



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 6, 1978

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 records for prestressed piling (54" Round) driven in the bents listed below.

Bent	14 EBB	thru	65 EBB
Bent	5 WBB	thru	17 WBB

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

Attach:
cc: Mr. D. C. Collins
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

March 2, 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 17 through 69 Westbound Bridge. /2560.5

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

JSH:lc
Attach.

cc: Mr. D. C. Collins
Mr. R. E. Jaye
Filet



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 27, 1978

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 records for prestressed piling (54" Round) driven in the bents listed below.

Bent 17 WBB thru 69 WBB

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

Attach.
cc: Mr. D. C. Collins
File

Collins C
Henley

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

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.

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

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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0/8}$. 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	23 W.					Contr. Pile #		
11/28/77	23W	1	92	92	0	0	92	0	75,000	87	74	2562	315.26	18
11/28/77	23W	2	92	92	0	0	92	0	75,000	89	74	2564	319.42	18
Total				184	0	0	184							
						BENT	24 W.							
11/28/77	24W	1	92	92	0	0	92	0	75,000	88	74	2566	317.39	18
11/28/77	24W	2	92	92	0	0	92	0	75,000	91	74	2568	323.55	18
Total				184	0	0	184							
						BENT	25 W.							
11/28/77	25W	1	92	92	0	0	92	0	75,000	156	74	2542	423.97	18
11/28/77	25W	2	92	92	0	0	92	0	75,000	194	74	2567	463.54	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct R. E. [Signature] Approved _____
Project Engineer 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 429 + 22.453 Lane (if applicable): WBB

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.

[illegible]

Correct K. E. Parn 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 429 + 22.453 Lane (if applicable): WBB

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"

[illegible]

Correct 1 - 2 / 100% Project Engineer Approved _____ 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): WBB

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.

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	32 W					Contr. Pile#		
11/30/77	32W	1	92	92	0	0	92	0	75,000	129	74	2533	388.60	18
11/30/77	32W	2	92	92	0	0	92	0	75,000	227	74	2532	137.77	18
Total				184	0	0	184							
						BENT	33 W							
12/1/77	33W	1	92	92	0	0	92	0	75,000	198	74	2552	467.00	18
12/1/77	33W	2	92	92	0	0	92	0	75,000	114	74	2571	365.50	18
Total				184	0	0	184							
						BENT	34 W							
12/1/77	34W	1	92	92	0	0	92	0	75,000	100	74	2559	340.91	18
12/1/77	34W	2	92	92	0	0	92	0	75,000	140	74	2573	403.88	18
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct R. E. Jain 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 East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0/8}$ Hammer Action: Single

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

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 35	WBB				Contr. Pile #		
12/1/77	35W	1	92	92	0	0	92	0	75,000	109	74	2557	357.14	18
12/1/77	35W	2	92	92	0	0	92	0	75,000	142	74	2572	406.50	18
Total				184	0	0	184							
							BENT 36	WBB						
12/1/77	36W	1	92	92	0	0	92	0	75,000	137	74	2556	400.00	18
12/1/77	36W	2	92	92	0	0	92	0	75,000	117	74	2570	370.37	18
Total				184	0	0	184							
							BENT 37	WBB						
12/2/77	37W	1	92	92	0	0	92	0	75,000	170	82	2554	439.88	10
12/2/77	37W	2	92	92	0	0	92	0	75,000	108	82	2558	355.28	10
Total				184	0	0	184							
				Total	Total	Total	Total							

Correct _____ Approved _____
Project 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): WBB
 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 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 WBB					Contr. Pile #		
12/2/77	38W	1	92	92	0	0	92	0	75,000	180	82	2563	450.18	10
12/2/77	38W	2	92	92	0	0	92	0	75,000	195	82	2553	464.40	10
Total				184	0	0	184							
							BENT 39 WBB							
12/2/77	39W	1	92	92	2.5	0	94.5	0	75,000	120	84.5	2555	375.00	10
12/2/77	39W	2	92	92	1.0	0	93.0	0	75,000	140	83	2561	403.88	10
Total				184	3.5	0	187.5							
							BENT 40 WBB							
12/22/77	40W	1	92	96	0	0	96	0	75,000	150	81	2589	416.67	15
12/22/77	40W	2	92	96	0	0	96	0	75,000	183	81	2610	453.17	15
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct R. E. Jones 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): WBB

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.

[illegible]

Correct K. E. [Signature] 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 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): WBB

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 Pene- tration	Kind of Soil	Com- puted Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
						BENT 44 WBB						Contr. Pile #		
12/27/77	44W	1	92	96	0	0	96	0	75,000	215	76	2606	481.39	20
12/27/77	44W	2	92	96	0	0	96	0	75,000	203	76	2603	471.40	20
Total				192	0	0	192							
						BENT 45 WBB								
12/27/77	45W	1	92	96	0	0	96	0	75,000	180	76	2604	450.18	20
12/27/77	45W	2	92	96	0	0	96	0	75,000	190	76	2602	459.84	20
Total				192	0	0	192							
						BENT 46 WBB								
12/28/77	46W	1	92	96	0	0	96	0	75,000	176	76	2605	446.16	20
12/28/77	46W	2	92	96	0	0	96	0	75,000	180	76	2607	450.18	20
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct P. E. K. K. 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 East Tunnel Interchange and Spanish Fort

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

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"

[illegible]

Correct K. E. J. 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.

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

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 + 22.456 Lane (if applicable): WB B

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.

[illegible]

Correct K. E. Allen Project Engineer Approved xxxxx 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): WBB

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	CutOff to Ground
									Energy Delivered	No. Blows				
					BENT	56 WBB						Contr. Pile #		
1/13/78	56W	1	106	106	0	0	106	0	75,000	152	87	2638	419.23	19
1/13/78	56W	2	106	106	0	0	106	0	75,000	179	87	2639	449.10	19
Total				212	0	0	212							
					BENT	57 WBB								
1/16/78	57W	1	108	108	0	0	108	0	75,000	124	87	2647	381.29	21
1/16/78	57W	2	108	108	0	0	108	0	75,000	154	87	2644	421.59	21
1/16/78	57W	3	108	108	0	0	108	0	75,000	240	87	2643	500.00	21
Total				324	0	0	324							
					BENT	58 WBB								
1/17/78	58W	1	112	112	0	0	112	0	75,000	209	87	2632	476.49	21
1/16/78	58W	2	112	112	0	0	112	0	75,000	134	87	2631	395.78	21
1/17/78	58W	3	112	112	0	0	112	0	75,000	340	87	2633	554.76	21
Total				336	0	0	336							
				Total	Total	Total	Total							

Correct K E Project Engineer Approved _____ Division XXXXX 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): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett
Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
078
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 59 WBB						Contr. Pile#		
1/17/78	59W	1	114	116	0	0	116	0	75,000	168	95	2634	437.57	21
1/17/78	59W	2	114	116	0	0	116	0	75,000	243	95	2635	502.34	21
1/17/78	59W	3	114	116	0	0	116	0	75,000	213	95	2637	479.85	21
Total				348	0	0	348							
						BENT 60 WBB								
1/18/78	60W	1	116	116	0	0	116	0	75,000	110	94	2651	358.85	22
1/18/78	60W	2	116	116	0	0	116	0	75,000	143	94	2636	407.83	22
1/18/78	60W	3	116	116	0	0	116	0	75,000	156	94	2653	423.97	22
Total				348	0	0	348							
						BENT 61 WBB								
1/18/78	61W	1	118	118	0	0	118	0	75,000	240	84	2648	500.00	34
1/18/78	61W	2	118	118	0	0	118	0	75,000	112	84	2650	362.14	34
1/18/78	61W	3	118	118	0	0	118	0	75,000	100	84	2649	340.91	34
Total				354	0	0	354							
				Total	Total	Total	Total							

Correct [Signature] Project Engineer Approved _____ Division XXXXXX Cons t. 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): WBB
 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	CutOff to Ground
									Energy Delivered	No. Blows				
					BENT	62 WBB						Contr. Pile#		
1/19/78	62W	1	122	122	0	0	122	0	75,000	215	76	2645	481.39	46
1/18/78	62W	2	122	122	0	0	122	0	75,000	210	76	2647	477.40	46
1/19/78	62W	3	122	122	0	0	122	0	75,000	133	76	2646	394.32	46
Total				366	0	0	366							
					BENT	63 WBB								
12/6/77	63W	1	124	124	0	0	124	0	75,000	140	75	2587	403.88	49
12/7/77	63W	2	124	124	0	0	124	0	75,000	120	75	2584	375.00	49
12/7/77	63W	3	124	124	0	0	124	0	75,000	128	75	2583	387.20	49
12/7/77	63W	4	124	124	0	0	124	0	75,000	225	75	2582	489.24	49
12/6/77	63W	5	124	124	0	0	124	0	75,000	120	75	2586	375.00	49
12/7/77	63W	6	124	124	0	0	124	0	75,000	200	75	2585	468.75	49
Total				744	0	0	744							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division ~~Highway~~ 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): WBB
 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	CutOff to Ground
									Energy Delivered	No. Blows				
												Contr. Pile #		
12/18/77	64W	1	128	128	0	0	128	0	75,000	235	79	2577	496.69	49
12/18/77	64W	2	128	134	0	16.5	117.5	0	75,000	195	79	2289	464.40	49
12/18/77	64W	3	128	128	0	0	128	0	75,000	186	79	2581	455.93	49
Total				390	0	16.5	373.5							
12/8/77	65W	1	128	128	0	0	128	0	75,000	110	79	2580	358.85	49
12/8/77	65W	2	128	128	0	0	128	0	75,000	301	79	2578	536.48	49
12/13/77	65W	3	128	128	0	0	128	0	75,000	112	79	2579	362.14	49
Total				384	0	0	384							
12/14/77	66W	1	132	132	0	0	132	0	75,000	302	83	2574	536.86	49
12/14/77	66W	2	132	132	0	0	132	0	75,000	280	83	2576	525.21	49
12/14/77	66W	3	132	132	0	0	132	0	75,000	298	83	2575	534.95	49
Total				396	0	0	396							
				Total	Total	Total	Total							

Correct L. E. Jan Approved _____
 Project Engineer Division xxxxx 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): WBB

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	CutOff to Ground
									Energy Delivered	No. Blows				
						BENT	67 WBB					Contr. Pile#		
12/15/77	67W	1	132	132	0	0	132	0	75,000	312	83	2600	541.91	49
12/14/77	67W	2	132	132	0	0	132	0	75,000	500	83	2601	604.84	49
12/15/77	67W	3	132	132	0	0	132	0	75,000	386	83	2599	572.52	49
Total				396	0	0	396							
						BENT	68 WBB							
12/15/77	68W	1	106	106	0	0	106	0	75,000	149	57	2597	415.51	49
12/15/77	68W	2	106	106	0	0	106	0	75,000	206	57	2598	474.08	49
12/15/77	68W	3	106	106	0	0	106	0	75,000	148	57	2593	414.36	49
Total				318	0	0	318							
						BENT	69 WBB							
12/16/77	69W	1	106	106	0	0	106	0	75,000	186	46	2591	455.93	60
12/15/77	69W	2	106	106	0	0	106	0	75,000	160	46	2595	428.57	60
12/15/77	69W	3	106	106	0	0	106	0	75,000	200	46	2596	468.75	60
Total				318	0	0	318							
				Total	Total	Total	Total							

APPROVED: *[Signature]*

Asst. Div. Const. Engineer (Bridges)

Correct *[Signature]* Approved *[Signature]*

Project Engineer

Division Engineer Const. Engineer

Bent 17-69W 12560.5

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.



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

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:

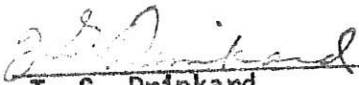
Bent No. 70 - Westbound Bridge
Bent No. 75 - Westbound Bridge
through 81

This completes the 54" piling on this project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:


T. G. Drinkard

Division Construction Engineer

JSH:lc

Attachment

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 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 records for prestressed piling (54" round) driven in the bents listed below.

Bent 70W
Bent 75W thru 81W

This completes the 54" piling on the above referenced project.

Should additional information be desired, please advise.

Yours truly,

A handwritten signature in dark ink, appearing to read "R. E. Uaye".

R. E. Uaye
Resident Engineer

Attach.

cc: Mr. D. C. Collins
File

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 + 77 Lane (if applicable): WBB

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

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

Hammer Action: Robertson

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

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 70 W					Contr. Pile #		
12/19/77	70W	1	106	106	0	0	106	0	75,000	160	60	2590	428.57	46
12/16/77	70W	2	106	106	0	0	106	0	75,000	147	60	2594	413.00	46
12/19/77	70W	3	106	106	0	0	106	0	75,000	168	60	2592	437.58	46
Total				318	0	0	318							
							BENT 75 W							
4/5/78	75W	1	106	106	0	0	106	0	75,000	220	68	2655	485.44	38
4/4/78	75W	2	106	106	0	0	106	0	75,000	260	68	2656	513.35	38
4/5/78	75W	3	106	106	0	0	106	0	75,000	165	68	2654	434.28	38
Total				318	0	0	318							
							BENT 76 W							
4/4/78	76W	1	106	106	0	0	106	0	75,000	340	72	2657	557.21	34
4/3/78	76W	2	106	106	0	0	106	0	75,000	250	72	2660	506.76	34
4/4/78	76W	3	106	106	0	0	106	0	75,000	250	72	2653	506.76	34
Total				318	0	0	318							
				Total	Total	Total	Total							

Correct P. E. Jones Project Engineer Approved XXXXX 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

Load between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429+77 Lane (if applicable): WBB

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

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" 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	CutOff to Ground
									Energy Delivered	No. Blows				
							BENT 77 W					Contr. Pile #		
4/3/78	77W	1	106	106	0	0	106	0	75,000	539	74	2662	613.75	32
3/31/78	77W	2	106	106	0	0	106	0	75,000	255	74	2661	510.20	32
4/3/78	77W	3	106	106	0	0	106	0	75,000	160	74	2659	428.57	32
Total				318	0	0	318							
							BENT 78 W							
3/31/78	78W	1	106	106	0	0	106	0	75,000	198	74	2664	467.00	32
3/30/78	78W	2	106	106	0	0	106	0	75,000	225	74	2663	489.24	32
3/30/78	78W	3	106	106	0	0	106	0	75,000	205	74	2658	473.19	32
Total				318	0	0	318							
							BENT 79 W							
3/30/78	79W	1	106	106	0	0	106	0	75,000	148	74	2666	414.36	32
3/29/78	79W	2	106	106	0	0	106	0	75,000	234	74	2667	496.03	32
3/30/78	79W	3	106	106	0	0	106	0	75,000	150	74	2665	416.67	32
Total				318	0	0	318							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division XXXXX 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.

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

APPROVED: 
Asst. Div. Const. Engr. (Bridge)

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

August 30, 1977

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

Re: Project No. 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:

Bent	71 Westbound Bridge	848.0
Bent	74 Westbound Bridge	848.0
Bents	130 through 137 Westbound Bridge	1700.0
Bent	71 Eastbound Bridge	848.0
Bents	74 through 82 Eastbound Bridge	3689.5
Bents	89 through 132 Eastbound Bridge	8940.25
Bents	160 through 168 Eastbound Bridge	2028.75
Bents	334 through 345 Eastbound Bridge	3456.0

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

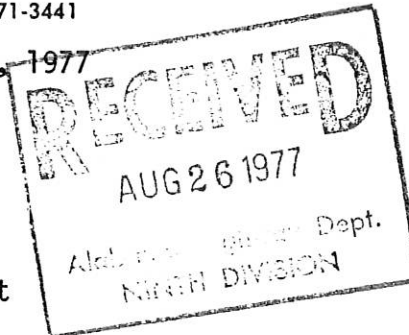


RAY D. BASS
HIGHWAY DIRECTOR

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

August 23, 1977



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 records for prestressed piling
(54" Round) driven in the bents listed below.

Bent	71 WBB
Bent	74 WBB
Bent	130 WBB thru 137 WBB
Bent	71 EBB
Bent	74 EBB thru 82 EBB
Bent	89 EBB thru 132 EBB
Bent	160 EBB thru 168 EBB
Bent	334 EBB thru 345 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

Attach.
cc: Mr. D. C. Collins
File

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): WBB

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

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

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 Ground
									Energy Delivered	No. Blows				
4/4/77	71-W	1	106	106	0	0	BENT NO. 71 WBB 106	0	75,000	151	60.0	Contr. # 1970	418.06	46.
4/1/77	71-W	2	106	106	0	0	106	0	"	215	60.0	1987	481.39	46.
4/4/77	71-W	3	106	106	0	0	106	0	"	161	60.0	1990	429.80	46.
4/4/77	71-W	4	106	106	0	0	106	0	"	170	60.0	1963	439.88	46.
4/4/77	71-W	5	106	106	0	0	106	0	"	190	60.0	1972	459.84	46.
4/4/77	71-W	6	106	106	0	0	106	0	"	154	60.0	1989	421.59	46.
4/1/77	71-W	7	106	106	0	0	106	0	"	160	60.0	1988	428.58	46.
4/4/77	71-W	8	106	106	0	0	106	0	"	181	60.0	1965	451.26	46.
Total				848	0	0	848							
4/19/77	74-W	1	106	106	0	0	BENT NO. 74 WBB 106	0	"	189	60.0	1986	459.00	46.
4/19/77	74-W	2	106	106	0	0	106	0	"	198	60.0	1974	467.00	46.
4/11/77	74-W	3	106	106	0	0	106	0	"	151	60.0	1968	418.06	46.
4/20/77	74-W	4	106	106	0	0	106	0	"	176	60.0	1978	446.16	46.
4/20/77	74-W	5	106	106	0	0	106	0	"	201	60.0	1975	469.63	46.
4/11/77	74-W	6	106	106	0	0	106	0	"	160	60.0	1966	428.58	46.
4/19/77	74-W	7	106	106	0	0	106	0	"	204	60.0	1981	472.29	46.
4/19/77	74-W	8	106	106	0	0	106	0	"	210	60.0	1977	477.40	46.
Total				848 Total	0 Total	0 Total	848 Total							

Correct R. E. Jan 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 429+22.453 Lane (if applicable): WBB

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

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	130	WBB				Contr. Pile #		
1/2/77	130W	1	102	112	0	0	112	0	75,000	199	96	2199	467.87	16.0
1/2/77	130W	2	102	112	0	0	112	0	75,000	179	96	2189	449.10	16.0
Total				224	0	0	224							
						BENT	131	WBB						
1/2/77	131W	1	102	108	0	0	108	0	75,000	205	92	2205	473.19	16.0
1/2/77	131W	3	102	108	0	0	108	0	75,000	199	92	2207	467.87	16.0
Total				216	0	0	216							
						BENT	132	WBB						
1/28/77	132W	1	102	108	0	0	108	0	75,000	215	92	2208	481.39	16.0
1/28/77	132W	2	102	108	0	0	108	0	75,000	187	92	2206	457.04	16.0
Total				216	0	0	216							
						BENT	133	WBB						
1/28/77	133W	1	102	108	0	0	108	0	75,000	205	92	2164	473.19	16.0
1/28/77	133W	2	102	108	0	0	108	0	75,000	184	92	2165	454.00	16.0
Total				216	0	0	216							
				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 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): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Grace
Kind of Hammer: Diesel _____ Air _____ Steam X
0/8 Hammer Action: Single Stroke
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 134 WBB						Contr. Pile #		
7/26/77	134W	1	102	108	0	0	108	0	75,000	192	92	2166	461.54	16.0
7/26/77	134W	2	102	108	0	0	108	0	75,000	181	92	2166	451.26	16.0
Total				216	0	0	216							
						BENT 135 WBB								
7/27/77	135W	1	88	102	0	0	102	0	75,000	174	86	2162	444.05	16.0
7/27/77	135W	2	88	102	0	0	102	0	75,000	189	86	2160	459.00	16.0
Total				204	0	0	204							
						BENT 136 WBB								
7/22/77	136W	1	88	102	0	0	102	0	75,000	160	86	2159	428.57	16.0
7/22/77	136W	2	88	102	0	0	102	0	75,000	174	86	2161	444.05	16.0
Total				204	0	0	204							
						BENT 137 WBB								
7/25/77	137W	1	88	102	0	0	102	0	75,000	145	86	2159	410.51	16.0
7/25/77	137W	2	88	102	0	0	102	0	75,000	141	86	2161	405.19	16.0
Total				204	0	0	204							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division Engineer Const. Engr.
Bent 130-137 W 1700.0

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



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

October 12, 1977

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 records for prestressed piling (54" Round) driven in the bents listed below.

Bent	66 EBB thru	68 EBB
Bent	83 EBB thru	88 EBB
Bent	82 WBB thru	103 WBB
Bent	168 WBB thru	174 WBB

168, 169, 170, 174

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

Should additional information be desired, please advise.

Yours truly,

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 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): WBB

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.

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. 82	WBB				Contr. No.		
6/6/77	82W	1	104	104	0	0	104	0	75,000	152	70.0	2043	419.23	34.0
6/3/77	82W	2	104	104	0	0	104	0	75,000	148	70.0	2041	414.36	34.0
6/6/77	82W	3	104	104	0	0	104	0	75,000	150	70.0	2042	416.67	34.0
6/3/77	82W	4	104	104	0	0	104	0	75,000	161	70.0	2046	429.80	34.0
6/6/77	82W	5	104	104	0	0	104	0	75,000	149	70.0	2044	415.51	34.0
6/6/77	82W	6	104	104	0.5	0	104.5	0	75,000	174	70.5	2040	444.05	34.0
Total				624	0.5	0	624.5							
				Total	Total	Total	Total							

Correct K. E. Jais Approved _____
Project Engineer 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.

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): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Barnett
Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
080
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 NO. 83W						Contr. No.		
9/28/77	83W	1	102	102	0	0	102	0	75,000	172	72	2373	441.96	30
9/28/77	83W	2	102	102	0	0	102	0	75,000	175	72	2367	445.10	30
9/28/77	83W	3	102	102	0	0	102	0	75,000	190	72	2371	459.84	30
Total				306	0	0	306							
						BENT NO. 84W								
9/27/77	84W	1	102	102	0	0	102	0	75,000	178	86	2377	448.03	16
9/27/77	84W	2	102	102	0	0	102	0	75,000	185	84	2372	455.10	18
9/27/77	84W	3	102	102	0	0	102	0	75,000	181	82	2375	451.26	20
Total				306	0	0	306							
						BENT NO. 85W								
9/27/77	85W	1	102	102	0	0	102	0	75,000	311	86	2374	541.52	16
9/27/77	85W	2	102	102	0	0	102	0	75,000	246	84	2378	504.37	18
9/27/77	85W	3	102	102	0	0	102	0	75,000	220	82	2376	485.44	20
Total				306	0	0	306							
			1	Total	Total	Total	Total							

Correct R. E. Lantz 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.

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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
080

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				
						BENT NO. 86 W						Contr. No.		
9/26/77	86W	1	102	102	0	0	102	0	75,000	203	86	2379	471.40	16
9/26/77	86W	2	102	102	0	0	102	0	75,000	200	84	2370	468.75	18
9/26/77	86W	3	102	102	0	0	102	0	75,000	230	82	2380	493.10	20
Total				306	0	0	306							
						BENT NO. 87 W								
9/26/77	87W	1	96	96	0	0	96	0	75,000	212	80	2356	478.93	16
9/26/77	87W	2	96	96	0	0	96	0	75,000	180	78	2358	450.18	18
9/26/77	87W	3	96	96	0	0	96	0	75,000	244	76	2357	503.02	20
Total				288	0	0	288							
						BENT NO. 88 W								
9/21/77	88W	1	96	96	0	0	96	0	75,000	239	80	2355	499.33	16
9/21/77	88W	2	96	96	0	0	96	0	75,000	241	78	2359	501.00	18
9/21/77	88W	3	96	96	0	0	96	0	75,000	271	76	2360	520.11	20
Total				288	0	0	288							
				Total	Total	Total	Total							

Correct R. E. Jain 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.

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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam X _____
080

Hammer Action: Single

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

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. 89W					Contr. No.		
9/15/77	89W	1	96	96	0	0	96	0	75,000	169	80	2351	438.60	16
9/15/77	89W	2	96	96	0	0	96	0	75,000	173	76	2349	443.00	20
Total				192	0	0	192							
						BENT	NO. 90W							
9/15/77	90W	1	96	96	0	0	96	0	75,000	170	80	2352	439.88	16
9/15/77	90W	2	96	96	0	0	96	0	75,000	168	76	2354	437.57	20
Total				192	0	0	192							
						BENT	NO. 91W							
9/14/77	91W	1	96	96	0	0	96	0	75,000	180	80	2329	450.18	16
9/14/77	91W	2	96	96	0	0	96	0	75,000	183	76	2328	453.17	20
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct K. E. Jain Approved _____
Project Engineer 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.

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

Kind of Hammer: Diesel _____ Air _____ Steam X
080 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	CutOff to Grounc
									Energy Delivered	No. Blows				
						BENT NO. 92W						Contr. No.		
9/12/77	92W	1	96	96	0	0	96	0	75,000	305	80	2327	538.41	16
9/12/77	93W	2	96	96	1	0	97	0	75,000	179	76	2330	449.10	20
Total				192	1	0	193							
						BENT NO. 93W								
9/12/77	93W	1	100	102	0	0	102	0	75,000	180	86	2333	450.18	16
9/12/77	93W	2	100	102	0	0	102	0	75,000	175	82	2331	445.10	20
Total				204	0	0	204							
						BENT NO. 94W								
9/9/77	94W	1	100	102	0	0	102	0	75,000	116	86	2336	368.73	16
9/9/77	94W	2	100	102	0	0	102	0	75,000	120	82	2335	375.00	20
Total				204	0	0	204							

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.

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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam X .
080

Hammer Action: Single

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

[illegible]

Correct K. E. Jain Approved _____
Project Engineer 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.

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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam X
0780

Hammer Action: Single

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

[illegible]

Correct P. E. Daye Approved _____
Project Engineer Division ~~Const. Engr.~~ 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.

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): WB

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0/80}$

Hammer Action: Single

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

Size of Piling: 54"

[illegible]

Correct L. E. Fall Approved

Project Engineer

Division ~~Civil~~ 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.

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): WBB

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

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"

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	168WBB					Contr. No.		
8/30/77	168W	1	100	102	0	0	102	0	75,000	235	81.0	2288	496.69	21.0
8/30/77	168W	2	100	102	0	0	102	0	75,000	230	81.0	2287	493.10	21.0
Total				204	0	0	204							
						BENT	169WBB							
8/31/77	169W	1	100	102	0	0	102	0	75,000	147	81.0	2275	413.00	21.0
8/31/77	169W	2	100	102	0	0	102	0	75,000	145	81.0	2274	410.51	21.0
Total				204	0	0	204							
						BENT	170WBB							
8/31/77	170W	1	100	102	0	0	102	0	75,000	141	81.0	2282	405.19	21.0
8/31/77	170W	2	100	102	0	0	102	0	75,000	142	81.0	2285	406.50	21.0
Total				204	0	0	204							
						BENT	174WBB							
8/5/77	174W	1	100	102	0	0	102	0	75,000	141	81.0	2243	405.19	21.0
8/5/77	174W	2	100	102	0	0	102	0	75,000	155	81.0	2243	422.77	21.0
8/5/77	174W	3	100	102	0	0	102	0	75,000	147	81.0	2243	413.00	21.0
Total				306	0	0	306							
				Total	Total	Total	Total							

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

Bent 168-169-170-174 W 918.0

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketch on back showing numbering sequence of piles in shutments, caissons bents and bent footings



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

RAY D. BASS
HIGHWAY DIRECTOR

June 5, 1975

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

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

Dear Sir:

Attached are four(4) copies of pile driving records for HP 12 x 53 (Copper Bearing) piling driven in Bents 72 and 73, Westbound and Eastbound lanes of the above referenced project.

This completes Item 515-M, steel piling (HP 12 x 53), on the project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

JSH/drm
Attach.

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

Checked



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

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

Resident Engineer's Office
P. O. Box 16025
Mobile, Alabama 36616

May 30, 1975

Mr. T. G. Drinkard
Division Construction Engineer
State of Alabama Highway Department
P. O. Box 7158
Mobile, Alabama 36607

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

Dear Sir:

Attached hereto are pile driving record for HP 12 x 53 (Copper Bearing) Piling driven in Bents 72 & 73 W. B. B. and 72 & 73 E. B. B.

This completes item 515-M Steel Piling (HP 12 x 53)

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye
R. E. Jaye
Resident Engineer

cc: Mr. Dan Collins
File

*checked for
final 3/30/78
Howell*

*OK'd
Collins
Heston*

*Ok'd by
RG 6/5/75*

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF STEEL 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): W. B. R.
Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate
Pile Drivers Inspector Jerry Carroll

Bents numbered as per plans. In general, piles numbered from left to right.

Kind of Hammer: Gravity _____ Diesel _____ Air ☒ Steam _____. Hammer Action: single

Energy delivered = Effective WH or E, depending on type of hammer. Size of Piling 12 x 53

[illegible]

Correct R. E. Jarry
Project Engineer

Approved

Division Engineer

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 STEEL PILING

County Mobile-Baldwin Division 9 Project I-10-2(35)28
Road between East Tunnel Interchange and Spanish Fort
Bridge: Station 60 + 99.56 to Station 629 + 22.453 Lane (if applicable): W. B. B.
Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate
Pile Drivers Inspector Jerry Orrell

Bents numbered as per plans. In general, piles numbered from left to right.

Kind of Hammer: Gravity _____ Diesel _____ Air x Steam _____. Hammer Action: single

Energy delivered = Effective WH or E, depending on type of hammer. Size of Piling 12 x 53

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	No. Splices in Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last 10 Blows		Total Penetration	No.	Computed Bearing	CutOff to Ground
										Energy Delivered	Penetr. 10 Blows				
	72-W	FOOTING NO. 2			BENT 72 W. B. B.										
5-27-75	72W	1	98	100	1	0	2	98	1	19,500	5 1/2	76.0	K16638	30.00	21
5-27-75	72W	2	98	100	1	0	2	98	1	19,500	5 1/2	76.0	K16638	31.20	21
5-27-75	72W	3	98	100	1	0	2	98	1	19,500	5 1/2	76.0	H07874	30.00	21
5-27-75	72W	4	98	100	1	0	2	98	1	19,500	5 3/4	76.0	K16638	28.89	21
5-26-75	72W	5	98	100	1	0	3	97	1	19,500	5 1/2	76.0	K16638	31.20	21
5-26-75	72W	6	97	100	1	0	3	97	1	19,500	5 1/2	76.0	K16638	30.00	21
5-26-75	72W	7	97	100	1	0	3	97	1	19,500	5 1/2	76.0	H07874	30.00	21
5-26-75	72W	8	97	100	1	0	3	97	1	19,500	5 1/2	76.0	K16638	31.20	21
5-26-75	72W	9	97	100	1	0	3	97	1	19,500	5 1/2	76.0	K16638	31.20	21
5-26-75	72W	10	97	100	1	0	3	97	1	19,500	6	76.0	K16638	27.86	21
5-26-75	72W	11	97	100	1	0	3	97	1	19,500	5 1/2	76.0	K16638	31.20	21
5-26-75	72W	12	97	100	1	0	3	97	1	19,500	5 1/2	76.0	H07874	30.00	21
5-29-75	72W	13	98	100	1	0	2	98	1	19,500	5 1/2	76.0	H07874	30.00	21
5-29-75	72W	14	98	100	1	0	2	98	1	19,500	5 3/4	76.0	K16638	28.89	21
5-29-75	72W	15	98	100	1	0	2	98	1	19,500	5 1/2	76.0	K16638	30.00	21
5-29-75	72W	16	98	100	1	0	2	98	1	19,500	5 1/2	76.0	K16638	30.00	21
				21,000		Total	Total	21,500		APPROVED				Asst. Div. Const. Engr. (Br.)	

Correct K. E. Jay Project Engineer Approved [Signature] Division Engineer

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 STEEL 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): W. B. L.

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

Bents numbered as per plans. In general, piles numbered from left to right.

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

Energy delivered = Effective WH or E, depending on type of hammer. Size of Piling 12 X 53

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	No. Splices in Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last 10 Blows		Total Penetration	Heat No.	Computed Bearing	Cut to Ground
										Energy Delivered	Penetr. 10 Blows				
	BENT 73 W. B. L. FOOTING NO. 1														
3/31/75	73	1	98.0	100.00	1	0	2	98	1	19,500	5 1/4	76.0	K16638	31.20	21
3/31/75	73	2	98.0	100.00	1	0	2	98	1	19,500	5	76.0	K16638	32.50	21
3/31/75	73	3	98.0	100.00	1	0	2	98	1	19,500	5 1/4	76.0	K16638	31.20	21
3/31/75	73	4	98.0	100.00	1	0	2	98	1	19,500	5	76.0	K16638	32.50	21
3/27/75	73	5	97.0	100.00	1	0	3	97	1	19,500	4 3/4	76.0	H07195	33.91	21
3/27/75	73	6	97.0	100.00	1	0	3	97	1	19,500	5	76.0	H07195	32.50	21
3/28/75	73	7	97.0	100.00	1	0	3	97	1	19,500	5 1/4	76.0	H07195	31.20	21
3/28/75	73	8	97.0	100.00	1	0	3	97	1	19,500	4 3/4	76.0	K16638	33.91	21
3/27/75	73	9	97.0	100.00	1	0	3	97	1	19,500	5 1/4	76.0	H07195	31.20	21
3/27/75	73	10	97.0	100.00	1	0	3	97	1	19,500	5 1/4	76.0	H07195	31.20	21
3/28/75	73	11	97.0	100.00	1	0	3	97	1	19,500	5 1/4	76.0	H07195	31.20	21
3/27/75	73	12	97.0	100.00	1	0	3	97	1	19,500	5 3/4	76.0	H07674	28.89	21
4/1/75	73	13	98.0	100.00	1	0	2	98	1	19,500	4 3/4	76.0	H07195	33.91	21
4/1/75	73	14	98.0	100.00	1	0	2	98	1	19,500	4 3/4	76.0	K16638	33.91	21
4/1/75	73	15	98.0	100.00	1	0	2	98	1	19,500	4 3/4	76.0	K16638	33.91	21
4/1/75	73	16	98.0	100.00	1	0	2	98	1	19,500	5 3/4	76	K16638	28.89	21
				1600		Total	Total	1560	APPROVED: <u> </u>						

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

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 STEEL 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 + 22.153 Lane (if applicable): W. B. L.

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

Bents numbered as per plans. In general, piles numbered from left to right.

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

Energy delivered = Effective WH or E, depending on type of hammer. Size of Piling 12 X 53

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	No. Splices in Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last 10 Blows		Total Penetration	Computed Bearing	CutOff to Group
										Energy Delivered	Penetr. 10 Blows			
3/31/75	73	1	98	100	1	0	2	98	1	19,500	5 3/4	76 H07874	28.89	21
3/31/75	73	2	98	100	1	0	2	98	1	19,500	5 1/4	76 H07874	31.20	21
3/31/75	73	3	98	100	1	0	2	98	1	19,500	5 1/4	76 K16638	31.20	21
3/31/75	73	4	98	100	1	0	2	98	1	19,500	5 3/4	76 H07195	28.89	21
3/28/75	73	5	97	100	1	0	3	97	1	19,500	6	76 K16638	27.86	21
3/28/75	73	6	97	100	1	0	3	97	1	19,500	5 3/4	76 H07874	28.89	21
3/28/75	73	7	97	100	1	0	3	97	1	19,500	5 1/4	76 H07195	30.00	21
3/28/75	73	8	97	100	1	0	3	97	1	19,500	5 3/4	76 K16638	28.89	21
3/28/75	73	9	97	100	1	0	3	97	1	19,500	5 1/4	76 K16638	30.00	21
2/1/75	73	10	97	100	1	0	3	97	1	19,500	5 1/4	76 H07195	30.00	21
2/10/75	73	11	TEST PILE							19,500	6 3/8	74.5		21
2/1/75	73	12	97	100	1	0	3	97	1	19,500	5 1/4	76 H07195	31.20	21
4/1/75	73	13	98	100	1	0	2	98	1	19,500	5 1/4	76 K16638	31.20	21
4/1/75	73	14	98	100	1	0	2	98	1	19,500	5 1/4	76 H07874	30.00	21
4/1/75	73	15	98	100	1	0	2	98	1	19,500	4 3/4	76 K16638	33.91	21
4/1/75	73	16	98	100	1	0	2	98	1	19,500	4 3/4	76 K16638	33.91	21
				1500		Total	37	1163		APPROVED: <u>KEC</u>				

Correct R. E. Jage Project Engineer Approved Assistant J. B. Drinkard Division Engineer

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

RAY D. BASS
HIGHWAY DIRECTOR

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

September 2, 1976

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:

Bent 183 - Eastbound Bridge	200.0
Bents 211 through 250, Eastbound Bridge	7312.35
Bents 349 through 415, Eastbound Bridge	12273.26
Bents A-1 through A-4, Ramp "A" (U.S. 90)	752.25
Bents D-1 through D-4, Ramp "D" (U.S. 90)	770.0
Bents 138 through 162, Westbound Bridge	6877.75
Bents 349 through 352, Westbound Bridge	768.0

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

JSH/lc
Attach.

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Butte & Valeria Division 9th Project 1-10-1(PS)MS

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 77.56 to Station 629 + 20.653 Lane (if applicable): both

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Joseph L. Pomeroy

Kind of Hammer: Diesel _____ Air _____ Steam 1. 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 Off to Ground
									Energy Delivered	No. Blows				
												Contr Pile no.		
8/16/76	130W	1	80	80	0	0	80	0	75,000	158	72.8	1315	426.12	15.
8/16/76	130W	2	82	85	0	0	82	0	75,000	147	72.8	1317	413.00	15.
Total				176	0	0	176							
8/16/76	139W	1	80	88	0	0	80	0	75,000	119	78.9	1319	415.50	15.
8/16/76	139W	2	85	88	0.50	0	88.50	0	75,000	123	73.4	1328	432.00	15.
Total				176	0.50	0	176.50							
8/16/76	140W	1	80	88	0	0	88	0	75,000	147	72.9	1321	413.00	15.
8/16/76	140W	2	88	88	0.25	0	88.25	0	75,000	152	73.15	1325	419.25	15.
8/16/76	140W	3	88	88	0	0	88	0	75,000	142	72.9	1323	405.19	15.
Total				264	0.25	0	264.25							
		1		Total	Total	Total	Total							

Correct R. E. Jans Project Engineer Approved J. H. Winkler 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 Butte - Baldwin Division North Project 7-10-1 (95) 28

Road between East Tunnel Interchange and Spanish Fort

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

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 75,000 ft. lbs Size of Piling: 9.6" Round

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. 143 W20							Center Pile No		
8/6/76	143	1	88	88	0	0	88	0	75,000	143	72.0	1290	107.83	16.
8/6/76	143	2	88	88	0	0	88	0	75,000	147	72.0	1328	113.00	16.
8/6/76	143	3	88	88	0	0	88	0	75,000	140	72.0	1289	103.88	16.
				264.0	0	0	264.0	0						
					Bent No. 142 W20									
8/9/76	142	1	88	88	0	0	88	0	75,000	139	73	1324	102.58	15.
8/9/76	142	2	88	88	0	0	88	0	75,000	140	73.0	1322	103.08	15.
8/9/76	142	3	88	88	0	0	88	0	75,000	153	71.0	1326	120.40	17.
				264	0	0	264							
					Bent No. 141 W20									
8/9/76	141	1	88	88	0	0	88	0	75,000	176	73.0	1327	116.16	15.
8/9/76	141	2	88	88	0	0	88	0	75,000	150	73.0	1325	116.67	15.
8/9/76	141	3	88	88	0	0	88	0	75,000	145	71.0	1320	110.51	17.
				264	0	0	264							
				Total	Total	Total	Total							

Correct K. E. Jager Project Engineer Approved J. A. Hinkland 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.

797.0

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

County Holt Co. - #2 John Division North Project 1-10-1(19)28

Road between Spanish Fort and East Tunnel Interchange

Bridge: Station 60 + 50.5 to Station 129 + 02.5 Lane (if applicable): W/0

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

Kind of Hammer: Diesel _____ Air _____ Steam 1 0 0. Hammer Action: 1 0 0

Energy delivered=Effective WH or E, depending on type of hammer. 75,000 ft. lbs Size of Piling: 54" 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	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent 116 WBS							Cont'd File No		
8/5/76	116	1	88	88	0	0	88	0	75,000	156	71.0	1288	1,873.97	17.
8/11/76	116	2	88	88	82	0	82	0	75,000	140	71.0	1298	1,802.98	17.
8/14/76	116	3	86	86	0	0	86	0	75,000	160	71.0	1297	1,823.57	17.
				264	1	0	265							
					Bent 115 WBS									
8/5/76	115	1	88	88	0	0	88	0	75,000	195	72.0	1295	1,661.10	17.
8/5/76	115	2	86	86	0	0	86	0	75,000	113	71.0	1294	1,607.83	17.
8/5/76	115	3	88	88	0	0	88	0	75,000	180	71.0	1296	1,550.18	17.
			264	264			264							
					Bent No 114 WBS									
8/5/76	114	1	88	88	0	0	88	0	75,000	112	71.0	1293	1,406.50	17.
8/5/76	114	2	88	88	0	0	88	0	75,000	116	71.0	1292	1,311.86	17.
8/5/76	114	3	88	88	0	0	88	0	75,000	150	71.0	1291	1,116.67	17.
			264	264			264							
				Total	Total	Total	Total							

Correct L. E. Jern 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.

703.0

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 1-10-1(35)30

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.45 Lane (if applicable): 101

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

Kind of Hammer: Diesel _____ Air _____ Steam XXXX. Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 24" x 24" x 40'

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 C to Ground
									Energy Delivered	No. Blows				
8/2/76	149W	1	90	90	0	0	90	0	75,000	169	70	1230	638.60	20.
8/2/76	149W	2	90	90	0	0	90	0	75,000	118	70	1234	614.34	20.
8/2/76	149W	3	90	90	0	0	90	0	75,000	143	70	1233	607.83	20.
Total				270	0	0	270							
8/3/76	148W	1	90	90	0	0	90	0	75,000	118	73	1232	614.36	17.
8/3/76	148W	2	90	90	0	0	90	0	75,000	180	73	1236	650.18	17.
8/3/76	148W	3	90	90	0	0	90	0	75,000	172	73	1231	641.96	17.
Total				270	0	0	270							
8/3/76	147W	1	90	90	0	0	90	0	75,000	152	76	1201	619.23	14.
8/3/76	147W	2	90	90	0	0	90	0	75,000	200	74	1300	668.79	14.
8/3/76	147W	3	90	90	0	0	90	0	75,000	160	74	1299	628.57	14.
Total				270	0	0	270							
				Total	Total	Total	Total							

Correct K. E. Ryan Project Engineer Approved J. A. Winkard ~~Const. Engr.~~ 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 7248 Project 1-10-1(30)P²

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 109 + 02.53 Lane (if applicable): None

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

Kind of Hammer: Diesel _____ Air _____ Steam _____. Hammer Action: _____

Energy delivered=Effective WH or E, depending on type of hammer. 75,000 ft. lbs. Size of Piling: 9" Round

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				
7/29/76	152	1	92	92	0	0	92	0	75,000	137	67.0	1256	100.00	25.
7/29/76	152	2	92	92	0	0	92	0	75,000	160	67.0	1260	128.57	25.
7/29/76	152	3	92	92	0	0	92	0	75,000	185	67.0	1258	110.51	25.
				276	0	0	276							
7/30/76	151	1	90	90	0	0	90	0	75,000	141	65.0	1221	105.19	25.
7/29/76	151	2	90	90	0	0	90	0	75,000	147	65.0	1228	113.00	25.
7/29/76	151	3	90	90	0	0	90	0	75,000	140	65.0	1227	103.00	25.
				270	0	0	270							
7/30/76	150	1	90	90	0	0	90	0	75,000	142	68.0	1225	106.51	22.
7/30/76	150	2	90	90	0	0	90	0	75,000	148	68.0	1226	111.36	22.
7/30/76	150	3	90	90	3.0	0	93.0	0	75,000	137	68.0	1229	100.00	22.
			270	270	3.0		273							
				Total	Total	Total	Total							

Correct K. E. Ryan 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 1-10-1(35)20

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 649 + 22.63 Lane (if applicable): W

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

Kind of Hammer: Diesel _____ Air _____ Steam Hydraulic. Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutO to Grou
									Energy Delivered	No. Blows				
						Bent No. 154 WBB						Contr File 10		
7/27/76	154W	1	92	92	0	0	92	0	75,000	203	67	1263	471.40	25.
7/23/76	154W	2	92	92	0	0	92	0	75,000	156	67	1253	423.97	25.
7/23/76	154W	3	92	92	0.50	0	92.50	0	75,000	165	67.5	1257	434.28	25.
Total				276	0.50	0	276.50							
						Bent No. 153 WBB								
7/27/76	153W	1	92	92	1.0	0	93	0	75,000	245	68	1252	410.51	25.
7/27/76	153W	2	92	92	1.0	0	93	0	75,000	151	68	1264	418.06	25.
7/27/76	153W	3	92	92	2.0	0	94	0	75,000	142	69	1262	406.50	25.
Total				276	4.0	0	280							
				Total	Total	Total	Total							

Correct K. E. Jaen Project Engineer Approved J. D. Winkler 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(35)28

Road between East Tunnel Interchange and Spanish Port

Bridge: Station 60 + 99.36 to Station 60 + 92.453 Lane (if applicable): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam _____. Hammer Action: _____

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

[illegible]

Correct K. E. Ray Project Engineer Approved J. A. Winkler 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(19)PA

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 120 + 22.159 Lane (if applicable): WTH

Contractor John A. Root, Inc. Sub-Contractor _____ Inspector Grace A. Pennington

Kind of Hammer: Diesel _____ Air _____ Steam XX
0/00

Hammer Action: 1112

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

Size of Piling: 21 ft

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent No. 159 WUB							Contr File No		
7/19/76	159W	1	96	96	2.0	0	98	0	75,000	163	77	1166	432.03	21.0
7/19/76	159W	2	96	96	0	0	96	0	75,000	161	75	1181	429.80	21.0
7/19/76	159W	3	96	96	0	0	96	0	75,000	188	75.5	1170	457.88	20.5
7/19/76	159W	b	96	96	0	0	96	0	75,000	180	75.5	1185	428.57	20.5
Total				384	2.0	0	386							
					Bent No. 158 WBB									
7/20/76	158W	1	96	96	2.0	0	98	0	75,000	155	77	1168	422.77	21.0
7/20/76	158W	2	96	96	0.5	0	96.5	0	75,000	160	75.5	1176	428.57	21.0
7/20/76	158W	3	96	96	0	0	96	0	75,000	169	75	1177	436.60	21
Total				288	2.5	0	290.50							
					Bent No. 157 WBB									
7/20/76	157W	1	96	96	0	0	96	0	75,000	158	75.0	1180	426.38	21
7/20/76	157	2	96	96	0	0	96	0	75,000	180	75	1183	450.18	21
7/20/76	157	3	96	96	0	0	96	0	75,000	220	75	1179	405.44	21
Total				288	0	0	288							
			A	Total	Total	Total	Total							

Correct K. E. Jay Project Engineer Approved J. B. 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.

964. (7)

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tenth Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 109 + 22.151 Lane (if applicable): West

Contractor Greco & Root, Inc. Sub-Contractor _____ Inspector Greco & Pennington

Kind of Hammer: Diesel _____ Air _____ Steam Electric. Hammer Action: Single

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 24" x 36"

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				
7/13/76	162W	1	96	96	0	0	96	0	75,000	177	75	1216	147.23	21.
7/13/76	162W	2	96	96	0	0	96	0	75,000	161	75	1199	149.80	21.
Total				192	0	0	192							
7/14/76	161W	1	96	96	0	0	96	0	75,000	175	75	1217	145.10	21.
7/14/76	161W	2	96	96	0	0	96	0	75,000	159	75	1215	147.59	21.
7/14/76	161W	3	96	96	0	0	96	0	75,000	181	75	1205	151.26	21.
7/14/76	161W	4	96	96	0	0	96	0	75,000	163	75	1213	132.03	21.
Total				384	0	0	384							
7/15/76	160W	1	96	96	0	0	96	0	75,000	161	75	1211	149.80	21.
7/15/76	160W	2	96	96	0	0	96	0	75,000	160	75	1207	146.57	21.
7/15/76	160W	3	96	96	0	0	96	0	75,000	198	75	1209	167.00	21.
7/16/76	160W	4	96	96	0	0	96	0	75,000	170	75	1154	139.88	21.
Total				384	0	0	384							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. B. Hendrick 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.

960.0

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)40

Road between East Tunnel Interchange and Spanish Port

Bridge: Station 60 + 99.56 to Station 129 + 71.53 Lane (if applicable): WLD

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

Kind of Hammer: Diesel _____ Air _____ Steam 1 Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutOf to Groun
									Energy Delivered	No. Blows				
						Pont No. 149 WBB						Contr pile No		
7/29/76	349W	1	96	96	0	0	96	0	80,000	230	82.0	1264	\$25.97	11.
7/29/76	349W	2	96	96	0	0	96	0	80,000	240	80.0	1266	\$33.33	16.
Total				192	0	0	192							
						Bent No. 150 WBB								
7/29/76	350W	1	96	96	0	0	96	0	80,000	254	82.0	1272	\$13.48	11.
7/29/76	350W	2	96	96	0	0	96	0	80,000	237	80.0	1268	\$31.81	16.
Total				192	0	0	192							
						Bent No. 151 WBB								
7/29/76	351W	1	96	96	0	0	96	0	80,000	247	82.0	1273	\$35.72	11.
7/29/76	351W	2	96	96	0	0	96	0	80,000	259	82.0	1268	\$16.82	11.
Total				192	0	0	192							
						Bent No. 152 WBB								
7/23/76	352W	1	96	96	0	0	96	0	80,000	261	81.5		\$18.32	11.
7/23/76	352W	2	96	96	0	0	96	0	80,000	237	85.5	FSR.	\$31.81	10.
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct K. E. Japp Project Engineer Approved J. A. Winkard 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

April 19, 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 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
Antonio ga

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,

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 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): WBB
Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Pennington & Orrell

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 16" 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				
				FTG.	NO. 1	BENT	NO. 175	W.B.B.						
5/2/77		1	71	71	0	0	71		32,500	62	69		110.73	2.0
5/3/77		2	71	71	0	0	71		"	63	69		111.91	2.0
5/2/77		3	71	71	0	0	71		"	59	69		107.15	2.0
5/2/77		4	71	71	0	0	71		"	58	69		105.93	2.0
5/3/77		5	71	71	0	0	71		"	61	69		109.54	2.0
5/3/77		6	71	71	0	0	71		"	62	69		110.73	2.0
Total				426	0	0	426							
				FTG.	NO. 2	BENT	NO. 175	W. B. B.						
5/1/77		1	71	71	0	0	71		32,500	60	69		108.33	2.0
5/2/77		2	71	71	0	0	71		"	60	69		108.33	2.0
5/1/77		3	71	71	0	0	71		"	66	69		115.33	2.0
5/1/77		4	71	71	0	0	71		"	65	69		114.95	2.0
5/2/77		5	71	71	0	0	71		"	60	69		108.33	2.0
5/2/77		6	71	71	0	0	71		"	65	69		114.95	2.0
Total				426	0	0	426							
				Total	Total	Total	Total							

Correct L. E. Jones 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): WBB
 Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Pennington & 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" 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				
						Ftg. No. 3	Bent No. 175	WBB						
5/2/77		1	71	71	0	0	71		32,500	64	69		113.04	2.0
5/1/77		2	71	71	0	0	71		"	64	69		113.04	2.0
5/31/77		3	71	71	0	0	71		"	61	69		109.54	2.0
5/31/77		4	71	71	0	0	71		"	60	69		108.33	2.0
6/2/77		5	71	71	0	0	71		"	62	69		110.73	2.0
5/2/77		6	71	71	0	0	71		"	63	69		111.91	2.0
Total				426	0	0	426							
						Ftg. No. 4	Bent No. 174	WBB						
5/31/77		1	71	71	0	0	71		32,500	63	69		111.91	2.0
5/31/77		2	71	71	0	0	71		"	65	69		114.95	2.0
5/31/77		3	71	71	0	0	71		"	61	69		109.54	2.0
5/31/77		4	71	71	0	0	71		"	60	69		108.33	2.0
5/31/77		5	71	71	0	0	71		"	63	69		111.91	2.0
5/31/77		6	71	71	0	0	71		"	61	69		109.54	2.0
Total				426			426							
				Total	Total	Total	Total	APPROVED:						

Correct R. E. Say Project Engineer Approved _____ Asst. Div. Const. Engr. (Bridges)
 Division ~~XXXX~~ 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 Battleship Parkway and _____

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

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

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

Conmaco 115
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				
	Ftg. No. 1				BENT	NO. 176	WBB					Contr. Pile #		
8/9/76		1	73	73	0	0	73	0	32,500	95	71	156	143.61	2.0
8/6/76		2	73	73	0	0	73	0	32,500	78	71	126	128.05	2.0
8/6/76		3	73	73	0	0	73	0	32,500	65	71	159	114.20	2.0
8/6/76		4	73	73	0	0	73	0	32,500	77	71	132	127.05	2.0
8/6/76		5	73	73	0	0	73	0	32,500	78	71	157	128.05	2.0
8/6/76		6	73	73	0	0	73	0	32,500	78	71	128	128.05	2.0
8/9/76		7	73	73	0	0	73	0	32,500	73	71	138	122.97	2.0
8/9/76		8	73	73	0	0	73	0	32,500	76	71	139	126.07	2.0
8/9/76		9	73	73	0	0	73	0	32,500	58	71	136	105.93	2.0
Total				657	0	0	657							
				Total	Total	Total	Total							

Correct RE JAYE Approved _____
Project 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 Battleship Parkway and _____

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

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

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

Conmaco 115 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				
	Ftg. No. 2					BENT	NO. 176	WBB				Contr. Pile#		
8/10/76		1	73	73	0	0	73	0	32,500	72	71	185	121.91	2.0
8/10/76		2	73	73	0	0	73	0	32,500	87	71	158	136.61	2.0
8/9/76		3	73	73	0	0	73	0	32,500	62	71	149	110.73	2.0
8/9/76		4	73	730	0	0	73	0	32,500	59	71	88	107.15	2.0
8/9/76		5	73	73	0	0	73	0	32,500	96	71	133	144.44	2.0
8/9/76		6	73	73	0	0	73	0	32,500	97	71	134	145.28	2.0
8/10/76		7	73	73	0	0	73	0	32,500	71	71	84	120.82	2.0
8/10/76		8	73	73	0	0	73	0	32,500	74	71	82	124.00	2.0
8/10/76		9	73	73	0	0	73	0	32,500	58	71	86	105.93	2.0
Total				657	0	0	657							
				Total	Total	Total	Total							

Correct RE 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	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
	Ftg. # 3				BENT	NO. 176	WBB					Contr. Pile#		
8/11/76		1	73	73	0	0	73	0	32,500	92	71	148	141.06	2.0
8/10/76		2	73	73	0	0	73	0	32,500	72	71	147	121.91	2.0
8/10/76		3	73	73	0	0	73	0	32,500	68	71	155	117.58	2.0
8/10/76		4	73	73	0	0	73	0	32,500	59	71	180	107.15	2.0
8/10/76		5	73	73	0	0	73	0	32,500	58	71	178	105.93	2.0
8/10/76		6	73	73	0	0	73	0	32,500	59	71	176	107.15	2.0
8/11/76		7	73	73	0	0	73	0	32,500	65	71	150	114.20	2.0
8/11/76		8	73	73	0	0	73	0	32,500	72	71	140	121.91	2.0
8/11/76		9	73	73	0	0	73	0	32,500	60	71	146	108.33	2.0
Total				657	0	0	657							
				Total	Total	Total	Total							

Correct R. E. Jare Approved _____
Project 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 Battleship Parkway and _____

Bridge: Station _____ to Station _____ Lane (if applicable): WBB
 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				
	Ftg. No. 4				BENT	NO. 176	WBB					Contr. Pile #		
3/12/76		1	73	73	0	0	73	0	32,500	60	71	125	108.33	2.0
3/12/76		2	73	73	0	0	73	0	32,500	59	71	121	107.15	2.0
3/12/76		3	73	73	0	0	73	0	32,500	59	71	160	107.15	2.0
3/11/76		4	73	73	0	0	73	0	32,500	60	71	137	108.33	2.0
3/11/76		5	73	73	0	0	73	0	32,500	60	71	123	108.33	2.0
3/11/76		6	73	73	0	0	73	0	32,500	58	71	135	105.93	2.0
3/12/76		7	73	73	0	0	73	0	32,500	108	71	131	153.96	2.0
3/12/76		8	73	73	0	0	73	0	32,500	70	71	130	119.75	2.0
3/12/76		9	73	73	0	0	73	0	32,500	58	71	124	105.93	2.0
Total				657	0	0	657							
				Total	Total	Total	Total							

Correct _____ Approved _____
Project Engineer 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 Port

Bridge: Station 60 + 99.56 to Station 129 + 22.153 Lane (if applicable): W.B.B.

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Alvin Groce, Jr.

Kind of Hammer: Diesel X Air _____ Steam _____

Hammer Action: single

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

Size of Piling: 16" 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 Group
									Energy Delivered	No. Blows				
		BENT	177	W. B. B.	FT.	NO.	1							
7-30-75	177 WB	1	67	67	0	0	67	0	29,100 X	.8 80	61		93.12	6
7-30-75	177 WB	2	67	67	0	0	67	0	29,100 X	.8 76	61		90.30	6
7-30-75	177 WB	3	67	67	0	0	67	0	29,100 X	.8 71	61		86.54	6
7-30-75	177 WB	4	67	67	0	0	67	0	29,100 X	.8 74	61		88.82	6
7-30-75	177 WB	5	67	67	0	0	67	0	29,100 X	.8 85	61		96.56	6
7-30-75	177 WB	6	67	67	0	0	67	0	29,100 X	.8 81	61		93.83	6
TOTAL				402	0	0	402							
		BENT	177	W. B. B.	FT.	NO.	2							
8-4-75	177 WB	1	67	67	0	0	67	0	29,100 X	.8 84	61		95.08	6
8-4-75	177 WB	2	67	67	0	0	67	0	29,100 X	.8 88	61		98.52	6
8-5-75	177 WB	3	67	67	0	0	67	0	29,100 X	.8 95	61		102.87	6
8-5-75	177 WB	4	67	67	0	0	67	0	29,100 X	.8 101	61		106.40	6
8-4-75	177 WB	5	67	67	0	0	67	0	29,100 X	.8 79	61		92.45	6
8-4-75	177 WB	6	67	67	0	0	67	0	29,100 X	.8 82	61		93.83	6
TOTAL				402	0	0	402	0						
				Total	Total	Total	Total		APPROVED _____					
									Asst. Div. Const. Engr. (Bridge)					

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 Mobile Nine Project 1-10-1(35)20

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 427 + 22.453 Lane (if applicable): W.B.B.

Contractor Brown & Root, Inc. Sub-Contractor Mobile Interstate Pile Drivers Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel 2 Air _____ Steam _____

Hammer Action: single

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

Size of Piling: 16" 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 to Grou
									Energy Delivered	No. Blows				
			BENT		177		W. B. L.	FT.		NO.	3			
8-6-75	177WB	1	67	67	0	0	67	0	29,100 X	.8 85	61		96.56	6
8-6-75	177WB	2	67	67	0	0	67	0	29,100 X	.8 80	61		93.12	6
8-6-75	177WB	3	67	67	0	0	67	0	29,100 X	.8 95	61		102.87	6
8-6-75	177WB	4	67	67	0	0	67	0	29,100 X	.8 88	61		98.52	6
8-6-75	177WB	5	67	67	0	0	67	0	29,100 X	.8 100	61		105.82	6
8-6-75	177WB	6	67	67	0	0	67	0	29,100 X	.8 85	61		96.56	6
TOTAL				402	0	0	402							
			BENT		177		W. B. L.	FT.		NO.	4			
8-7-75	177WB	1	67	67	0	0	67	0	29,100 X	.8 90	61		99.79	6
8-7-75	177WB	2	67	67	0	0	67	0	29,100 X	.8 84	61		95.88	6
8-7-75	177WB	3	67	67	0	0	67	0	29,100 X	.8 100	61		105.82	6
8-7-75	177WB	4	67	67	0	0	67	0	29,100 X	.8 86	61		97.20	6
8-7-75	177WB	5	67	67	0	0	67	0	29,100 X	.8 93	61		101.66	6
8-7-75	177WB	6	67	67	0	0	67	0	29,100 X	.8 87	61		97.86	6
TOTAL				402	0	0	402							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. B. Rimbard Division Engineer Const. Eng

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 1, 1977

I-10-49-027.7 A

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

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

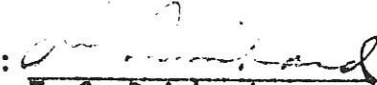
Dear Sir:

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 269 through 299 - Westbound Bridge 5952.0
Bents 172 through 175 - Eastbound Bridge 1000.0

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: 
T. G. Drinkard
Division Construction Engineer

JSH/lc
Attachment
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

January 26, 1977

D. Collins

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 269 WBB thru 299 WBB
Bent 172 EBB thru 175 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 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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0.0}$ _____

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 Ground
									Energy Delivered	No. Blows				
												Contr. File No.		
						Bent No.	269 WBB							
12/6/76	269W	1	96	96	0	0	96	0	80,000	384	82.5	1683	609.76	13.
12/6/76	269W	2	96	96	0	0	96	0	"	232	79.2	1699	527.36	16.
				192	0	0	192							
						Bent No.	270 WBB							
12/6/76	270W	1	96	96	0	0	96	0	"	360	82.0	1695	600.15	14.
12/6/76	270W	2	96	96	0	0	96	0	"	210	79.0	1698	509.23	17.
				192	0	0	192							
						Bent No.	271 WBB							
12/14/76	271W	1	96	96	0	0	96	0	"	235	82.0	1696	529.59	14.
12/14/76	271W	2	96	96	0	0	96	0	"	212	79.0	1667	510.86	17.
				192	0	0	192							
						Bent No.	272 WBB							
12/14/76	272W	1	96	96	0	0	96	0	"	247	82.0	1735	538.72	14.
12/14/76	272W	2	96	96	0	0	96	0	"	128	79.0	1731	413.01	17.
				192	0	0	192	0						
				Total	Total	Total	Total							

Correct K. E. Jare Project Engineer Approved _____ Division Engineer CONSENER

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): WBB

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

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

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

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 Pene- tration	Kind of Soil	Com- puted Bearing	Cut to Gro
									Energy Delivered	No. Blows				
					Bent No.	273 WBB						Contr. File No.		
12/15/76	273W	1	96	96	0	0	96	0	80,000	233	82.0	1729	528.05	14
12/15/76	273W	2	96	96	0	0	96	0	"	249	79.0	1734	540.18	17
				192	0	0	192							
					Bent No.	274 WBB								
12/15/76	274W	1	96	96	0	0	96	0	"	250	82.0	1726	540.54	14
12/15/76	274W	2	96	96	0	0	96	0	"	162	79.0	1723	459.77	17
				192	0	0	192							
					Bent No.	275 WBB								
12/15/76	275W	1	96	96	0	0	96	0	"	139	82.0	1724	429.42	14
12/15/76	275W	2	96	96	0	0	96	0	"	149	79.0	1727	443.21	17
				192	0	0	192							
					Bent	276 WBB								
12/15/76	276W	1	96	96	0	0	96	0	"	169	82.0	1732	467.84	14
12/15/76	276W	2	96	96	0	0	96	0	"	176	79.0	1737	475.91	17
				192	0	0	192							
				Total	Total	Total	Total							

Correct *P. E. [Signature]* Project Engineer Approved *[Signature]* 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. IT
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): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0110}$. Hammer Action: Single

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

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 Ground
									Energy Delivered	No. Blows				
							Bent No. 277 WBB					Contr. File No.		
12/16/76	277W	1	96	96	0	0	96	0	80,000	298	82.0	1730	570.61	14.
12/16/76	277W	2	96	96	0	0	96	0	"	259	79.0	1736	546.82	17.
				192	0	0	192							
							Bent No. 278 WBB							
12-16-76	278W	1	96	96	0	0	96	0	"	180	82.0	1728	480.19	14.
12-16-76	278W	2	96	96	0	0	96	0	"	148	79.0	1738	441.99	17.
				192	0	0	192							
							Bent No. 279 WBB							
12/17/76	279W	1	96	96	0	0	96	0	"	185	82.0	1758	485.44	14.
12/17/76	279W	2	96	96	0	0	96	0	"	160	79.0	1759	457.14	17.
				192	0	0	192							
							Bent No. 280 WBB							
12/17/76	280W	1	96	96	0	0	96	0	"	204	82.0	1753	503.78	14.
12/17/76	280W	2	96	96	0	0	96	0	"	190	79.0	1755	498.50	17.
				192	0	0	192							
				Total	Total	Total	Total							

Correct R. E. J. J. Project Engineer Approved _____ Division Engineer CAUSE 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.

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

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): WBB

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

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 Cut Off	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.	285 WBB					Contr. Pile No.		
12/28/76	285W	1	96	96	0	0	96	0	80,000	143	82.0	1757	435.02	14.
12/28/76	285W	2	96	96	0	0	96	0	"	151	80.0	1762	445.93	16.
				192	0	0	192							
						Bent No.	286 WBB							
12/28/76	286	1	96	96	0	0	96	0	"	174	82.0	1725	473.65	14.
12/28/76	286	2	96	96	0	0	96	0	"	170	80.0	1693	469.21	16.
				192	0	0	192							
						Bent No.	287 WBB							
12/28/76	287	1	96	96	0	0	96	0	"	215	82.0	1743	513.48	14.
12/28/76	287	2	96	96	0	0	96	0	"	205	80.0	1744	504.73	16.
				192	0	0	192							
						Bent No.	288 WBB							
12/28/76	288	1	96	96	0	0	96	0	"	200	82.0	1733	500.00	14.
12/28/76	288	2	96	96	0	0	96	0	"	260	80.0	1739	547.57	16.
				192	0	0	192							
				Total	Total	Total	Total							

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

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

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): WBB

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

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 Ground
									Energy Delivered	No. Blows				
						Bent No. 293 WBB						Contr. File No.		
12/30/76	293W	1	96	96	0	0	96	0	80,000	215	82.0	1777	513.48	14.0
12/30/76	293W	2	96	96	0	0	96	0	"	201	80.0	1779	500.94	16.0
				192	0	0	192							
						Bent No. 294 WBB								
1/5/77	294W	1	96	96	0	0	96	0	"	160	82.0	1771	457.14	14.0
1/5/77	294W	2	96	96	0	0	96	0	"	149	80.0	1767	443.21	16.0
				192	0	0	192							
						Bent No. 295 WBB								
1/6/77	295W	1	96	96	0	0	96	0	80,000	247	82.0	1773	538.72	14.0
1/6/77	295W	2	96	96	0	0	96	0	"	215	80.0	1769	513.48	16.0
				192	0	0	192							
						Bent No. 296 WBB								
1/6/77	296W	1	96	96	0	0	96	0	"	201	82.0	1775	500.94	14.0
1/6/77	296W	2	96	96	0	0	96	0	"	152	80.0	1778	447.18	16.0
				192	0	0	192							
				Total	Total	Total	Total							

Correct K-E J. [Signature] Project Engineer Approved [Signature] Division Engineer CRIST 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 AL. AMA 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): WBB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent #	297 WBB						Contr. File No.		
1/7/77	297W	1	96	96	0	0	96.0		80,000	227	82.0	1776	523.56	14.0
1/7/77	297W	2	96	96	0	0	96.0		"	202	80.0	1760	501.88	16.0
				192	0	0	192							
					Bent #	298 WBB								
1/7/77	298W	1	96	96	0	0	96.0		"	142	82.0	1766	433.60	14.0
1/7/77	298W	2	96	96	0	0	96.0		"	215	80.0	1768	513.48	16.0
				192	0	0	192							
					Bent #	299 WBB								
1/7/77	299W	1	96	96	0	0	96.0		"	221	82.0	1770	518.81	14.0
1/7/77	299W	2	96	96	0	0	96.0		"	213	80.0	1772	511.84	16.0
				192	0	0	192							
				Total	Total	Total	Total							

Correct K. E. Asy Approved _____
Project 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.



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

*Collins
Heritage*

September 14, 1977

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 records for prestressed piling
(54" Round) driven in the bents listed below.

Bent	5 EBB thru	13 EBB
Bent	69 EBB thru	70 EBB
Bent	152 EBB thru	159 EBB
Bent	346 EBB thru	348 EBB
Bent	104 WBB thru	129 WBB
Bent	163 WBB thru	167 WBB
Bent	171 WBB thru	173 WBB

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

Attach.
cc: Mr. D. C. Collins
File

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"

Correct K. E. Jays 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.

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

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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): WBB

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

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"

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 Gro
									Energy Delivered	No. Blows				
						BENT 112 WBB						Contr. Pile #		
8/18/77	112W	1	100	108	0	10.0	98	0	75,000	142	82	2241	406.50	16
8/18/77	112W	2	100	108	0	8.0	100	0	75,000	195	84	2247	464.40	16
Total				216	0	18	198							
						BENT 113 WBB								
8/18/77	113W	1	100	108	0	9	99	0	75,000	143	83	2251	407.83	16
8/18/77	113W	2	100	108	0	4	104	0	75,000	134	88	2245	395.78	16
Total				216	0	13	203							
						BENT 114 WBB								
8/17/77	114W	1	100	108	0	0	108	0	75,000	145	92	2248	410.51	16
8/17/77	114W	2	100	108	0	0	108	0	75,000	118	92	2250	372.02	16
Total				216	0	0	216							
				Total	Total	Total	Total							

Correct K. E. Jays Approved _____
Project Engineer 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 429 + 22.453 Lane (if applicable): WBB

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0/80}$ 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				
						BENT	115 WBB					Contr. Pile #		
8/18/77	115W	1	102	108	0	0	108	0	75,000	216	92	2249	482.32	16
8/18/77	115W	2	102	108	0	0	108	0	75,000	243	92	2246	502.34	16
Total				216	0	0	216							
						BENT	116 WBB							
8/16/77	116W	1	102	108	0	5.5	102.5	0	75,000	203	86.5	2255	471.40	16
8/16/77	116W	2	102	108	0	0	108	0	75,000	237	92	2252	498.01	16
Total				216	0	5.5	210.5							
						BENT	117 WBB							
8/15/77	117W	1	102	112	0	0	112	0	75,000	216	96	2256	482.32	16
8/15/77	117W	2	102	112	0	3.6	108.4	0	75,000	243	91.5	2254	502.34	16
Total				224	0	3.6	220.4							
				Total	Total	Total	Total							

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

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.

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

Correct K. E. Jager Project Engineer Approved _____ Division Engineer ~~XXXXXX~~ Const. Engr

Bents numbered as per plans. In general, piles numbered from left to right
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Energy delivered=Effective WH or E, depending on type of hammer.

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.

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

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

Correct R. E. Jays Project Engineer Approved _____ Division ~~XXXX~~ 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): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Grace

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"

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 Gro.
									Energy Delivered	No. Blows				
						BENT	127 WBB					Contr. Pile #		
8/8/77	127W	1	102	112	0	0	112	0	75,000	231	96	2203	493.75	16
8/8/77	127W	2	102	112	0	0	112	0	75,000	189	96	2197	459.00	16
Total				224	0	0	224							
						BENT	128 WBB							
8/3/77	128W	1	102	112	0	3.40	108.40	0	75,000	305	92.6	2195	538.41	16
8/3/77	128W	2	102	112	0	1.25	110.75	0	75,000	298	93.75	2201	534.95	16
Total				224	0	4.65	219.35							
						BENT	129 WBB							
8/5/77	129W	1	102	112	0	0	112	0	75,000	184	96	2200	454.00	16
8/3/77	129W	2	102	112	0	0	112	0	75,000	198	96	2209	467.00	16
Total				224	0	0	224							
				Total	Total	Total	Total							

Correct R. E. Page Approved _____
Project Engineer Route 124-1294-55-25 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 429 + 22.453 Lane (if applicable): WBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector J. E. Robertson

Kind of Hammer: Diesel _____ Air _____ Steam X
0780

Hammer Action: Single

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

Size of Piling: 54"

[illegible]

Correct K. E. Jaffe
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): WBB

Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector J. E. Robertson

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0/80}$

Hammer Action: Single

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

Size of Piling: 54"

[illegible]

Correct K. E. Jays Approved _____
Project Engineer 12 4 43 163 Division 11 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): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector J. A. Pennington

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{X}{0/80}$

Hammer Action: Single

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

Size of Piling: 54"

[illegible]

Correct K. E. Jays Project Engineer Approved J. A. Winkard Division ENR 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.