	0	0	184							
							BENT	16E						
10/7/77	16E	1	92	92	0	0	92	0	75,000	163	74	2404	432.02	18
10/7/77	16E	2	92	92	0	0	92	0	75,000	92	74	2402	325.52	18
Total				184	0	0	184							
							BENT	17E						
10/7/77	17E	1	92	92	0	0	92	0	75,000	104	74	2401	348.35	18
10/7/77	17E	2	92	92	0	0	92	0	75,000	125	74	2397	382.65	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct R. E. Jaya Project Engineer Approved _____ Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE · ALABAMA HIGHWAY DEPARTM. **7**
 DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
 0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Com-puted Bearing	CutO to Group
									Energy Delivered	No. Blows				
						BENT	18E					Contr. Pile#		
10/7/77	18E	1	92	92	0	0	92	0	75,000	280	74	2400	525.21	18
10/7/77	18E	2	92	92	0	0	92	0	75,000	200	74	2398	468.75	18
Total				184	0	0	184							
						BENT	19E							
10/10/77	19E	1	92	92	0	0	92	0	75,000	160	74	2419	428.57	18
10/10/77	19E	2	92	92	0	0	92	0	75,000	116	74	2399	368.73	18
Total				184	0	0	184							
						BENT	20E							
10/10/77	20E	1	92	92	0	0	92	0	75,000	198	74	2424	467.00	18
10/10/77	20E	2	92	92	0	0	92	0	75,000	113	74	2421	363.90	18
Total				184	0	0	184							
						BENT	21E							
10/12/77	21E	1	92	92	0	0	92	0	75,000	94	74	2423	329.53	18
10/12/77	21E	2	92	92	0	0	92	0	75,000	95	74	2418	331.42	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division 9 Const. Engr.

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 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
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STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429.22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou
									Energy Delivered	No. Blows				
							BENT	22E				Contr. Pile#		
10/12/77	22E	1	92	92	0	0	92	0	75,000	88	74	2420	317.39	18
10/12/77	22E	2	92	92	0	0	92	0	75,000	96	74	2422	333.33	18
Total				184	0	0	184							
							BENT	23E						
10/12/77	23E	1	92	92	0	0	92	0	75,000	122	74	2412	378.21	18
10/13/77	23E	2	92	92	0	0	92	0	75,000	88	74	2411	317.39	18
Total				184	0	0	184							
							BENT	24E						
10/12/77	24E	1	92	92	0	0	92	0	75,000	201	74	2416	469.63	18
10/13/77	24E	2	92	92	0	0	92	0	75,000	169	74	2414	438.60	18
Total				184	0	0	184							
							BENT	25E						
10/13/77	25E	1	92	92	0	0	92	0	75,000	197	74	2417	466.13	18
10/13/77	25E	2	92	92	0	0	92	0	75,000	187	74	2413	457.04	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EB B

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
8/0

Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer.

Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grot.
									Energy Delivered	No. Blows				
						BENT 26E						Contr. Pile#		
10/13/77	26E	1	92	92	0	0	92	0	75,000	89	74	2436	319.42	18
10/13/77	26E	2	92	92	0	0	92	0	75,000	127	74	2415	385.80	18
Total				184	0	0	184							
						BENT 27E								
10/14/77	27E	1	92	92	0	0	92	0	75,000	94	74	2432	329.53	18
10/14/77	27E	2	92	92	0	0	92	0	75,000	98	74	2434	337.23	18
Total				184	0	0	184							
						BENT 28E								
10/14/77	28E	1	92	92	0	0	92	0	75,000	92	74	2425	325.52	18
10/14/77	28E	2	92	92	0	0	92	0	75,000	241	74	2438	501.00	18
Total				184	0	0	184							
						BENT 29E								
10/14/77	29E	1	92	92	0	0	92	0	75,000	105	74	2429	350.14	18
10/14/77	29E	2	92	92	0	0	92	0	75,000	120	74	2427	375.00	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct R-E Jay Project Engineer Approved _____ Division Engineer Const. Engr.

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Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between Fast Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
8/0 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou
									Energy Delivered	No. Blows				
						BENT	30E					Contr. Pile #		
10/14/77	30E	1	92	92	0	0	92	0	75,000	102	74	2426	344.67	18
10/14/77	30E	2	92	92	0	0	92	0	75,000	120	74	2428	375.00	18
Total				184	0	0	184							
						BENT	31E							
10/19/77	31E	1	92	92	0	0	92	0	75,000	150	74	2449	416.67	18
10/19/77	31E	2	92	92	0	0	92	0	75,000	192	74	2431	461.54	18
Total				184	0	0	184							
						BENT	32E							
10/19/77	32E	1	92	92	0	0	92	0	75,000	192	74	2433	461.54	18
10/19/77	32E	2	92	92	0	0	92	0	75,000	175	74	3430	445.10	18
Total				184	0	0	184							
						BENT	33E							
10/20/77	33E	1	92	92	0	0	92	0	75,000	110	74	2445	358.85	18
1-/20/77	33E	2	92	92	0	0	92	0	75,000	107	74	2446	353.61	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct P. E. Jay Project Engineer Approved _____ Division Const. Engr.

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Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28
 Road between East Tunnel Interchange and Spanish Fort
 Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
870 Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
						BENT	34 EBB					Contr. Pile#		
10/20/77	34E	1	92	92	0	0	92	0	75,000	190	74	2447	469.84	18
10/20/77	34E	2	92	92	0	0	92	0	75,000	140	74	2435	403.88	18
Total				184	0	0	184							
						BENT	35 EBB							
10/20/77	35E	1	92	92	0	0	92	0	75,000	117	74	2448	370.37	18
10/20/77	35E	2	92	92	0	0	92	0	75,000	108	74	2437	355.28	18
Total				184	0	0	184							
						BENT	36 EBB							
10/20/77	36E	1	92	96	0	0	96	0	75,000	89	78	2440	319.42	18
10/20/77	36E	2	92	96	0	4.0	92	0	75,000	140	74	2443	403.88	18
Total				192	0	4.0	188							
						BENT	37 EBB							
10/21/77	37E	1	92	96	0	0	96	0	75,000	100	78	2442	340.91	18
10/21/77	37E	2	92	96	0	4.0	92	0	75,000	154	74	2444	421.59	18
Total				192	0	4.0	188							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer Const. Engr.

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STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Load between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
							BENT	38 EBB				Contr. Pile #		
0/21/77	38E	1	92	96	0	4.0	92	0	75,000	280	74	2439	525.21	18
0/21/77	38E	2	92	96	0	4.0	92	0	75,000	272	74	2441	520.47	18
Total				192	0	8.0	184							
							BENT	39 EBB						
0/24/77	39E	1	92	96	0	4.0	92	0	75,000	151	74	2458	418.06	18
0/24/77	39E	2	92	96	0	4.0	92	0	75,000	183	74	2460	453.17	18
Total				192	0	8.0	184							
							BENT	40 EBB						
0/24/77	40E	1	92	96	0	4.0	92	0	75,000	104	74	2461	348.35	18
0/24/77	40E	2	92	96	0	4.0	92	0	75,000	363	74	2459	563.91	18
Total				192	0	8.0	184							
							BENT	41 EBB						
0/24/77	41E	1	92	96	0.5	0	96.5	0	75,000	193	96.5	2462	462.68	18
0/24/77	41E	2	92	96	1.0	0	97.0	0	75,000	223	97.0	2463	487.65	18
Total				192	1.5	0	193.5							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer CONST. ENGR.

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STATE ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Com-puted Bearing	Cut to Gro
									Energy Delivered	No. Blows				
						BENT 42 EBB					Contr. Pile #			
10/24/77	42E	1	92	96	1.0	0	97	0	75,000	165	79	2453	434.28	18
10/24/77	42E	2	92	96	1.0	0	97	0	75,000	158	79	2456	426.38	18
Total				192	2.0	0	194							
						BENT 43 EBB								
10/26/77	43E	1	92	96	0	0	96	0	75,000	149	78	2457	415.51	18
10/26/77	43E	2	92	96	0	0	96	0	75,000	152	78	2453	419.23	18
Total				192	0	0	192							
						BENT 44 EBB								
10/26/77	44E	1	92	96	0	0	96	0	75,000	216	78	2454	482.32	18
10/26/77	44E	2	92	96	0	0	96	0	75,000	148	78	2452	414.36	18
Total				192	0	0	192							
						BENT 45 EBB								
10/26/77	45E	1	92	96	0	0	96	0	75,000	160	78	2450	428.57	18
10/26/77	45E	2	92	96	0	0	96	0	75,000	161	78	2451	429.80	18
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer CONST. ENGR.

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County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Compu- ted Bearing	CutO to Grou
									Energy Delivered	No. Blows				
						BENT 46	EBB					Contr. Pile No.		
10/26/77	46E	1	92	96	0	0	96	0	75,000	203	78	2477	471.40	18
10/26/77	46E	2	92	96	0	0	96	0	75,000	165	78	2467	434.28	18
Total				192	0	0	192							
						BENT 47	EBB							
10/27/77	47E	1	92	92	1.0	0	93	0	75,000	180	75	2474	450.18	18
10/27/77	47E	2	92	92	1.0	0	93	0	75,000	161	75	2475	429.80	18
Total				184	2.0	0	186							
						BENT 48	EBB							
10/27/77	48E	1	92	92	4.0	0	96	1	75,000	150	78	2473	416.67	18
10/27/77	48E	2	92	92	3.0	0	95	1	75,000	158	77	2472	426.38	18
Total				184	7.0	0	191							
						BENT 49	EBB							
11/1/77	49E	1	90	90	0	0	90	0	75,000	149	72	2470	415.51	18
11/1/77	49E	2	90	90	0	0	90	0	75,000	154	72	2468	421.59	18
Total				180	0	0	180							
			Total	Total	Total	Total								

Correct R. E. Jay Project Engineer Approved _____ Division Engineer CONST. ENGR.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
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STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutC to Group
									Energy Delivered	No. Blows				
							BENT 50	EBB				Contr. Pile #		
11/1/77	50E	1	90	90	0	0	90	0	75,000	160	72	2469	428.57	18
11/1/77	50E	2	90	90	0	0	90	0	75,000	180	72	2471	450.18	18
Total				180	0	0	180							
							BENT 51	EBB						
11/1/77	51E	1	96	96	0	0	96	0	75,000	146	78	2467	411.86	18
11/1/77	51E	2	96	96	0	0	96	0	75,000	153	78	2465	420.40	18
Total				192	0	0	192							
							BENT 52	EBB						
11/1/77	52E	1	96	96	0	0	96	0	75,000	147	78	2466	413.00	18
11/1/77	52E	2	96	96	0	0	96	0	75,000	149	78	2464	415.51	18
Total				192	0	0	192							
							BENT 53	EBB						
11/2/77	53E	1	100	100	0	0	100	0	75,000	191	82	2489	460.69	18
11/2/77	53E	2	100	100	0	0	100	0	75,000	147	82	2491	413.00	18
Total				200	0	0	200							
				Total	Total	Total	Total							

Correct R. E. Jaye Project Engineer Approved _____ Division Engineer CONST. ENGR.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
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DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Gro.
									Energy Delivered	No. Blows				
													Contr. Pile #	
													BENT 54 EBB	
11/2/77	54E	1	100	100	0	0	100	0	75,000	283	82	2488	526.69	18
11/2/77	54E	2	100	100	0	0	100	0	75,000	207	82	2490	474.98	18
Total				200	0	0	200							
													BENT 55 EBB	
11/3/77	55E	1	104	104	0	0	104	0	75,000	154	86	2486	421.59	18
11/3/77	55E	2	104	104	0	0	104	0	75,000	267	86	2487	517.60	18
Total				208	0	0	208							
													BENT 56 EBB	
11/3/77	56E	1	106	106	0	0	106	0	75,000	310	88	2485	540.74	18
11/3/77	56E	2	106	106	0	0	106	0	75,000	195	88	2484	464.40	18
Total				212	0	0	212							
													BENT 57 EBB	
11/7/77	57E	1	108	108	0	0	108	0	75,000	147	90	2483	413.00	18
11/7/77	57E	2	108	108	0	0	108	0	75,000	181	90	2481	451.26	18
11/7/77	57E	3	108	108	0	0	108	0	75,000	153	90	2482	420.40	18
Total				324	0	0	324							
				Total	Total	Total	Total							

Correct R. E. J... Project Engineer Approved _____ Division Engineer CONST. ENGR.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
078 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Ground
									Energy Delivered	No. Blows				
BENT 58 EBB														
11/8/77	58E	1	112	112	0	0	112	0	75,000	233	94	2479	495.05	18
11/7/77	58E	2	112	112	0	0	112	0	75,000	209	94	2479	476.49	18
11/8/77	58E	3	112	112	0	0	112	0	75,000	125	94	2480	382.65	18
Total				336	0	0	336							
BENT 59 EBB														
11/8/77	59E	1	114	116	0	2.0	114	0	75,000	168	96	2503	437.57	18
11/8/77	59E	2	114	116	0	2.0	114	0	75,000	389	96	2501	573.39	18
11/8/77	59E	3	114	116	0	2.0	114	0	75,000	103	96	2499	346.42	18
Total				348	0	6.0	342							
BENT 60 EBB														
11/10/77	60E	1	116	116	0	0	116	0	75,000	156	98	2498	423.97	18
11/10/77	60E	2	116	116	0	0	116	0	75,000	160	98	2500	428.57	18
11/10/77	60E	3	116	116	0	0	116	0	75,000	100	98	2502	340.91	18
Total				348	0	0	348							
				Total	Total	Total	Total							

Correct R-E Jay Project Engineer Approved _____ Division Engineer CONST. ENGR

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Com-puted Bearing	Cut to Ground
									Energy Delivered	No. Blows				
						BENT 63	EBB				Contr. Pile #			
10/6/77	63E	1	124	124	0	0	124	0	75,000	154	75	2405	421.59	49
10/6/77	63E	2	124	124	0	0	124	0	75,000	128	75	2409	387.20	49
10/6/77	63E	3	124	124	0	0	124	0	75,000	90	75	2410	321.47	49
10/6/77	63E	4	124	124	0	0	124	0	75,000	138	75	2403	401.28	49
10/6/77	63E	5	124	124	0	0	124	0	75,000	107	75	2383	353.61	49
10/6/77	63E	6	124	124	0	0	124	0	75,000	91	75	2407	323.55	49
Total				744	0	0	744							
						BENT 64	EBB							
10/4/77	64E	1	128	128	0	0	128	0	75,000	91	79	2385	323.55	49
10/3/77	64E	2	128	128	0	0	128	0	75,000	140	79	2384	403.88	49
10/4/77	64E	3	128	128	0	0	128	0	75,000	92	79	2396	325.52	49
Total				384	0	0	384							
						BENT 65	EBB							
10/3/77	65E	1	128	128	0	0	128	0	75,000	137	79	2389	400.00	49
10/3/77	65E	2	128	128	0	0	128	0	75,000	101	79	2388	342.78	49
10/3/77	65E	3	128	128	0	0	128	0	75,000	170	70	2387	439.88	49
Total				384	0	0	384							

Correct P. E. Jay Project Engineer Approved _____ Division Engineer

Bent 14-65E 11654.5

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

RAY D. BASS
HIGHWAY DIRECTOR

April 28, 1976

Mr. C. A. Bowles
Construction Engineer
State Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)20
Mobile-Baldwin County

Dear Sir:

Attached are four (4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven on the above referenced project in the bents as listed below:

✓	Bents 353 through 362 - Westbound Bridge	1920.0
✓	Bents 467 through 489 - Eastbound Bridge	4035.63
✓	Bents 511 through 515 - Eastbound Bridge	688.25
✓	Bents 535 through 540 - Eastbound Bridge	1106.75
✓	Bents 181 through 187 - Eastbound Bridge	1344.0
	Bents B26 through B29 - Ramp "B" (U.S. 90)	576.0

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: T. G. Drinkard
T. G. Drinkard
Division Construction Engineer

JSH/lc
Encls.

cc: Mr. D. C. Collins
Mr. R. E. Jaye
File ✓



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

April 21, 1976

JRW
Collins C
Heater JH

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
Mobile, Alabama

Re: Project No. I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached hereto are Pile Driving Record for Prestressed
Concrete Piling (54" Round) driven in the bents listed below.

Bent 353 WBB thru 362 WBB

Bent 467 EBB thru 489 EBB

Bent 511 EBB thru 515 EBB

Bent 535 EBB thru 540 EBB

Bent 184 EBB thru 187 EBB

Bent B-26(90) thru Bent B-29(90)

This is only a partial submission of 54" Round Piling.

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye
R. E. Jaye

Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): BBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton-Grace

Kind of Hammer: Diesel _____ Air _____ Steam OK Hammer Action: Single
040

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
						Bent No. 470 BBB								
3/24/76	470B	1	86	86	0	0	86	0	80,000	241	66.8	736	534.40	19.
3/24/76	470E	2	86	86	0	0	86	0	80,000	244	71.9	735	536.59	14.
Total				172	0	0	172							
						Bent No. 469 BBB								
3/24/76	469Z	1	84	84	8.0	0	92.0	0	80,000	217	73.0	723	515.46	19.
3/24/76	469B	2	84	84	2.0	0	86.0	0	80,000	208	72.1	724	507.61	13.
Total				168	10.0	0	178.0							
						Bent No. 468 BBB								
3/25/76	468B	1	84	84	2.75	0	86.75	0	80,000	214	69.75	721	512.82	18.
3/25/76	468E	2	84	84	8.0	0	92.0	0	80,000	211	78.20	725	510.20	13.
TOTAL				168	10.75	0	178.75							
						Bent No. 467 BBB								
3/25/76	467B	1	84	84	0	0	84.0	0	80,000	208	66.0	663	507.61	18.
3/25/76	467E	2	84	84	0	0	84	0	80,000	215	71.0	727	513.48	13.
Total				168	0	0	168							
				Total	Total	Total	Total	APPROVED						
				Asst. Div. Const. Engr. (Bridges)										

Correct R. E. Jay Project Engineer Approved J. D. Shankard Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 66 + 99.56 to Station 129 + 22.153 Lane (if applicable): RBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
01.0

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
												Contr. Filed		
						Bent No. 176-E			60,000					
3-17-76	176	1	92.0	92.0	0	1.0	91.0		"	294	72.3	718	568.18	18.
3-16-76	176	2	92.0	92.0	0	0	92.0		"	285	79.0	719	562.98	13.
Total				184.0	0	1.0	183.0							
						Bent No. 175-E								
3-17-76	175	1	100.0	100.0	0	0	100.0		"	288	81.7	717	561.97	18.
3-17-76	175	2	100.0	100.0	0	0	100.0		"	277	86.8	716	558.27	13.
Total				200.0	0	0	200.0							
						Bent No. 174-E								
3-22-76	174	1	106.0	106.0	0	0	106.0		"	278	87.5	714	559.05	18.
3-22-76	174	2	106.0	106.0	0	0	106.0		"	281	92.9	715	560.63	13.
Total				212.0	0	0	212.0							
				Total	Total	Total	Total	Approved						

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Const. Eng. Div. Const. Eng. Division Engineer

Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector _____

Kind of Hammer: Diesel _____ Air _____ Steam X
040 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 51" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
						Bent No. 482 EBB						Contr. Pile No.		
2/26/76	482E	1	80	80	0	1.3	78.7	0	80,000	390	58.6	670	612.09	20.
2/26/76	482E	2	80	80	0	0	80.0	0	80,000	298	66.0	674	570.61	11.
Total				160	0	1.30	158.70							
						Bent No. 481 EBB								
2/27/76	481E	1	80	80	0	0	80	0	80,000	292	59.7	665	567.38	20.
2/27/76	481E	2	80	80	0	0	80	0	80,000	313	65.8	668	570.45	11.
Total				160	0	0	160							
						Bent No. 480 EBB								
2/27/76	480E	1	80	80	0	0	80	0	80,000	298	59.6	666	570.61	20.
2/27/76	480E	2	80	80	0	0	80	0	80,000	301	65.9	667	572.25	11.
Total				160	0	0	160							
				Total	Total	Total	Total	REFLECTED	Asst. Div. Const. Engr. (Bridges)					

Correct R. E. Jay
Project Engineer

Approved J. B. Dinkard
Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(95)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 629 + 22.453 Lane (if applicable): BB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
040

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
						<u>Bent 489 BB</u>						<u>Contr. Pile No</u>		
10/17/75	489B	1	76	76	0	0	76	0	80,000	221	56.0	289	518.81	20.0
10/16/75	489B	2	76	76	0	0	76	0	80,000	231	56.0	291	526.86	20.0
10/17/75	489B	3	76	76	0	0	76	0	80,000	227	56.0	294	515.46	20.0
Total				228	0	0	228							
						<u>Bent 488 BB</u>								
10/15/75	488B	1	80	80	0	0	80	0	80,000	218	61.0	275	516.13	19.0
10/15/75	488B	2	80	80	0	0	80	0	80,000	281	61.0	272	560.62	19.0
Total				160	0	0	160							
						<u>Bent 487 BB</u>								
10/14/75	487B	1	80	80	0	0	80	0	80,000	291	61.0	271	566.57	19.0
10/14/75	487B	2	80	80	0	0	80	0	80,000	303	61.0	277	573.07	19.0
Total				160	0	0	160							
						<u>Bent 486 BB</u>								
1/25/76	486B	1	80	80	0	0	80	0	80,000	297	61.0	689	569.80	19.0
1/25/76	486B	2	80	80	0	0	80	0	80,000	264	60.6	686	550.21	19.0
Total				160	0	0	160							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. D. Dinkard Division Engineer Const. Engr.

Bent 467-489E 4035.63

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange & and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam 50K
08 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
Bent No. 535 EBB														
3/24/76	535E	1	84	84	0	0	84	0	75,000	301	64	726	536.48	20.
3/24/76	535E	2	84	84	0	0	84	0	75,000	298	64	609	534.95	20.
Total				168	0	0	168							
Bent No. 536 EBB														
3/22/76	536E	1	84	84	0	0	84	0	75,000	295	64	716	533.43	20.
3/22/76	536E	2	84	84	0	0	84	0	75,000	320	64	748	545.45	20.
Total				168	0	0	168							
Bent No. 537 EBB														
3/19/76	537E	1	84	84	2.0	0	86	0	75,000	289	65.8	717	530.04	20.
3/19/76	537E	2	84	96	0	0	96	0	75,000	292	75.8	731	531.91	20.
Total				180	2.0	0	182							
				Total	Total	Total	Total	APPROVED						

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

January 23, 1976

I.10.49.027.7 B

Mr. C. A. Bowles, Engineer
Bureau of Construction
State of Alabama Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached are four(4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven in Bents 447 through 473 Westbound Bridge and **Bents 555, 556 and 557 Eastbound Bridge** on the above referenced project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: _____
T. G. Drinkard
Division Construction Engineer

JSH/wph

cc: Mr. D. C. Collins
Mr. R. E. Jaye
File ←

Attachments



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

January 13, 1976

D. Collins
Heritage
JSH

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
P. O. Box 7158
Mobile, Alabama

Re: Project No. I-10-1(35)28
Baldwin & Mobile Counties

Dear Sir:

Attached hereto are Pile Driving Record for prestressed concrete piling (54" Round) driven in bents listed below.

Bent 447 WBB thru 473 WBB

Bent 555 EBB thru 557 EBB

This is only a partial submission of 54" round piling.

Should additional information be desired, please advise.

Yours very truly,

George D. McCaw

George D. McCaw
Acting Res. Engr.

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 1-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort **E**

Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): WH

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Grace

Kind of Hammer: Diesel _____ Air _____ Steam XX
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou
									Energy Delivered	No. Blows				
												<u>Contr. Pile No</u>		
						<u>Bent No. 557 EBB</u>								
10/22/75	557E	1	96	96	0	1.5	96.50	0	75,000	286	73.5	190	527.43	21
10/22/75	557E	2	96	96	0	2.0	94.0	0	75,000	292	73.0	191	531.91	21
Total				192	0	3.5	188.5							
						<u>Bent No. 556 EBB</u>								
12/12/75	556E	1	96	96	0	0	96.00	0	75,000	291	74.3	396	531.16	21
12/16/75	556E	2	92	92	0	1.69	90.31	0	75,000	364	69.11	395	564.33	21
Total				188	0	1.69	186.31							
						<u>Bent No. 555 EBB</u>								
12/17/75	555E	1	92	92	0	2.10	89.60	0	75,000	302	68.3	394	536.86	21
12/18/75	555E	2	96	96	0	5.82	90.18	0	75,000	312	69.18	428	541.91	21
Total				188	0	8.82	179.78							
				Total	Total	Total	Total							

[Signature]
Asst. Div. Const. Engr. (Bridges)

Correct *[Signature]* Project Engineer Approved *[Signature]* Division Engineer

Bent 555 556 557 E 554.39

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

April 19, 1978

I.10.49.027.7 B

Mr. William E. Page
Construction Engineer
State Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)28
Mobile-Baldwin Counties

Dear Sir:

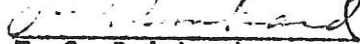
Attached are four (4) copies of piling records for prestressed concrete piling (16" square) driven on the above referenced project in bents as listed below:

Bents 169 thru 171	Eastbound Bridge
Bents 175 thru 177	Westbound Bridge
Transclosure S-2	

This completes the 16" square piling on the project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: 
T. G. Drinkard
Division Construction Engineer

JSH:lc
Attachments
cc: Mr. D. C. Collins
Mr. R. E. Jaye
File ✓



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

C
Hester

April 11, 1978

Mr. T. G. Drinkard
Division Construction Engineer
State Highway Department
Mobile, Alabama

Re: Project No. I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached hereto are pile driving record for Prestressed
Concrete Piling (16" Square) driven in the bents listed below.

Bent 169 EBB thru 171 EBB
Bent 175 WBB thru 177 WBB & Transclosure S-2

This completes the 16" square piling on the above referenced
project.

Should additional information be desired, please advise.

Yours truly,

A handwritten signature in cursive script that reads "R. E. Jaye".

R. E. Jaye
Resident Engineer

Attach.

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Load between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Jerry Orrell

Kind of Hammer: Diesel _____ Air X Steam _____ Hammer Action: Single

010

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 16"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						BENT NO. 169 EBB		Ft. No.1						
5/6/77	169-E	1	69	69	0	0	69	0	32,500	58	67		105.93	2.0
5/6/77	169-E	2	"	"	0	0	69	0	"	55	67		102.17	"
5/6/77	169-E	3	"	"	0	0	69	0	"	60	67		108.33	"
5/6/77	169-E	4	"	"	0	0	69	0	"	51	67		96.96	"
5/6/77	169-E	5	"	"	0	0	69	0	"	46	67		90.08	"
5/6/77	169-E	6	69	69	0	0	69	0	32,500	68	67		117.58	2.0
Total				414	0	0	414							
						BENT NO. 169 EBB		Ft. No.2						
5/6/77	169-E	1	69	69	0	0	69	0	32,500	47	67		91.47	2.0
5/6/77	169-E	2	69	69	0	0	69	0	"	58	67		105.93	2.0
5/5/77	169-E	3	69	69	0	0	69	0	"	44	67		87.20	2.0
5/5/77	169-E	4	69	69	0	0	69	0	"	64	67		113.04	2.0
5/6/77	169-E	5	69	69	0	0	69	0	"	48	67		92.86	2.0
5/6/77	169-E	6	69	69	0	0	69	0	32,500	61	67		109.54	2.0
				414	0	0	414							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer CONST. ENGINEER

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28
 Road between East Tunnel Interchange and Spanish Fort
 Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): EBB
 Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Jerry Orrell

Kind of Hammer: Diesel _____ Air X Steam _____
 Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 16"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						BENT	NO. 169	EBB	Ft. No. 3					
5/5/77	169-E	1	69	69	0	0	69	0	32,500	70	67		119.75	2.0
5/5/77	169-E	2	69	69	0	0	69	0	"	62	67		110.73	2.0
5/3/77	169-E	3	69	69	0	0	69	0	"	56	67		103.44	2.0
5/3/77	169-E	4	69	69	0	0	69	0	"	88	67		137.54	2.0
5/4/77	169-E	5	69	69	0	0	69	0	"	81	67		131.00	2.0
5/4/77	169-E	6	69	69	0	0	69	0	32,500	75	67		125.00	2.0
Total				414	0	0	414							
						BENT	NO. 169	EBB	Ft. No. 4					
5/5/77	169-E	1	69	69	0	0	69	0	32,500	82	67		131.95	2.0
5/5/77	169-E	2	69	69	0	0	69	0	"	65	67		114.20	2.0
5/3/77	169-E	3	69	69	0	0	69	0	"	93	67		141.92	2.0
5/3/77	169-E	4	69	69	0	0	69	0	"	82	67		131.95	2.0
5/4/77	169-E	5	69	69	0	0	69	0	"	74	67		124.00	2.0
5/4/77	169-E	6	69	69	0	0	69	0	"	80	67		130.00	2.0
Total				414	0	0	414							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer CONST. ENGINEER.

Bents numbered as per plans. In general, piles numbered from left to right
 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
 Also show any changes in plans on back.

**STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING**

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between Battleship Parkway and _____

Bridge: Station _____ to Station _____ Lane (if applicable): _____

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile drivers Inspector Barnett

Kind of Hammer: Diesel _____ Air XX Steam _____ Hammer Action: Single Gravity

Energy delivered=Effective WH or E, depending on type of hammer. Conmaco Modified Size of Piling: 16" Sq.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
		<u>Ftg. #1</u>			<u>BENT</u>	<u>NO. 170</u>	<u>EBB</u>					<u>Contr. Pile #</u>		
3/18/76		1	75	75	0	0	75	0	32,500	60	73	57	108.33	2.0
3/18/76		2	75	75	0	0	75	0	32,500	56	73	33	103.44	2.0
3/18/76		3	75	75	0	0	75	0	32,500	54	73	48	100.87	2.0
3/18/76		4	75	75	0	0	75	0	32,500	62	73	51	110.73	2.0
3/18/76		5	75	75	0	0	75	0	32,500	50	73	58	95.59	2.0
3/18/76		6	75	75	0	0	75	0	32,500	50	73	65	95.59	2.0
3/18/76		7	75	75	0	0	75	0	32,500	51	73	26	96.96	2.0
3/18/76		8	75	75	0	0	75	0	32,500	53	73	45	99.57	2.0
3/18/76		9	75	75	0	0	75	0	32,500	77	73	67	127.05	2.0
Total				675	0	0	675							
				Total	Total	Total	Total							

Correct R.E. Jayer Project Engineer Approved _____ Division Engineer CONST. ENGINEER

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between Battleship Parkway and _____

Bridge: Station _____ to Station _____ Lane (if applicable): _____

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile drivers Inspector Barnett

Kind of Hammer: Diesel _____ Air X Steam _____ Hammer Action: Single Gravity

Energy delivered=Effective WH or E, depending on type of hammer. Conmaco Modified Size of Piling: 16" Sq.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
	FIG. No. 2				BENT	NO. 170	EBB					Contr. Pile#		
8/17/76		1	75	75	0	0	75	0	32,500	51	73	32	96.96	2.0
8/17/76		2	75	75	0	0	75	0	32,500	60	73	89	108.33	2.0
8/17/76		3	75	75	0	0	75	0	32,500	68	73	90	117.58	2.0
8/17/76		4	75	75	0	0	75	0	32,500	52	73	42	98.28	2.0
8/17/76		5	75	75	0	0	75	0	32,500	51	73	41	96.96	2.0
8/17/76		6	75	75	0	0	75	0	32,500	51	73	60	96.96	2.0
8/17/76		7	75	75	0	0	75	0	32,500	52	73	63	98.28	2.0
8/17/76		8	75	75	0	0	75	0	32,500	51	73	87	96.96	2.0
8/17/76		9	75	75	0	0	75	0	32,500	50	73	62	95.59	2.0
Total				675	0	0	675							
				Total	Total	Total	Total							

Correct RE JAYE Project Engineer Approved _____ Division Engineer CONST. ENGINEER.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

**STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING**

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between Battleship Parkway and _____

Bridge: Station _____ to Station _____ Lane (if applicable): _____

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile drivers Inspector Barnett

Kind of Hammer: Diesel _____ Air X Steam _____ Hammer Action: Single Action

Energy delivered=Effective WH or E, depending on type of hammer. Conmaco Modified Size of Piling: 16" Sq.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
	<u>FTG. # 3</u>				<u>BENT</u>	<u>NO. 170</u>	<u>EBB</u>					<u>Contr. Pile#</u>		
<u>3/16/76</u>		<u>1</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>52</u>	<u>73</u>	<u>36</u>	<u>98.28</u>	<u>2.0</u>
<u>3/16/76</u>		<u>2</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>65</u>	<u>73</u>	<u>46</u>	<u>114.20</u>	<u>2.0</u>
<u>3/16/76</u>		<u>3</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>50</u>	<u>73</u>	<u>34</u>	<u>95.59</u>	<u>2.0</u>
<u>3/16/76</u>		<u>4</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>50</u>	<u>73</u>	<u>56</u>	<u>95.59</u>	<u>2.0</u>
<u>3/16/76</u>		<u>5</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>51</u>	<u>73</u>	<u>47</u>	<u>96.96</u>	<u>2.0</u>
<u>3/6/76</u>		<u>6</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>55</u>	<u>73</u>	<u>30</u>	<u>102.17</u>	<u>2.0</u>
<u>3/6/76</u>		<u>7</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>50</u>	<u>73</u>	<u>38</u>	<u>95.59</u>	<u>2.0</u>
<u>3/16/76</u>		<u>8</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>60</u>	<u>73</u>	<u>37</u>	<u>108.33</u>	<u>2.0</u>
<u>3/16/76</u>		<u>9</u>	<u>75</u>	<u>75</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>32,500</u>	<u>70</u>	<u>73</u>	<u>29</u>	<u>119.75</u>	<u>2.0</u>
<u>Total</u>				<u>675</u>	<u>0</u>	<u>0</u>	<u>675</u>							
				<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>							

Correct R.E. Jaze Project Engineer Approved _____ Division Engineer CONST. ENGINEER

Bents numbered as per plans. In general, piles numbered from left to right
 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
 Also show any changes in plans on back.

**STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING**

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between Battleship Parkway and _____

Bridge: Station _____ to Station _____ Lane (if applicable): _____

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile drivers Inspector Barnett

Kind of Hammer: Diesel _____ Air X Steam _____ Hammer Action: Single Gravity

Energy delivered=Effective WH or E, depending on type of hammer. Conmaco Modified Size of Piling: 16" Sq.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Com-puted Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
	<u>Ftg. No. 4</u>					<u>BENT</u>	<u>NO. 170</u>	<u>EBB</u>				<u>Contr. Pile#</u>		
8/13/76		1	75	75	0	0	75	0	32,500	55	73	55	102.17	2.0
8/13/76		2	75	75	0	0	75	0	32,500	72	73	51	121.91	2.0
8/13/76		3	75	75	0	0	75	0	32,500	70	73	28	119.75	2.0
8/13/76		4	75	75	0	0	75	0	32,500	51	73	1	96.96	2.0
8/13/76		5	75	75	0	0	75	0	32,500	51	73	35	96.96	2.0
8/13/76		6	75	75	0	0	75	0	32,500	61	73	53	109.54	2.0
8/13/76		7	75	75	0	0	75	0	32,500	64	73	64	113.04	2.0
8/13/76		8	75	75	0	0	75	0	32,500	70	73	27	119.75	2.0
8/13/76		9	75	75	0	0	75	0	32,500	55	73	31	102.17	2.0
Total				675	0	0	675							
				Total	Total	Total	Total							

Correct R. E. Jaze Project Engineer Approved _____ Division Engineer CONST. ENGINEER

Bents numbered as per plans. In general, piles numbered from left to right
 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
 Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile- Baldwin Division 7th Project I-10-1(15)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): R. B. B.

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Jennigan & Morgan

Kind of Hammer: Diesel K-2 Air _____ Steam _____ Hammer Action: single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 16" sq. concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
FOOTING # 1, BT. 171 R. B. B.														
5-28-75	171EB	1	69'	69'	0	0	69'	0	29,100 X .8	120	67		116.40	2'
5-28-75	171EB	2	69'	69'	0	0	69'	0	29,100 X .8	125	67		118.76	2'
5-29-75	171EB	3	69'	69'	0	0	69'	0	29,100 X .8	115	67		113.95	2'
5-29-75	171EB	4	69'	69'	0	0	69'	0	29,100 X .8	118	67		115.48	2'
5-29-75	171EB	5	69'	69'	0	0	69'	0	29,100 X .8	120	67		116.40	2'
5-29-75	171EB	6	69'	69'	0	0	69'	0	29,100 X .8	130	67		121.06	2'
TOTAL			414	414	0	0	414	0						
FOOTING # 2, BT. 171 R. B. B.														
6-3-75	171EB	1	69'	69'	0	0	69'	0	29,100 X .8	120	67		116.40	2'
6-3-75	171EB	2	69'	69'	0	0	69'	0	29,100 X .8	122	67		117.40	2'
6-3-75	171EB	3	69'	69'	0	0	69'	0	29,100 X .8	119	67		115.94	2'
6-3-75	171EB	4	69'	69'	0	0	69'	0	29,100 X .8	118	67		115.48	2'
6-3-75	171EB	5	69'	69'	0	0	69'	0	29,100 X .8	118	67		115.48	2'
6-3-75	171EB	6	69'	69'	0	0	69'	0	29,100 X .9	121	67		116.98	2'
TOTAL			414	414	0	0	414	0						
										APPROVED _____ Asst. Div. Const. Engr. (15')				
				Total	Total	Total	Total							

Correct R. E. Jara Project Engineer Approved _____ Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 77.56 to Station 129 + 22.453 Lane (if applicable): E. B. B.

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Jernigan & Morgan

Kind of Hammer: Diesel K-22 Air _____ Steam _____ Hammer Action: single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 16" sq. concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Group
									Energy Delivered	No. Blows				
	FOOTING			# 3	BENT	172	E. B. B.							
5-30-75	171E	1	69'	69'	0	0	69'	0	29,100 X .8	118	67		115.48	2'
5-30-75	171E	2	69'	69'	0	0	69'	0	29,100 X .8	125	67		118.78	2'
6-2-75	171E	3	69'	69'	0	0	69'	0	29,100 X .8	123	67		117.87	2'
6-2-75	171E	4	69'	69'	0	0	69'	0	29,100 X .8	120	67		116.40	2'
6-2-75	171E	5	69'	69'	0	0	69'	0	29,100 X .8	119	67		115.94	2'
6-2-75	171E	6	69'	69'	0	0	69'	0	29,100 X .8	123	67		117.87	2'
TOTALS			414'	414'	0	0	414'							
	FOOTING			# 4	BENT	172	E. B. B.							
6-4-75	171E	1	69'	69'	0	0	69'	0	29,100 X .8	120	67		116.40	2'
6-4-75	171E	2	69'	69'	0	0	69'	0	29,100 X .8	124	67		118.35	2'
6-5-75	171E	3	69'	69'	0	0	69'	0	29,100 X .8	120	67		116.40	2'
6-5-75	171E	4	69'	69'	0	0	69'	0	29,100 X .8	118	67		115.48	2'
6-4-75	171E	5	69'	69'	0	0	69'	0	29,100 X .8	117	67		114.96	2'
6-4-75	171E	6	69'	69'	0	0	69'	0	29,100 X .8	119	67		115.94	2'
TOTALS			414'	414'	0	0	414'							
				Total	Total	Total	Total	APPROVED		Asst. Div. Const. Engr. (Bridges)				

Correct R. E. Jay Project Engineer Approved _____ Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

February 10, 1976

I-10-49-027-7 A

Mr. C. A. Bowles
Construction Engineer
State Highway Department
Montgomery, Alabama 36130

Re: Project No. I-10-1(35)28
Mobile & Baldwin County


Dear Sir:

Attached are four (4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven in Bents 441 through 446 Westbound Bridge and Bents 552, 553 and 554 Eastbound Bridge on the above referenced project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:


T. G. Drinkard
Division Construction Engineer

JSH/l dh
cc: Mr. D. C. Collins
Mr. R. E. Jaye
File —
Attach.

J.D.H.
Collins



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

February 5, 1976

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
Mobile, Alabama

Re: Project No. I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached hereto are Pile Driving Record for prestressed concrete piling (54" Round) driven in the bents listed below.

Bent 411 WBB thru 446 WBB

Bent 552 EBB thru 554 EBB

This is only a partial submission of 54" round Piling.

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): LANE

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Greene

Kind of Hammer: Diesel _____ Air _____ Steam XX
0/8 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						Bent No. 554 888								
12-29-75	554B	1	90	90	0	0.83	89.17	0	75,000	287	65.57	390	528.88	21.
12/30/75	554B	2	90	90	0	0	90.0	0	75,000	290	68.6	392	530.52	21.
Total				180.0	0	0.83	179.17							
						Bent No. 553 888								
1/2/76	553A	1	90	90	0	2.99	87.05	0	75,000	278	66.05	393	523.89	21.
1/3/76	553A	2	90	90	0	2.25	87.75	0	75,000	265	66.75	391	516.84	21.
1/3/76	553A	3	90	90	0	1.89	88.15	0	75,000	261	67.15	389	513.80	21.
Total				270.0	0	7.05	262.95							
						Bent No. 552 888								
1/8/76	552A	1	88	88	0	5.42	82.58	0	75,000	328	61.28	387	519.13	21.
1/9/76	552A	2	88	88	0	2.97	85.03	0	75,000	374	63.93	388	567.84	21.
1/12/76	552B	3	88	88	0.25	0	88.25	0	75,000	301	67.15	386	536.25	21.
Total				264	0.25	8.39	255.86							
				Total	Total	Total	Total							

Correct P. E. Jay Project Engineer Approved J. D. ... Division Engineer
Bent 552 553 554 E 697.98

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

May 31, 1976

Mr. C. A. Bowles
Construction Engineer
State Highway Department
Montgomery, Alabama 36130

Re: Project No. I-10-1(35)28
Mobile & Baldwin County

Dear Sir:

Attached are four (4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven on the above referenced project in the bents as listed below:

Bents 194 through 204 - Westbound Bridge

Bents 520 through 534 - Eastbound Bridge

Bents 188 through 204 - Eastbound Bridge

Bents 446 through 466 - Eastbound Bridge

Bents C17 through C20 - Ramp "C" (U.S. 90)

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

JSH/lch
cc: Mr. D. C. Collins
Mr. R. E. Jaye
File —
Attach.

By: 
T. G. Drinkard
Division Construction Engineer



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

May 25, 1976

*Collins C
Heritage JH*

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
Mobile, Alabama

Re: Project No. I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached hereto are Pile Driving Record for Prestressed
Concrete Piling (54" Round) driven in the Bents listed below.

Bent 194 WBB thru 204 WBB	3384.0
Bent 520 EBB thru 534 EBB	2317.75
Bent 188 EBB thru 204 EBB	4791.0
Bent 446 EBB thru 466 EBB	4735.31
Bent C-17(90) thru C-20(90)	752.0

This is only a partial submission of 54" Round Piling.

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam x Hammer Action: Single
050

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Groun	
									Energy Delivered	No. Blows					
													Contr Pile No		
						Bent No. 520 EBB									
5/19/76	520E	1	72	72.0	0	0	72.0	0	80,000	215	51.4	518	513.48	20.6	
5/19/76	520E	2	72	72.0	0	0	72.0	0	80,000	209	51.4	520	508.26	20.6	
Total				144.0	0	0	144.0								
						Bent No. 521 EBB									
5/17/76	521E	1	72	72.0	0	0	72.0	0	80,000	258	51.4	522	546.82	20.6	
5/17/76	521E	2	72	72.0	0	0	72.0	0	80,000	297	51.4	519	569.80	20.6	
Total				144.0	0	0	144.0								
						Bent No. 522 EBB									
5/14/76	522E	1	74	74	0	0	74	0	80,000	366	53.6	539	602.86	20.1	
5/14/76	522E	2	74	74	0	0	74.0	0	80,000	222	53.6	540	519.48	20.1	
Total				148.0	0	0	148.0								
				Total	Total	Total	Total	Approved							
									Asst. Div. Const. Engr. (Bridges)						

Correct R. E. Jay Project Engineer Approved J. B. Dinkard Division Asst. Div. Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28
 Road between East Tunnel Interchange and Spanish Fort
 Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X
 0.80
 Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
						Bent	No. 523-E		80,000			Contr. Pile #		
5-13-76	523-E	1	74.0	74.0	0	0	74.0	0	"	319	53.2	803	581.40	20.
5-13-76	523-E	2	74.0	74.0	0	0	74.0	0	"	355	53.2	801	597.91	20.
Total				148.0	0	0	148.0							
							Bent No. 524-E							
5-12-76	524-E	1	74.0	74.0	0	0	74.0	0	"	231	53.6	802	526.66	20.
5-12-76	524	2	74.0	74.0	0	0	74.0	0	"	279	53.6	800	559.44	20.
Total				148.0	0	0	148.0							
							Bent No. 525-E							
5-11-76	525-E	1	76.0	76.0	0	0	76.0	0	"	420	55.3	797	622.57	20
5-11-76	525-E	2	76.0	76.0	0	0	76.0	0	"	229	55.3	796	524.93	20
Total				152.0	0	0	152.0							
				Total	Total	Total	Total	Total	Approved					

Correct R. E. Jace Project Engineer Approved J. B. ... Asst. Div. Const. Engineer
 Division Engineer
 Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
 Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EEB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X
0.80 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
									Bent No. 526-E		75,000	Contr. Pile #		
5-10-76	526-E	1	76.0	76.0	0	0	76.0	0	"	174	54.4	799	173.65	21.
5-10-76	526-E	2	76.0	76.0	0	0	76.0	0	"	126	54.4	798	109.84	21.
Total				152.0	0	0	152.0							
									Bent No. 527-E					
5-6-76	527-E	1	76.0	76.0	0	0	76.0	0	"	130	55.6	788	116.02	20.
5-6-76	527-E	2	76.0	76.0	0	0	76.0	0	"	165	55.6	788	163.23	20.
Total				152.0	0	0	152.0							
									Bent No. 528-E					
5-5-76	528-E	1	80.0	80.0	0	0	80.0	0	"	216	59.6	791	514.47	20
5-5-76	528-E	2	80.0	80.0	0	0	80.0	0	"	300	59.6	790	571.43	20
Total				160.0	0	0	160.0							
					Total	Total	Total	Total	Approved					
										Asst. Div. Const. Engr.				

Correct R. E. Jay Project Engineer Approved [Signature] Division Engineer
Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCaw & Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single

~~###040~~

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
						Bent No. 529-E				80,000			Contr. Pile #	
5-1-76	529-E	1	80.0	80.0	0.5	0	80.5	0	"	112 ###	60.5 ###	793	619.67	20.0
5-1-76	529-E	2	80.0	80.0	0.5	0	80.5	0	"	115	60.5	792	620.61	20.0
Total				160.0	1.0	0	161.0							
						Bent No. 530-E								
5-3-76	530-E	1	80.0	80.0	0	0	80.0	0	#	119	60.0	795	622.08	20.0
5-3-76	530-E	2	80.0	80.0	0	0	80.0	0	"	128	60.0	794	625.00	20.0
Total				160.0	0	0	160.0							
						Bent No. 531-E								
4-29-76	531-E	1	80.0	80.0	0.5	0	80.5	0	"	140	60.11	770	628.93	20.1
4-29-76	531-E	2	80.0	80.0	0.25	0	80.25	0	"	136	59.85	768	627.15	20.1
Total				160.0	0.75	0	160.75	0						
				Total	Total	Total	Total		Approved					
														Asst. Div. Const. Engr.

Correct R. E. Jay Project Engineer Approved J. D. Dinkard Division Engineer
Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT.
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.153 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
040

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
					Bent No.	532-E			80,000			Contr. Pile #		
4-27-76	532-E	1	80.0	80.0	0	0	80.0	0	"	140	59.7	769	628.93	20.
4-27-76	532-E	2	80.0	80.0	0	0	80.0	0	"	121	59.7	773	622.57	20.
Total				160.0	0	0	160.0							
					Bent No.	533-E								
4-26-76	533-E	1	80.0	80.0	0	0	80.0	0	"	112	59.9	772	619.67	20.
4-26-76	533-E	2	80.0	80.0	0	0	80.0	0	"	117	60.0	771	621.60	20.
Total				160.0	0	0	160.0							
					Bent No.	534-E								
4-29-76	534-E	1	84.0	84.0	0	0	84.0	0	"	766	63.6	766	692.04	20.
4-29-76	534-E	2	84.0	84.0	0	0	84.0	0	"	764	63.6	764	691.44	20.
Total				168.0	0	0	168.0							
				Total	Total	Total	Total	Approved	Asst. Div. Const. Engr.					

Correct _____ Project Engineer Bent 520-534E 2317.75 Approved J.D. Blankard Division ##### Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 +99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace

Kind of Hammer: Diesel _____ Air _____ Steam 2 Hammer Action: Single
0.80

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						Bent No. 191-E						Contr. Pile #		
4-15-76	191-E	1	96.0	96.0	0	0	96.0	0	75,000	84	74.0	834	308.83	22.0
4-15-76	191-E	2	96.0	96.0	0	0	96.0	0	"	118	74.0	832	371.86	22.0
4-15-76	191-E	3	96.0	96.0	3.0	0	99.0	0	"	90	74.0	833	321.43	22.0
Total				288.0	3.0	0	291.0	0						
						Bent No. 192-E								
4-16-76	192-E	1	96.0	96.0	0	0	96.0	0	"	100	74.5	836	310.91	21.5
4-16-76	192-E	2	96.0	96.0	0	0	96.0	0	"	104	74.5	857	348.22	21.5
4-16-76	192-E	3	96.0	96.0	0	0	96.0	0	"	115	74.5	837	367.04	21.5
Total				288.0	0	0	288.0							
						Bent No. 193-E								
4-19-76	193-E	1	96.0	96.0	0	0	96.0	0	"	111	75.0	854	360.40	21.5
4-19-76	193-E	2	96.0	96.0	0	0	96.0	0	"	109	75.0	853	356.99	21.5
4-19-76	193-E	3	96.0	96.0	0	0	96.0	0	"	135	75.0	859	397.08	21.5
Total				288.0	0	0	288.0							
				Total	Total	Total	Total	Approved						

Correct R. E. Jace Project Engineer Approved J. D. [Signature] Asst. Div. Const. Engr. Division Engineer
Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
0.80

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
					Bent	No. 194-E			75,000			Contr. Pile #		
4-20-76	194-E	1	96.0	96.0	0	0	96.0	0	"	103	75.0	856	346.42	21.
4-20-76	194-E	2	96.0	96.0	0	0	96.0	0	"	108	75.0	855	355.27	21.
4-20-76	194-E	3	96.0	96.0	0	0	96.0	0	"	114	75.0	858	365.39	21.
Total				288.0	0	0	288.0							
						Bent	No. 195-E							
4-23-76	195-E	1	96.0	96.0	0	0	96.0	0	"	200	81.0	842	468.75	15.
4-23-76	195-E	2	96.0	96.0	0	0	96.0	0	"	100	81.0	852	340.91	15.
4-23-76	195-E	3	96.0	96.0	0	0	96.0	0	"	101	81.0	844	342.76	15.
Total				288.0	0	0	288.0							
						Bent	No. 196-E							
4-26-76	196-E	1	92.0	92.0	0	0	92.0	0	"	82	77.0	850	304.46	15.
4-26-76	196-E	2	92.0	92.0	0	0	92.0	0	"	85	77.0	849	310.98	15.
4-26-76	196-E	3	92.0	92.0	0	0	92.0	0	"	103	77.0	846	346.42	15.
Total				276.0	0	0	276.0							
				Total	Total	Total	Total	Approved						

Correct R. E. Jay Project Engineer Approved J. D. ... Division Engineer
Asst. Div. Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT.
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.### 56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam X
0.80 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
Bent No. 197-E														
4-26-76	197-E	1	92.0	92.0	0	0	92.0	0	"	86	76.6	850	313.15	15.
4-26-76	197-E	2	92.0	92.0	0	0	92.0	0	"	113	77.0	849	363.90	15.
4-26-76	197-E	3	92.0	92.0	0	0	92.0	0	"	105	77.0	847	350.11	15.
Total			276.0	0	0	276.0								
Bent No. 198-E														
4-27-76	198-E	1	92.0	92.0	0	0	92.0	0	"	120	75.5	868	375.00	16.
4-27-76	198-E	2	92.0	92.0	0	0	92.0	0	"	92	75.5	848	325.52	16.
4-27-76	198-E	3	92.0	92.0	0	0	92.0	0	"	130	75.5	866	390.02	16.
Total			276.0	0	0	276.0								
Bent No. 199-E														
4-27-76	199-E	1	92.0	92.0	0	0	92.0	0	"	95	76.0	869	331.12	16.
4-28-76	199-E	2	92.0	92.0	0	0	92.0	0	"	82	75.0	864	304.51	17.
4-28-76	199-E	3	92.0	92.0	0	0	92.0	0	"	96	75.0	871	333.33	17.
Total			276.0	0	0	276.0								
Total			Total	Total	Total	Total	Approved							

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Asst. Div. Const. Engr. Division ##### Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.153 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grade, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam X
0.80 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Group
									Energy Delivered	No. Blows				
					Bent No. 200-E				75,000			Contr. Pile #		
4-28-76	200-E	1	92.0	92.0	0	0	92.0	0	"	85	75.0	851	311.07	17.0
4-28-76	200-E	2	92.0	92.0	0	0	92.0	0	"	79	75.0	861	297.86	17.0
4-28-76	200-E	3	92.0	92.0	0	0	92.0	0	"	101	75.0	866	312.78	17.0
Total				276.0	0	0	276.0							
					Bent No. 201-E									
4-29-76	201-E	1	92.0	92.0	0	0	92.0	0	"	127	75.0	865	385.80	17.0
4-29-76	201-E	2	92.0	92.0	0	0	92.0	0	"	105	75.0	863	350.14	17.0
4-29-76	201-E	3	92.0	92.0	0	0	92.0	0	"	107	75.0	867	353.61	17.0
Total				276.0	0	0	276.0							
					Bent No. 202-E									
4-29-76	202-E	1	92.0	92.0	0	0	92.0	0	"	116	75.0	900	368.73	17.0
4-29-76	202-E	2	92.0	92.0	0	0	92.0	0	"	98	75.0	892	337.23	17.0
4-29-76	202-E	3	92.0	92.0	0	0	92.0	0	"	103	75.0	898	346.12	17.0
Total				276.0	0	0	276.0							
				Total	Total	Total	Total	Approved						

Correct R. E. Jay Project Engineer Approved J. D. ... Division Engineer
Asst. Div. Const. Engr. Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT.
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
0.80

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
						Bent No. <u>454-E</u>			<u>80,000</u>			Contr. Pile #		
<u>4-19-76</u>	<u>454-E</u>	<u>1</u>	<u>112.0</u>	<u>112.0</u>	<u>0</u>	<u>0</u>	<u>112.0</u>	<u>0</u>	<u>"</u>	<u>345</u>	<u>92.4</u>	<u>776</u>	<u>593.56</u>	<u>19.</u>
<u>4-19-76</u>	<u>454-E</u>	<u>2</u>	<u>112.0</u>	<u>112.0</u>	<u>0</u>	<u>0</u>	<u>112.0</u>	<u>0</u>	<u>"</u>	<u>346</u>	<u>96.0</u>	<u>777</u>	<u>594.00</u>	<u>16.</u>
<u>Total</u>				<u>224.0</u>	<u>0</u>	<u>0</u>	<u>224.0</u>							
						Bent No. <u>453-E</u>								
<u>4-19-76</u>	<u>453-E</u>	<u>1</u>	<u>122.0</u>	<u>116.0</u>	<u>0</u>	<u>0</u>	<u>116.0</u>	<u>0</u>	<u>"</u>	<u>319</u>	<u>96.3</u>	<u>774</u>	<u>595.33</u>	<u>19.</u>
<u>4-19-76</u>	<u>453-E</u>	<u>2</u>	<u>122.0</u>	<u>116.0</u>	<u>0</u>	<u>0</u>	<u>116.0</u>	<u>0</u>	<u>"</u>	<u>362</u>	<u>100.7</u>	<u>775</u>	<u>600.87</u>	<u>15.</u>
<u>Total</u>				<u>232.0</u>	<u>0</u>	<u>0</u>	<u>232.0</u>							
						Bent No. <u>452-E</u>								
<u>4-22-76</u>	<u>452-E</u>	<u>1</u>	<u>132.0</u>	<u>116.0</u>	<u>0</u>	<u>5.0</u>	<u>111.0</u>	<u>0</u>	<u>"</u>	<u>407</u>	<u>92.2</u>	<u>829</u>	<u>617.86</u>	<u>18.</u>
<u>4-22-76</u>	<u>452-E</u>	<u>2</u>	<u>132.0</u>	<u>116.0</u>	<u>0</u>	<u>0</u>	<u>116.0</u>	<u>0</u>	<u>"</u>	<u>315</u>	<u>101.0</u>	<u>827</u>	<u>593.56</u>	<u>14.</u>
<u>Total</u>				<u>232.0</u>	<u>0</u>	<u>5.0</u>	<u>227.0</u>							
				Total	Total	Total	Total	Approved _____		Asst. Div. Const. Engr.				

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Division Engineer Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT.
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
040

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
Bent No. 457-E													Contr. Pile #	
4-13-76	457-E	1	108.0	108.0	0	0	108.0	0	80,000	350	87.9	782	595.77	20.0
4-13-76	457-E	2	108.0	108.0	0	0	108.0	0	"	395	92.4	781	613.61	15.0
Total				216.0	0	0	216.0							
Bent No. 456-E														
4-19-76	456-E	1	108.0	108.0	0	0	108.0	0	"	351	88.4	780	596.21	19.0
4-19-76	456-E	2	108.0	108.0	0	0	108.0	0	"	360	92.9	781	600.02	15.0
Total				216.0	0	0	216.0							
Bent No. 455-E														
4-19-76	455-E	1	108.0	108.0	0	0	108.0	0	"	347	88.1	779	591.44	19.0
4-19-76	455-E	2	108.0	108.0	0	1.95	106.05	0	"	424	90.95	783	623.51	15.0
Total				216.0	0	1.95	214.05							
Total													Approved	

Correct R. E. Jay Project Engineer Approved Asst. Div. Const. Engr. Division Engineer
Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT.
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam xxx
040 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Group
									Energy Delivered	No. Blows				
						Bent No. 463 EBB						Contr. File No		
4/5/76	463E	1	140	140	0	13.6	126.40	0	80,000	600	106.4	743	666.67	20.0
4/5/76	463E	2	140	140	0	20.0	120.00	0	80,000	220	104.9	748	517.67	15.0
Total				280	0	33.6	246.40							
						Bent No. 462 EBB								
4/6/76	462E	1	140	140	0	0	140	0	80,000	122	121.0	740	403.31	19.0
4/19/76	462E	2	140	140	0	13.69	126.31	0	80,000	304	111.31	860	573.60	15.0
Total				280	0	13.69	266.31							
						Bent No. 461 EBB								
4/8/76	461E	1	140	140	0	6.45	133.55	0	80,000	265	114.35	744	550.66	19.0
4/8/76	461E	2	140	140	0	0	140.0	0	80,000	140	125.0	742	430.78	15.0
Total				280	0	6.45	273.55							
				Total	Total	Total	Total	Approved	Asst. Div. Const. Engr. (Bridges)					

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Division Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT.
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam xx
040 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground		
									Energy Delivered	No. Blows						
													Bent No. <u>466</u> EBB		Contr. File No	
4/1/76	466E	1	84	84	0	0	84	0	80,000	219	65.1	767	516.83	18.9		
4/1/76	466E	2	84	84	0.25	0	84.25	0	80,000	237	70.05	762	531.10	14.2		
Total				168	0.25	0	168.25									
													Bent No. <u>465</u> EBB			
4/1/76	465E	1	84	84	0.25	0	84.25	0	80,000	289	65.05	763	565.29	19.2		
4/1/76	465E	2	84	84	0.50	0	84.50	0	80,000	301	70.4	765	572.00	14.7		
Total				168	0.75	0	168.75									
													Bent No. <u>464</u> EBB			
4/2/76	464E	1	104	104	0	0	104.0	0	80,000	245	84.7	751	537.02	19.2		
4/2/76	464E	2	104	104	0	0	104.0	0	80,000	260	90.0	750	547.38	14.0		
Total				208	0	0	208.0									
				Total	Total	Total	Total	Approved								

Correct R-E Jay Project Engineer Approved J.D. [Signature] Division Eng. Const. Engr.

Bent 446-466 E 4735.31

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

December 29, 1975

Mr. C. A. Bowles, Engineer
Bureau of Construction
State of Alabama Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)28
Mobile-Baldwin Counties

Dear Sir:

Attached are four(4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven in Bents 474 through 498 Westbound Bridge, Bents 490 through 510 Eastbound Bridge, Bents 558 through 563 Eastbound Bridge and Bents 1 through 13 Ramp "B" at U.S. 98 on the above referenced project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

A handwritten signature in cursive script, appearing to read "T. G. Drinkard".

By: _____
T. G. Drinkard
Division Construction Engineer

JSH/wph

cc: Mr. D. C. Collins
Mr. R. E. Jaye
File ✓

Attachments

I-10-49-027.7 B

524



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

December 12, 1975

D
Collins
Heritage

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
P. O. Box 7158
Mobile, Alabama

Re: Project No. I-10-1(35)28
Baldwin & Mobile Counties

Dear Sir:

Attached hereto are Pile Driving Record for prestressed concrete piling (54" Round) driven in bents listed below.

Bent 474 WBB thru 498 WBB

Bent 490 EBB thru 510 EBB

Bent 558 EBB thru 563 EBB — 564

Bent 1 thru 13 Ramp B at US 98

This is only a partial submission of 54" round piling.

Should additional information be desired, please advise.

Yours very truly,

George D. McCaw
George D. McCaw
Asst. Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Maldwin Division 9th Project 1-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.153 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCay

Kind of Hammer: Diesel _____ Air _____ Steam X
040 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						Bent No. <u>490 EBB</u>						Contr. Pile No		
10/17/75	L90E	1	76	76	0	0	76	0	80,000	251	55.0	288	541.27	21.
10/16/75	L90E	2	76	76	0	0	76	0	80,000	237	55.0	295	531.21	21.
10/17/75	L90E	3	76	76	0	0	76	0	80,000	322	55.0	287	583.09	21.
Total				228	0	0	228							
						Bent No. <u>491 EBB</u>								
10/24/75	L91E	1	76	76	0	0	76	0	80,000	233	46.0	306	528.05	30.
10/23/75	L91E	2	76	76	0	0	76	0	80,000	212	46.0	286	510.86	30.
10/24/75	L91E	3	76	76	0	0	76	0	80,000	219	46.0	309	517.13	30.
Total				228	0	0	228							
						Bent No. <u>492 EBB</u>								
10/24/75	L92E	1	76	76	0	0	76	0	80,000	216	44.0	295	514.47	32.
10/23/75	L92E	2	76	76	0	0	76	0	80,000	217	44.0	290	515.46	32.
10/24/75	L92E	3	76	76	0	0	76	0	80,000	231	44.0	292	526.66	32.
Total				228	0	0	228							
					Total	Total	Total	Total	APPROVED					
										Asst. Div. Const. Engr. (Bridges)				

Correct George D. McCay Project Engineer Approved _____ Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McGraw

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Cons.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Group	
									Energy Delivered	No. Blows					
						Bent No. <u>193 EBB</u>						Contr. Pile No			
10/27/75	493E	1	76	76	0	0	76	0	80,000	216	42.0	307	514.47	31	
10/27/75	493E	2	76	76	0	0	76	0	80,000	221	42.0	308	518.81	31	
10/27/75	493E	3	76	76	0	0	76	0	80,000	230	42.0	305	525.97	31	
Total				228	0	0	228								
						Bent No. <u>194 EBB</u>									
10/27/75	494E	1	74	74	0	0	74	0	80,000	233	38.0	303	528.05	36	
10/27/75	494E	2	74	74	0	0	74	0	80,000	212	38.0	302	510.86	36	
10/27/75	494E	3	74	74	0	0	74	0	80,000	219	38.0	304	517.13	36	
Total				222	0	0	222								
						Bent No. <u>195 EBB</u>									
10/29/75	495E	1	74	74	0	0	74	0	80,000	223	37.0	297	520.16	37	
10/29/75	495E	2	74	74	0	0	74	0	80,000	218	37.0	301	516.13	37	
10/29/75	495E	3	74	74	0	0	74	0	80,000	215	37.0	300	513.48	37	
Total				222	0	0	222								
											APPROVED				
													Asst. Div. Const. Engr. (Bridges)		

Correct George D. McLean Project Engineer Approved _____ Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCam

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Cons.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou
									Energy Delivered	No. Blows				
						Bent No. 496 EBB				Contr. File No				
10/29/75	496E	1	74	74	0	0	74	0	80,000	213	37.0	298	511.84	37
10/29/75	496E	2	74	74	0	0	74	0	80,000	223	37.0	296	520.16	37.
10/29/75	496E	3	74	74	0	0	74	0	80,000	232	37.0	299	527.36	37.
Total				222	0	0	222							
						Bent No. 497 EBB								
10/30/75	497E	1	74	74	0	0	74	0	80,000	210	37.0	318	509.23	37.
10/30/75	497E	2	74	74	0	0	74	0	80,000	228	36.8	320	524.25	37.
10/30/75	497E	3	74	74	0	0	74	0	80,000	237	37.0	325	531.21	37.
Total				222	0	0	222							
						Bent No. 498 EBB								
10/30/75	498E	1	74	74	0	0	74	0	80,000	219	38.0	321	517.13	36.
10/30/75	498E	2	74	74	0	0	74	0	80,000	238	38.0	322	531.91	36.
10/30/75	498E	3	74	74	0	0	74	0	80,000	209	38.0	319	506.86	36.
Total				222	0	0	222							
				Total	Total	Total	Total		Inst. Div Const. Engr. (Bridges)					

Correct George D. McCam Project Engineer Approved _____ Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EMB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCaw & Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutC to Gro			
									Energy Delivered	No. Blows							
Bent No. 502 EMB																	
11/5/75	502E	1	72	72	0	0	72	0	80,000	222	38.0	311	519.48	34.			
11/4/75	502E	2	72	72	1.0	0	73	0	80,000	237	39.0	312	531.21	34.			
11/5/75	502E	3	72	72	0	0	72	0	80,000	212	38.0	313	510.00	34.			
Total				216	1.0	0	217										
Bent No. 503 EMB																	
11/6/75	503E	1	72	72	0	0	72	0	80,000	208	39.0	324	507.61	33.			
11/5/75	503E	2	72	72	1.0	0	73	0	80,000	214	40.0	330	512.82	33.			
11/6/75	503E	3	72	72	0	0	72	0	80,000	219	39.0	325	517.13	33.			
Total				216	1.0	0	217										
Bent No. 504 EMB																	
11/5/75	504E	1	72	72	0	0	72	0	80,000	247	40.0	327	538.72	32.			
11/5/75	504E	2	72	72	0	0	72	0	80,000	210	40.0	326	533.33	32.			
11/6/75	504E	3	72	72	0	0	72	0	80,000	236	40.0	328	531.92	32.			
Total				216	0	0	216										
												Total					
												Asst. Div. Const. Engr. (Bridges)					

Correct George D. McCaw Project Engineer Approved _____ Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)28

Road between Last Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): RRB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McGraw & Pennington

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
040

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou
									Energy Delivered	No. Blows				
Bent No. 505 RRB														
11/7/75	505E	1	70	70	0	0	70	0	80,000	221	42.0	334	518.81	28.
11/6/75	505E	2	70	70	0	0	70	0	80,000	244	42.0	281	536.55	28.
11/7/75	505E	3	70	70	0	0	70	0	80,000	217	42.0	337	515.46	28.
Total				210	0	0	210							
Bent No. 506 RRB														
11/7/75	506E	1	70	70	0	0	70	0	80,000	302	44	342	572.66	26.
11/6/75	506E	2	70	70	0	0	70	0	80,000	244	44.0	280	536.55	26.
11/7/75	506E	3	70	70	0	0	70	0	80,000	212	44.0	340	510.86	26.
Total				210	0	0	210							
Bent No. 507 RRB														
11/10/75	507E	1	70	70	0	0	70	0	80,000	241	45.0	282	534.40	25.
11/10/75	507E	2	70	70	0	0	70	0	80,000	209	45.0	341	508.26	25.
11/10/75	507E	3	70	70	0	0	70	0	80,000	254	45.0	338	543.48	25.
Total				210	0	0	210							
APPROVED														
Asst. Div. Const. Engr. (Bridges)														

Correct George D. McLe Project Engineer Approved _____ Division Engineer James Const. Engr

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 629 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton & Grace

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Cone.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Com-puted Bearing	CutO to Grou
									Energy Delivered	No. Blows				
					Bent No. 508E						Contr. Pile No.			
11/10/75	508E	1	70	70	0	0	70	0	80,000	208	46.0	339	507.61	24.
11/10/75	508E	2	70	70	0	0	70	0	80,000	228	46.0	335	524.25	24.
11/10/75	508E	3	70	70	0	0	70	0	80,000	238	46.0	343	531.91	24.
Total				210	0	0	210							
					Bent No. 509 EBB									
11/12/75	509E	1	70	70	0	0	70	0	80,000	208	46.0	283	507.61	24.
11/12/75	509E	2	70	70	0	0	70	0	80,000	215	46.0	278	513.48	24.
Total				140 EIB	0	0	140 EIB							
					Bent No. 510 EBB									
11/12/75	510E	1	70	70	0	0	70	0	80,000	209	46.0	279	508.26	24.
11/12/75	510E	2	70	70	00	0	70	0	80,000	213	46.0	336	511.84	24.
Total				140	0	0	140							
				Total	Total	Total	Total	Asst. Div. Const. Engr. (Bridges)						

Correct George D. McLean Project Engineer Approved EBB 490-510 Division Engineer 4440.0

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): E. B. B.

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCaw & Morgan

Kind of Hammer: Diesel _____ Air _____ Steam X
0/8

Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer.

Size of Piling: 24" Conc. (Round)

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
Bent No. 564 E. B. B.														
6/26/75	564 EB	1	96	96	0	0	96	0	75,000	295	93	26	533.43	3.0
6/27/75	564 EB	2	96	96	0	0	96	0	75,000	305	93	30	538.43	3.0
Total				192	0	0	192							
Bent No. 563 E. B. B.														
9/17/75	563B	1	96	96	0	1.4	94.6	0	75,000	504	83.9	173	605.82	10.
9-10-75	563B	2	96	96	0.8	0	96.8	0	75,000	279	79.7	170	524.48	17.
Total				192	0.8	1.4	191.4							
Bent No. 562 B B B														
9/16/75	562B	1	96	96	0	1.5	94.5	0	75,000	268	76.1	171	518.31	18.
9/16/75	562B	2	96	96	0	0.5	95.5	0	75,000	306	76.6	172	530.79	18.
Total				192	0	2.0	190							
Bent No. 561 B B B														
9/30/75	561B	1	96	96	0	0	96	0	75,000	260	78.5	189	513.39	17.
9/18/75	561B	2	96	96	1.0	0	97	0	75,000	256	78.4	169	510.90	18.
Total				192	1.0	0	193.0							
										APPROVED				
										Asst. Div. Const. Engr. (Bridges)				

Correct George D. McCaw Project Engineer Approved _____ Division Engineer XXXXX Const Engr.

Bent 558-564
1326.52

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

June 24, 1976

I:10-49-027.7 B

Mr. C. A. Bowles
Construction Engineer
State Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)28
Mobile-Baldwin Counties

Dear Sir:

Attached are four (4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven on the above referenced project in the bents as listed below:

Bents 205 through 210 - Eastbound Bridge
Bents 416 through 445 - Eastbound Bridge
Bents 516 through 519 - Eastbound Bridge
Bents 205 through 216 - Westbound Bridge

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: 

T. G. Drinkard
Division Construction Engineer

JSH/lc
Encls.

cc: Mr. D. C. Collins
Mr. R. E. Jaye
File ✓



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

June 22, 1976

D
Collins
Heritage

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
Mobile, Alabama

Re: Project Number I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached hereto are Pile Driving Record for Prestressed
Concrete Piling (54" Round) driven in the bents listed below.

Bent 205 EBB thru 210 EBB	1267.5
Bent 416 EBB thru 445 EBB	4847.75
Bent 516 EBB thru 519 EBB	568.5
Bent 205 WBB thru 216 WBB	2804.5

This is only a partial submission of 54" Round Piling.

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF OREGON HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Wheeler & Malheur Division 9th Project 1-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

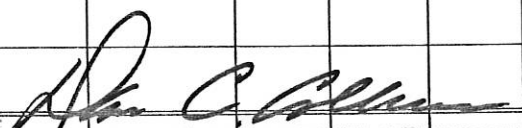
Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): EBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam NY Hammer Action: Single

0/0

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 36" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
Bent No. 205 EBB														
5/3/76	205A	1	92	92	0	0	92	0	75,000	127	75.5	893	305.80	10.
5/3/76	205B	2	92	92	0	0	92	0	75,000	119	75.5	891	373.92	10.
5/3/76	205C	3	92	92	0	0	92	0	75,000	97	75.5	889	335.27	10.
Total				276	0	0	276							
Bent No. 206 EBB														
5/5/76	206A	1	90	90	0	0	90	0	75,000	78	74.0	888	295.51	10.
5/5/76	206B	2	90	90	0	0	90	0	75,000	82	74.0	912	304.51	10.
5/5/76	206C	3	90	90	0	0	90	0	75,000	78	74.0	887	295.51	10.
Total				270	0	0	270							
Bent No. 207 EBB														
5/5/76	207A	1	90	90	0	0	90	0	75,000	102	74.0	911	314.67	10.
5/5/76	207B	2	90	90	0	0	90	0	75,000	98	74.0	914	337.23	10.
Total				180	0	0	180							
					Total	Total	Total	Total	 Asst. Div. Const. Engr. (Bridges)					

Correct R. E. Jays Project Engineer Approved J. D. Dinkard Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
 Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 97.56 to Station 449 + 12.453 Lane (if applicable): R/R

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam EX Hammer Action: Single
6/0

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 36" Cono.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun	
									Energy Delivered	No. Blows					
						<u>Bent No. 208 EBB</u>									
5/5/76	208E	1	90	90	0	0	90	0	75,000	75	76.0	910	270.66	16.	
5/5/76	208E	2	90	90	0	0	90	0	75,000	94	76.0	913	329.51	16.	
Total				180	0	0	180								
						<u>Bent No. 209 EBB</u>									
6/10/76	209E	1	90	90	0	0	90	0	75,000	124	76.0	1009	361.29	16.	
6/10/76	209E	2	90	90	0	0	90	0	75,000	126	76.0	966	387.20	16.	
Total				180	0	0	180								
						<u>Bent No. 210 EBB</u>									
6/10/76	210E	1	90	90	0.5	0	90.5	0	75,000	130	76.5	1005	390.04	16.	
6/10/76	210E	2	90	90	1.0	0	91.5	0	75,000	135	75.0	1007	397.29	16.	
Total				180	1.5	0	181.5								
					Total	Total	Total	Total							

Correct R. E. Jace Project Engineer Approved J. D. Shankard Division Engineer

Bent 205-210 E 1267.5

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(95)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 69 + 90.56 to Station 129 + 22.153 Lane (if applicable): RT

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Fennington

Kind of Hammer: Diesel _____ Air _____ Steam X
010 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 36" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						Bent No. <u>L22-B</u>				<u>50,000</u>				
<u>6-10-76</u>	<u>L22-B</u>	<u>1</u>	<u>76</u>	<u>76</u>	<u>0</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>"</u>	<u>141</u>	<u>60.7</u>	<u>1028</u>	<u>528.93</u>	<u>15.</u>
<u>6-10-76</u>	<u>L22-B</u>	<u>2</u>	<u>76</u>	<u>76</u>	<u>2.5</u>	<u>0</u>	<u>77.5</u>	<u>0</u>	<u>"</u>	<u>221</u>	<u>62.1</u>	<u>1032</u>	<u>518.01</u>	<u>15.</u>
<u>Total</u>				<u>152</u>	<u>2.5</u>	<u>0</u>	<u>153.5</u>							
						Bent <u>L23-B</u>								
<u>6-10-76</u>	<u>L23-B</u>	<u>1</u>	<u>76</u>	<u>76</u>	<u>0</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>"</u>	<u>222</u>	<u>61.0</u>	<u>1034</u>	<u>519.18</u>	<u>15.</u>
<u>6-1-76</u>	<u>L23</u>	<u>2</u>	<u>76</u>	<u>76</u>	<u>0.5</u>	<u>0</u>	<u>76.5</u>	<u>0</u>	<u>"</u>	<u>256</u>	<u>61.5</u>	<u>1036</u>	<u>514.96</u>	<u>15.</u>
<u>Total</u>				<u>152</u>	<u>0.5</u>	<u>0</u>	<u>152.5</u>							
						Bent No. <u>L24-B</u>								
<u>6-10-76</u>	<u>L24-B</u>	<u>1</u>	<u>76</u>	<u>76</u>	<u>0</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>"</u>	<u>120</u>	<u>60.9</u>	<u>1038</u>	<u>400.00</u>	<u>15.</u>
<u>6-10-76</u>	<u>L24-B</u>	<u>2</u>	<u>76</u>	<u>76</u>	<u>0</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>"</u>	<u>150</u>	<u>60.9</u>	<u>1030</u>	<u>410.00</u>	<u>15.</u>
<u>Total</u>				<u>152</u>	<u>0</u>	<u>0</u>	<u>152</u>							
				<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Approved</u>						

Correct R. E. J... Project Engineer Approved J. D. ... Division Engineer
Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)20

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 97.56 to Station 629 + 22.653 Lane (if applicable): RHS

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Punington & Shelton

Kind of Hammer: Diesel _____ Air _____ Steam RM Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
6/1/76	634A	1	74	74	0	61	74	1	80,000			992	585.65	15.
						Bent No. 134 134								
6/7/76	634B	1	74	74	0	0	74	0	80,000	327	58.3	992	585.65	15.
6/9/76	634B	2	74	74	0	0	74	0	80,000	112	58.3	985	633.60	15.
Total				148	0	0	148							
						Bent No. 135 135								
6/3/76	635A	1	74	74	0	0	74	0	80,000	260	59.0	991	517.57	15.
6/3/76	635B	2	74	74	0	0	74	0	80,000	176	59.0	987	675.91	15.
Total				148	0	0	148							
						Bent No. 136 136								
6/3/76	636A	1	74	74	0	0	74	0	80,000	109	58.0	983	380.95	15.
6/3/76	636B	2	74	74	0	0	74	0	80,000	117	58.0	996	395.08	15.
Total				148	0	0	148							
				Total	Total	Total	Total							

Correct R. E. Joyce Project Engineer Approved J. D. ... Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
 Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
 Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 1-10-1(15)20

Road between East Faucel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.453 Lane (if applicable): EMB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam ICE
ALO Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Cond.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Group
									Energy Delivered	No. Blows				
Bent No. <u>137 EMB</u>														
6/2/76	137E	1	76	76	0	0	76	0	80,000	107	57.6	993	377.10	16.
6/2/76	137E	2	76	76	0	0	76	0	80,000	109	59.6	989	380.95	16.
Total				152	0	0	152							
Bent No. <u>138 EMB</u>														
6/2/76	138E	1	80	80	0	0	80	0	80,000	118	63.6	995	396.83	16.
6/2/76	138E	2	80	80.0	0.25	0	80.25	0	80,000	110	64.95	996	509.83	16.
Total				160.0	0.25	0	160.25							
Bent No. <u>139 EMB</u>														
6/2/76	139E	1	84	84	0	0	84	0	80,000	359	67.7	873	599.70	16.
6/2/76	139E	2	84	84	0	0	84	0	80,000	158	69.6		466.74	16.
Total				168	0	0	168							
				Total	Total	Total	Total							

Correct R. E. Jaye Project Engineer Approved J. B. Burkard Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)46

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 627 + 22.651 Lane (if applicable): 200

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McLaw & Shelton

Kind of Hammer: Diesel _____ Air _____ Steam XX
060 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut C to Gro
									Energy Delivered	No. Blows				
Bent No. 140-E														
6/1/76	140E	1	88	84	0	0	84	0	80,000	210	67.7	876	509.23	16.
6/1/76	140E	2	88	84	0	0	84	0	80,000	222	69.6	876	519.60	14.
Total				168	0	0	168							
Bent No. 141-E														
5/31/76	141E	1	96	96	0	0	96	0	80,000	203	80.0	878	502.83	16.
5/31/76	141E	2	96	96	0	0	96	0	80,000	214	81.5	877	512.82	14.
Total				192	0	0	192							
Bent No. 142-E														
5/31/76	142E	1	100	100	0	0	100	0	80,000	236	83.0	880	530.90	17.
5/31/76	142E	2	100	100	0	0	100	0	80,000	211	85.0	879	510.20	15.
Total				200	0	0	200							
				Total	Total	Total	Total							

Correct P. E. Jay Project Engineer Approved J. D. Shankard Division Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.153 Lane (if applicable): RWB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCaw & Shelton

Kind of Hammer: Diesel _____ Air _____ Steam 2 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 51" Cons.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						Bent No. <u>113-E</u>				<u>80,000</u>		Control Pile #		
5-31-76	<u>113-E</u>	<u>1</u>	<u>102</u>	<u>102</u>	<u>0</u>	<u>0</u>	<u>102</u>	<u>0</u>	"	<u>135</u>	<u>85.0</u>	<u>883</u>	<u>123.73</u>	<u>17.</u>
5-31-76	<u>113-E</u>	<u>2</u>	<u>102</u>	<u>102</u>	<u>0</u>	<u>0</u>	<u>102</u>	<u>0</u>	"	<u>216</u>	<u>87.0</u>	<u>882</u>	<u>514.67</u>	<u>15.</u>
Total				<u>204</u>	<u>0</u>	<u>0</u>	<u>204</u>							
						Bent No. <u>114-E</u>								
5-28-76	<u>114-E</u>	<u>1</u>	<u>108</u>	<u>108</u>	<u>0</u>	<u>0</u>	<u>108</u>	<u>0</u>	"	<u>168</u>	<u>91.0</u>	<u>884</u>	<u>166.74</u>	<u>17.</u>
5-28-76	<u>114-E</u>	<u>2</u>	<u>108</u>	<u>108</u>	<u>0</u>	<u>0</u>	<u>108</u>	<u>0</u>	"	<u>188</u>	<u>93.0</u>	<u>886</u>	<u>188.60</u>	<u>15.</u>
Total				<u>216</u>	<u>0</u>	<u>0</u>	<u>216</u>							
						Bent No. <u>115-E</u>								
5-28-76	<u>115-E</u>	<u>1</u>	<u>112</u>	<u>108</u>	<u>0</u>	<u>0</u>	<u>108</u>	<u>0</u>	"	<u>106</u>	<u>90.2</u>	<u>883</u>	<u>375.23</u>	<u>17.</u>
5-28-76	<u>115-E</u>	<u>2</u>	<u>112</u>	<u>108</u>	<u>0</u>	<u>0</u>	<u>108</u>	<u>0</u>	"	<u>122</u>	<u>93.0</u>	<u>885</u>	<u>683.05</u>	<u>15.</u>
Total				<u>216</u>	<u>0</u>	<u>0</u>	<u>216</u>							
				Total	Total	Total	Total	Approved	<u>April 14, 1977, Const. Hour.</u>					

Correct R. E. Jay Project Engineer Approved J. D. Dinkard Division Engineer
Bent 416-445E 4847.75 Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 153 Lane (if applicable): RRA

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Charles Shelton

Kind of Hammer: Diesel _____ Air _____ Steam o Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Cast.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						<u>Bent No. 516-E</u>			<u>80,000</u>			<u>Centre Pile #</u>		
5-21-76	516-E	1	70	70	0	0	70	0	"	322	49.4	525	503.09	20.
5-25-76	516-E	2	70	70	0	0	70	0	"	210	50.0	526	533.33	20.
Total				140	0	0	140							
						<u>Bent No. 517-E</u>								
5-21-76	517-E	1	70	70	0	0	70	0	"	211	49.4	523	510.20	20.
5-21-76	517-E	2	70	70	0	0	70	0	"	213	49.4	524	511.04	20.
Total				140	0	0	140							
						<u>Bent No. 518-E</u>								
5-21-76	518-E	1	72	72	0.5	0	72.5	0	"	300	51.6	521	571.13	20.
5-21-76	518-E	2	72	72	0	0	72.0	0	"	213	51.6	517	511.04	20.
Total				144	0.5	0	144.5							
						<u>Bent No. 519-E</u>								
5-20-76	519-E	1	72	72	0	0	72	0	"	208	51.6	515	507.61	20.
5-20-76	519-E	2	72	72	0	0	72	0	"	231	51.6	516	526.56	20.
Total				144	0	0	144							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. D. Dinkard Division Engineer
Bent 516-519 E 568.5 Const. Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

FIFTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

March 16, 1976

Mr. C. A. Bowles, Engineer
Bureau of Construction
State of Alabama Highway Department
Montgomery, Alabama 36130

Re: Project I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached are four(4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven in Bents 363 through 410 Westbound Bridge and Bents 541 through 551 Eastbound Bridge on the above referenced project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

A handwritten signature in cursive script, appearing to read "T. G. Drinkard".

By: _____
T. G. Drinkard
Division Construction Engineer

JSH/wph

cc: Mr. D. C. Collins
Mr. R. E. Jaye
File _____

Attachment



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 BELTLINE HIGHWAY, NORTH
P. O. BOX 7158
MOBILE, ALABAMA 36607
Telephone: 471-3441

March 9, 1976

D
Collins
Heritage

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
Mobile, Alabama

Re: Project No. I-10-1(35)28
Mobile & Baldwin Counties

Dear Sir:

Attached hereto are Pile Driving Record for Prestressed
Concrete Piling (54" Round) driven in the bents listed below.

Bent 363 WBB thru 410 WBB

Bent 541 EBB thru 551 EBB

This is only a partial submission of 54" Round Piling.

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 1220-1(35)28

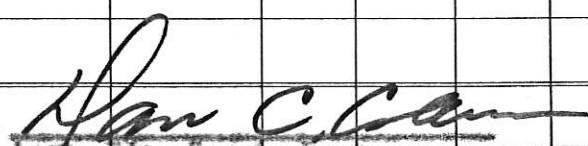
Road between East Tunnel Interchange and Spanish Post

Bridge: Station 60 + 99.96 to Station 629 + 22.453 Lane (if applicable): East

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Grace

Kind of Hammer: Diesel _____ Air _____ Steam X
08 Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						<u>Test No.</u>	<u>551 EHP</u>		<u>75,000</u>			<u>Center Pile No.</u>		
1-20-76	551-E	1	86.0	86.0	0	1.90	81.10	0	"	328	62.90	498	519.45	21.
1-21-76	551-E	2	86.0	86.0	0	2.85	83.15	0	"	305	62.15	499	538.41	21.
1-21-76	551-E	3	86.0	86.0	0	2.15	83.55	0	"	316	62.15	495	513.87	21.
Total				258.0	0	7.20	250.80							
						<u>Test No.</u>	<u>550-E</u>							
1-23-76	550-E	1	86.0	86.0	0	2.17	83.53	0	"	298	63.13	497	531.95	20.
1-23-76	550-E	2	86.0	86.0	0	1.10	81.90	0	"	305	61.90	500	538.42	20.
1-23-76	550-E	3	86.0	86.0	0	1.25	81.75	0	"	326	65.15	496	518.25	19.
Total				258.0	0	4.82	253.18							
				Total	Total	Total	Total	Approved						

Correct R. E. Jaye
Project Engineer

Approved J. D. Shankard
Division Engineer, Engineer

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 1-10-1(35)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.36 to Station 629 + 22.63 Lane (if applicable): 600

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 34" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group	
									Energy Delivered	No. Blows					
				Bent No. 543											
2/13/76	543	1	84	84	0	0	84	0	75,000	222	63.6	586	487.01	2	
2/16/76	543	2	84	84	0	0	84	0	75,000	232	64.0	583	493.73	2	
2/16/76	543	3	84	84	0	0	84	0	75,000	212	64.7	582	501.00	2	
2/16/76	543	4	84	84	0	0	84	0	75,000	235	63.9	579	496.69	2	
Total				336	0	0	336								
				Bent No. 542											
2/17/76	542	1	84	84	6.75	0	90.75	0	75,000	280	70.75	581	525.21	2	
2/17/76	542	2	84	84	11.17	0	95.17	0	75,000	284	74.87	640	527.43	2	
2/18/76	542	3	84	84	10.08	0	94.08	0	75,000	292	73.28	639	531.91	2	
Total				252	28.0	0	280.0								
				Bent No. 541											
3/4/76	541-1	1	84	84	0.50	0	84.50	0	75,000	312	64.4	575	555.56	2	
3/4/76	541-2	2	84	84	1.00	0	85.00	0	75,000	354	64.7	577	560.54	2	
3/5/76	541-3	3	84	96 204	0 1.50	10.00	86.00 255.50	0	75,000	314	65.9	707	542.69	2	
Total															
				Total	Total	Total	Total								

Correct R. E. Jay Project Engineer Approved J. D. ... Division Engineer

Bent 541-551E 3530.85

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
Also show any changes in plans on back.