



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 10, 1976

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

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

Dear Sir:

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

Bents 2 through 4 - Eastbound Bridge 480.0
Bents 133 through 151 - Eastbound Bridge 5273.85
Bents 251 through 333 - Eastbound Bridge 15940.72
Bents 2 through 4 - Westbound Bridge 480.0
Bents 217 through 268 - Westbound Bridge 9936.15

MISSING BT 146-151,
BT 271 - 274

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:

T. G. Drinkard

T. G. Drinkard
Division Construction Engineer

JSH/lc
Attach.

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



RAY D. BASS
HIGHWAY DIRECTOR

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HIGHWAY DEPARTMENT

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1701 BELTLINE HIGHWAY, NORTH
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MOBILE, ALABAMA 36607
Telephone: 471-3441

Collins
Heritage, et al

December 8, 1976

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 2 EBB thru 4 EBB

Bent 133 EBB thru 151 EBB

Bent 251 EBB thru 333 EBB

Bent 2 WBB thru 4 WBB

Bent 217 WBB thru 268 WBB

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

Should additional information be desired, please advise.

Yours truly,

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

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

[illegible]

Correct P. E. [Signature] Approved _____
Project Engineer Part 3 3 1 5 4000 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): EBB
 Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.

Kind of Hammer: Diesel _____ Air _____ Steam X
080
 Hammer Action: Single
 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54"

Size of Piling: 54"														
Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						Bent No. 133 EBB								
1/23/76	133E	1	88	88	0	0	88	0	75,000	141	72.0	1509	405.19	16.0
1/23/76	133E	2	88	88	0	0	88	0	75,000	150	72.0	1511	416.67	16.0
Total				176	0	0	176							
						Bent No. 134 EBB								
2/22/76	134E	1	88	88	0	0	88	0	75,000	202	72.0	1513	471.51	16.0
2/22/76	134E	2	88	88	0	0	88	0	75,000	188	72.0	1507	457.88	16.0
Total				176	0	0	176							

Project Engineer R. E. J. [Signature] Approved _____
 Division Engineer XXXXX Const. Engr.
 Plans 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.
 Do show any changes in plans on back

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{x}{080}$. Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent	No. 137	EBB					Contr Pile No		
9/17/76	137E	1	88	88	0	0	88	0	75,000	139	72.0	1488	402.58	16.0
9/17/76	137E	2	88	88	0	0	88	0	75,000	147	72.0	1514	413.00	16.0
9/17/76	137E	3	88	88	0	0	88	0	75,000	205	72.0	1487	473.19	16.0
Total				264	0	0	264							
					Bent	No. 136	EBB							
9/20/76	136E	1	88	88	0	0	88	0	75,000	138	72.0	1516	401.28	16.0
9/20/76	136E	2	88	88	0	0	88	0	75,000	147	72.0	1512	413.00	16.0
9/20/76	136E	3	88	88	0	0	88	0	75,000	143	72.0	1515	407.83	16.0
Total				264	0	0	264							
					Bent	No. 135	EBB							
9/22/76	135E	1	88	88	0	0	88	0	75,000	138	72.0	1508	401.28	16.0
9/22/76	135E	2	88	88	0	0	88	0	75,000	147	72.0	1506	413.00	16.0
9/22/76	135E	3	88	88	0	0	88	0	75,000	143	72.0	1510	407.83	16.0
Total				264	0	0	264							
				Total	Total	Total	Total							

Correct L. E. Jain Project Engineer Approved _____ Division Engineer Const. Engr.

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent	No. 140 EBB						Contr File No		
2/15/76	140E	1	88	88	0	0	88		75,000	150	70.0	1467	116.67	18.0
2/15/76	140E	2	88	88	0	0	88		75,000	142	70.0	1464	106.50	18.0
2/15/76	140E	3	88	88	0	0	88		75,000	166	70.0	1465	135.54	18.0
Total				264	0	0	264							
					Bent	No. 139 EBB								
2/15/76	139E	1	88	88	0	0	88		75,000	138	70.0	1468	101.28	18.0
2/15/76	139E	2	88	88	0	0	88		75,000	142	70.0	1469	106.50	18.0
2/15/76	139E	3	88	88	0	0	88		75,000	183	70.0	1466	153.17	18.0
Total				264	0	0	264							
					Bent	No. 138 EBB								
2/16/76	138E	1	88	88	0	0	88		75,000	145	72.0	1470	110.51	16.0
2/16/76	138E	2	88	88	0	0	88		75,000	140	72.0	1485	103.88	16.0
2/16/76	138E	3	88	88	0	0	88		75,000	163	72.0	1486	132.0	16.0
				264	0	0	264							
				Total	Total	Total	Total							

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

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam ^x 080 Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						Bent No. 143 EBB						Contr Pile No		
9/9/76	143E	1	90	90	0	2.15	87.85	0	75,000	460	67.8	1436	595.24	20.0
9/9/76	143E	2	90	90	0	0	90	0	75,000	212	70.0	1444	478.93	20.0
9/9/76	143E	3	90	90	0	0	90	0	75,000	190	70.0	1446	459.84	20.0
Total				270	0	2.15	267.85							
						Bent No. 142 EBB								
9/13/76	142E	1	90	90	0	0	90	0	75,000	170	72.0	1440	439.88	18.0
9/13/76	142E	2	90	90	0	0	90	0	75,000	154	72.0	1438	421.59	18.0
9/10/76	142E	3	90	90	0	0	90	0	75,000	149	72.0	1442	415.51	18.0
Total				270	0	0	270							
						Bent No. 141 EBB								
9/13/76	141E	1	90	90	0	0	90	0	75,000	170	72.0	1489	439.88	18.0
9/13/76	141E	2	90	90	0	0	90	0	75,000	140	72.0	1490	403.88	18.0
9/13/76	141E	3	90	90	0	0	90	0	75,000	138	72.0	1491	401.28	18.0
Total				270	0	0	270							
				Total	Total	Total	Total							

Correct L. E. J. [Signature] Project Engineer Approved _____ Division Engineer Const. Engr.

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Pile No.	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	Cut to Ground
									Energy Delivered	No. Blows					
					Bent No. 114-3				75,000			Contr. file #			
-76	114-3	1	90.0	90.0	0	0	90.0	0	"	210	70.0	1141	900.0	80.0	20.0
-76	114-3	2	90.0	90.0	0	0	90.0	0	"	171	70.0	1142	111.0	80.0	20.0
-76	114-3	3	90.0	90.0	0	0	90.0	0	"	140	70.0	1143	122.0	80.0	20.0
-76	114-3	4	90.0	90.0	0	0	90.0	0	"	141	70.0	1140	122.0	80.0	20.0
1				30.0	0	0	30.0	0							
					Bent No. 115-3										
-76	115-3	1	90.0	90.0	0	0 0	90.0	0	"	219	70.0	1149	152.0	20.0	20.0
-76	115-3	2	90.0	90.0	0	0	90.0	0	"	212	70.0	1147	106.0	20.0	20.0
-76	115-3	3	90.0	90.0	0	0	90.0	0	"	215	70.0	1139	105.0	20.0	20.0
-76	115-3	4	90.0	90.0	0	2.5	87.5	0	"	140	47.5	1137	579.15	20.0	20.0
1				30.0	0	2.5	27.5								20.0
															20.0
															20.0
															20.0
															20.0
			Total	Total	Total	Total	Total	Total							

_____ Approved _____
Project Engineer Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 5th Project I-10-1(35)28

Road between East Tunnel Interchange and Spanish Port

Bridge: Station 60 + 98.56 to Station 129 + 22.153 Lane (if applicable): E3B

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

Kind of Hammer: Diesel _____ Air _____ Steam xx
010

Hammer Action: Single

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

Size of Piling: 51" "

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						Bent No. 251-EBB						Contr File No		
8/16/76	251E	1	96	96	0	0	96		80,000	205	78.5	1387	504.73	17.5
8/16/76	251E	2	96	96	0	0	96		80,000	217	78.5	1385	515.16	17.5
Total				192	0	0	192							
						Bent No. 252 EBB								
8/16/76	252E	1	96	96	0	0	96		80,000	219	78.8	1383	517.13	17.2
8/16/76	252E	2	96	96	0	0	96		80,000	231	78.8	1375	526.66	17.2
Total				192	0	0	192							
						Bent No. 253-EBB								
8/19/76	253E	1	96	96	0	0	96		80,000	243	78.0	1377	535.83	18.0
8/19/76	253E	2	96	96	0	0	96		80,000	234	78.0	1381	529.10	18.0
Total				192	0	0	192							
						Bent No. 254 EBB								
8/19/76	254E	1	96	96	0	0	96		80,000	202	78.0	1386	501.88	18.0
8/19/76	254E	2	96	96	0	0	96		80,000	212	79.0	1379	510.86	17.0
Total				192	0	0	192							
			7	Total	Total	Total	Total							

Correct K. E. Jones Approved _____
Project Engineer Division Engineer Const. Engr.

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent	No. 255 EBB					Contr File No			
3/20/76	255E	1	96	96	0	0	96	0	80,000	204	78.0	1384	503.78	18.0
3/20/76	255E	2	96	96	0	0	96	0	80,000	198	78.0	1388	498.13	18.0
Total				192	0	0	192							
					Bent	No. 256 EBB								
3/20/76	256E	1	96	96	0	0	96	0	80,000	218	78.0	1382	516.13	18.0
3/20/76	256E	2	96	96	0	0	96	0	80,000	210	78.0	1376	509.23	18.0
Total				192	0	0	192							
					Bent	No. 257 EBB								
3/20/76	257E	1	96	96	0	0	96	0	80,000	198	78.2	1378	498.13	17.8
3/20/76	257E	2	96	96	0	0	96	0	80,000	201	78.2	1380	500.94	17.8
Total				192	0	0	192							
					Bent	No. 258 EBB								
3/20/76	258E	1	96	96	0	0	96	0	80,000	173	78.2	1395	472.53	17.8
3/20/76	258E	2	96	96	0	0	96	0	80,000	151	78.2	1394	445.93	17.8
Total				192	0	0	192							
			0	Total	Total	Total	Total							

Correct R. E. Jay Project Engineer Approved _____ Division EX-106 Const. Engr.

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

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	Cut to Gro
									Energy Delivered	No. Blows				
					Bent	No. 259 EBB						Contr File No		
8/23/76	259E	1	96	96	0	0	96		80,000	1140	78.4	1104	130.80	17.
8/23/76	259E	2	96	96	0	0	96		80,000	131	78.4	1398	117.54	17.
Total				192	0	0	192							
					Bent	No. 260 EBB								
8/23/76	260E	1	96	96	0	0	96		80,000	161	78.4	1106	158.45	17
8/23/76	260E	2	96	96	0	0	96		80,000	129	78.4	1100	111.51	17.
Total				192	0	0	192							
					Bent	No. 261 EBE								
8/26/76	261E	1	96	96	0	0	96		80,000	129	78.2	1107	111.51	17.
8/26/76	261E	2	96	96	0	0	96		80,000	132	78.2	1102	119.02	17
Total				192	0	0	192							
					Bent	No. 262 EBB								
8/26/76	262E	1	96	96	0	0	96		80,000	131	78.4	1105	117.54	17
8/26/76	262E	2	96	96	0	0	96		80,000	127	78.4	1396	111.52	17
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct E. E. Ayer 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): EBB

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.

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	CutC to Grou
									Energy Delivered	No. Blows				
												Contr File No		
						Bent No. 263 EBB								
8/26/76	263E	1	96	96	0	0	96		80,000	136	78.2	1403	125.06	17.
8/26/76	263E	2	96	96	0	0	96		80,000	128	78.2	1397	113.01	17.
Total				192	0	0	192							
						Bent No. 264 EBB								
8/26/76	264E	1	96	96	0	0	96		80,000	189	78.2	1401	189.60	17.
8/26/76	264	2	96	96	0	0	96		80,000	132	78.2	1399	119.07	17.
Total				192	0	0	192							
						Bent No. 265 EBB								
8/27/76	265E	1	96	96	0	0	96		80,000	132	78.0	1419	119.07	18.
8/27/76	265E	2	96	96	0	0	96		80,000	141	78.0	1421	132.20	18.
Total				192	0	0	192							
						Bent No. 266 EBB								
8/27/76	266E	1	96	96	0	0	96		80,000	192	78.0	1409	192.31	18.
8/27/76	266E	2	96	96	0	0	96		80,000	131	78.0	1417	117.54	18.
Total				192	0	0	192							
			7	Total	Total	Total	Total							

Correct E. E. Jorgensen Project Engineer Approved _____ Division ~~Engineer~~ Const. Engr.

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

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

Project Engineer _____ Approved _____ Division ~~Eng.~~ 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 Weld Division 9 Project 1-10-1(35)00

Road between East Tsiman'i Interchange and Imperial Port

Bridge: Station 60+41.153 to Station 62+22.153 Lane (if applicable): Left

Contractor James E. Scott, Inc. Sub-Contractor _____ Inspector Charles E. Patton

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 1100 mm

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutC to Grou
									Energy Delivered	No. Blows				
						Pile No. 275-1			80,000			Comp Silty S		
9-1-76	275-1	1	96	96	0	0	96	0	"	113	78.0	1163	132.20	1'
9-1-76	275-	2	96	96	0	0	96	0	"	115	78.0		137.50	1'
Total				192	0	0	192							
						Pile No. 276-1								
9-1-76	276-1	1	96	96	0	0	96	0	"	130	78.0	1170	128.00	1'
9-1-76	276-2	2	96	96	0	0	96	0	"	111	78.0	1171	134.40	1'
Total				192	0	0	192							
						Pile No. 277-1								
9-2-76	277-1	1	96	96	0	0	96	0	"	198	78.0	1157	128.10	1'
9-2-76	277-2	2	96	96	0	0	96	0	"	111	78.0	1161	134.40	1'
Total				192	0	0	192							
						Pile No. 278-1								
9-2-76	278-1	1	96	96	0	0	96	0	"	115	78.0	1155	127.00	1'
9-2-76	278-2	2	96	96	0	0	96	0	"	111	78.0	1163	132.20	1'
Total				192	0	0	192							
				Total	Total	Total	Total	Approved						
									Ast. Div. Const. Engr.					

Correct K. E. Boyle 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 Division 6 Project 1-10-1/3-76

 Road between East Tunnel Lane & 4th and Central Ave

 Bridge: Station 60+00.00 to Station 120+92.103 Lane (if applicable): 1

 Contractor James H. Smith, Inc. Sub-Contractor _____ Inspector Charles J. Smith

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

 Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 48" x 48"

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				
												Comp.		
9-5-76	279	1	96	96	0	0	96	0	"	137	75.0	11.2	128.20	1
"	279	2	96	96	0	0	96	0	"	139	75.0	11.2	128.20	1
Total				192	0	0	192							
9-5-76	280	1	96	96	0	0	96	0	"	138	75.0	11.7	129.10	1
"	280	2	96	96	0	0	96	0	"	139	75.0	11.7	129.10	1
Total				192	0	0	192							
9-13-76	281	1	96	96	0	0	96	0	"	116	75.0	11.3	130.30	1
"	281	2	96	96	0	0	96	0	"	139	75.0	11.3	129.10	1
Total				192	0	0	192							
9-5-76	282	1	96	96	0	0	96	0	"	211	75.0	11.75	132.20	1
9-5-76	282	2	96	96	0	0	96	0	"	211	75.0	11.75	132.20	1
Total				192	0	0	192							
				Total	Total	Total	Total							

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

Const. Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Gro
									Energy Delivered	No. Blows				
					Bent	No. 283 EBB						Contr File No		
9/10/76	283E	1	96	96	0	0	96		80,000	148	78.0	1476	441.99	18
9/10/76	283E	2	96	96	0	0	96		80,000	162	78.0	1478	459.77	18
Total				192	0	0	192							
					Bent	No. 284 EBB								
9/10/76	284E	1	96	96	0	0	96		80,000	175	78.0	1473	474.78	18
9/10/76	284E	1	96	96	0	0	96		80,000	166	78.0	1472	464.58	18
Total				192	0	0	192							
					Bent	No. 285 EBB								
9/13/76	285E	1	96	96	0	0	96		80,000	138	77.8	1471	428.04	18
9/13/76	285E	2	96	96	0	0	96		80,000	135	77.8	1474	423.73	18
Total				192	0	0	192							
					Bent	No. 286 EBB								
9/14/76	286E	1	96	96	0	0	96		80,000	141	77.8	1503	432.20	18
9/14/76	286E	2	96	96	0	0	96		80,000	138	77.8	1505	428.04	18
Total				192	0	0	192							
						</								

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

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Gro.
									Energy Delivered	No. Blows				
						Bent No. 287	EBB					Contr		
												File No		
9/14/76	287E	1	96	96	0	0	96		80,000	148	77.8	1499	441.99	18
9/14/76	287E	2	96	96	0	0	96		80,000	159	77.8	1497	456.10	18
Total				192	0	0	192							
						Bent No. 288	EBB							
9/14/76	288E	1	96	96	0	0	96		80,000	153	77.7	1502	448.13	18
9/14/76	288E	2	96	96	0	0	96		80,000	161	77.7	1501	458.45	18
Total				192	0	0	192							
						Bent No. 289	EBB							
9/15/76	289E	1	96	96	0	0	96		80,000	172	77.7	1495	471.42	18
9/15/76	289E	2	96	96	0	0	96		80,000	178	77.7	1504	477.90	18
Total				192	0	0	192							
						Bent No. 290	EBB							
9/15/76	290E	1	96	96	0	0	96		80,000	168	77.7	1500	466.74	18
9/15/76	290E	2	96	96	0	0	96		80,000	174	77.7	1493	473.65	18
Total				192	0	0	192							
				Total	Total	Total	Total							

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

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

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

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

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

Correct K. E. J. [Signature] Approved [Signature]
Project Engineer Division Engineer Const. Eng

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{XX}{040}$

Hammer Action: Single

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

Size of Piling: 54"

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	Cut to Gro-
									Energy Delivered	No. Blows				
					Bent No. 299 EBB							Contr File No		
9/21/76	299E	1	96	96	0	0	96		80,000	292	78.0	1526	567.38	18.
9/13/76	299E	2	96	96	0	0	96		80,000	188	78.0	1528	488.40	18.
Total				192	0	0	192							
					Bent No. 300 EBB									
9/23/76	300E	1	96	96	0	0	96		80,000	190	78.2	1546	490.50	17.
9/23/76	300E	2	96	96	0	0	96		80,000	195	78.2	1544	495.36	17.
Total				192	0	0	192							
					Bent No. 301 EBB									
9/23/76	301E	1	96	96	0	0	96		80,000	226	78.2	1550	522.88	17.
9/23/76	301E	2	96	96	0	0	96		80,000	189	78.2	1552	489.60	17.
Total				192	0	0	192							
					Bent No. 302 EBB									
9/24/76	302E	1	96	96	0	0	96		80,000	200	78.5	1556	500.00	17.
9/24/76	302E	2	96	96	0	0	96		80,000	222	78.5	1554	519.18	16.
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct K-E Jara
Project Engineer

Approved _____
Division ~~Engineer~~ Const Engr.

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28
 Road between East Tunnel Interchange and Spanish Fort

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

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 to Gro.
									Energy Delivered	No. Blows				
XXXXXX	303				Bent	303-E			80,000			Contr. Pile#		
9-23-76	303-E	1	96	96	0	0	96	0	"	312	78.2	1548	578.03	17.
9-24-76		2	96	96	0	0	96		"	191	79.5	1558	491.40	16.
Total				192	0	0	192							
					Bent	304-E								
9-24-76	304-E	1	96	96	2.0	0	98		"	245	81.0	1555	537.27	17.
9-24-76	304-E	2	96	96	1.0	0	97		"	261	81.0	1557	548.32	16.
Total				192	3.0	0	195		"					
					Bent	305-E								
9-24-76	305-E	1	96	96	1.3	0	97.3		"	250	79.8	1553	540.54	17.
9-24-76	305-E	2	96	96	0	0	96.0		"	261	80.0	1547	550.21	16.
Total				192	1.3	0	193.3							
					Bent	306-E								
9-27-76	306	1	96	96	0	0	96		"	196	79.0	1551	496.28	17.
9-27-76		2	96	96	0	0	96		"	191	79.5	1549	491.40	16.
Total				192	0	0	192		80,000					
				Total	Total	Total	Total							

Correct R. E. Jan 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.

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

Division ~~ENGINEER~~
Const. Engineer

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Gro
									Energy Delivered	No. Blows				
					Bent	311-E			80,000			Contrs. Pile #		
9-27-76	311-E	1	96	96	0	0	96		"	193	79.0	1571	493.52	17
9-28-76	311-E	2	96	96	0	0	96		"	210	79.0	1573	509.23	17
Total				192	0	0	192							
					Bent	312-E								
9-28-76	312-E	1	96	96	0	0	96		"	198	78.9	1578	498.13	17
9-28-76	312-E	2	96	96	0	0	96		"	219	79.3	1572	510.18	16
Total				192	0	0	192							
					Bent	313-E								
9-28-76	313-E	1	96	96	0	0	96		"	209	78.0	1576	508.26	18
9-28-76	313-E	2	96	96	0	0	96		"	235	78.0	1574	529.80	18
Total				192	0	0	192							
					Bent	314-E								
9-29-76	314-E	1	96	96	0	0	96		0	229	78.0	1567	521.93	18
9-29-76	314-E	2	96	96	0	0	96		"	211	78.0	1569	510.20	18
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct R E Sam Approved _____ Division Engineer _____

Const. Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 1+29+22.153 Lane (if applicable): EBL

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

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

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 Gro
									Energy Delivered	No. Blows				
				Bent	315-E				80,000			Contrs Pile		
9-29-76	315-E	1	96	96	0	0	96		"	225	78.0	1559	521.85	18
9-29-76	315-E	2	96	96	0	0	96		"	192	78.0	1513	492.31	18
Total				192	0	0	192							
				Bent	316-E									
10-1-76	316-E	1	96	96	0	0	96		"	189	78.0	1563	489.60	18
10-1-76	316-E	2	96	96	0	0	96		"	194	78.0	1561	491.14	18
Total				192	0	0	192							
				Bent	317-E									
10-1-76	317-E	1	96	96	0	0	96		"	301	78.0	1570	572.25	18
10-1-76	317-E	2	96	96	0	0	96		"	192	78.0	1565	492.31	18
Total				192	0	0	192							
				Bent	318-E									
10-1-76	318-E	1	96	96	0	0	96		"	271	78.0	1568	554.79	18
10-1-76	318-E	2	96	96	0	0	96		"	190	78.0	1515	490.50	18
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct R E Jay 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 9 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): EEL

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grade
									Energy Delivered	No. Blows				
				Bent	319-E				80,000			Contrs Pile #		
10-4-76	319-E	1	96	96	0	0	96		"	241	78.0	1566	531.10	18
10-4-76	319-E	2	96	96	0	0	96		"	260	78.0	1560	517.57	18
Total				192	0	0	192							
				Bent	320-E									
10-4-76	320-E	1	96	96	0	0	96		"	200	78.0	1561	500.00	18
10-4-76	320-E	2	96	96	0	0	96		"	193	78.0	1562	493.52	18
Total				192	0	0	192							
				Bent	321-E									
10-4-76	321-E	1	96	96	0	0	96		"	191	78.0	1594	491.10	18
10-4-76	321-E	2	96	96	0	0	96		"	235	78.0	1592	529.80	18
Total				192	0	0	192							
				Bent	322-E									
10-5-76	322-E	1	96	96	0	0	96		"	210	78.0	1597	509.23	18
10-5-76	322-E	2	96	96	0	0	96		"	216	78.0	1591	511.17	18
Total				192	0	0	192							
				Total	Total	Total	Total							

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

Const. Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Ground
									Energy Delivered	No. Blows				
				Bent	323-E				80,000			Contrs Pile #		
10-5-76	323-E	1	96	96	0	0	96		"	197	78.0	1595	197.20	18.
10-5-76	323-E	2	96	96	0	0	96		"	202	78.0	1593	501.99	18.
Total				192	0	0	192							
				Bent	324-E									
10-5-76	324-E	1	96	96	0	0	96		"	230	78.0	1509	525.98	18.
10-5-76	324-E	2	96	96	0	0	96		"	197	78.0	1587	197.20	18.
Total				192	0	0	192							
				Bent	325-E									
10-5-76	325-E	1	96	96	0	0	96		"	218	78.0	1585	516.13	18.
10-5-76	325-E	2	96	96	0	0	96		"	211	78.0	1586	510.20	18.
Total				192	0	0	192							
				Bent	326-E									
10-7-76	326-E	1	96	96	0	0	96		"	198	80.0	1590	198.13	16.
10-7-76	326-E	2	96	96	0	0	96		"	200	80.0	1588	500.00	16.
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct L. E. Jann Approved _____

Project Engineer

Division Engineer

Const. Engineer

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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. 50,000 Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Grou
									Energy Delivered	No. Blows				
					Bent 327-E				80,000			Contrs Pile#		
10-7-76	327-E	1	96	96	0	0	96		"	202	80.0	1610	501.88	16.
10-7-76	327-E	2	96	96	0	0	96		"	211	80.0	1609	510.20	16.
Total				192	0	0	192							
					Bent 328-E									
10-7-76	328-E	1	96	96	0	0	96		"	250	80.0	1605	510.51	16.
10-7-76	328-E	2	96	96	0	0	96		"	215	80.0	1608	513.18	16.
Total				192	0	0	192							
					Bent 329-E									
10-7-76	329-E	1	96	96	0	0	96		"	191	80.0	1598	491.40	16.
10-7-76	329-E	2	96	96	0	0	96		"	201	80.0	1607	500.91	16.
Total				192	0	0	192							
					Bent 330-E									
10-8-76	330-E	1	96	96	0	0	96		"	217	80.0	1508	515.16	16.
10-8-76	330-E	2	96	96	0	0	96		"	237	80.0	1592	513.21	16.
Total				192	0	0	192							
				Total	Total	Total	Total		80,000					

Correct R E J 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.

Energy delivered=Effective WH or E, depending on type of hammer. \$0.000 Size of Piling: 51" Conc.

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



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

April 6, 1977

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

MISSING BRS. 176 -
BT 179. EASTBOUND

Project No. I-10-1(35)28
e & Baldwin Counties

Dear Sir:

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

Bents 176 through 182 - Eastbound Bridge 1400.0
Bents 178 through 193 - Westbound Bridge 3368.0
Bents 300 through 348 - Westbound Bridge 10855.25

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:

A handwritten signature in dark ink, appearing to read "T. G. Drinkard", is written over a horizontal line.

T. G. Drinkard
Division Construction Engineer

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



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

D
Collins
Heritage

April 1, 1977

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

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 176 EBB	thru	182 EBB
Bent 178 WBB	thru	193 WBB
Bent 300 WBB	thru	348 WBB

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

Should additional information be desired, please advise.

Yours truly,

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

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28
Road between East Tunnel Interchange and Spanish Fort
Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): EBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.
Type of Hammer: Diesel _____ Air _____ Steam X
Energy delivered=Effective WH or E, depending on type of hammer. 040
Hammer Action: Single
Size of Piling: 54" Conc.

[illegible]

Project Engineer 12-1-174-183-E-1108 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 1, 1977

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

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

Dear Sir:

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

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

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:


T. G. Drinkard
Division Construction Engineer

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



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

January 26, 1977

D. Collins

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

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

Dear Sir:

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

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

This is only a partial ^{mission} submission of 54" Round piling.

Should additional information be desired, please advise.

Yours truly,

R. E. Jaye

R. E. Jaye
Resident Engineer

cc: Mr. D. C. Collins
File

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

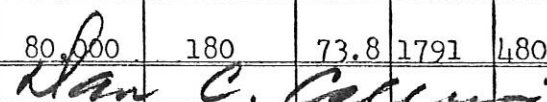
Road between East Tunnel Interchange and Spanish Fort

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

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

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

Energy delivered=Effective WH or E, depending on type of hammer. ⁰⁴⁰ 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. 172	EBB						Comp. Pile No.		
1/12/77	172E	1	100	100	0	0	100	0	80,000	130	75.0	1765	416.02	25.0
1/12/77	172E	2	100	100	0	0	100	0	80,000	233	75.0	1781	528.05	25.0
1/12/77	172E	3	100	100	0	0	100	0	80,000	220	75.0	1764	517.80	25.0
				300	0	0	300							
					Bent No. 173	EBB								
1/13/77	173E	1	100	100	0	0	100	0	80,000	200	75.0	1783	500.00	25.0
1/13/77	173E	2	100	100	0	0	100	0	80,000	143	75.0	1782	435.02	25.0
1/13/77	173E	3	100	100	0	0	100	0	80,000	191	75.0	1784	494.40	25.0
				300	0	0	300							
					Bent No. 174	EBB								
1/17/77	174E	1	100	100	0	0	100	0	80,000	163	73.8	1780	460.83	26.5
1/17/77	174E	2	100	100	0	0	100	0	80,000	176	73.8	1788	475.91	26.5
				200	0	0	200							
					Bent No. 175	EBB								
1/18/77	175E	1	100	100	0	0	100	0	80,000	185	73.8	1790	485.44	26.5
1/18/77	175E	2	100	100	0	0	100	0	80,000	180	73.8	1791	480.19	26.5
				Total 200	Total 0	Total 0	Total 200		 Asst. Div. Const. Engr. (Bridges)					

Correct *P. E. [Signature]* 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.



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

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

I-10-49-027.7A&B

I-10-02-005.8C

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 East-bound 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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF STEEL PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

Contractor Brown & Root, Inc. Sub-Contractor Interstate Piledrivers Inspector James A. Martin

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

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

Energy delivered = Effective WH or E, depending on type of hammer. Size of Piling 10 HP @ 424

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 of Soil	Computed Bearing	Cut to Ground	
										Energy Delivered	Penetr. 10 Blows					
	BENT NO. 565 EAST BOUND BRIDGE ABUTMENT													HEAT NO.		
3/5/75				50'									K95518			
3/3/75	565	1	96.997	50'	1	0.00'	3.00'	97'0"	1	15,000	2"	95.50	J93422	50.00	1	
				50'									K95518			
3/3/75	565	2	96.997	50'	1	0.00'	3.00'	97'0"	1	15,000	1 3/4"	95.50	J93390	54.55	1	
				50'									J93420			
3/3/75	565	3	96.997	60'	1	0.00'	13.00'	97'0"	1	15,000	1 3/4"	95.50	K95201	54.55	1	
				48.25'									K95519			
3/3/75	565	4	96.997	60'	1	0.00	11.25'	97'0"	1	15,000	2 1/2"	95.50	K95201	46.15	1	
				49'									K95526			
3/6/75	565	5	96.997	54'	1	0.00'	6.0'	97.0'	1	15,000	2 1/2"	95.50	K95527	42.86	1	
				49'									K95526			
3/3/75	565	6	96.247	49'	1	0.00'	1.75'	96.25'	1	15,000	3"	94.25	K95527	37.50	1	
				50'									J93420			
2/24/75	565	7	96.247	50'	1	0.00'	3.75'	96.25'	1	15,000	3"	94.75	J93420	37.50	1	
				50'									K95518			
2/24/75	565	8	96.247	50'	1	0.00'	3.75'	96.25'	1	15,000	3"	94.75	K95518	37.50	1	
				50'									K95518			
2/24/75	565	9	96.247	50'	1	0.00'	3.75'	96.25'	1	15,000	3"	94.75	J93420	37.50	1	
				49'									K95526			
3/6/75	565	10	96.247	48'	1	0.00'	0.75'	96.25'	1	15,000	2 1/2"	94.75	J93416	46.15	1	
				50'									J93420			
3/3/75	565	11	97.247	49'	1	0.00'	1.75'	97.25'	1	15,000	1 1/2"	95.75	K95527	60.00	1	
3/6/75				49'									K95526			
3/5/75	565	12	97.247	49'	1	0.00'	0.75'	97.25'	1	15,000	2"	95.75	K95526	50.00	1	
				49'									K95527			
3/5/75	565	13	97.247	50'	1	0.00'	1.75'	97.25'	1	15,000	1 1/2"	95.75	K95507	60.00	1	
				49'									K95527			
3/6/75	565	14	97.247	51'	1	0.00'	2.75'	97.25'	1	15,000	2"	95.75	K95513	50.00	1	
				49'									K95527			
3/5/75	565	15	97.247	49'	1	0.00'	0.75'	97.25'	1	15,000	2 1/2"	95.75	K95527	42.86	1	
				50'									J93091			
3/6/75	565	16	97.247	50'	1	0.00'	2.75'	97.25'	1	15,000	2 1/2"	95.75	J93390	42.86	1	
				1610.25'		0.00'	Total 60.50'	Total 1549.75'								

Correct R. E. Payne
Project Engineer

Approved J. A. [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.



RAY D. BASS
HIGHWAY DIRECTOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

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

April 6, 1977

I-10-49-027.7 A

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

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

Dear Sir:

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

Bents 176 through 182 - Eastbound Bridge 1400.0
Bents 178 through 193 - Westbound Bridge 3368.0
Bents 300 through 348 - Westbound Bridge 10855.25

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

By:


T. G. Drinkard
Division Construction Engineer

JSH/lbh

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

File /

Attach.



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

D
Collins
Heritage

April 1, 1977

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

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 176 EBB	thru	182 EBB
Bent 178 WBB	thru	193 WBB
Bent 300 WBB	thru	348 WBB

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

Should additional information be desired, please advise.

Yours truly,

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

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

ad between East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam X
040

Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
												Contr. Pile No.		
						BENT NO. 178	WBB							
'24/77	178W	1	100	100	0	0	100	0	80,000	200	75.0	1787	500.00	25.0
'24/77	178W	2	100	100	0	0	100	0	"	204	75.0	1789	503.78	25.0
'24/77	178W	3	100	100	0	0	100	0	"	180	75.0	1786	480.19	25.0
total				300	0	0	300							
						BENT NO. 179	WBB							
'25/77	179W	1	100	100	0	0	100	0	"	222	75.0	1785	519.48	25.0
'25/77	179W	2	100	100	0	0	100	0	"	204	75.0	1792	503.78	25.0
'25/77	179W	3	100	100	0	0	100	0	"	168	75.0	1794	466.74	25.0
total				300	0	0	300							
						BENT NO. 180	WBB							
'25/77	180W	1	100	100	0	0	100	0	"	142	75.0	1795	433.60	25.0
'25/77	180W	2	100	100	0	0	100	0	"	170	75.0	1797	469.21	25.0
total				200	0	0	200							
				Total	Total	Total	Total							

Project K. E. J. J. J. Approved _____
Project Engineer Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

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

road between East Tunnel Interchange and Spanish 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.

nd of Hammer: Diesel _____ Air _____ Steam $\frac{XX}{040}$ Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
						BENT NO. 181		WBB				Contr. Pile No.		
1/26/77	181W	1	100	100	0	0	100	0	80,000	240	75.0	1763	533.33	25.0
1/26/77	181 W	2	100	100	0	0	100	0	"	165	75.0	1793	463.23	25.0
total				200	0	0	200							
						BENT NO. 182		WBB						
1/2/77	182W	1	100	100	0	0	100	0	"	191	75.0	1810	491.40	25.0
1/2/77	182W	2	100	100	0	0	100	0	"	183	75.0	1816	483.38	25.0
total				200	0	0	200							
						BENT No. 183		WBB						
1/2/77	183W	1	100	100	0	0	100	0	"	174	75.0	1807	473.65	25.0
1/2/77	183W	1	100	100	0	0	100	0	"	202	75.0	1806	501.88	25.0
total				200	0	0	200							
						BENT NO. 184		WBB						
1/3/77	184W	1	100	100	0	0	100	0	"	189	76.0	1814	489.60	24.0
1/2/77	184W	2	100	100	0	0	100	0	"	218	76.0	1815	516.13	24.0
total				200	0	0	200							
				Total	Total	Total	Total							

rect K. E. Jara Project Engineer Approved _____ Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9 Project I-10-1(35)28
Road between East Tunnel Interchange and Spanish Fort
Bridge: Station 60 + 99.56 to Station 429 + 22.453 Lane (if applicable): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.
Type of Hammer: Diesel _____ Air _____ Steam XX
040 Hammer Action: Single
Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" 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. 185		WBB				Contr. Pile No.		
3/77	185W	1	100	100	0	0	100	0	80,000	161	77.0	1817	458.45	23.0
3/77	185W	2	100	100	0	0	100	0	"	154	77.0	1818	449.69	23.0
total				200	0	0	200							
						BENT NO. 186		WBB						
4/77	186W	1	100	100	0	0	100	0	"	130	77.0	1830	416.02	23.0
4/77	186W	2	100	100	0	0	100	0	"	190	77.0	1828	490.50	23.0
total				200	0	0	200							
						BENT NO. 187		WBB						
4/77	187W	1	100	100	0	0	100	0	"	210	77.0	1829	509.23	23.0
4/77	187W	2	100	100	0	0	100	0	"	198	77.0	1827	493.52	23.0
total				200	0	0	200							
						BENT NO. 188		WBB						
4/77	188W	1	100	100	0	0	100	0	"	176	77.0	1832	475.91	23.0
7/77	188W	2	100	100	0	0	100	0	"	190	77.0	1826	490.50	23.0
total				200	0	0	200							
				Total	Total	Total	Total							

Project P. E. Jones Approved _____ Division Engineer _____
Project 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

ad 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.

nd of Hammer: Diesel _____ Air _____ Steam $\frac{X}{040}$

Hammer Action: Single

ergy 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. 189	WBB					Contr. Pile No.		
7/77	189W	1	100	100	0	0	100	0	80,000	208	77.0	1831	507.61	23.0
7/77	189W	2	100	100	0	0	100	0	"	198	77.0	1825	498.13	23.0
total				200	0	0	200							
						BENT NO. 190	WBB							
7/77	190W	1	96	96	0	0	96	0	"	159	74.0	1820	456.10	22.0
7/77	190W	2	96	96	0	0	96	0	"	201	74.0	1821	500.94	22.0
total				192	0	0	192							
						BENT NO. 191	WBB							
7/77	191W	1	96	96	0	0	96	0	"	173	74.0	1823	472.53	22.0
7/77	191W	2	96	96	0	0	96	0	"	211	74.0	1822	510.20	22.0
total				192	0	0	192							
				Total	Total	Total	Total							

rect P. E. J. [Signature]
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.

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. 192 WBB						Contr. Pile No.		
3/77	192W	1	96	96	0	0	96	0	80,000	175	74.0	1843	474.78	22.0
3/77	192W	2	96	96	0	0	96	0	"	190	74.0	1824	490.50	22.0
				192	0	0	192							
						BENT NO. 193 WBB								
3/77	193W	1	96	96	0	0	96	0	"	165	74.0	1845	463.23	22.0
3/77	193W	2	96	96	0	0	96	0	"	157	74.0	1819	453.51	22.0
				192	0	0	192							
				Total	Total	Total	Total							

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
Type of Hammer: Diesel _____ Air _____ Steam XX
040
Hammer Action: Single
Energy delivered=Effective WH or E, depending on type of hammer.
Size of Piling: 54" Conc.

[illegible]

rect L. E. Page 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 9 Project I-10-1(35)28
Road between East Tunnel Interchange and Spanish Fort
Bridge: Station 60 +99.56 to Station 429+22.453 Lane (if applicable): WBB
Contractor Brown & Root, Inc. Sub-Contractor _____ Inspector Alvin Grace, Jr.
Type of Hammer: Diesel _____ Air _____ Steam XX 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. 304		WBB			Contr. Pile No.		
11-77	304 W	1	96.0	96.0	2.5'	0	98.5	0	80,000	169	84.5	1838	467.84	14.0
11-77	304 W	2	96.0	96.0	3.5	0	99.5	0	"	144	85.5	1833	436.44	14.0
Total				192.0	6.0	0	198							
							BENT NO. 305		WBB					
11-77	305 W	1	96.0	96.0	0	0	96.0	0	"	221	82.0	1843	518.81	14.0
11-77	305 W	2	96.0	96.0	0	0	96.0	0	"	210	82.0	1835	509.23	14.0
Total				192	0	0	192							
							BENT NO. 306		WBB					
14-77	306 W	1	96.0	96.0	0	0	96.0	0	"	221	82.0	1848	518.81	14.0
14-77	306 W	2	96.0	96.0	0	0	96.0	0	"	205	82.0	1854	504.73	14.0
Total				192	0	0	192							
							BENT NO. 307		WBB					
14-77	307 W	1	96.0	96.0	0	0	96.0	0	"	201	82.0	1859	500.94	14.0
14-77	307 W	2	96.0	96.0	0	0	96.0	0	"	208	82.0	1860		
Total				192	0	0	192							
				Total	Total	Total	Total							

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Location 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 Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut Off to Ground
									Energy Delivered	No. Blows				
17-77	308W	1	96	96	0	0	96	0	80,000	211	82.0	1857	510.20	14.0
17-77	308W	2	96	96	0	0	96	0	"	202	82.0	1851	501.88	14.0
Total				192	0	0	192							
17-77	309W	1	96	96	0	0	96	0	"	192	82.0	1852	492.31	14.0
17-77	309W	2	96	96	0	0	96	0	"	241	82.0	1847	534.40	14.0
tal				192	0	0	192							
17-77	310W	1	96	96	0	0	96	0	"	222	82.0	1850	519.48	14.0
17-77	310W	2	96	96	0	0	96	0	"	214	82.0	1856	512.82	14.0
tal				192	0	0	192							
17-77	311W	1	96	96	0	0	96	0	"	208	82.0	1849	507.61	14.0
17-77	311 W	2	96	96	0	0	96	0	"	201	82.0	1850	500.94	14.0
tal				192	0	0	192							
				Total	Total	Total	Total							

Project R. E. Lane 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 9 Project I-10-1(35)28

 Road between East Tunnel Interchange and Spanish Fort

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

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

 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 312 WBB					Contr. Pile No.		
-18-77	312W	1	96	96	0	0	96	0	80,000	199	82.0	1865	499.06	14.0
-18-77	312W	2	96	96	0	0	96	0	"	200	82.0	1855	500.00	14.0
				192	0	0	192							
							BENT NO. 313 WBB							
-18-77	313W	1	96	96	0	0	96	0	"	200	82.0	1853	500.00	14.0
-18-77	313W	2	96	96	0	0	96	0	"	215	82.0	1866	513.48	14.0
				192	0	0	192							
							BENT NO. 314 WBB							
-18-77	314W	1	96	96	0	0	96	0	"	214	82.0	1862	512.82	14.0
-18-77	314W	2	96	96	0	0	96	0	"	234	82.0	1861	529.10	14.0
				192	0	0	192							
							BENT NO. 315 WBB							
-21-77	315W	1	96	96	0	0	96	0	"	198	81.0	1864	498.13	15.0
-21-77	314W	2	96	96	0	0	96	0	"	212	81.0	1863	510.86	15.0
				192	0	0	192							
				Total	Total	Total	Total							

 Direct R. E. Jay Approved _____

Project Engineer

Division Engineer

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Location between East Tunnel Interchange and Spanish Fort

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

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

Type 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. 316	WBB				Contr. Pile No.		
21-77	316W	1	96	96	0	0	96.0	0	80,000	195	81.0	1874	495.36	15.0
21-77	316W	2	96	96	0	0	96.0	0	"	190	81.0	1873	490.50	15.0
				192	0	0	192							
							BENT NO. 317	WBB						
21-77	317W	1	96	96	0	0	96.0	0	"	360	81.0	1868	600.16	15.0
21-77	317W	2	96	96	0	0	96.0	0	"	520	81.0	1872	650.41	15.0
				192	0	0	192							
							BENT NO. 318	WBB						
21-77	318W	1	96	96	0	0	96.0	0	"	188	81.0	1869	488.40	15.0
21-77	318W	2	96	96	0	0	96.0	0	"	191	81.0	1867	491.40	15.0
				192	0	0	192							
							BENT NO. 319	WBB						
23-77	319W	1	96	96	0	0	96.0	0	"	201	81.0	1871	500.94	15.0
23-77	319W	2	96	96	0	0	96.0	0	"	198	81.0	1870	498.13	15.0
				192	0	0	192							
				Total	Total	Total	Total							

Project R. E. Jay Approved _____

Project Engineer Division Engineer

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

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

Location 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.

Type 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. 324 WBB				Contr. File No.			
24-77	324W	1	96	96	0	0	96	0	80,000	215	81.0	1876	513.48	15.0
24-77	324W	2	96	96	0	0	96	0	"	227	81.0	1882	523.56	15.0
Total				192	0	0	192							
							BENT NO. 325 WBB							
24-77	325W	1	96	96	0	0	96	0	"	203	81.0	1888	502.83	15.0
24-77	325W	2	96	96	0	0	96	0	"	198	81.0	1884	498.13	15.0
Total				192	0	0	192							
							BENT NO. 326 WBB							
25-77	326W	1	96	96	0	0	96	0	"	215	81.0	1890	513.48	15.0
25-77	326W	2	96	96	0	0	96	0	"	235	81.0	1889	529.80	15.0
Total				192	0	0	192							
							BENT NO. 327 WBB							
25-77	327W	1	96	96	0	0	96	0	"	203	81.0	1878	502.83	15.0
25-77	327W	2	96	96	0	0	96	0	"	191	81.0	1880	491.40	15.0
Total				192	0	0	192							
				Total	Total	Total	Total							

Project Engineer R. E. Lane 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 9 Project I-10-1(35)28
and 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.
Type of Hammer: Diesel _____ Air _____ Steam X
040
Energy delivered=Effective WH or E, depending on type of hammer.
Hammer Action: Single
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. 328		WBB			Contr. Pile No.		
-3-77	328W	1	96	96	0	0	96	0	80,000	215	81.0	1894	513.45	15.0
-3-77	328W	2	96	96	0	0	96	0	"	198	81.0	1892	498.13	15.0
				192	0	0	192							
							BENT NO. 329		WBB					
-3-77	329W	1	96	96	0	0	96	0	"	217	81.0	1896	515.17	15.0
-3-77	329W	2	96	96	0	0	96	0	"	231	81.0	1893	526.52	15.0
				192	0	0	192							
							BENT NO. 330		WBB					
-3-77	330W	1	96	96	0	0	96	0	"	250	81.0	1897	540.54	15.0
-3-77	330W	2	96	96	0	0	96	0	"	235	81.0	1901	529.59	15.0
				192	0	0	192							
							BENT NO. 331		WBB					
-4-77	331W	1	96	96	0	0	96	0	"	218	81.0	1891	516.00	15.0
-3-77	331W	2	96	96	0	0	96	0	"	249	81.0	1899	539.85	15.0
				192	0	0	192							
				Total	Total	Total	Total							

Project L. E. Jays Approved _____
Project Engineer Division Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Location East Tunnel Interchange and Spanish Fort

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

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

Type of Hammer: Diesel _____ Air _____ Steam XX 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 NO. 332 W					Contr. Pile No.			
4/77	332W	1	96	96	0	0	96	0	80,000	241	81.0	1898	534.40	15.0
4/77	332W	2	96	96	0	0	96	0	"	222	81.0	1900	519.48	15.0
Total				192	0	0	192							
						BENT NO. 333W								
4/77	333W	1	96	96	0	0	96	0	"	216	81.0	1895	514.47	15.0
4/77	333W	2	96	96	0	0	96	0	"	214	81.0	1902	512.82	15.0
Total				192	0	0	192							
						BENT NO. 334 W								
10/77	334W	1	96	96	0	0	96	0	"	215	81.0	1920	513.48	15.0
8/77	334W	2	96	96	0	0	96	0	"	220	81.0	1916	517.80	15.0
10/77	334W	3	96	96	0	0	96	0	"	231	81.0	1930	526.66	15.0
Total				288	0	0	288							

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Location between East Tunnel Interchange and Spanish Fort

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

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

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

Energy delivered=Effective WH or E, depending on type of hammer. Size of Piling: 54" 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. 335 W					Contr. Pile No.			
10/77	335W	1	96	96	0	0	96	0	80,000	229	80.0	1926	524.93	16.0
8/77	335W	2	96	96	0	0	96	0	"	224	80.7	1946	521.17	15.3
10/77	335W	3	96	96	0	0	96	0	"	246	80.0	1924	538.00	16.0
total				288	0	0	288							
						BENT NO. 336 W								
15/77	336W	1	96	96	0	0	96	0	"	229	76.0	1917	524.93	20.0
15/77	336W	2	96	96	0	0	96	0	"	219	76.0	1929	517.13	20.0
15/77	336W	3	96	96	0	0	96	0	"	224	76.0	1904	521.17	20.0
total				288	0	0	288							
						BENT NO. 337 W								
15/77	337W	1	96	96	0	0	96	0	"	221	76.0	1906	518.81	20.0
15/77	337W	2	96	96	0	0	96	0	"	214	76.0	1927	512.82	20.0
15/77	337W	3	96	96	0	0	96	0	"	231	76.0	1907	526.66	20.0
total				288	0	0	288							
				Total	Total	Total	Total							

Project R. E. [Signature] Approved _____
Project Engineer Division Engineer

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

STATE OF ALA. MA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

nty Mobile & Baldwin Division 9 Project I-10-1(35)28
d between East Tunnel Interchange and Spanish Fort
Bridge: Station 60+99.56 to Station 429+22.453 Lane (if applicable): WBB
tractor Brown & Root, Inc. Sub-Contractor _____ Inspector Shelton & Grace
d of Hammer: Diesel _____ Air _____ Steam XX Hammer Action: Single
040
rgy 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. 338 WBB					Contr. Pile No.		
16/77	338W	1	96	96	0	0	96	0	80,000	380	76.0	1921	608.37	20.0
16/77	338W	2	96	96	0	0	96	0	"	298	76.0	1913	570.61	20.0
16/77	338W	3	96	96	0	0	96	0	"	246	76.0	1918	538.00	20.0
total				288	0	0	288							
						BENT	NO. 339WBB							
16/77	339W	1	96	96	0	0	96	0	"	248	76.0	1911	539.45	20.0
16/77	339W	2	96	96	0	0	96	0	"	235	76.0	1915	529.80	20.0
16/77	339W	3	96	96	0	0	96	0	"	261	76.0	1919	548.32	20.0
total				288	0	0	288	0						
						BENT	NO. 340 WBB							
17/77	340W	1	96	96	0	0	96	0	"	240	74.0	1933	533.33	22.0
16/77	340W	2	96	96	0	0	96	0	"	258	74.0	1934	546.08	22.0
17/77	340W	3	96	96	0	0	96	0	"	258	74.0	1932	546.08	22.0
total				288	0	0	288							
				Total	Total	Total	Total							

rect R. E. Jones 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

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

and 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

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

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. 341 WBB						Contr. Pile No.		
17/77	341W	1	96	96	0	0	96	0	80,000	231	74.0	1912	526.66	22.0
17/77	341W	2	96	96	0	0	96	0	"	246	74.0	1931	538.00	22.0
17/77	341W	3	96	96	0	0	96	0	"	219	74.0	1905	517.13	22.0
total				288	0	0	288							
						BENT NO. 342 WBB								
18/77	342W	1	96	96	0	0	96	0	"	218	73.5	1910	516.13	22.5
18/77	342W	2	96	96	0	0	96	0	"	237	73.5	1936	531.21	22.5
18/77	342W	3	96	96	0	0	96	0	"	232	73.5	1942	527.36	22.5
total				288	0	0	288							
						BENT NO. 343 WBB								
18/77	343W	1	96	96	0	0	96	0	"	289	73.5	1938	565.37	22.5
18/77	343W	2	96	96	0	0	96	0	"	345	73.5	1937	593.91	22.5
18/77	343W	3	96	96	0	0	96	0	"	247	73.5	1940	538.72	22.5
total				288	0	0	288							
				Total	Total	Total	Total							

Project K. E. J. J. Approved _____
Project Engineer Division Engineer

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

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. 344	WBB					Contr. Pile No.		
2/24/77	344W	1	96	96	0	0	96	0	80,000	223	74.0	1944	520.16	22.0
2/23/77	344W	2	96	96	0	0	96	0	"	241	74.0	1949	534.40	22.0
2/24/77	344W	3	96	96	0	0	96	0	"	231	74.0	1946	526.66	22.0
Total				288	0	0	288							
						BENT NO. 345	WBB							
2/24/77	345W	1	96	96	0	0	96	0	"	301	76.0	1945	572.25	20.0
2/24/77	345W	2	96	96	0	0	96	0	"	215	76.0	1941	513.48	20.0
2/24/77	345W	3	96	96	0	0	96	0	"	237	76.0	1935	531.21	20.0
Total				288	0	0	288							
						BENT NO. 346	WBB							
2/24/77	346W	1	96	96	0	0	96	0	"	237	76.0	1949	531.21	20.0
2/24/77	346W	2	96	96	0	0	96	0	"	224	76.0	1957	521.17	20.0
2/24/77	346W	3	96	96	0	0	96	0	"	241	76.0	1947	534.40	20.0
Total				288	0	0	288							
				Total	Total	Total	Total							

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

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

ad 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
040

Hammer Action: Single

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

[illegible]

Direct K. E. J. Project Engineer Approved J. M. K. Division Engineer

Bent 300-348 W 10855.25

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.



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

May 31, 1973

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

I-10-49-027-7 A

Re: Project I-10-1(34)27
Mobile County

Dear Sir:

Attached please find the original and three (3) copies
of 30" Square Concrete Piling for the West Bound Lane.

This completes the 30" Piling in the West Bound Lane
of the East Tunnel Interchange.

Yours very truly,

M. H. Wilkins
M. H. Wilkins
Division Engineer

DCC/caf
Attach.

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

Show changes in plan on back of this sheet

County **Mobile** Division **Fifth** Project **BNF 1-10-1(34)27**

Road between **East Tunnel Interchange** and **West Bound Lane**

Bridge: Station **107+22.42** to Station **136+00**

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Const. Co. Inspector Rauch

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of ~~(drop)~~ ~~(steel)~~ hammer 16250 Type 016 Vulcan Size of Piling 30" sq.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
					Bent W-3		West Round Lane								
5-16-72	W-3	1	0	0	77	77	77	0	0	3.0	1/4	65.33		390.00	11.4
5-16-72	W-3	2	0	0	77	77	77	0	0	3.0	1/4	65.73		390.00	11.2
5-17-72	W-3	3	0	0	77	77	77	0	0	3.0	7/32	66.14		400.16	10.8
5-17-72	W-3	4	0	0	77	77	77	0	0	3.0	7/32	66.54		400.16	10.6
5-18-72	W-3	5	0	0	77	77	77	0	0	3.0	1/4	66.95		390.00	10.0
			0	0	385	385	385	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division SEA 5th Project I-10-1(34)27

Road between East Tunnel Interchange and West Round Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Const. Co. Inspector Rauch

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) ^{Air} (steam) hammer 15,250 Type Valen 016 Size of Piling 30" Sq Cons.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
						Bent 1-8									
12-26-72	W-8	1	0	0	75	75	75	0	0	3.0	5/8	47.10		300.00	27.6
12-26-72	W-8	2	0	0	75	75	75	0	0	3.0	9/16	47.46		312.00	27.51
12-26-72	W-8	3 3	0	0	75	75	75	0	0	3.0	11/16	47.73		288.89	27.2
12-26-72	W-8	4	0	0	75	75	75	0	0	3.0	9/16	48.07		312.10	26.93
12-26-72	W-8	5	0	0	75	75	75	0	0	3.0	9/16	48.37		312.10	26.63
12-26-72	W-8	6	0	0	75	75	75	0	0	3.0	11/16	48.68		288.89	26.32
12-26-72	W-8	7	0	0	75	75	75	0	0	3.0	11/16	48.98		288.89	26.02
			0	0	525	525	525	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division 5th Project I-10-1 (34) 27

Road between East Tunnel Interchange and West Round Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Const. Co. Inspector Rauch

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of ~~(drop)~~ ^{Air} ~~(steam)~~ hammer 16,250 Type Vulcan 016 Size of Piling 30" sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
6-14-72	W-9	1	0	0	77	77	77	0	0	3.0	5/8	47.42		300.00	29.5'
6-14-72	W-9	2	0	0	77	77	77	0	0	3.0	5/8	47.74		300.00	29.2'
6-14-72	W-9	3	0	0	77	77	77	0	0	3.0	11/16	48.07		288.89	28.9'
6-14-72	W-9	4	0	0	77	77	77	0	0	3.0	5/8	48.39		300.00	28.6'
12-21-72	W-9	5	0	0	77	77	77	0	0	3.0	11/16	48.72		288.89	28.2'
12-21-72	W-9	6	0	0	77	77	77	0	0	3.0	5/8	49.04		300.00	27.9'
12-21-72	W-9	7	0	0	77	77	77	0	0	3.0	5/8	49.37		300.00	27.6'
			0	0	539	539	539	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF STEEL PILING

Concrete

County Mobile Division Fifth Project I-10-1(34)27

Road between East Tunnel Interchange and Ramp 42

Bridge: Station 107+22.42 to Station 136+00

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Constr. Co. Inspector Gray & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of ~~(drop)~~ ^(steel) Hammer Air 16,250# Type Fulcan OI 6 Size of Piling 30" Sq. Conc.

[illegible]

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division Fifth Project IMP I-10-1(34)27

Road between East Tunnel Interchange and West Round Lane

Bridge: Station 107+22.40 to Station 136+00

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Constr. Co. Inspector Cauthen & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of ~~(4500)~~ ^{Alt} (Steel) hammer 16,250 # Type Vulcan 016 Size of Piling 30" eq. conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
9-11-72	W-11	1	0	0	78	78	78	0	0	3.0	9/16	47.50		312.00	30.50
9-11-72	W-11	2	0	0	78	78	78	0	0	3.0	11/16	47.86		288.80	30.11
9-11-72	W-11	3	0	0	78	78	78	0	0	3.0	11/16	48.23		288.80	29.71
9-11-72	W-11	4	0	0	78	78	78	0	0	3.0	9/16	48.59		312.00	29.41
9-11-72	W-11	5	0	0	78	78	78	0	0	3.0	11/16	48.96		288.80	29.01
			0	0	390	390	390	0	0						
9-8-72	W-12	1	0	0	78	78	78	0	0	3.0	11/16	46.96		288.80	31.01
9-8-72	W-12	2	0	0	78	78	78	0	0	3.0	9/16	47.33		312.00	30.61
9-8-72	W-12	3	0	0	78	78	78	0	0	3.0	1/2	47.69		325.00	30.31
9-8-72	W-12	4	0	0	78	78	78	0	0	3.0	11/16	48.06		288.80	29.91
9-8-72	W-12	5	0	0	78	78	78	0	0	3.0	11/16	48.42		288.80	29.51
			0	0	390	390	390	0	0						
9-7-72	W-13	1	0	0	78	78	78	0	0	3.0	11/16	45.65		288.80	31.31
9-7-72	W-13	2	0	0	78	78	78	0	0	3.0	9/16	46.01		312.00	30.91
9-7-72	W-13	3	0	0	78	78	78	0	0	3.0	9/16	46.38		312.00	30.61
9-7-72	W-13	4	0	0	78	78	78	0	0	3.0	11/16	46.75		288.80	30.21
9-7-72	W-13	5	0	0	78	78	78	0	0	3.0	5/8	47.11		300.00	29.81
			0	0	390	390	390	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division Fifth Project EMF I-10-1(34)27

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.40 to Station 136+00

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Constr. Co. Inspector Cauthen

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of ~~(drop)~~ ^{Air} ~~(steel)~~ hammer 16,250# Type Vulcan 016 Size of Piling 30" sq. Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
9-6-72	W-14 W-14	1	0	0	78	78	78	0	0	3.0	9/16	45.56		312.00	31.4
9-6-72	W-14 W-14	2	0	0	78	78	78	0	0	3.0	11/16	45.92		288.80	31.0
9-6-72	W-14 W-14	3	0	0	78	78	78	0	0	3.0	11/16	46.29		288.80	30.7
9-6-72	W-14 W-14	4	0	0	78	78	78	0	0	3.0	9/16	46.66		312.00	30.3
9-6-72	W-14 W-14	5	0	0	78	78	78	0	0	3.0	1/2	29.98		325.00	29.9
			0	0	390	390	390	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Weight of ~~(drop)~~ (steam) hammer 16,250# Type Fulcan 016 Size of Piling 30" sq. conc.

Show changes in plan on back of this sheet

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF STEEL PILING

County 11011 Division 11011 Project 1-10-1(31)27

Road between East Termal Interchange and East Grand Lane

Bridge: Station 107+00 L2 to Station 136+00

Contractor James H. McGee Sub-Contractor John W. McGee Inspector William A. Stewart

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) ^{air} (steam) hammer 16,250# Type Vulcan 016 Size of Piling 30" sq. conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
8-21-72	W-20	1	0	0	74	74	74	0	0	3.0	5/8	47.52		300.00	26.
8-21-72	W-20	2	0	0	74	74	74	0	0	3.0	1/2	47.88		325.00	26.
8-21-72	W-20	3	0	0	74	74	74	0	0	3.0	1/2	48.25		325.00	25.
8-21-72	W-20	4	0	0	74	74	74	0	0	3.0	1/4	48.61		390.00	25.
8-21-72	W-20	5	0	0	74	74	74	0	0	3.0	5/8	49.11		300.00	24.
			0	0	370	370	370	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division 5th Project IMP 1-10-1(34)27

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.40 to Station 136+00

Contractor Moas-Thornton Co. Inc. Sub-Contractor Gulf City Constr. Co. Inspector Cauthen & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (~~drop~~ ^{Air}) (~~hammer~~) hammer 16,250 Type Vulcan 016 Size of Piling 30" sq. conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
9-25-72	W-21	1	0	0	72	72	72	0	0	3.0	1/2	46.86		325.00	25.14
9-25-72	W-21	2	0	0	72	72	72	0	0	3.0	11/16	47.04		288.80	24.96
9-25-72	W-21	3	0	0	72	72	72	0	0	3.0	11/16	47.22		288.80	24.78
9-25-72	W-21	4	0	0	72	72	72	0	0	3.0	9/16	47.40		312.00	24.60
9-25-72	W-21	5	0	0	72	72	72	0	0	3.0	11/16	47.58		288.80	24.42
9-25-72	W-21	6	0	0	72	72	72	0	0	3.0	1/2	47.76		325.00	24.24
9-25-72	W-21	7	0	0	72	72	72	0	0	3.0	11/16	47.94		288.80	24.06
9-25-72	W-21	8	0	0	72	72	72	0	0	3.0	1/2	48.12		325.00	23.89
			0	0	576	576	576	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Weight of (drop) (steel) hammer 16,250 Type Fulcrum 016 Size of Piling 30" Sq. Conc.

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division 5th Project I-10-1(34)27

Road between East Tunnel Interchange and West Bund Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Hess-Thornton Co. Inc. Sub-Contractor Gulf City Const. Co. Inspector Cauthen & Woodman

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) ~~1773~~ ^{Air} (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							Bent W-24								
10-10-72	W-24	1	0	0	75	75	75	0	0	3.0	3/4	51.95		278.57	23.0
10-10-72	W-24	2	0	0	75	75	75	0	0	3.0	3/4	52.31		278.57	22.6
10-10-72	W-24	3	0	0	75	75	75	0	0	3.0	5/8	52.68		300.00	22.3
10-10-72	W-24	4	0	0	75	75	75	0	0	3.0	3/4	53.04		278.57	21.9
10-10-72	W-24	5	0	0	75	75	75	0	0	3.0	5/8	53.41		300.00	21.5
			0	0	375	375	375	0	0						
							Bent W-25								
10-11-72	W-25	1	0	0	74	74	74	0	0	3.0	11/16	52.02		288.89	21.5
10-11-72	W-25	2	0	0	74	74	74	0	0	3.0	3/4	52.39		278.57	21.6
10-11-72	W-25	3	0	0	74	74	74	0	0	3.0	5/8	52.75		300.00	21.2
10-11-72	W-25	4	0	0	74	74	74	0	0	3.0	3/4	53.12		278.57	20.8
			0	0	370	370	370	0	0						
10-11-72	W-25	5	0	0	74	74	74	0	0	3.0	See Book, A W-3				
					370	370	370								
							2/9								
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Weight of (drop) (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Cons.

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division 5th Project I-10-1(1)27

Road between East Tunnel Interchange and West Round Lane

Bridge: Station 107+22.12 to Station 136+00.00

Contractor Moss-Thornton Co., Inc. Sub-Contractor Gulf City Const Co. Inspector Cauthen & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (~~XXXX~~) ^{Air} (~~Steam~~) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							Bent W-28								
10-16-72	W-28	1	0	0	71	71	71	0	0	3.0	3/4	51.92		278.57	19.04
10-16-72	W-28	2	0	0	71	71	71	0	0	3.0	5/8	52.23		300.00	18.7
10-16-72	W-28	3	0	0	71	71	71	0	0	3.0	3/4	52.54		278.57	18.4
10-16-72	W-28	4	0	0	71	71	71	0	0	3.0	3/4	52.85		278.57	18.1
10-16-72	W-28	5	0	0	71	71	71	0	0	3.0	5/8	53.15		300.00	17.8
			0	0	355	355	355	0	0						
							Bent W-29								
10-17-72	W-29	1	0	0	70	70	70	0	0	3.0	3/4	51.76		278.57	18.2
10-17-72	W-29	2	0	0	70	70	70	0	0	3.0	3/4	51.93		278.57	18.0
10-17-72	W-29	3	0	0	70	70	70	0	0	3.0	11/16	52.10		288.89	17.9
10-17-72	W-29	4	0	0	70	70	70	0	0	3.0	5/8	52.28		300.00	17.7
10-17-72	W-29	5	0	0	70	70	70	0	0	3.0	11/16	52.45		288.89	17.5
			0	0	350	350	350	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~SILVER~~ PILING
Concrete

County Mobile Division 5th Project I-10-1 (34)27

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Hoss-Thornton Co. Inc. Sub-Contractor Gulf City Const. Co. Inspector Caithen & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) 415 (steam) hammer 14,250 Type Vulcan 016 Size of Piling 30" Sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
						Bent	A-30 & B-30								
10-19-72	H-30	1	0	0	70	70	70	0	0	3.0	3/4	52.92		278.57	17.0
10-19-72	H-30	2	0	0	70	70	70	0	0	3.0	11/16	52.78		288.89	17.2
10-19-72	H-30	3	0	0	70	70	70	0	0	3.0	3/4	52.83		278.57	17.3
10-19-72	H-30	4	0	0	70	70	70	0	0	3.0	3/4	52.58		278.57	17.1
10-19-72	H-30	5	0	0	70	70	70	0	0	3.0	5/8	52.61		300.00	17.3
10-19-72	H-30	6	0	0	70	70	70	0	0	3.0	5/8	52.65		300.00	17.3
10-19-72	H-30	7	0	0	70	70	70	0	0	3.0	11/16	52.68		288.89	17.3
10-19-72	H-30	8	0	0	70	70	70	0	0	3.0	3/4	52.72		278.57	17.2
			0	0	560	560	560	0	0						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Weight of (drop) (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq. Conc.

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division 5th Project I-10-1(34)27

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Hogg-Thornton Co. Inc. Sub-Contractor Gulf City Const. Co. Inspector Carthon & Woodman

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) ^{Air} (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Cone.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							Bent W-33								
10-25-72	W-33	1	0	0	65	65	65	0	0	3.0	7/16	49.95		339.13	15.05
10-25-72	W-33	2	0	0	65	65	65	0	0	3.0	15/32	49.79		331.63	15.21
10-25-72	W-33	3	0	0	65	65	65	0	0	3.0	7/16	49.63		339.13	15.37
10-25-72	W-33	4	0	0	65	65	65	0	0	3.0	15/32	49.47		331.63	15.53
10-25-72	W-33	5	0	0	65	65	65	0	0	3.0	15/32	49.31		331.63	15.69
10-25-72	W-33	6	0	0	65	65	65	0	0	3.0	15/32	49.15		331.63	15.85
			0	0	390	390	390	0	0						
							Bent W-34								
10-26-72	W-34	1	0	0	63	63	63	0	0	3.0	15/32	48.27		331.63	14.71
10-26-72	W-34	2	0	0	63	63	63	0	0	3.0	15/32	48.13		331.63	14.87
10-26-72	W-34	3	0	0	63	63	63	0	0	3.0	7/16	47.99		339.13	15.03
10-26-72	W-34	4	0	0	63	63	63	0	0	3.0	3/8	47.84		350.55	15.19
10-26-72	W-34	5	0	0	63	63	63	0	0	3.0	7/16	47.70		339.13	15.35
10-26-72	W-34	6	0	0	63	63	63	0	0	3.0	15/32	47.56		331.63	15.51
			0	0	378	378	378	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF STEEL PILING
Concrete

County Mobile Division 5th Project I-10-1(34)27

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Moss-Thornton Co. Inc. Sub-Contractor Gulf City Const Co Inspector Cauthen & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) 445 (steam) hammer 16,250 Type Wilean 016 Size of Piling 30" Sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							<u>Bent W-35</u>								
10-30-72	W-35	1	0	0	62	62	62	0	0	3.0	15/32	47.54		331.63	14.3
10-31-72	W-35	2	0	0	62	62	62	0	0	3.0	7/16	46.76		339.13	15.21
10-27-72	W-35	3	0	0	62	62	62	0	0	3.0	15/32	47.55		331.63	14.45
10-27-72	W-35	4	0	0	62	62	62	0	0	3.0	3/8	47.41		354.55	14.58
10-27-72	W-35	5	0	0	62	62	62	0	0	3.0	7/16	47.27		339.13	14.70
10-27-72	W-35	6	0	0	62	62	62	0	0	3.0	3/8	47.13		354.55	14.87
10-27-72	W-35	7	0	0	62	62	62	0	0	3.0	3/8	46.98		354.55	15.00
10-27-72	W-35	8	0	0	62	62	62	0	0	3.0	15/32	46.84		331.63	15.17
10-30-72	W-35	9	0	0	62	62	62	0	0	3.0	15/32	47.64		331.63	14.3
10-31-72	W-35	10	0	0	62	62	62	0	0	3.0	7/16	46.76		339.13	15.21
			0	0	620	620	620	0	0						
							<u>Bent W-36</u>								
10-31-72	W-36	1	0	0	62	62	62	0	0	3.0	15/32	47.54		331.63	14.3
10-31-72	W-36	2	0	0	62	62	62	0	0	3.0	7/16	47.55		339.13	15.21
10-31-72	W-36	3	0	0	62	62	62	0	0	3.0	3/8	47.41		354.55	14.58
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEELE~~ PILING
Concrete

County Mobile Division 5th Project 1-10-1 (9/127)

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor ~~Hughes Construction Co., Inc.~~ Sub-Contractor Gulf City Const Co. Inspector Cawthon & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (~~drop~~) (~~steam~~) hammer 16,250 Type Volcan 016 Size of Piling 30" Sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Com- puted Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							Bent W-36								
10-31-72	W-36	1	0	0	62	62	62	0	0	3.0	15/32	47.69		331.63	14.1
10-31-72	W-36	2	0	0	62	62	62	0	0	3.0	7/16	47.55		339.13	14.1
10-31-72	W-36	3	0	0	62	62	62	0	0	3.0	3/8	47.40		354.59	14.6
10-31-72	W-36	4	0	0	62	62	62	0	0	3.0	15/32	47.26		331.63	14.7
10-31-72	W-36	5	0	0	62	62	62	0	0	3.0	15/32	47.12		331.63	14.8
							Bent W-37								
11-1-72	W-37	1	0	0	62	62	62	0	0	3.0	7/16	47.81		339.13	14.1
11-1-72	W-37	2	0	0	62	62	62	0	0	3.0	15.32	47.68		331.63	14.3
11-1-72	W-37	3	0	0	62	62	62	0	0	3.0	3/8	47.55		354.55	14.4
11-1-72	W-37	4	0	0	62	62	62	0	0	3.0	3/8	47.41		354.55	14.5
11-1-72	W-37	5	0	0	62	62	62	0	0	3.0	15.32	47.28		331.63	14.7
			0	0	310	310	310	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Show changes in plan on back of this sheet

Weight of (~~drop~~) (~~144~~) (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Cone.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
11-9-72	W-40	1	0	0	62	62	62	0	0	3.0	15/32	47.90		331.63	14.10
11-9-72	W-40	2	0	0	62	62	62	0	0	3.0	15/32	47.77		331.63	14.2
11-9-72	W-40	3	0	0	62	62	62	0	0	3.0	3/8	47.63		354.55	14.37
11-9-72	W-40	4	0	0	62	62	62	0	0	3.0	15/32	47.50		331.63	14.50
11-9-72	W-40	5	0	0	62	62	62	0	0	3.0	7/16	47.37		339.13	14.63
			0	0	310	310	310	0	0						
						Bent W-41									
11-10-72	W-41	1	0	0	62	62	62	0	0	3.0	15/32	47.90		331.63	14.10
11-10-72	W-41	2	0	0	62	62	62	0	0	3.0	7/16	47.77		339.13	14.23
11-10-72	W-41	3	0	0	62	62	62	0	0	3.0	7/16	47.63		339.13	14.37
11-10-72	W-41	4	0	0	62	62	62	0	0	3.0	3/8	47.50		354.55	14.50
11-10-72	W-41	5	0	0	62	62	62	0	0	3.0	15/32	47.37		331.63	14.63
			0	0	310	310	310	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Weight of (drop) (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Cons.

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Mobile Division 5th Project I-10-1(34)27

Road between East Tunnel Interchange and West Bound Lane

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Moss-Thornton Co., Inc. Sub-Contractor Gulf City Const. Co. Inspector Cauthen & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of ~~(drop)~~ ^{Air} (Steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq. Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							Bent 6-44								
11-15-72	W-44	1	0	0	68	68	68	0	0	3.0	15/32	53.90		331.63	14.1
11-15-72	W-44	2	0	0	68	68	68	0	0	3.0	7/16	53.77		339.13	14.2
11-15-72	W-44	3	0	0	68	68	68	0	0	3.0	7/16	53.63		339.13	14.3
11-15-72	W-44	4	0	0	68	68	68	0	0	3.0	7/16	53.50		339.13	14.50
11-15-72	W-44	5	0	0	68	68	68	0	0	3.0	3/8	53.37		354.55	14.6
			0	0	340	340	340	0	0						
							Bent 6-45								
11-17-72	W-45	1	0	0	70	70	70	0	0	3.0	1/4	56.25		390.00	13.75
11-17-72	W-45	2	0	0	70	70	70	0	0	3.0	5/16	56.14		371.43	13.9
11-16-72	W-45	3	0	0	70	70	70	0	0	3.0	1/4	56.02		390.00	13.9
11-16-72	W-45	4	0	0	70	70	70	0	0	3.0	1/4	55.90		390.00	14.1
11-17-72	W-45	5	0	0	70	70	70	0	0	3.0	11/32	55.77		363.81	14.2
11-17-72	W-45	6	0	0	70	70	70	0	0	3.0	5/16	55.63		371.43	14.3
11-17-72	W-45	7	0	0	70	70	70	0	0	3.0	5/16	55.50		371.43	14.5
11-17-72	W-45	8	0	0	70	70	70	0	0	3.0	11/32	55.37		363.81	14.6
			0	0	560	560	560	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Weight of (drop) (steam) hammer 16,850 Type Vulcan 016 Size of Piling 30" sq. conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Pene- tration	Kind of Soil	Com- puted Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
							Dont W-46								
11-21-72	W-46	1	0	0	70	70	70	0	0	3.0	1/4	55.90		390.00	14.1
12-21-72	W-46	2	0	0	70	70	70	0	0	3.0	5/16	55.77		371.43	14.8
11-22-72	W-46	3	0	0	70	70	70	0	0	3.0	5/16	55.63		371.43	14.3
11-20-72	W-46	4	0	0	70	70	70	0	0	3.0	11/32	55.50		363.81	14.5
11-20-72	W-46	5	0	0	70	70	70	0	0	3.0	11/32	55.37		363.81	14.6
			0	0	350	350	350	0	0						
							Dont W-47								
12-21-72	W-47	1	0	0	70	70	70	0	0	3.0	11/32	55.90		363.81	14.7
11-21-72	W-47	2	0	0	70	70	70	0	0	3.0	11/32	55.77		363.81	14.8
11-21-72	W-47	3	0	0	70	70	70	0	0	3.0	5/16	55.63		371.43	14.3
12-28-72	W-47	4	0	0	70	70	70	0	0	3.0	11/32	55.50		363.81	14.5
11-28-72	W-47	5	0	0	70	70	70	0	0	3.0	5/16	55.37		371.43	14.6
			0	0	350	350	350	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct _____ Approved _____
Resident Engineer Division Engineer

Show changes in plan on back of this sheet

Show changes in plan on back of this sheet

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF ~~STEEL~~ PILING
Concrete

County Holmes Division 5th Project I-10-1 (31)87

Road between **East Tunnel Interchange** and **West Round Lane**

Bridge: Station 107+22.42 to Station 136+00.00

Contractor Hops-Thurston Co., Inc. Sub-Contractor Gulf City Const Co. Inspector Caution & Woodham

Bents numbered as per plans if shown, otherwise numbered from north on east end. Piles numbered from left to right.

Weight of (drop) (steam) hammer 16,250 Type Vulcan 016 Size of Piling 30" Sq Conc.

Date	No. Bent	No. Pile	Pay Splices	Added Pile	Furn. Length	Ordered Length	Actual Length in Str.	Actual Length CutOff	Length Pay CutOff	Last 10 Blows		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
										Drop of Hammer	Penetr. 10 Blows				
						Bent	W-50								
11-10-72	W-50	1	0	0	70	70	70	0	0	3.0	11/32	55.90		363.81	14.3
11-10-72	W-50	2	0	0	70	70	70	0	0	3.0	1/4	55.77		390.00	14.2
11-10-72	W-50	3	0	0	70	70	70	0	0	3.0	5/16	55.63		371.43	14.3
11-10-72	W-50	4	0	0	70	70	70	0	0	3.0	5/16	55.50		371.43	14.5
11-10-72	W-50	5	0	0	70	70	70	0	0	3.0	1/4	55.37		390.00	14.6
			0	0	350	350	350	0	0						
						Bent	W-51								
12-1-72	W-51	1	0	0	70	70	70	0	0	3.0	5/16	55.90		371.43	14.3
12-1-72	W-51	2	0	0	70	70	70	0	0	3.0	11/32	55.77		363.81	14.2
12-1-72	W-51	3	0	0	70	70	70	0	0	3.0	9/32	55.63		380.49	14.3
12-1-72	W-51	4	0	0	70	70	70	0	0	3.0	5/16	55.50		371.43	14.5
12-1-72	W-51	5	0	0	70	70	70	0	0	3.0	11/32	55.37		363.81	14.6
			0	0	350	350	350	0	0						
			Total	Total	Total	Total	Total	Total	Total						

Correct R. E. Ryan
Resident Engineer

Approved [Signature]
Division Engineer
Approved [Signature]
Asst. Const. Engineer

Show changes in plan on back of this sheet



STATE OF ALABAMA HIGHWAY DEPARTMENT

RAY D. BASS
HIGHWAY DIRECTOR

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

December 10, 1976

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

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

Dear Sir:

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

Bents 2 through 4	- Eastbound Bridge	480.0
Bents 133 through 151	- Eastbound Bridge	5273.85
Bents 251 through 333	- Eastbound Bridge	15940.72
Bents 2 through 4	- Westbound Bridge	480.0
Bents 217 through 268	- Westbound Bridge	9936.15

Yours very truly,

M. H. WILKINS, DIVISION ENGINEER

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

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



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 8, 1976

Collins
Heritage, et al

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 2 EBB thru 4 EBB

Bent 133 EBB thru 151 EBB

Bent 251 EBB thru 333 EBB

Bent 2 WBB thru 4 WBB

Bent 217 WBB thru 268 WBB

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

Should additional information be desired, please advise.

Yours truly,

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

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 xx
080

Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	CutOff to Ground
									Energy Delivered	No. Blows				
					Bent. No. 2	WBB						Contr Pile No		
9/24/76	2W	1	80	80	0	0	80	0	75,000	240	62.0	1542	500.00	18.0
9/24/76	2W	2	80	80	0	0	80	0	75,000	192	62.0	1540	461.54	18.0
Total				160	0	0	160							
					Bent. No. 3	WBB								
9/24/76	3W	1	80	80	0	0	80	0	75,000	182	62.0	1537	452.08	18.0
9/27/76	3W	2	80	80	0	0	80	0	75,000	179	62.0	1539	449.10	18.0
Total				160	0	0	160							
					Bent. No. 4	WBB								
9/27/76	4W	1	80	80	0	0	80	0	75,000	201	62.0	1538	469.63	18.0
9/27/76	4W	2	80	80	0	0	80	0	75,000	198	62.0	1541	467.00	18.0
Total				160	0	0	160							
				Total	Total	Total	Total							

Correct L. E. Day Project Engineer Approved _____ Division Engineer Const. Engr.

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

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

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{x}{040}$. Hammer Action: Single .

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Pene- tration	Kind of Soil	Com- puted Bearing	Cut to Gro-
					Bent No.							Contr File No		
10/12/76	217W	1	90	92	0	0	92.0	0	80,000	185	76.0	1624	485.43	16.
10/12/76	217W	2	90	92	0	0	92.0	0	80,000	179	76.0	1623	479.04	16.
Total				184	0	0	184							
					Bent No.									
10/12/76	218W	1	88	90	0	0	90.0	0	80,000	160	74.0	1619	457.14	16.
10/12/76	218W	2	88	90	0	0	90.0	0	80,000	162	74.0	1613	459.77	16.
Total				180	0	0	180							
					Bent No.									
10/12/76	219W	1	88	90	0	0	90.0	0	80,000	212	74.0	1622	510.86	16.
10/12/76	219W	2	88	90	0	0	90.0	0	80,000	235	74.0	1620	529.80	16.
Total				180	0	0	180							
					Bent No.									
10/13/76	220W	1	88	90	0	0	90.0	0	80,000	162	74.0	1621	459.70	16.
10/13/76	220W	2	88	90	0	0	90.0	0	80,000	216	74.0	1616	514.47	16.
Total				180	0	0	180							
			n	Total	Total	Total	Total							

Correct P. E. J. A. H. Approved _____
Project Engineer Division Engineer

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

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

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

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{x}{040}$. Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Group
									Energy Delivered	No. Blows				
					Bent	No. 225 WBB						Contr Pile	No	
10-14-76	225W	1	90	92	0	0	92.0	0	80,000	161	77.0	1636	458.45	15.
10-14-76	225W	2	90	92	0	0	92.0	0	80,000	195	76.0	1638	495.36	16.
Total				184	0	0	184							
					Bent	No. 226 WBB								
10-14-76	226W	1	90	96.0	0	0	96.0	0	80,000	211	81.0	1631	510.20	15.
10-14-76	226W	2	90	96.0	1.50	0	97.5	0	80,000	201	81.5	1630	500.94	16.
Total				192.0	1.50	0	193.5							
					Bent	No. 227 WBB								
10-14-76	227W	1	90	96.0	0	0	96.0	0	80,000	166	81.0	1633	464.58	15.
10-14-76	227W	2	90	96.0	0	0	96.0	0	80,000	159	80.0	1634	456.10	16.
Total				192	0	0	192							
					Bent	No. 228 WBB								
10-14-76	228W	1	90	96	0	0	96.0	0	80,000	179	81.0	1632	479.04	15.
10-14-76	228W	2	90	96	0	0	96.0	0	80,000	198	80.0	1629	498.13	16.
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct K. E. Jann Project Engineer Approved _____ Division Engineer Const. Engr.

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

761.5

STATE OF ALABAMA HIGHWAY DEPARTMENT DRIVING RECORD OF CONCRETE PILING

County Mobile & Baldwin Division 9th Project I-1

Road between East Tunnel Interchange and Spanish Fort

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

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

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

Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cu t Gro
									Energy Delivered	No. Blows				
					Bent	No. 229 WBB						Contr		
												Pile No		
10-25-76	229W	1	90	100	0	0	100	0	80,000	164	85.0	1628	462.16	15
10-25-76	229W	2	90	100	0	0	100	0	80,000	228	84.0	1625	524.25	16
Total				200	0	0	200							
					Bent	No. 230 WBB								
10-25-76	230W	1	90	100	0	0	100	0	80,000	161	85.0	1627	458.45	15
10-25-76	230W	2	90	100	0	0	100	0	80,000	182	84.0	1626	482.22	16
Total				200	0	0	200							
					Bent	No. 231 WBB								
10-26-76	231W	1	90	100	0	0	100	0	80,000	259	85.0	1650	546.82	15
10-26-76	231W	2	90	100	0	0	100	0	80,000	400	84.0	1652	615.38	16
Total				200	0	0	200							
					Bent	NO. 232 WBB								
10-26-76	232W	1	90	100	0	0	100	0	80,000	176	85.0	1651	475.91	15
10-26-76	232W	2	90	100	0	0	100	0	80,000	164	84.0	1649	462.16	16
Total				200	0	0	200							
				Total	Total	Total	Total							

Correct E. E. Jay Project Engineer Approved _____ Division Engineer Constr. Eng.

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent foundations.

Also show any changes in plans on back.

Size of Piling: 54"

775.25

STATE OF ALABAMA HIGHWAY DEPARTMENT
DRIVING RECORD OF CONCRETE PILING

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

Kind of Hammer: Diesel _____ Air _____ Steam $\frac{x}{040}$ Hammer Action: Single

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

[illegible]

Correct *[Signature]* Project Engineer Approved *[Signature]* Division Engineer XXXXX Const. Eng

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

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 $\frac{x}{0.10}$. Hammer Action: Single

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length CutOff	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cu 1 Gro
									Energy Delivered	No. Blows				
						Bent No. 241 WBB						Contr. Pile No		
11-9-76	241W	1	92	96	0	0	96	0	80,000	206	83	1666	505.69	15
11-9-76	241W	2	92	96	0	0	96	0	80,000	201	81	1662	500.94	15
Total				192	0	0	192							
						Bent No. 242 WBB								
11-9-76	242W	1	92	96	0	0	96.0	0	80,000	199	83.0	1660	499.06	15
11-9-76	242W	2	92	96	0	0	96	0	80,000	215	81.0	1656	513.48	15
Total				192	0	0	192							
						Bent No. 243 WBB								
11-9-76	243W	1	92	96	0	0	96	0	80,000	197	83.0	1659	497.20	15
11-9-76	243W	2	92	96	0	0	96	0	80,000	211	81.0	1657	510.20	15
Total				192	0	0	192							
						Bent No. 244 WBB								
11-9-76	244W	1	92	96	0	0	96	0	80,000	200	83.0	1658	500.00	15
11-9-76	244W	2	92	96	0	0	96	0	80,00	238	81.0	1661	531.91	15
Total				192	0	0	192							
				Total	Total	Total	Total							

Correct K. E. Allen Project Engineer Approved xxxxx Division Const. Eng.

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

Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.

Also show any changes in plans on back.

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 010 Hammer Action: Single

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

[illegible]

Correct K. E. Jones 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): WEB

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

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: 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 Pene- tration	Kind of Soil	Com- puted Bearing	Cum- ulative Gro
									Energy Delivered	No. Blows				
					Bent No. 249 WBB							Contr Pile No		
11-12-76	249W	1	96	96	0	0	96	0	80,000	204	83.0	1692	503.78	13
11-12-76	249W	2	96	96	0	0	96	0	80,000	220	81.0	1686	517.80	15
Total				192	0	0	192							
					Bent No. 250 WBB									
11-12-76	250W	1	96	96	0	0	96	0	80,000	209	83.0	1689	508.26	13
11-12-76	250W	2	96	96	0	0	96	0	80,000	199	81.0	1690	499.06	15
Total				192	0	0	192							
					Bent No. 251 WBB									
11-12-76	251W	1	96	96	0	0	96	0	80,000	200	83.0	1688	500.00	13
11-12-76	251W	2	96	96	0	0	96	0	80,000	214	81.0	1687	512.82	15
Total				192	0	0	192							
					Bent No. 252 WBB									
11-12-76	252W	1	96	96	0	0	96	0	80,000	211	83.0	1710	510.20	13
11-12-76	252W	2	96	96	0	0	96	0	80,000	203	81.0	1709	502.82	15
Total				192	0	0	192							
			2	Total	Total	Total	Total							

Correct F. E. Jain Project Engineer Approved _____ Division Engineer Const. Engr.

Bents numbered as per plans. In general, piles numbered from left to right
Draw sketches on back showing numbering sequence of piles in abutments, trestle bents and bent footings.
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): 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. 80,000 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 Gro
									Energy Delivered	No. Blows				
					Bent	253-W			80,000			Contr Pile#		
11-15-76	253-W	1	96	96	0	0	96		"	301	83.0	1708	572.25	13
11-15-76	253-W	2	96	96	0	0	96		"	221	81.0	1715	518.81	15
Total				192	0	0	192							
					Bent	254-W								
11-15-76	254-W	1	96	96	0	0	96		"	199	83.0	1704	499.06	12
11-15-76	254-W	2	96	96	0	0	96		"	201	81.0	1706	500.91	15
Total				192	0	0	192							
					Bent	255-W								
11-16-76	255-W	1	96	96	0	0	96		"	205	83.0	1711	504.73	12
11-16-76	255-W	2	96	96	0	0	96		"	199	81.0	1722	499.06	15
Total				192	0	0	192							
					Bent	256-W								
11-16-76	256-W	1	96	96	0	0	96		"	215	83.0	1716	513.48	13
11-16-76	256-W	2	96	96	0	0	96		"	209	81.0	1717	508.26	15
Total				192	0	0	192							
									80,000					
				Total	Total	Total	Total							

Correct P. E. Jones Project Engineer Approved _____ Division Engineer
 Const. Engineer

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

STATE OF ALABAMA HIGHWAY DEPARTMENT

DRIVING RECORD OF CONCRETE PILING

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

Road between East Tunnel Interchange and Spanish Fort

Bridge: Station 60+99.56 to Station 1+29+22.153 Lane (if applicable): WBB

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

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" Cong.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Gro
									Energy Delivered	No. Blows				
					Bent 257-W				80,000			Contr Pile#		
11-25-76	257-W	1	96	96	0	0	96		"	267	83.0	1721	552.10	13.
11-25-76	257-W	2	96	96	0	0	96		"	217	81.0	1718	515.16	15.
Total				192	0	0	192							
					Bent 258-W									
11-23-76	258-W	1	96	96	0	0	96		"	217	83.0	1719	538.72	13.
11-23-76	258-W	2	96	96	0	1.6	91.10		"	198	75.1	1720	615.16	16.
Total				192	0	1.6	187.10							
					Bent 259-W									
11-30-76	259-W	1	96	96	0	0	96		"	235	83.0	1701	529.80	13.
11-30-76	259-W	2	96	96	0	0	96		"	298	80.0	1700	570.61	16.
Total				192	0	0	192							
					Bent 260-W									
11-30-76	260-W	1	96	96	0	0	96		"	205	83.0	1671	504.73	13.
11-30-76	260-W	2	96	96	0	0	96		"	215	80.0	1675	513.18	16.
Total				192	0	0	192							
									80,000					
				Total	Total	Total	Total							

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

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

763.4

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 6+99.56 to Station 129+22.153 Lane (if applicable): WRB

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

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

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

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Gro
									Energy Delivered	No. Blows				
					Bent	261-W			80,000			Contr. Pile#		
11-30-76	261-W	1	96	96	0	0	96		"	201	83.0	1705	503.78	13
11-30-76	261-W	2	96	96	0	0	96		"	212	80.0	1707	510.86	16
Total				192	0	0	192							
					Bent	262-W								
11-30-76	262-W	1	96	96	0	0	96		"	217	83.0	1676	538.72	13
11-30-76	262-W	2	96	96	0	0	96		"	231	80.0	1712	526.66	16
Total				192	0	0	192							
					Bent	263-W								
12-2-76	263-W	1	96	96	0	0	96		"	213	83.0	1703	535.93	13
12-2-76	263-W	2	96	96	0	0	96		"	293	80.0	1702	567.78	16
Total				192	0	0	192							
					Bent	264-W								
12-2-76	264-W	1	96	96	0	0	96		"	111	83.0	1711	432.20	13
12-2-76	264-W	2	96	96	0	0	96		"	184	80.0	1713	481.26	16
Total				192	0	0	192							
									80,000					
				Total	Total	Total	Total							

Correct R. E. Jay 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 9 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): WEB

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. 80,000 Size of Piling: 54" Conc.

Date	No. Bent	No. Pile	Proposed Length	Furn. Length	Added Pile	Actual Length Cut Off	Actual Length in Str.	Total Splices	Last Foot Penet.		Total Penetration	Kind of Soil	Computed Bearing	Cut to Ground
									Energy Delivered	No. Blows				
					Bent	265-W			80,000			Controls File #		
12-2-76	265-W	1	96	96	0	0	96		"	134	82.5	1677	122.16	13.
12-2-76	265-W	2	96	96	0	0	96		"	120	79.2	1691	116.02	16.
Total				192	0	0	192							
					Bent	266-W								
12-2-76	266-W	1	96	96	0	0	96		"	139	82.5	1681	129.12	13.
12-2-76	266-W	2	96	96	0	0	96		"	137	79.2	1682	126.67	16.
Total				192	0	0	192							
					Bent	267-W								
12-3-76	267-W	1	96	96	0	0	96		"	178	82.5	1679	177.90	13.
12-3-76	267-W	2	96	96	0	0	96		"	132	79.5	1680	119.07	16.
Total				192	0	0	192							
					Bent	268-W								
12-3-76	268-W	1	96	96	0	0	96		"	300	82.5	1678	571.13	13.
12-3-76	268-W	2	96	96	0	0	96		"	140	79.5	1681	130.80	16.
Total				192	0	0	192							
									80,000					
				Total	Total	Total	Total	APPROVED	<i>Stan C. Colen</i>					

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

Bent 217-268W 9936.15 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.