



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

May 31, 1976

I.10.49.027.7 A

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

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

Dear Sir:

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

Bents 194 through 204 - Westbound Bridge

Bents 520 through 534 - Eastbound Bridge

Bents 188 through 204 - Eastbound Bridge

Bents 446 through 466 - Eastbound Bridge

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

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

By: 
T. G. Drinkard
Division Construction Engineer

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 Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam XX
080 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	CutO to Group	
									Energy Delivered	No. Blows					
														Contr. File No	
														Bent No. 194 WBB	
5/12/76	194W	1	96	96	0	0	96	0	75,000	150	74.0	904	416.67	22.0	
5/12/76	194W	2	96	96.0	0	0	96.0	0	75,000	165	74.0	928	434.28	22.0	
Total				192.0	0	0	192.0								
														Bent No. 195 WBB	
5/12/76	195W	1	96	96.0	0	0	96.0	0	75,000	101	74.0	922	342.78	22.0	
5/13/76	195W	2	96	96.0	0	0	96.0	0	75,000	115	74.0	924	367.11	22.0	
5/13/76	195W	3	96	96.0	0	0	96.0	0	75,000	90	74.0	927	321.47	22.0	
Total				288.0	0	0	288.0								
														Bent No. 196 WBB	
5/13/76	196W	1	96	96.0	0	0	96.0	0	75,000	116	74.0	925	368.73	22.0	
5/13/76	196W	2	96	96.0	0	0	96.0	0	75,000	92	74.0	923	325.52	22.0	
5/13/76	196W	3	96	96.0	0	0	96.0	0	75,000	88	74.0	926	317.39	22.0	
Total				288.0	0	0	288.0								
					Total	Total	Total	Total	APPROVED						

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

Correct *[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
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 Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam XX
080 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	CutO to Grou
									Energy Delivered	No. Blows				
														Bent No. 197 WBB
5/13/76	197W	1	96	96.0	0	0	96.0	0	75,000	127	74.0	921	385.80	22.
5/14/76	197W	2	96	96.0	0	0	96.0	0	75,000	136	74.0	916	398.51	22.
5/14/76	197W	3	96	96.0	0	0	96.0	0	75,000	128	74.0	919	387.20	22.
Total				288.0	0	0	288.0							
														Bent No. 198 WBB
5/14/76	198W	1	96	96.0	0	0	96.0	0	75,000	130	75.0	915	390.02	21.
5/14/76	198W	2	96	96.0	0	0	96.0	0	75,000	100	75.0	918	340.91	21.
5/14/76	198W	3	96	96.0	0	0	96.0	0	75,000	120	75.0	917	375.00	21.
Total				288.0	0	0	288.0							
														APPROVED
														Asst. Div. Const. Engr. (Bridges)

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

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 Alvin Grace, Jr.

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
Bent No. 199 WBB														Contr. File No
5/17/76	199W	1	96	96.0	0	0	96.0	0	75,000	118	76.0	940	372.02	20.
5/17/76	199W	2	96	96.0	0	0	96.0	0	75,000	142	76.0	942	406.50	20.
5/17/76	199W	3	96	96.0	0	0	96.0	0	75,000	133	76.0	941	394.32	20.
5/17/76	199W	4	96	96.0	0	0	96.0	0	75,000	96	76.0	920	333.33	20.
Total				384.0	0	0	384.0							
Bent No. 200 WBB														
5/19/76	200W	1	92	92.0	0	0	92.0	0	75,000	96	71.0	934	333.33	21.
5/18/76	200W	2	92	92.0	0	0	92.0	0	75,000	82	71.0	936	304.51	21.
5/18/76	200W	3	92	92.0	0	0	92.0	0	75,000	104	71.0	932	348.35	21.
5/18/76	200W	4	92	92.0	0	0	92.0	0	75,000	96	71.0	938	333.33	21.
Total				368.0	0	0	368.0							
				Total	Total	Total	Total	Approved	Asst. Div. Const. Engr. (Bridges)					

Correct R. E. Jay Project Engineer Approved J. D. [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
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 Alvin Grace, Jr.

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" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Group
									Energy Delivered	No. Blows				
Bent No. 201 WBB														Contr. File No
5/20/76	201W	1	92	92.0	0	0	92.0	0	75,000	121	72.0	929	376.70	20.
5/19/76	201W	2	92	92.0	0	0	92.0	0	75,000	112	72.0	939	362.11	20.
5/19/76	201W	3	92	92.0	0	0	92.0	0	75,000	118	72.0	935	372.02	20.
5/20/76	201W	4	92	92.0	0	0	92.0	0	75,000	110	72.0	937	358.85	21.
Total				368.0	0	0	368.0							
Bent No. 202 WBB														
5/21/76	202W	1	92	92.0	0	0	92.0	0	75,000	125	76.0	930	382.65	16.
5/21/76	202W	2	92	92.0	0	0	92.0	0	75,000	114	76.0	931	365.50	16.
5/21/76	202W	3	92	92.0	0	0	92.0	0	75,000	122	74.0	948	378.21	18.
5/21/76	202W	4	92	92.0	0	0	92.0	0	75,000	116	74.0	933	368.73	18.
Total				368.0	0	0	368.0							
					Total	Total	Total	Total	Approved _____					
														Asst. Div. Const. Engr. (Bridges)

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam XX
080 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	CutO to Grou
									Energy Delivered	No. Blows				
Bent No. 203 WBB														Contr. File No
5/21/76	203W	1	92	92	0	0	92	0	75,000	86	74.0	950	313.15	18.
5/21/76	203W	2	92	92.0	0	0	92.0	0	75,000	94	74.0	949	329.53	18.
5/21/76	203W	3	92	92.0	0	0	92.0	0	75,000	89	74.0	951	319.42	18.
Total				276.0	0	0	276.0							
Bent No. 204 WBB														
5/24/76	204W	1	92	92.0	0	0	92.0	0	75,000	84	75.0	952	308.90	17.
5/24/76	204W	2	92	92.0	0	0	92.0	0	75,000	92	75.0	954	325.52	17.
5/24/76	204W	3	92	92.0	0	0	92.0	0	75,000	89	75.0	956	319.42	17.
Total				276.0	0	0	276.0							
					Total	Total	Total	Total	Approved _____					
														Asst. Div. Const. Engr. (Bridges)

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Division Engineer Const. Engr.
Bent 194-204 W 3384.0

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

June 24, 1976

I-10-49-027.7 A

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

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

Dear Sir:

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

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

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:

Handwritten signature of T. G. Drinkard in cursive script.

T. G. Drinkard
Division Construction Engineer

JSH/lc
Encls.

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



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

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

June 22, 1976

D
Collins
Heritage *JH*

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

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

Dear Sir:

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

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

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

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File



STATE OF ALABAMA HIGHWAY DEPARTMENT

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

RAY D. BASS
HIGHWAY DIRECTOR

April 28, 1976

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

Re: Protection
RECORDS FOR BTS 357 TO
359 - w.o. NOT IN HERE

Dear Sir:

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

1	Bents 353 through 362 - Westbound	1920.0
1	Bents 467 through 489 - Eastbound Bridge	4035.63
1	Bents 511 through 515 - Eastbound Bridge	688.25
1	Bents 535 through 540 - Eastbound Bridge	1106.75
1	Bents 184 through 187 - Eastbound Bridge	1344.0
	Bents B26 through B29 - Ramp "B" (U.S. 90)	576.0

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

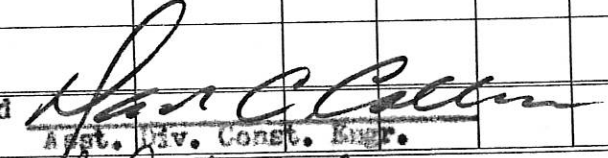
JSH/lc
Encls.

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28
 Road between East Tunnel Interchange and Spanish Fort
 Bridge: Station 60 + 99.56 to Station 129 + 22.53 Lane (if applicable): WB
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton & Grace

Kind of Hammer: Diesel _____ Air _____ Steam _____
 Hammer Action: Single
 Size of Piling: 5 1/2" Conc.
 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. 356-W				80,000		Contr. Pile No		
3-10-76	356-W	1	96.0	96.0	0	0	96.0	0	"	184	80.0	695	484.23	16.0
3-10-76	356-W	2	96.0	96.0	0	0	96.0	0	"	210	80.0	698	509.10	16.0
Total			192.0	192.0	0	0	192.0							
						Bent No 355-W								
3-10-76	355-W	1	96.0	96.0	0	0	96.0	0	"	276	80.9	696	556.37	15.1
3-10-76	355-W	2	96.0	96.0	0	0	96.0	0	"	212	80.7	698	510.86	15.3
Total			192.0	192.0	0	0	192.0							
						Bent No. 354-W								
3-10-76	354-W	1	96.0	96.0	0	0	96.0	0	"	236	81.5	693	530.36	11.0
3-10-76	354-W	2	96.0	96.0	0	0	96.0	0	"	214	81.2	697	512.59	11.0
Total			192.0	192.0	0	0	192.0							
						Bent No. 353-W								
3-11-76	353-W	1	96.0	96.0	0	0	96.0	0	"	231	82.0	693	526.52	11.0
3-11-76	353-W	2	96.0	96.0	0	0	96.0	0	"	257	81.6	732	515.37	11.0
Total			192.0	192.0	0	0	192.0							
						Total	Total	Total	Total	Approved	 Asst. Div. Const. Engr.			

Correct L. E. Jayer Project Engineer Approved J. D. Hankard 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

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

March 16, 1976

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

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

I-10-49-027.7 A

Dear Sir:

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

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: _____
T. G. Drinkard
Division Construction Engineer

JSH/wph

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

Attachment



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

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

March 9, 1976

D
Collins
Heritage

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

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

Dear Sir:

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

Bent 363 WBB thru 410 WBB

Bent 541 EBB thru 551 EBB

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

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between Hart Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 59.56 to Station 129 + 52.153 Lane (if applicable): East

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

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 31" Concrete

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
Bent No. 110-W														
2-2-76	110-W	1	80.0	80.0	0	0	80.0	0	80,000	210	57.9	551	533.33	22.
2-2-76	110-W	2	80.0	80.0	0	0	80.0	0	"	295	59.4	554	568.99	20.
Total				160.0	0	0	160.0							
Bent No. 109-W														
2-2-76	109-W	1	80.0	80.0	0	0	80.0	0	"	219	56.8	555	517.13	23.
2-2-76	109-W	2	80.0	80.0	0	0	80.0	0	"	221	58.9	555	518.81	21.
Total				160.0	0	0	160.0							
Bent No. 108-W														
2-3-76	108-W	1	80.0	80.0	2.5	0	82.5	0	"	252	59.0	516	512.01	23.
2-3-76	108-W	2	80.0	80.0	1.5	0	81.5	0	"	227	58.1	552	503.56	22.
Total				160.0	4.0	0	164.0							
				Total	Total	Total	Total	Approved						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(35)28
 Road between East Tunnel Interchange and Spanish Fort
 Bridge: Station 60 + 99.56 to Station 129 + 22.153 Lane (if applicable): WSP
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X
 Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 36" Coas.

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	CutOf to Groun
									Energy Delivered	No. Blows				
					Bent No. 401-W				80,000			Contr. Pile #		
2-1-76	401-W	1	81.0	81.0	9.75	0	93.75	0	"	305	70.25	559	576.13	23.5
2-1-76	401-W	2	81.0	81.0	1.0	0	85.0	0	"	361	62.3	562	601.56	22.7
Total				168.0	10.75	0	178.75							
					Bent No. 400-W									
2-5-76	400-W	1	81.0	81.0	0	0	81.0	0	"	298	60.2	561	570.61	23.5
2-5-76	400-W	2	81.0	81.0	0	0	81.0	0	"	302	61.4	560	572.66	22.6
Total				168.0	0	0	168.0							
					Bent No. 399-W									
2-5-76	399-W	1	81.0	81.0	0	0	81.0	0	"	677	61.5	580	639.15	22.5
2-5-76	399-W	2	81.0	81.0	0	0	81.0	0	"	327	61.6	576	585.65	22.1
Total				168.0	0	0	168.0							
				Total	Total	Total	Total	Approved						

Correct R. E. Jay Project Engineer Approved J. D. Pinkard 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 629 + 22.653 Lane (if applicable): W

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

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 O to Group
									Energy Delivered	No. Blows				
					Bent No. 395-W				80,000			Contn. Pile #		
2-10-76	395-W	1	86.0	86.0	0	0	86.0	0	"	312	62.1	572	576.03	23.
2-10-76	395-W	2	86.0	86.0	0	0	86.0	0	"	300	62.6	571	571.13	23.
Total				172.0	0	0	172.0							
					Bent No. 391-W									
2-10-76	391-W	1	86.0	86.0	0	0	86.0	0	"	162	63.1	576	635.12	22.
2-10-76	391-W	2	86.0	86.0	0	0	86.0	0	"	360	62.8	570	600.15	23.
Total				172.0	0	0	172.0							
					Bent No. 393-W									
2-12-76	393-W	1	88.0	88.0	1.5	0	89.50	0	"	362	67.0	607	601.05	22.
2-12-76	393-W	2	88.0	88.0	1.5	0	89.50	0	"	333	66.7	605	588.26	23.
Total				176.0	3	0	179.0							
				Total	Total	Total	Total							

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 34" 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 Group
									Energy Delivered	No. Blows				
												<u>Contr. Piles</u>		
						<u>Bent No. 389-1</u>				<u>80,000</u>				
<u>2-16-76</u>	<u>389-W</u>	<u>1</u>	<u>90.0</u>	<u>90.0</u>	<u>0</u>	<u>0</u>	<u>90.0</u>	<u>0</u>	<u>"</u>	<u>298</u>	<u>67.2</u>	<u>600</u>	<u>570.61</u>	<u>22.1</u>
<u>2-16-76</u>	<u>389-W</u>	<u>2</u>	<u>90.0</u>	<u>90.0</u>	<u>0</u>	<u>0</u>	<u>90.0</u>	<u>0</u>	<u>"</u>	<u>325</u>	<u>66.6</u>	<u>595</u>	<u>581.37</u>	<u>23.1</u>
<u>Total</u>				<u>180.0</u>	<u>0</u>	<u>0</u>	<u>180.0</u>							
						<u>Bent No. 388-W</u>								
<u>2-16-76</u>	<u>388-W</u>	<u>1</u>	<u>90.0</u>	<u>90.0</u>	<u>0.50</u>	<u>0</u>	<u>90.5</u>	<u>0</u>	<u>"</u>	<u>312</u>	<u>67.5</u>	<u>599</u>	<u>592.59</u>	<u>23.1</u>
<u>2-16-76</u>	<u>388-W</u>	<u>2</u>	<u>90.0</u>	<u>90.0</u>	<u>1.25</u>	<u>0</u>	<u>91.25</u>	<u>0</u>	<u>"</u>	<u>330</u>	<u>67.75</u>	<u>597</u>	<u>586.91</u>	<u>23.1</u>
<u>Total</u>				<u>180.0</u>	<u>1.75</u>	<u>0</u>	<u>181.75</u>							
						<u>Bent No. 387-W</u>								
<u>2-16-76</u>	<u>387-W</u>	<u>1</u>	<u>92.0</u>	<u>92.0</u>	<u>0</u>	<u>0</u>	<u>92.0</u>	<u>0</u>	<u>"</u>	<u>318</u>	<u>69.0</u>	<u>596</u>	<u>580.97</u>	<u>22.1</u>
<u>2-16-76</u>	<u>387-W</u>	<u>2</u>	<u>92.0</u>	<u>92.0</u>	<u>0</u>	<u>0</u>	<u>92.0</u>	<u>0</u>	<u>"</u>	<u>329</u>	<u>69.2</u>	<u>595</u>	<u>586.51</u>	<u>22.1</u>
<u>Total</u>				<u>184.0</u>	<u>0</u>	<u>0</u>	<u>184.0</u>							
				<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Approved</u>						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 7th Project I-10-I(35)20

Road between NEARIES East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 77.56 to Station 870 + 22.43 Lane (if applicable): WB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground	
									Energy Delivered	No. Blows					
						Bent No. <u>386-418</u>									
2/16/76	386	1	92	92	0	0	92	0	70,000	355	69.6	618	597.91	21.	
2/16/76	386	2	92	92	0	0	92	0	80,000	435	69.2	616	627.85	22.	
Total				184	0	0	184								
						Bent No. <u>385-418</u>									
2/17/76	385	1	92	92	0	0	92	0	70,000	217	69.5	617	538.72	20.	
2/17/76	385	2	92	92	0	0	92	0	80,000	189	69.0	614	489.60	23.	
Total				184	0	0	184								
						Bent No. <u>384-418</u>									
2/17/76	384	1	96	96	0	0	96	0	80,000	114	73.0	627	436.44	23	
2/17/76	384	2	96	96	0	0	96	0	80,000	161	72.0	630	458.45	23	
Total				192	0	0	192								
				Total	Total	Total	Total	Approved _____ Asst. Div. Const. Engr. (Bridges)							

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 1-10-1(19)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 50 + 99.56 to Station 129 + 22.153 Lane (if applicable): 2WB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou	
									Energy Delivered	No. Blows					
						Feet No. <u>381-480</u>									
2/19/76	383	1	96	96	0	0	96	0	80,000	151	72.8	629	445.93	2	
2/19/76	383	2	96	96	0	0	96	0	80,000	116	72.9	624	439.32	2	
Total				192	0	0	192								
						Feet No. <u>382-480</u>									
4/19/76	382	1	96	96	0	0	96	0	80,000	180	72.6	622	450.19	2	
2/19/76	382	2	96	96	0	0	96	0	80,000	110	73.0	621	430.80	2	
Total				192	0	0	192								
						Feet No. <u>381-480</u>									
2/19/76	381	1	96	96	0	0	96	0	80,000	129	73.2	619	443.21	2	
2/19/76	381	2	96	96	0	0	96	0	80,000	151	72.6	623	445.93	2	
Total				192	0	0	192								
				Total	Total	Total	Total	Approved							

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-10-1(15)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 69 + 22.53 Lane (if applicable): N39

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Grou
									Energy Delivered	No. Blows				
						Bent No. 377-WRE						Contr. Pile No.		
2/20/76	377W	1	96	96	1.25	0	97.25	0	80,000	161	73.55	633	458.49	22.
2/20/76	377W	2	96	96	0	0	96.0	0	80,000	155	72.5	617	450.96	23.
Total				192	1.25	0	193.25							
						Bent No. 376-WRE								
2/20/76	376W	1	96	96	1.0	0	97.0	0	80,000	116	76.0	654	439.32	23.
2/20/76	376W	2	96	96	5.25	0	101.25	0	80,000	139	77.89	635	429.41	23.
Total				192	6.25	0	198.25							
						Bent No. 375-WRE								
2/23/76	375W	1	96	96	0.50	0	96.50	0	80,000	160	73.6	632	457.11	22.
2/23/76	375W	2	96	96	0.50	0	96.50	0	80,000	114	73.6	634	436.44	23.
Total				192	1.0	0	193.0							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. B. Shankard Asst. Div. Const. Engr. (Bridges) 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 Fort

Bridge: Station 60 + 99.96 to Station 429 + 22.453 Lane (if applicable): WB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
Bent No. 376-410														
2/23/76	376	1	96	96	0.5	0	96.5	0	80,000	149	73.1	648	443.22	23.
2/23/76	376	2	96	96	0.25	0	96.25	0	80,000	116	72.65	638	439.31	23.
Total				192	0.75	0	192.75							
Bent No. 373-455														
2/25-76	373	1	96	96	0	0	96	0	80,000	195	73.0	649	495.36	23.
2/25/76	373	2	96	96	0	0	96	0	80,000	185	72.8	646	485.44	23.
Total				192	0	0	192							
Bent No. 372-418														
2/25/76	372	1	96	96	0	0	96	0	80,000	146	72.9	660	439.32	23.
2/25/76	372	2	96	96	0	0	96	0	80,000	110	72.6	631	430.80	23.
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. D. Drinkard Asst. Div. Const. Engr. (Bridges)
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 Fort

Bridge: Station 60 + 99.86 to Station 429 + 22.653 Lane (if applicable): WB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun	
									Energy Delivered	No. Blows					
						Bent No. <u>371-485</u>									
<u>2/25/76</u>	<u>371A</u>	<u>1</u>	<u>96</u>	<u>96</u>	<u>0.5</u>	<u>0</u>	<u>96.5</u>	<u>0</u>	<u>80,000</u>	<u>116</u>	<u>72.9</u>	<u>661</u>	<u>439.39</u>	<u>23.0</u>	
<u>2/25/76</u>	<u>371B</u>	<u>2</u>	<u>96</u>	<u>96</u>	<u>0.75</u>	<u>0</u>	<u>96.75</u>	<u>0</u>	<u>80,000</u>	<u>143</u>	<u>73.35</u>	<u>679</u>	<u>435.02</u>	<u>23.0</u>	
Total				<u>192</u>	<u>1.25</u>	<u>0</u>	<u>193.25</u>								
						Bent No. <u>370-485</u>									
<u>2/25/76</u>	<u>370A</u>	<u>1</u>	<u>96</u>	<u>96</u>	<u>0</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>80,000</u>	<u>145</u>	<u>72.2</u>	<u>680</u>	<u>437.85</u>	<u>23.0</u>	
<u>2/25/76</u>	<u>370B</u>	<u>2</u>	<u>96</u>	<u>96</u>	<u>0</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>80,000</u>	<u>158</u>	<u>72.4</u>	<u>657</u>	<u>454.80</u>	<u>23.0</u>	
Total				<u>192</u>	<u>0</u>	<u>0</u>	<u>192</u>								
						Bent No. <u>369-485</u>									
<u>1/26/76</u>	<u>369A</u>	<u>1</u>	<u>96</u>	<u>96</u>	<u>0</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>80,000</u>	<u>141</u>	<u>73.2</u>	<u>659</u>	<u>432.70</u>	<u>23.0</u>	
<u>1/26/76</u>	<u>369B</u>	<u>2</u>	<u>96</u>	<u>96</u>	<u>0</u>	<u>0</u>	<u>96</u>	<u>0</u>	<u>80,000</u>	<u>180</u>	<u>73.0</u>	<u>658</u>	<u>480.19</u>	<u>23.0</u>	
Total				<u>192</u>	<u>0</u>	<u>0</u>	<u>192</u>								
				Total	Total	Total	Total	Approved _____ Asst. Div. Const. Engr. (Bridges)							

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

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



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

February 10, 1976

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

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

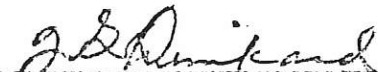
Dear Sir:

Attached are four (4) copies of Pile Driving Records for prestressed concrete piling (54" round) driven in Bents 411 through 446 Westbound Bridge and Bents 552, 553 and 554 Eastbound Bridge on the above referenced project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:


T. G. Drinkard
Division Construction Engineer

JSH/ldh

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

Attach.

*JHN
Collins*



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

February 5, 1976

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

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

Dear Sir:

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

Bent 411 WBB thru 416 WBB

Bent 552 EBB thru 554 EBB

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

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.151 Lane (if applicable): W

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
												<u>Contract. File No.</u>		
						<u>Bent 116-W</u>				<u>80,000</u>				
1-29-76	116	1	80.0	80.0	0	0	80.0		"	312	57.6	527	578.03	22.
1-29-76	116	2	80.0	80.0	0	0	80.0		"	212	56.9	528	535.12	21.
Total				160.0	0	0	160.0							
						<u>Bent 115-W</u>								
1-29-76	115	1	80.0	80.0	0	0	80.0		"	221	57.9	118	516.81	22.
1-29-76	115	2	80.0	80.0	0	0	80.0		"	276	56.7	116	557.88	21.
Total				160	0	0	160							
						<u>Bent 114-W</u>								
1-29-76	114	1	80.0	80.0	0	0	80.0		"	238	57.6	114	531.91	22.
1-29-76	114	2	80.0	80.0	0	0	80.0		"	225	56.4	117	521.05	23.
Total				160.0	0	0	160.0							
				Total	Total	Total	Total		<u>Approved</u>					
										<u>Asst. Div. Const. Engr.</u>				

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

040

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Group
									Energy Delivered	No. Blows				
							<u>Bent L19-X</u>		<u>80,00</u>					
<u>1-25-76</u>	<u>L19</u>	<u>1</u>	<u>76.0</u>	<u>76.0</u>	<u>0</u>	<u>0</u>	<u>76.0</u>		<u>"</u>	<u>278</u>	<u>51.6</u>	<u>532</u>	<u>559.05</u>	<u>21.</u>
<u>1-28-76</u>	<u>L19</u>	<u>2</u>	<u>76.0</u>	<u>76.0</u>	<u>0</u>	<u>0</u>	<u>76.0</u>		<u>"</u>	<u>226</u>	<u>53.1</u>	<u>531</u>	<u>522.88</u>	<u>22.</u>
<u>Total</u>				<u>152.0</u>	<u>0</u>	<u>0</u>	<u>152.0</u>							
							<u>Bent L18-X</u>							
<u>1-28-76</u>	<u>L18</u>	<u>1</u>	<u>76.0</u>	<u>76.0</u>	<u>0</u>	<u>0</u>	<u>76.0</u>		<u>"</u>	<u>252</u>	<u>53.7</u>	<u>501</u>	<u>512.01</u>	<u>22</u>
<u>1-28-76</u>	<u>L18</u>	<u>2</u>	<u>76.0</u>	<u>76.0</u>	<u>0</u>	<u>0</u>	<u>76.0</u>		<u>"</u>	<u>224</u>	<u>52.2</u>	<u>503</u>	<u>521.17</u>	<u>23</u>
<u>Total</u>				<u>152.0</u>	<u>0</u>	<u>0</u>	<u>152.0</u>							
							<u>Bent L17-X</u>							
<u>1-28-76</u>	<u>L17</u>	<u>1</u>	<u>80.0</u>	<u>80.0</u>	<u>0</u>	<u>0</u>	<u>80.0</u>		<u>"</u>	<u>241</u>	<u>57.4</u>	<u>530</u>	<u>518.32</u>	<u>22</u>
<u>1-28-76</u>	<u>L17</u>	<u>2</u>	<u>80.0</u>	<u>80.0</u>	<u>0</u>	<u>0</u>	<u>80.0</u>		<u>"</u>	<u>233</u>	<u>56.6</u>	<u>529</u>	<u>528.05</u>	<u>21</u>
<u>Total</u>				<u>160.0</u>	<u>0</u>	<u>0</u>	<u>160.0</u>							
				<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>	<u>Approved</u>						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

010

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Groun
									Energy Delivered	No. Blows				
						Bent 431-W			80,000			Contr. Pile #		
1-20-76	431	1	71.0	71.0	0	0	71.0	0	"	216	51.2	L88	139.32	19.
1-20-76	431	2	71.0	71.0	0	0	71.0	0	"	390	52.5	L86	612.09	21.
Total				142.0	0	0	142.0							
						Bent 430-W								
1-22-76	430	1	71.0	71.0	0	0	71.0	0	80,000	127	55.9	L29	111.53	19.
1-22-76	430	2	71.0	71.0	0	0	71.0	0	"	106	53.4	L81	375.23	20.
Total				142.0	0	0	142.0							
						Bent 429-W								
1-22-76	429	1	71.0	71.0	0	0	71.0	0	80,000	164	55.0	L83	162.16	19.
1-21-76	429	2	71.0	71.0	0	0	71.0	0	"	153	54.2	L84	148.43	20.
Total				142.0	0	0	142.0							
				Total	Total	Total	Total	Approved						

Correct R. E. Jaye Project Engineer

Approved J. D. Shankard 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 129 + 22.153 Lane (if applicable): WBB

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

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" 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	437	WBB		80,000			Contr. Pile No.		
1-15-76	437	1	74	74	0	0	74		"	106	54.6	473	375.23	19.4
1-15-76	437	2	74	74	0	0	74		"	126	58.1	472	409.77	21.2
Total				148	0	0	148							
					Bent	436	WBB							
1-16-76	436	1	74	74	0	0	74		"	111	55.1	474	384.93	18.9
1-16-76	436	2	74	74	0	0	74		"	139	51.0	454	429.35	23.0
Total				148	0	0	148							
					Bent	435	WBB							
1-16-76	435	1	74	74	0	0	74		"	124	55.2	471	406.57	18.8
1-16-76	435	2	74	74	0	0	74		"	109	51.4	470	380.79	22.6
Total				148	0	0	148		80,000					
				Total	Total	Total	Total	Approved						

Correct R. E. Jaze Project Engineer Approved [Signature] Asst. Div. Const. Engr. (Bridges) Division 9th Const. Engr.

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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. <u>440</u> WBB			80,000			Contr. Pile No.			
1-15-76	440	1	88	88	0	0	88		"	131	67.9	431	112.54	20.7	
1-15-76	440	2	88	88	0	0	88		"	310	65.8	430	576.78	22.2	
Total				176	0	0	176								
						Bent No. <u>439</u> WBB									
1-15-76	439	1	84	84	0	0	84		"	136	61.2	440	125.07	19.6	
1-15-76	439	2	84	84	0	0	84		"	142	63.3	442	433.60	20.7	
Total				168	0	0	168								
						Bent No. <u>438</u> WBB									
1-15-76	438	1	80	80	0	0	80		"	148	60.4	451	441.79	19.	
1-15-76	438	2	80	80	0	0	80		"	152	58.4	449	447.08	21.	
Total				160	0	0	160								
					Total	Total	Total	Total	Approved						
										Asst. Div. Const. Engr. (Bridges)					

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 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
 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. <u>443</u> WBB			80,000		Contr. File No.			
1-13-76	443	1	102	102	0.5	0	102.5		"	144	81.9	435	436.37	20.6
1-13-76	443	2	102	102	0	0	102		"	138	79.9	434	427.92	22.1
Total				204	0.5	0	204.5							
						Bent No. <u>442</u> WBB								
1-14-76	442	1	100	100	0	0	100		"	118	78.6	433	396.65	21.4
1-14-76	442	2	100	100	0	0	100		"	188	76.8	432	488.31	23.2
Total				200	0	0	200							
						Bent No. <u>441</u> WBB								
1-14-76	441	1	96	96	0	0	96		"	301	75.8	429	572.0	20.5
1-14-76	441	2	96	96	0	0	96		"	123	73.3	427	404.94	22.5
Total				192	0	0	192							
				Total	Total	Total	Total	Approved	Asst. Div. Const. Engr. (Bridges)					

Correct R. E. Jay Project Engineer Approved J. D. Blankard Division 9th 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 Shelton & Grace

Kind of Hammer: Diesel _____ Air _____ Steam X
 Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" 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. <u>446-WBB</u>		80,000				Contr. Pile No.		
1-12-76	446	1	112	112	0	7.8	104.2		"	410	84.8	438	618.91	19.1
1-12-76	446	2	112	112	0	7.0	105.0		"	376	85.0	412	606.47	20.0
Total				224	0	14.8	209.2							
						Bent No. <u>445 WBB</u>								
1-9-76	445	1	112	112	0	8.4	103.6		"	389	83.5	439	611.43	20.
1-9-76	445	2	112	112	0	7.1	104.9		"	416	83.4	413	620.93	21.
Total				224	0	15.5	208.5		"					
						Bent No. <u>444 WBB</u>								
1-13-76	444	1	108	108	0	2.9	105.1		"	403	85.1	436	616.48	20.
1-13-76	444	2	108	108	0	0	108.0		"	182	85.8	437	482.13	22.
Total				216	0	2.9	213.1		"					
					Total	Total	Total	Total	APPROVED	Asst. Div. Const. Engr. (Bridges)				

Correct R. E. Jay Project Engineer Approved J. D. [Signature] Division 9th Const. Engr.

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



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

January 23, 1976

I-10-49-027.7 A

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

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

Dear Sir:

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

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: _____
T. G. Drinkard
Division Construction Engineer

JSH/wph

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

Attachments



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

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

January 13, 1976

*H
Collins C
Heritage
JPH*

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

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

Dear Sir:

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

Bent 447 WBB thru 473 WBB

Bent 555 EBB thru 557 EBB

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

Should additional information be desired, please advise.

Yours very truly,

George D. McCaw
Acting Res. Engr.

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project 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 Grace & Shelton

Kind of Hammer: Diesel _____ Air _____ Steam X
Old

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 O to Grou
									Energy Delivered	No. Blows				
Bent No. 452 WB														Contr. File to
1/2/76	452A	1	132	132	0	20.93	111.07	0	80,000	491	90.07	424	643.08	21
1/2/76	452B	2	132	132	0	15.60	116.40	0	80,000	483	93.1	425	641.03	21
Total				264	0	36.53	227.47							
Bent No. 451 WB														
1/2/76	451A	1	132	132	0	18.32	113.68	0	80,000	505	94.56	423	646.73	21
1/2/76	451B	2	132	132	0	4.87	127.13	0	80,000	400	105.03	426	615.38	21
Total				264	0	23.19	240.81							
Bent No. 450 WB														
1/5/76	450A	1	128	128	0	16.00	114.00	0	80,000	432	92.9	422	626.47	21
1/3/76	450B	2	128	128	0	17.75	110.25	0	80,000	455	86.85	421	633.41	21
Total				256	0	33.75	224.25							
Total														Approved
Total														Test. Div. Const. Engr. (Bridges)

Correct George W. McLean Project Engineer

Approved J. D. Dinkard Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Port

Bridge: Station 80 + 99.56 to Station 829 + 22.453 Lane (if applicable): WB

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

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

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 O to Grou
									Energy Delivered	No. Blows				
Bent No. <u>455</u> WBB														
12/18/75	455a	1	108	108	0	0	108	0	80,000	348	92.0	603	595.24	1
12/18/75	455a	2	108	108	0	0	108	0	80,000	356	90.0	604	596.39	1
Total				216	0	0	216							
Bent No. <u>454</u> WBB														
12/30/75	454a	1	112	112	0	0	112	0	80,000	403	96.6	601	616.81	1
12/30/75	454a	2	112	112	0	0	112	0	80,000	406	93.4	600	617.70	1
Total				224	0	0	224							
Bent No. <u>453</u> WBB														
12/30/75	453a	1	122	122	0	5.65	116.35	0	80,000	416	100.25	397	621.12	1
12/30/75	453a	2	122	122	0	4.60	117.40	0	80,000	436	101.25	398	627.45	1
Total				244	0	10.25	233.75							
				Total	Total	Total	Total							

Correct George D. McClain Project Engineer Approved J. D. Dinkard Asst. Div. Const. Engr. Bridges
Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 129 + 22.653 Lane (if applicable): WB

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

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

040

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Group
									Energy Delivered	No. Blows				
						Bent No. <u>158 WB</u>						Contr Pile No		
12/18/75	458W	1	108	108	0	0	108	0	80,000	380	92.7	405	608.37	1
12/18/75	458W	2	108	108	0	0	108	0	80,000	378	89.8	407	607.44	10
Total				216	0	0	216							
						Bent No. <u>157 WB</u>								
12/18/75	457W	1	108	108	0	0	108	0	80,000	416	93.8	409	621.24	11
12/18/75	457W	2	108	108	0	0	108	0	80,000	398	90.0	408	614.91	12
Total				216	0	0	216							
						Bent No. <u>156 WB</u>								
12/19/75	456W	1	108	108	0	0	108	0	80,000	359	91.8	406	599.70	13
12/19/75	456W	2	108	108	0	0	108	0	80,000	363	89.2	402	601.50	14
Total				216	0	0	216							
			Total	Total	Total	Total								

Correct George D. McCaw Project Engineer Approved J. D. Hankard Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

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 No. 461 WBS														
12/12/75	461W	1	140	140	0	0	140	0	80,000	112	126.0	377	386.29	1
12/13/75	461W	2	140	140	0	0	140	0	80,000	125	120.7	376	408.16	1
Total				280	0	0	280							
Bent No. 460 WBS														
12/17/75	460W	1	140	140	0	1.90	138.1	0	80,000	271	117.9	380	554.79	2
12/17/75	460W	2	140	140	0	0	140	0	80,000	116	124.7	379	393.31	1
Total				280	0	1.90	278.1							
Bent No. 459 WBS														
12/17/75	459W	1	140	140	0	19.2	120.6	0	80,000	415	106.2	421	620.64	1
12/17/75	459W	2	140	140	0	25.7	114.3	0	80,000	396	94.2	410	613.97	1
Total				280	0	44.9	235.1							
Total				Total	Total	Total	Total							

Correct Georg D. McLean Project Engineer Approved J. B. Shankard Asst. Div. Const. Engr. (Bridges) 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.
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STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile - Baldwin Division 9th Project BRIDGE 1-10-1(15)28

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.46 to Station 129 + 22.453 Lane (if applicable): WB

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

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

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

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 No. 167 WB														
12/5/75	167	1	84	84	0	0	84	0	80,000	222	71.7	369	519.45	14.
12/5/75	167	2	84	84	0	0	84	0	80,000	234	65.9	368	529.12	18.
Total				168	0	0	168							
Bent No. 166 WB														
12/6/75	166	1	84	84	0	0	84	0	80,000	293	71.0	367	567.70	13.
12/6/75	166	2	84	84	1.0	0	85	0	80,000	258	66.2	382	546.00	10.
Total				168	1.0	0	169							
Bent No. 165 WB														
12/8/75	165	1	84	84	0	0	84	0	80,000	219	70.4	364	517.13	13.
12/8/75	165	2	84	84	0	0	84	0	80,000	292	64.9	366	567.38	19.
Total				168	0	0	168							
APPROVED														
Abut. Div. Const. Engr. (Bridges)														

Correct George D. McCa Project Engineer Approved J. D. Burkard Div. 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 9th Project I-10-1(35)28
 Road between Last Tunnel Interchange and Spanish Fort
 Bridge: Station 60 + 99.86 to Station 124 + 22.85 Lane (if applicable): LAB
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Newton & Crain

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						bent No. 473 WBB						Contr. Pile No.		
12/2/75	473	1	102	102	0	0	102	0	80,000	291	85.5	361	566.57	16.
12/2/75	473	2	102	102	0	0	102	0	80,000	300	85.1	365	571.47	16.
Total				204	0	0	204							
						bent no. 472 WBB								
12/4/75	472	1	96	96	1.0	0	97.0	0	80,000	315	82.4	358	570.87	14.
12/4/75	472	2	96	96	0	0	96	0	80,000	324	79.4	359	582.91	16.
Total				192	1.0	0	193							
						bent No. 471 WBB								
12/4/75	471	1	90	90	0	0	90	0	80,000	371	75.8	375	604.69	14.
12/4/75	471	2	90	90	0	0	90	0	80,000	290	73.9	374	586.17	16.
Total				180	0	0	180							
				Total	Total	Total	Total							

Correct George D. McLean Project Engineer Approved [Signature] Division Engineer Const. Engr.
 447-473 W = 5808.74

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



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

December 29, 1975

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

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

Dear Sir:

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

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: _____
T. G. Drinkard
Division Construction Engineer

JSH/wph

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

Attachments

564



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

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

December 12, 1975

D
Collins ✓
Heritage

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

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

Dear Sir:

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

Bent 474 WBB thru 498 WBB

Bent 490 EBB thru 510 EBB

Bent 558 EBB thru 563 EBB *564*

Bent 1 thru 13 Ramp B at US 98

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

Should additional information be desired, please advise.

Yours very truly,

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

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-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 Alvin Grace, Jr.

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutC to Grou
									Energy Delivered	No. Blows				
Bent No. 476 WBB														
11/26/75	476W	1	92	92	0	0	92	0	80,000	284	74	349	562.59	1E
11/26/75	476W	2	92	92	0	0	92	0	80,000	291	73.6	348	566.57	1E.
Total				184	0	0	184							
Bent No. 475 WBB														
11/26/75	475W	1	100	100	0	0	100	0	80,000	286	80.5	347	563.78	19.
11/26/75	475W	2	100	100	0	0	100	0	80,000	280	80.0	346	560.22	20.
Total				200	0	0	200							
Bent No. 474 WBB														
12/2/75	474W	1	106	106	0	0	106	0	80,000	281	89.6	345	560.62	16.
12/2/75	474W	2	106	106	0	1.80	104.20	0	80,000	310	87.4	344	576.78	16.
Total				212	0	1.80	210.20							
				Total	Total	Total	Total	APPROVED <u>Alvin Grace, Jr.</u> Asst. Div. Const. Engr. (Bridges)						

Correct George D. McClan Project Engineer Approved J. D. Drinkard Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile-Baldwin Division 9th Project I-10-1(35)25

Road between East Tunnel Interchange and Spanish Port

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 ✓ Hammer Action: single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
						Bent No. <u>479 WBB</u>						Contr. Pile No.		
11/19/75	479a	1	84	84	0	0	84	0	80,000	377	70.8	355	606.98	13.
11/19/75	479a	2	84	84	0	0	84	0	80,000	399	67.7	352	615.38	16.
Total				168	0	0	168							
						Bent No. <u>478 WBB</u>								
11/25/75	478a	1	84	84	0	0	84	0	80,000	412	69.9	354	619.67	14.
11/20/75	478a	2	84	84	0	0	84	0	80,000	394	67.2	350	613.50	16.
Total				168	0	0	168							
						Bent No. <u>477 WBB</u>								
11/20/75	477a	1	84	84	0	0	84	0	80,000	291	70.0	352	566.57	14.
11/20/75	477a	2	84	84	0	0	84	0	80,000	336	66.1	351	589.54	17
Total				168	0	0	168							
				Total	Total	Total	Total		Asst. Div. Const. Engr. (Bridges)					

Correct George D. McLean Project Engineer Approved _____ Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Yannel Interchange and Spanish Fort

Bridge: Station 60 + 97.56 to Station 129 + 22.453 Lane (if applicable): WB

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

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

ALO

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Ground
									Energy Delivered	No. Blows				
					Bent No. <u>482</u> <u>WB</u>									
11/19/75	482W	1	80	80	0	0	80	0	80,000	301	67.8	27h	572.25	14.
11/19/75	482W	2	80	80	0	0	80	0	80,000	291	63.9	285	566.57	16.
Total				160	0	0	160							
					Bent No. <u>481</u> <u>WB</u>									
11/19/75	481W	1	80	80	0	0	80	0	80,000	389	66.0	356	611.62	14.
11/19/75	481W	2	80	80	0	0	80	0	80,000	279	64.0	269	559.44	16.
Total				160	0	0	160							
					Bent No. <u>480</u> <u>WB</u>									
11/19/75	480W	1	80	80	0	0	80	0	80,000	304	66.7	357	573.89	13.
11/19/75	480W	2	80	80	0	0	80	0	80,000	312	63.5	284	578.03	16.
Total				160	0	0	160							
			Total	Total	Total	Total	APPROVE: _____ Asst. Div. Const. Engr. (Bridges)							

Correct George D. McCa 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)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 McCaw

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

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	CutO to Grou
									Energy Delivered	No. Blows				
Bent No. 490 WBB														
10/10/75	490W	1	76	76	0	0	76	0	80,000	235	50.0	2h7	529.80	26.
10/7/75	490W	2	76	76	0	0	76	0	80,000	312	50.0	2h0	578.03	26.
10/10/75	490W	3	76	76	0	0	76	0	80,000	238	50.0	2h3	531.91	26.
Total				228	0	0	228							
Bent No. 491 WBB														
10/7/75	491W	1	76	76	0	0	76	0	80,000	212	45.0	2h5	510.86	31.
10/6/75	491W	2	76	76	0	0	76	0	80,000	376	45.0	2h6	606.52	31.
10/7/75	491W	3	76	76	0	0	76	0	80,000	217	45.0	2h0	525.46	31.
Total				228	0	0	228							
Bent No. 492 WBB														
10/7/75	492W	1	76	76	0	0	76	0	80,000	291	44.0	2h4	566.57	32.
10/6/75	492W	2	76	76	0	0	76	0	80,000	364	44.0	2h1	601.96	32.
10/7/75	492W	3	76	76	0	0	76	0	80,000	273	44.0	3h2	555.94	32.
Total				228	0	0	228							
APPROVED														
Asst. Div. Const. Engr. (P. 1466)														

Correct George D. McCaw Project Engineer Approved _____ Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 22.53 Lane (if applicable): WB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutC to Grou
									Energy Delivered	No. Blows				
														Contr. File No.
						Bent No. 496 WBB								
10/3/75	496W	1	74	74	0	0	74	0	80,000	214	40.0	225	512.82	31.
10/2/75	496W	2	74	74	0	0	74	0	80,000	218	39.2	230	516.13	31.
10/3/75	496W	3	74	74	0	0	74	0	80,000	280	39.7	223	560.82	31.
Total				222	0	0	222							
														Bent No. 497 WBB
10/2/75	497W	1	74	74	0	0	74	0	80,000	240	36.2	206	533.33	37.
10/2/75	497W	2	74	74	0	0	74	0	80,000	220	38.9	207	517.00	35.
10/2/75	497W	3	74	74	0	0	74	0	80,000	236	40.8	210	530.50	33.
Total				222	0	0	222							
														Bent No. 498 WBB
10/2/75	498W	1	74	74	0	0	74	0	80,000	210	40.0	209	509.23	34.
10/2/75	498W	2	74	74	0	0	74	0	80,000	312	40.0	211	578.03	31.
10/2/75	498W	3	74	74	0	0	74	0	80,000	218	40.0	208	516.13	31.
Total				222	0	0	222							
														Total
														Asst. Div. Const. Engr. (Bridges)

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

WB 4788.2

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 24, 1975

Mr. G. A. Bowles
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 in Bents 499 through 563 WEB on the above referenced project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By: 

T. G. Drinkard
Division Construction Engineer

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

12 462.91 L.F.
Checked



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

NINTH DIVISION
~~XXXXXXXXXXXX~~
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

October 21, 1975

D
Collins ✓
Heritage *[Signature]*

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

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

Dear Sir:

Attached hereto are pile driving record for prestressed concrete piling (54" Round) driven in bents 499 thru 563 WBB.

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

Should additional information be desired, please advise.

Yours very truly,
R. E. Jaye
R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.26 to Station 429 + 22.453 Lane (if applicable): WB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
				Bent No. 502 WB										
9-30-75	502A	1	72	72	0	0	72	0	80,000	297	35.0	188	569.80	37.
9-30-75	502B	2	72	72	0	0	72	0	80,000	311	35.0	200	592.15	37.
9-30-75	502C	3	72	72	0	0	72	0	80,000	231	35.0	197	526.66	37.
Total				216	0	0	216							
				Bent No. 503 WB										
9-29-75	503	1	72	72	0	0	72	0	80,000	277	44.0	199	558.27	28.
9-29-75	503	2	72	72	4.0	0	76	0	80,000	234	44.0	192	529.10	28.
9-29-75	503	3	72	72	1.0	0	73	0	80,000	267	44.0	196	552.10	28.
Total				216	5.0	0	221	12-1						
				Bent No. 504 WB										
9-29-75	504	1	72	72	0	0	72	0	80,000	214	49.0	193	512.82	23.
9-29-75	504	2	72	72	0	0	72	0	80,000	218	49.0	194	516.13	23.
9-29-75	504	3	72	72	0	0	72	0	80,000	276	49.0	195	557.88	23.
Total				216	0	0	216							
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. D. Burkard 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 + 99.26 to Station 429 + 22.453 Lane (if applicable): WBL

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 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 Off to Ground
									Energy Delivered	No. Blows				
					Bent No. 505 W				80,000		Contr. Pile No.			
9-26-75	505	1	70	70	0	0	70	0	"	214	53.0	205	512.82	17.
9-26-75	505	2	70	70	0	0	70	0	"	222	52.0	160	519.48	18.
9-26-75	505	3	70	70	0	0	70	0	"	230	52.0	202	525.97	18.
Total				210	0	0	210	0						
					Bent 506 W									
9-26-75	506	1	70	70	0	0	70	0	80,00	212	52.8	204	510.86	17.
9-26-75	506	2	70	70	0	0	70	0	"	215	52.1	157	513.48	17.
9-26-75	506	3	70	70	0	0	70	0	"	213	52.0	203	511.84	18.
Total				210	0	0	210	0						
					Bent 507 W									
9-24-75	507	1	70	70	0	0	70	0	80,000	291	52.0	155	566.57	18.
9-17-75	507	2	70	70	0	0	70	0	"	216	52.0	181	511.17	18.
9-24-75	507	3	70	70	0	0	70	0	"	218	52.0	158	516.13	18.
Total				210	0	0	210	0						
				Total	Total	Total	Total	Approved						

Correct P. E. Jay Project Engineer Approved [Signature] Asst. Div. Const. Engineer (Bridges) Division [Signature] 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 + 99.26 to Station 129 + 22.453 Lane (if applicable): WBL
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCaw & Pennington

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer, 80,000 Size of Piling: 31"

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. 508 W														
9-24-75	508	1	70	70	0	0	70	0	80,000	228	52.5	156	524.25	17.0
9-17-75	508	2	70	70	0	0	70	0	"	213	52.0	148	511.84	18.0
9-24-75	508	3	70	70	0	0	70	0	"	238	52.0	159	531.97	18.0
Total				210	0	0	210	0						
Bent No. 509 W														
9-12-75	509	1 1	70	70	0	0	70	0	80,000	242	59.0	133	535.12	11.0
9-12-75	509	2	70	70	0	0	70	0	"	230	58.0	149	525.97	12.0
Total				140	0	0	140	0						
Bent No. 510 W														
9-12-75	510	1	70	70	0	0	70	0	80,000	219	58.5	153	517.13	11.0
9-12-75	510	2	70	70	0	0	70	0	"	217	58.0	151	515.46	12.0
Total				140	0	0	140	0						
				Total	Total	Total	Total	Approved						

Correct R. E. Jay Project Engineer Approved J. B. ... Asst. Div. Const. Engineer (Bridges)
 Division WBL 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 + 99.26 to Station 129 + 22.453 Lane (if applicable): WHL

Contractor Drown & Root, Inc. Sub-Contractor _____ Inspector McGaw

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
						0 <u>511</u> W						File <u>File</u>		
9-11-75	511	1	70	70	0	0	70	0	80,000	234	58.8	132	529.10	11.
9-11-75	511	2	70	70	0	0	70	0	"	241	53.9	154	534.40	16.
Total				140	0	0	<u>140</u>	0						
						0 <u>512</u> W								
9-12-75	512	1	68	68	0	0	68	0	80,000	210	55.8	130	509.23	12.
9-12-75	512	2	68	68	0	0	68	0	"	214	52.0	138	512.13	16.
Total				136	0	0	<u>136</u>	0						
						0 <u>513</u> W								
9-9-75	513	1	68	68	0	0	68	0	80,000	222	56.0	139	519.48	12.
9-9-75	513	2	68	68	0	0	68	0	"	218	51.2	141	516.13	16.
Total				136	0	0	<u>136</u>	0						
						0 <u>514</u> W								
9-10-75	514	1	68	68	0	0	68	0	80,000	241	56.1	131	524.40	13.
9-10-75	514	2	68	68	0	0	68	0	"	228	51.1	140	524.25	16.
Total				136	0	0	<u>136</u>	0						
				Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved J. B. Brinkard 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 + 99.86 to Station 429 + 22.453 Lane (if applicable): WBL

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 31"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
						Bent 515 W			80,000			Concr. Pile		
9-9-75	515	1	70	70	0	0	70	0	"	231	58.0	111	529.10	12.
9-9-75	515	2	70	70	0	0	70	0	"	269	53.6	112	553.25	16.
Total			140	140	0	0	140							
						Bent 516 W								
9-9-75	516	1	70	70	0	0	70	0	80,000	217	56.6	113	515.46	13.
9-9-75	516	2	70	70	0	0	70	0	"	211	54.0	150	512.82	16.
Total				140	0	0	140							
						Bent 517 W								
9-8-75	517	1	70	70	0	0	70	0	80,00	231	58.0	152	526.66	11.
9-8-75	517	2	70	70	0	0	70	0	"	280	55.1	145	560.22	11.
Total				140	0	0	140							
						Bent 518 W								
9-8-75	518	1	72	72	0	0	72	0	80,000	216	60.4	117	537.99	11.
9-8-75	518	2	72	72	0	0	72	0	"	221	57.0	116	518.81	15.
Total				144	0	0	144							
				Total	Total	Total	Total	Approved						

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

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

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 + 99.26 to Station 429 + 22.153 Lane (if applicable): WBL
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector McCaw & Pennington

Kind of Hammer: Diesel _____ Air _____ Steam X Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 24"

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 O to Grou
									Energy Delivered	No. Blows				
					Bent	519 W			80,000			Cont. Pile No		
9-5-75	519	1	72	72	0	0	72	0	"	212	61.0	127	510.86	11.
9-5-75	519	2	72	72	0	0	72	0	"	232	59.0	128	527.36	13.
Total			144	144	0	0	144	✓						
					Bent	520 W								
9-5-75	520	1	72	72	0	0	72	0	80,000	218	60.5	135	516.13	11.
9-5-75	520	2	72	72	0	0	72	0	"	214	57.5	134	512.82	14.
Total			144	144	0	0	144	✓						
					Bent	521 W								
9-4-75	521	1	72	72	0	0	72	0	80,000	230	61.3	137	525.97	10.
9-4-75	521	2	72	72	0	0	72	0	"	228	57.3	136	524.25	14.
Total			144	144	0	0	144	✓						
					Bent	522 W								
9-5-75	522	1	74	74	0	0	74	0	80,000	216	62.7	121	516.47	11.
9-5-75	522	2	74	74	0	0	74	0	"	212	58.9	125	510.86	15.
Total			148	148	0	0	148	✓						
					Total	Total	Total	Total	Approved					

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 59.26 to Station 629 + 22.453 Lane (if applicable): WBL

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 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 Group
									Energy Delivered	No. Blows				
						Bent 523 W						Contr. Pile No		
9-4-75	523	1	74	74	0	0	74	0	80,000	234	61.9	123	529.10	12.
9-4-75	523	2	74	74	0	0	74	0	"	224	58.6	124	521.17	15.
Total				148	0	0	148	✓						
						Bent 524 W								
9-4-75	524	1	74	74	0	0	74	0	80,000	420	62.2	122	522.57	11.
9-4-75	524	2	74	74	0	0	74	0	"	416	59.1	126	521.12	14.
Total				148	0	0	148	✓						
						Bent 525 W								
9-3-75	525	1	76	76	0	0	76	0	80,000	416	64.4	119	521.18	11.
9-3-75	525	2	76	76	0	0	76	0	"	424	60.8	114	523.52	15.
Total				152	0	0	152	✓						
						Bent 526 W								
9-3-75	526	1	76	76	0	0	76	0	80,000	417	64.0	119	521.60	12.
9-3-75	526	2	76	76	0	0	76	0	"	428	60.0	120	525.00	16.
Total				152	0	0	152	✓						
				Total	Total	Total	Total	Approved						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.26 to Station 129 + 22.453 Lane (if applicable): WTL

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 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 Contr. Pile No.	Computed Bearing	CutOff to Grout
									Energy Delivered	No. Blows				
					Bent	527 W								
8-27-75	527	1	76	76	0	0	76	0	80,000	116	63.6	118	620.64	12.
8-27-75	527	2	76	76	0	0	76	0	"	118	60.6	117	621.60	15.
Total				152	0	0	152	✓						
					Bent	528 W								
8-27-75	528	1	80	80	0	0	80	0	80,000	131	66.9	112	625.98	13.
8-27-75	528	2	80	80	0	0	80	0	"	121	63.9	111	622.57	16.
Total				160	0	0	160	✓						
					Bent	529 W								
8-27-75	529	1	80	80	0	0	80	0	80,000	125	68.6	110	624.02	11.
8-27-75	529	2	80	80	0	0	80	0	"	115	67.1	115	620.64	12.
Total				160	0	0	160	✓						
					Bent	530 W								
8-27-75	530	1	80	80	0	0	80	0	80,000	121	69.0	108	622.57	11.
8-27-75	530	2	80	80	0	0	80	0	"	129	67.9	116	625.49	12.
Total				160	0	0	160	✓						
				Total	Total	Total	Total	Approved						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.26 to Station 129 + 22.153 Lane (if applicable): WB

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 24"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Grou
									Energy Delivered	No. Blows				
Bent 531 W														
8-26-75	531	1	80	80	0	0	80	0	80,000	122	69.2	107	623.05	10
8-26-75	531	2	80	80	0	0	80	0	"	134	65.2	109	626.96	11.
Total				160	0	0	160							
Bent 532 W														
8-26-75	532	1	80	80	0	0	80	0	80,000	113	67.9	106	620.16	12.
8-26-75	532	2	80	80	0	0	80	0	"	141	65.3	105	628.93	11.
Total				160	0	0	160							
Bent 533 W														
8-25-75	533	1	80	80	0	0	80	0	80,000	134	68.9	103	626.96	11.
8-25-75	533	2	80	80	0	0	80	0	"	128	66.9	104	625.00	13.
Total				160	0	0	160							
Bent 534 W														
8-25-75	534	1	84	84	0	0	84	0	80,000	129	73.7	99	625.19	10
8-25-75	534	2	84	84	0	0	84	0	"	139	71.1	102	622.08	12
Total				168	0	0	168							
				Total	Total	Total	Total							

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

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

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+99.26 to Station 429+22.453 Lane (if applicable): VIII

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 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				
						<u>Bent 535 W</u>						<u>Center Pile No.</u>		
8-22-75	535	1	84	84	0	1.0	83	0	80,000	430	73.5	97	619.20	9.5
8-22-75	535	2	84	84	0	0	84	9	"	430	72.7	101	625.49	11.
Total				168	0	1.0	167	✓						
						<u>Bent 536 W</u>								
8-22-75	536	1	84	84	7.0	0	91	1	80,000	414	81.9	98	620.64	9.1
8-22-75	536	2	84	84	0	0	84	0	"	422	72.8	100	623.05	11.
Total				168	7.0	0	175	✓						
						<u>Bent 537 W</u>								
8-22-75	537	1	84	84	0	0	84	0	80,000	434	74.8	83	626.96	9.2
8-22-75	537	2	84	84	0	0	84	0	"	438	72.3	84	621.60	11.
Total				168	0	0	168	✓						
						<u>Bent 538 W</u>								
8-22-75	538	1	84	84	0	0	84	0	80,000	416	75.0	81	621.12	9.0
8-22-75	538	2	84	84	0	0	84	0	"	414	71.8	79	620.64	12.
Total				168	0	0	168	✓						
				Total	Total	Total	Total	Approved						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.26 to Station 129 + 22.453 Lane (if applicable): WB

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 34"

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 539 W														
8-22-75	539	1	84	84	0	0	84	0	80,000	118	74.6	76	621.60	9.1
8-21-75	539	2	84	84	0	0	84	0	"	124	71.6	75	623.54	12.
Total				168	0	0	168							
Bent 510 W														
8-21-75	510	1	84	84	0	0	84	0	80,000	117	75.1	82	621.60	8.5
8-21-75	510	2	84	84	0	0	84	0	"	130	72.3	77	625.19	11.
Total				168	0	0	168							
Bent 511 W														
8-21-75	511	1	84	84	7.0	0	91.0	1	80,000	114	83.0	71	620.64	8.0
8-21-75	511	2	84	84	5.5	0	89.5	1	"	118	76.5	78	621.60	12.
Total				168	12.5	0	180.5							
Bent 512 W														
8-21-75	512	1	84	84	0	0	84	0	80,000	116	75.0	80	621.12	9.
8-21-75	512	2	84	84	0	0	84	0	"	114	72.3	72	620.64	11.
Total				168	0	0	168							
				Total	Total	Total	Total	Approved						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.26 to Station 129 + 22.63 Lane (if applicable): WB

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

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

040

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 36"

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 5h3 W														
8-18-75	5h3	1	84	84	6.5	0	90.5	1	80,000	412	80.7	61	619.67	9.6
8-18-75	5h3	2	84	84	7.5	0	91.5	1	"	420	79.4	63	622.57	12.0
Total				168	14.0	0	182.0	✓						
Bent 5h4 W														
8-18-75	5h4	1	84	84	6.5	0	90.5	1	80,000	416	79.5	92	621.12	10.0
8-18-75	5h4	2	84	84	0	0	84	0	"	418	71.6	94	621.60	12.0
Total				168	6.5	0	174.5	✓						
Bent 5h5 W														
8-18-75	5h5	1	84	84	0	0	84	0	80,000	384	74.2	95	609.76	9.0
8-18-75	5h5	2	84	84	0	0	84	0	"	367	71.9	87	603.32	12.0
Total				168	0	0	168	✓						
Bent 5h6 W														
8-18-75	5h6	1	84	84	1.5	0	85.5	1	80,000	280	76.4	88	560.22	9.0
8-18-75	5h6	2	84	84	1.5	0	85.5	1	"	300	73.9	90	571.43	11.0
Total				168	3.0	0	171.0	✓						
				Total	Total	Total	Total	Approved						

Correct R. E. Jay Project Engineer Approved J. D. Shankard 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 McCaw & Morzan

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

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 Group
									Energy Delivered	No. Blows				
Bent No. <u>547</u> WBB														
8-15-75	547	1	84	84	0	0	84	0	80,000	420	72	96	622.57	12.0
8-15-75	547	2	84	84	0	0	84	0	80,000	331	71.6	93	587.37	12.0
Total				168	0	0	168							
Bent No. <u>548</u> WBB														
8-15-75	548	1	84	84	0	0	84	0	80,000	284	72.2	91	552.59	11.0
8-15-75	548	2	84	84	0	0	84	0	80,000	400	68.2	89	615.38	15.0
Total				168	0	0	168							
Bent No. <u>549</u> WBB														
8-11-75	549	1	84	84	0	0	84	0	80,000	354	68.6	71	597.91	15.0
8-11-75	549	2	84	84	3.0	0	87	0	80,000	288	71.0	73	564.97	16.0
Total				168	3.0	0	171							
				Total	Total	Total	Total	APPROVED						

Correct R. E. Jare 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
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 + 99.26 to Station 129 + 22.153 Lane (if applicable): WRB

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutO to Group
									Energy Delivered	No. Blows				
							Bent 550 W					Cont. Pile No.		
8-7-75	550	1	86	86	0	0	86	0	80,000	132	70.0	64	626.17	16.
8-7-75	550	2	86	86	0	0	86	0	"	355	69.8	66	597.91	16.
8-7-75	550	3	86	86	2.75	0	88.75	1	"	288	72.75	62	564.97	16.
Total				258	2.75	0	260.75	✓						
							Bent 551 W							
8-6-75	551	1	86	86	0	1.0	85.0	0	80,000	375	70.0	85	606.06	15.
8-6-75	551	2	86	86	0	1.0	85.0	0	"	356	69.2	68	598.35	15.
8-6-75	551	3	86	86	0	0	86.0	0	"	324	70.0	75	583.94	16.
Total				258	0	2.0	256	✓						
							Bent 552 W							
8-6-75	552	1	88	88	0	0	88	0	80,000	306	73.0	67	574.71	15.
8-2-75	552	2	88	88	12.0	0	100	1	"	317	64.1	69	580.55	15.
8-5-75	552	3	88	88	0	3.0	85	0	"	306	69.0	70	574.71	16.
Total				264	12.0	3.0	273	✓						
				Total	Total	Total	Total	Approved						

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.26 to Station 129 + 82.153 Lane (if applicable): WB

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

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

Energy delivered=Effective WH or E, depending on type of hammer. 80,000 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 Grout
									Energy Delivered	No. Blows				
						Bent 553 W						Center Pile 50		
7-30-75	553	1	90	90	0	0	90	0	80,000	288	76.0	86	564.97	11.
8-1-75	553	2	90	90	2.67	0	92.67	1	"	280	77.37	18	560.22	15.
8-1-75	553	3	90	90	0	2.80	87.2	0	"	284	73.8	50	562.59	16.
Total				270	2.67	2.80	269.87	✓						
						Bent 554 W								
7-28-75	554	1	90	90	0	1.19	88.61	0	80,000	620	73.01	51	670.58	15.
7-28-75	554	2	90	90	0	1.77	88.23	0	"	500	72.57	17	645.16	15.
7-28-75	554	3	90	90	1.35	0	91.35	1	"	340	75.35	19	591.72	15.
Total				270	1.35	3.16	268.19	✓						
						Bent 555 W								
7-25-75	555	1	92	92	0	1.5	90.5	0	80,000	120	74.5	95	619.20	16.
7-25-75	555	2	92	92	0	0	92	0	"	386	75.9	94	610.69	16.
7-26-75	555	3	92	92	0	0	92	0	"	387	75.6	92	610.69	16.
Total				276	0	1.5	274.5	✓						
				Total	Total	Total	Total	Approved						

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

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 Baldwin-Mobile 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): W. B. Lane

Contractor Brown & Root, Inc. Sub-Contractor None Inspector McGraw & Morgan

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 24" concrete 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 O to Grou
									Energy Delivered	No. Blows				
			Bent		557		W. B. B.							
7-18-75	557WB	1	96	96	0	0	96	0	80,000	510	80.2	55	654.66	15.
7-18-75	557WB	2	96	96	0	0	96	0	80,000	276	79.5	58	557.88	16.
7-18-75	557WB	3	96	96	0	0	96	0	80,000	280	79.5	56	563.78	16.
TOTAL			288	288	0	0	288							
			Bent		556		W. B. B.							
7-22-75	556WB	1	96	96	0	0	96	0	80,000	276	80.8	60	557.88	15.
7-22-75	556WB	2	96	96	0	0	96	0	80,000	140	79.8	58	628.93	16.
7-22-75	556WB	3	96	96	0	0	96	0	80,000	278	79.5	57	559.05	16.
TOTAL			288	288	0	0	288							
			Total	Total	Total	Total								

Correct R. E. Jay Project Engineer Approved J. B. Blum Assl. Div. Const. Engr. (bridges) Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60 + 99.56 to Station 429 + 21.453 Lane (if applicable): N. B. B.

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

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Cono. (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 Groun
									Energy Delivered	No. Blows				
Bent No. 560 W. B. B.														
7/14/75	560 WB	1	96	96	0	1.4	94.6	0	75,000	270	74.1	10	519.39	20.
7/14/75	560 WB	2	96	96	0	0	96	0	75,000	265	75.5	32	516.53	20.
7/14/75	560 WB	3	96	96	0	0	96	0	75,000	330	75.5	45	550.26	20.
Total			288	288	0	1.4	286.6	✓						
Bent No. 559 W. B. B.														
7-15-75	559 WB	1	96	96	0	0	96	0	75,000	264	80	10	515.82	16
7-15-75	559WB	2	96	96	0	0	96	0	75,000	290	79.8	34	530.79	16
7-15-75	559WB	3	96	96	0	0	96	0	75,000	259	79.6	39	512.65	16
TOTAL			288	288	0	0	288	✓						
Bent No. 550 W. B. B.														
7-16-75	550WB	1	96	96	0	0	96	0	75,000	273	80	38	521.20	16
7-16-75	550WB	2	96	96	0	0	96	0	75,000	280	80	36	525.21	16
7-16-75	550WB	3	96	96	0	0	96	0	75,000	450	80	37	592.42	16
TOTAL			288	288	0	0	288	✓						
Approved _____														
Asst. Div. Construction Engr. (Bridge)														

Correct R. E. Jay Project Engineer Approved J. D. Demko 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 Mobilis-Baldwin Division 9th Project I-10-1(15) 28

Road between East Tunnel Interchange and Spanish Fort

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

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

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" Conc. (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				
						<u>Dent No. 563 W. B. B.</u>								
6-23-75	563 WB	1	96	96	0	0	96	0	75,000	295	93.5	29	533.43	2.9
6-25-75	563 WB	2	96	96	0	0	96	0	75,000	265	93.3	31	516.53	2.7
6-26-75	563 WB	3	96	96	0	0	96	0	75,000	400	93.0	27	576.92	3.0
Total				288	0	0	288							
						<u>Dent No. 562 W. B. B.</u>								
7/2/75	562 WB	1	96	96	0	0	96	0	75,000	372	92.0	28	567.32	4.0
7/3/75	562 WB	2	96	96	0	0	96	0	75,000	321	92.2	33	546.25	3.6
7/3/75	562 WB	3	96	96	0	0	96	0	75,000	288	92.3	35	529.66	3.7
Total				288	0	0	288							
						<u>Dent No. 561 W. B. B.</u>								
7/9/75	561 WB	1	96	96	0	0	96	0	75,000	260	75.5	43	513.35	20.5
7/10/75	561 WB	2	96	96	0	0	96	0	75,000	260	75.5	42	513.35	20.5
7/10/75	561 WB	3	96	96	0	0	96	0	75,000	268	75.5	46	518.31	20.5
Total				288	0	0	288							
				Total	Total	Total	Total		Approved <u>[Signature]</u> Asst. Div. Const. Engr. (Bridges)					

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

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

71,11



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 18, 1975

~~I-10-49-027.7 A~~

~~I-10-49-027.7 A-8~~

Mr. C. A. Bowles, Engineer
Bureau of Construction
State Highway Department
Montgomery, Alabama 36104

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

Dear Sir:

Attached are three(3) copies of piling driving records for HP 10 x 42 piling driven in Bent (Abutment) 564 Westbound lane, Bent (Abutment) 565 Eastbound lane and B-14 (Abutment), Ramp "B" (U. S. 98) of the above referenced project.

This completes Item 515-M steel piling (HP 10 x 42) on the project.

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

JSH/dm
Attach.
cc: Mr. D. C. Collins
Mr. R. E. Jaye
File ✓

checked



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA
HIGHWAY DEPARTMENT

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

Collins

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

March 13, 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 10 X 42 piling driven in abutments 564 W. B. B., 565 E. B. B., and B-11 Ramp "B" U. S. 98.

This completes item 515-M steel piling(HP 10 X 42).

Should additional information be desired, please advise.

Yours very truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. Dan C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF STEEL PILING

SHEET 1 OF 2.

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): W. B. B.
 Contractor Brown & Root, Inc. Sub-Contractor Interstate Piledrivers Inspector McCaw, Orrell

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 10 DP @ 42'

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	Kind XXXX XXXX XXXX HEAT NO.	Computed Bearing	CutC to Grou
										Energy Delivered	Penetr. 10 Blows				
BENT NO. 564 WEST BOUND BRIDGE ABUTMENT															
2/25/75	564	1	96.85	50' 50'	1	0	3.15	96.85	2	15,000	1"	95.35	J93420 J93420	75.00	1
2/19/75	564	2	96.91	60' 50'	1	0	13.09	96.91	1	15,000	1"	95.41	K95201 K95518	75.00	1
2/19/75	564	3	97.04	50' 60'	1	0	12.96	97.04	1	15,000	7/8"	95.54	J93422 K95518	80.00	1
2/19/75	564	4	97.16	50' 60'	1	0	12.84	97.16	1	15,000	7/8"	95.66	J93420 184753	80.00	1
2/20/75	564	5	97.29	60' 50'	1	0	12.71	97.29	1	15,000	3/4"	95.79	K95198 J93420	85.71	1
3/7/75	564	6	97.41	50' 60'	1	0	12.59	97.41	1	15,000	1 3/4"	95.91	K95518 K95518	55.15	1
2/25/75	564	7	97.48	50' 50'	1	0	2.52	97.48	1	15,000	1 7/8"	94.98	J93420 K95518	52.17	1
2/25/75	564	8	96.10	50' 50'	1	0	3.90	96.10	1	15,000	1"	94.60	J93420 J93422	75.00	1
2/18/75	564	9	96.16	50' 50'	1	0	3.84	96.16	1	15,000	5/8"	94.66	J93422 J93422	92.31	1
2/18/75	564	10	96.29	50'	1	0	3.71	96.29	1	15,000	1/2"	94.79	K95518 J93422	100.00	1
	564	11	TEST PILE												
2/17/75	564	12	96.54	50' 60'	1	0	13.46	96.54	1	15,000	1/2"	95.04	J93422 K95518	100.00	1
2/17/75	564	13	96.66	50' 50'	1	0	3.34	96.66	1	15,000	3/4"	95.16	J92420 J93420	85.71	1
2/25/75	564	14	96.73	50' 50'	1	0	3.27	96.73	1	15,000	2"	95.23	J93420 J93420	50.00	1
2/21/75	564	15	97.10	50' 50'	1	0	2.90	97.10	1	15,000	3/4"	95.60	J93420 K95518	85.71	1
2/21/75	564	16	97.73	50'	1	0	2.27	97.73	1	15,000	1"	96.23	J93420 J93420	75.00	1
				Total		Total	Total	Total							

Correct _____ Approved _____
 Project Engineer _____ 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

SHEET 2 OF 2

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): W. B. B.
 Contractor Brown & Root, Inc. Sub-Contractor Interstate Piledrivers Inspector McCaw, Orrell

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 10 SP @ 42"

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	CutO to Group
										Energy Delivered	Penetr. 10 Blows			
BENT NO. 564 WEST BOUND BRIDGE ABUTMENT														
2/22/75	564	17	97.10	50'	1	0	2.90	97.10	1	15,000	3/4"	95.60	85.71	1
2/20/75	564	18	97.73	50'	1	0	2.27	97.73	1	15,000	7/8"	96.23	80.00	1
2/22/75	564	19	97.10	50'	1	0	2.90	97.10	1	15,000	1"	95.60	75.00	1
2/20/75	564	20	97.73	50'	1	0	2.27	97.73	1	15,000	1"	96.23	75.00	1
				TOTAL		TOTAL	TOTAL	TOTAL						
				1960'		0	116.89	1843211						
NOTE: ERROR CORRECTION - PILE # 11-A & 13-A @ CONTRACTOR'S EXPENSE														
REFER TO APPROVED SKETCH SHOWING MODIFICATIONS TO BT # 564 W. B. L.														
3/7/75	564	11-A	96.16	50' 60'	1	0.00'	13.84	96.16	1	15,000	2 1/2"	94.66	42.86	1
3/7/75	564	13-A	96.66	50' 60'	1	0.00'	13.34	96.66	1	15,000	2 1/2"	95.16	42.86	1
										APPROVED: <i>[Signature]</i> Asst. Div. Construction Engr. (Br.)				
				Total		Total	Total	Total						

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