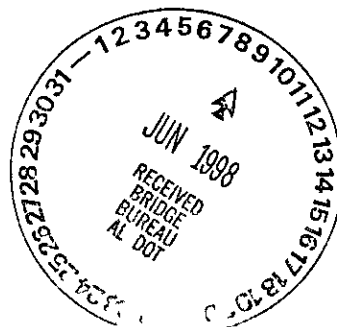


WJH-Mel



FOB JAMES JR
GOVERNOR

ALABAMA
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION BUREAU
1409 COLISEUM BOULEVARD
MONTGOMERY, ALABAMA 36130-3050
PHONE (334) 242-6208
FAX (334) 264-3727



JIMMY BUTTS
TRANSPORTATION DIRECTOR

June 9, 1998

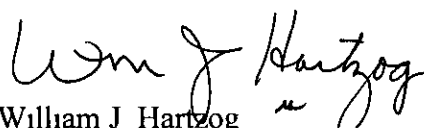
Mr William F Conway
Bridge Engineer
Alabama Department Of Transportation
OFFICE

RE Project ITS-9601(401)
Mobile and Baldwin Counties

Dear Sir

We are attaching, hereto, Test Pile Record for Test Pile on the above-referenced project

Yours very truly,


William J Hartzog
Construction Engineer

WJH/LB/ct

Attachment

pc Mr D M Kilpatrick
Mr Larry Lockett
File

ALABAMA DEPARTMENT OF TRANSPORTATION

Revised 08-07-95

DRIVING RECORD OF PILING

Project Number ITS-9601(401)				County Mobile/Baldwin				Division 9			
Bridge Station 107+42				to Station 429+49 90				Bridge Identification Number 11931			
Road Between Mobile				and Spanish Fort				Lane (if applicable) EB			
Contractor Georgia Electric Company				Sub-Contractor P & H Const				Inspector Michael Cryar			
Kind of Piling PPCP				Size of Piling 24" SQ							
Hammer Make Raymond				Hammer Model 8/0				Hammer Kind OPEN			
Hammer Type AIR				Hammer Action Single				Design Load (from plans) 50			

Date	Bent No.	Pile No.	Proposed Length (feet)	Furn. Length (feet)	Added Pile (feet)	Pile Head No.	Actual Length Cutoff (feet)	Actual Length in Str (feet)	Total Splices	Height of Fall (feet)	Energy Delivered (ft-lbs)	Blows per Ft. of Penet.	Tip Elev.	Bearing (tons)
8/12/98	OHV-1	1R	104	104	0		0	104	0	1 5	37500	31	116.10	105
8/30/98	OHV-1	2R	TEST	PILE				TEST	PILE					
8/12/98	OHV-1	3R	104	104	0		0	104	0	1 5	37500	35	116.05	115
8/17/98	OHV-1	1L	104	104	0		0	104	0	1 5	37500	25	115.95	88
8/17/98	OHV-1	2L	104	104	0		0	104	0	1 5	37500	30	116.00	102
8/17/98	OHV-1	3L	104	104	0		0	104	0	1 5	37500	32	115.95	107
TOTALS:				520	0		0	520						

REMARKS

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

Correct

Project Engineer

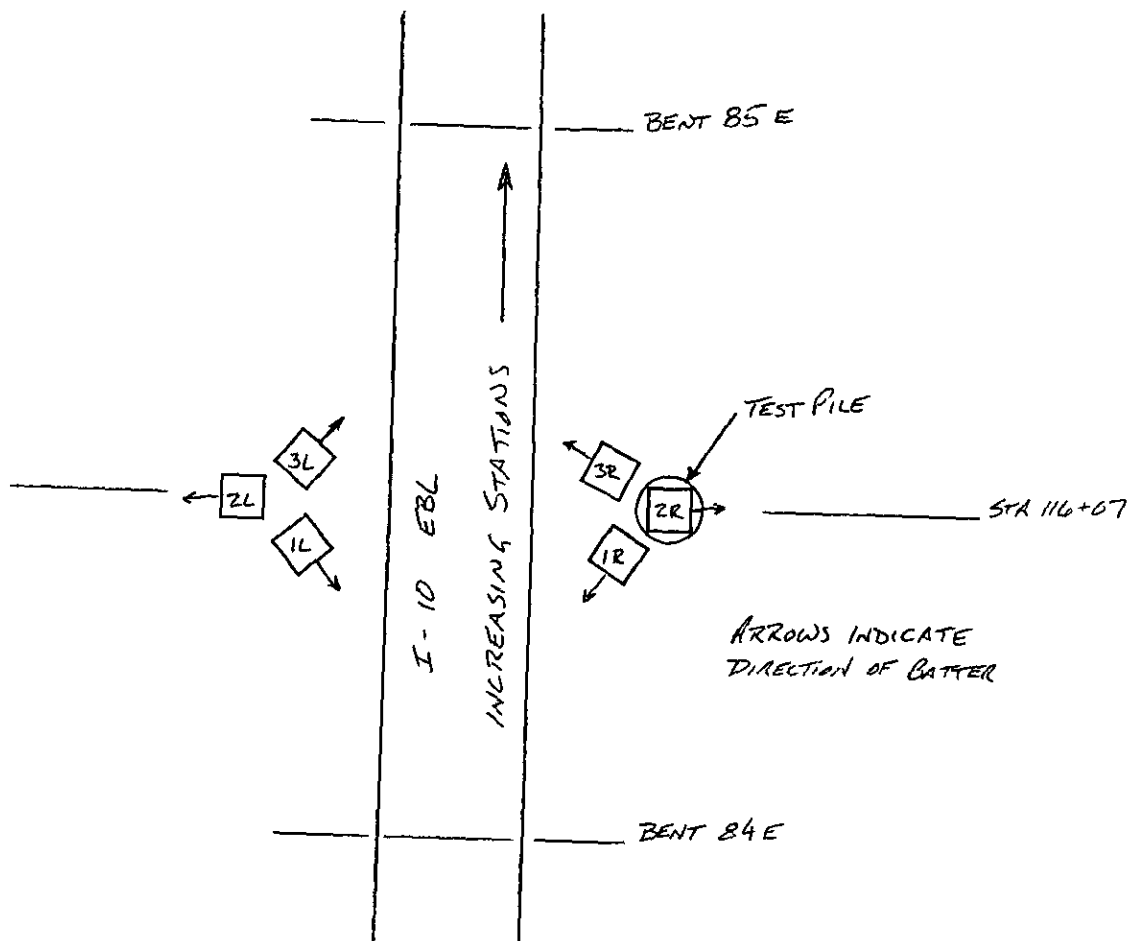
Approved

R. F. POIROUX

Division Engineer

By:

Division Construction Engineer



Revised 08-07-95

DRIVING RECORD OF PILING

Project Number ITS-9601(401)		County Mobile/Baldwin	Division 9
Bridge Station 107+42		to Station 429+49 90	Bridge Identification Number 11931
Road Between Mobile		and Spanish Fort	Lane (if applicable) EB
Contractor Georgia Electric Company	Sub-Contractor P & H Const		Inspector Michael Cryar
Kind of Piling PPCP		Size of Piling 24" SQ	
Hammer Make Raymond	Hammer Model 8/0		Hammer Kind OPEN
Hammer Type AIR	Hammer Action Single		Design Load (from plans) 50

Date	Bent No.	Pile No.	Proposed Length (feet)	Furn. Length (feet)	Added Pile (feet)	Pile Head No.	Actual Length Cutoff (feet)	Actual Length in Str (feet)	Total Splices	Height of Fall (feet)	Energy Delivered (ft.-lbs.)	Blows per Ft. of Penet.	Tip Elev.	Bearing (tons)
8/12/98	OHV-1	1R	104	104	0		0	104	0	1.5	37500	31	116.10	105
8/30/98	OHV-1	2R	TEST PILE					TEST PILE						
8/12/98	OHV-1	3R	104	104	0		0	104	0	1.5	37500	35	116.05	115
8/17/98	OHV-1	1L	104	104	0		0	104	0	1.5	37500	25	115.95	88
8/17/98	OHV-1	2L	104	104	0		0	104	0	1.5	37500	30	116.00	102
8/17/98	OHV-1	3L	104	104	0		0	104	0	1.5	37500	32	115.95	107
TOTALS:				520	0		0	520						

REMARKS

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

Correct

Project Engineer

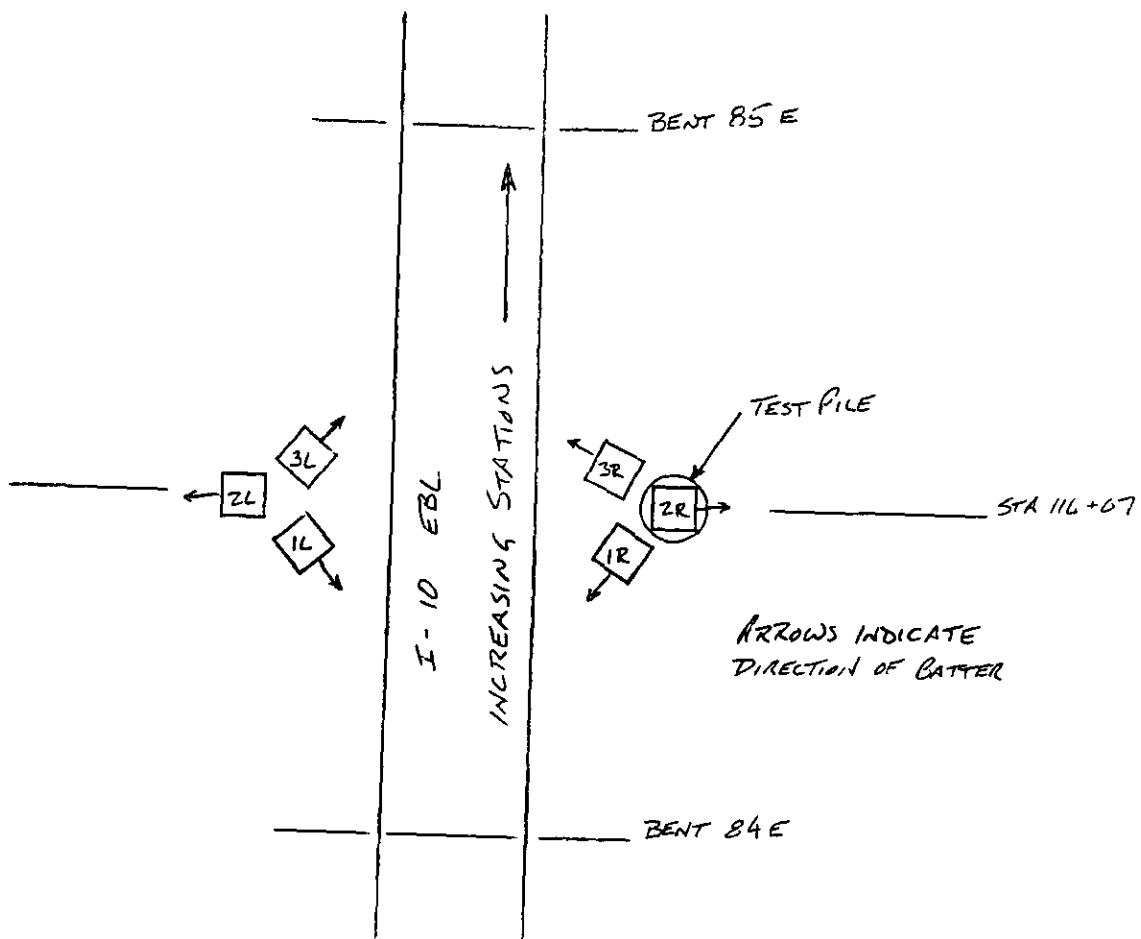
Approved

R. F. POIROUX

Division Engineer

By:

Division Construction Engineer



FORM C-16

ALABAMA DEPARTMENT OF TRANSPORTATION

DRIVING RECORD OF PILING

Revised 08-07-95

Project Number ITS-9601(401)				County Mobile/Baldwin				Division 9			
Bridge Station 107+42				to Station 429+49 90				Bridge Identification Number 11931			
Road Between Mobile				and Spanish Fort				Lane (if applicable) EB			
Contractor Georgia Electric Company				Sub-Contractor P & H Const				Inspector Michael Cryar			
Kind of Piling PPCP				Size of Piling 24" SQ							
Hammer Make Raymond				Hammer Model 8/0				Hammer Kind OPEN			
Hammer Type AIR				Hammer Action Single				Design Load (from plans) 50			

Date	Bent No.	Pile No.	Proposed Length (feet)	Final Length (feet)	Added Pile (feet)	Pile Head No.	Actual Length Cutoff (feet)	Actual Length in Str. (feet)	Total Splices	Height of Fall (feet)	Energy Delivered (ft.-lbs.)	Blows per Ft. of Penet.	Tip Elev.	Bearing (tons)
8/12/98	OHV-1	1R	104	104	0		0	104	0	1 5	37500	31	116.10	105
4/30/98	OHV-1	2R	TEST PILE					TEST PILE						
8/12/98	OHV-1	3R	104	104	0		0	104	0	1 5	37500	35	116.05	115
TOTALS.					520	0		0	520					

REMARKS

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

Correct

Project Engineer

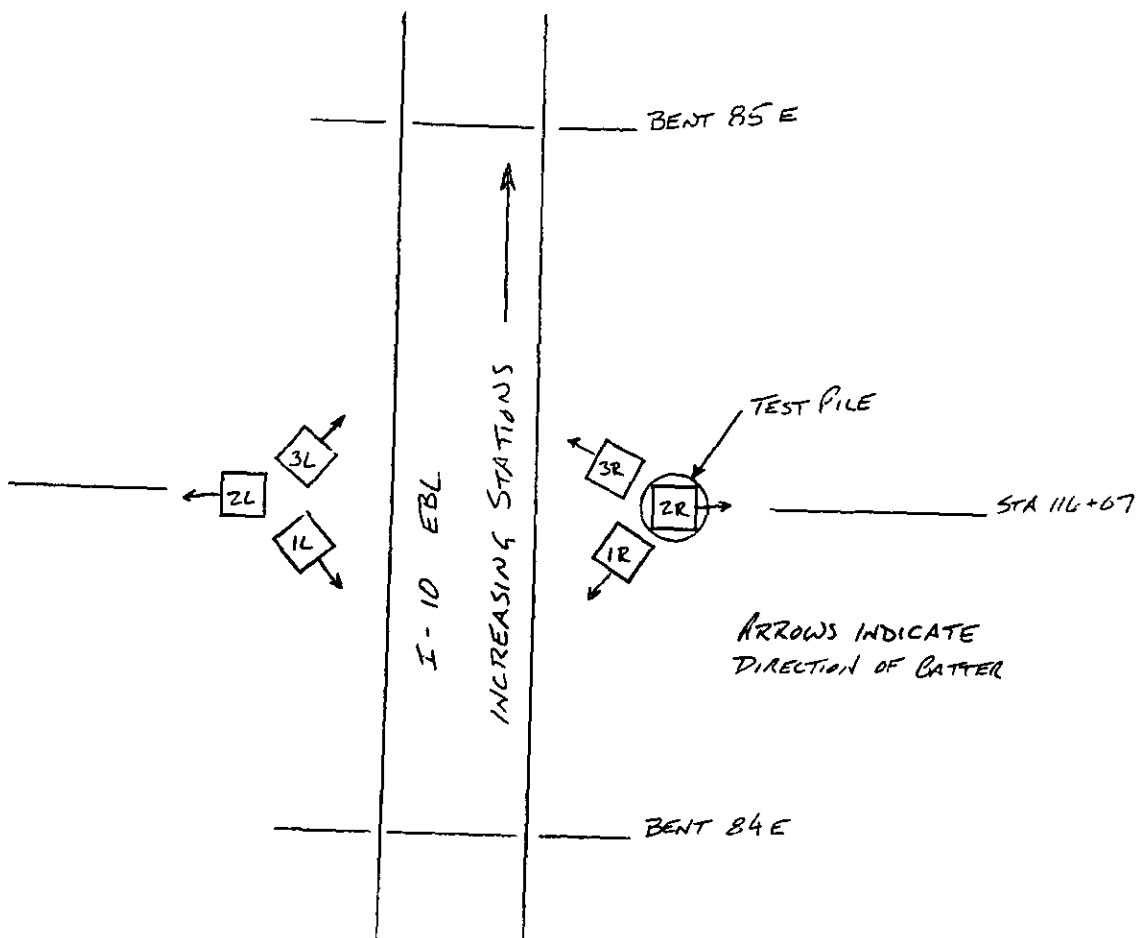
Approved

R. F. POIROUX

Division Engineer

By:

Division Construction Engineer



FORM C-15A ALABAMA DEPARTMENT OF TRANSPORTATION				
TEST PILE RECORD				
Revised 08-07-95				
Project Number ITS 9601(401)		County MOBILE / BALDWIN		Division 9
Bridge Station 116 + 07		To Station EBL	Bridge Identification Number N/A	
Road Between MOBILE		and SPANISH FORT		
Contractor GEORGIA ELECTRIC COMPANY / P & H		Inspector M CRYAR EA III		
Date 4-30-98	Bent No & Lane OHV-1 EBL		Pile No 2 R	Kind of Soil SAND / CLAY
Kind of Pile PPCP		Size of Pile 24" SQ.		Total Length (ft.) 110' - C O 6'
Elev Ground Line at Pile 195 5		Final Elev at Top of Pile 220 00		Tip Elevation 116 00
Hammer Make RAYMOND		Hammer Model 8-0		Hammer Kind OPEN
Hammer Type AIR		Hammer Action SINGLE		Rated Energy (ft.-lbs) 81,250
Weight of Hammer (lbs) 34,000		Design Load (from plans) (tons) 50		
Hammer Cushion Material MICARTA/ALUMINUM		Thickness (in) 23 1/2"	Area (sq in) 240.5	
Pile Cushion (Before Driving) Material PLYWOOD		Thickness (in) 7 1/2"	Area (sq in) 625	
Pile Cushion (After Driving) Material PLYWOOD		Thickness (in) 6 1/2"	Area (sq in) 625	
Pile Cap Weight (lbs)				

Height Of Fall (feet)	Energy Delivered To Pile (E) (ft.-lbs)	Blows Per Foot Of Penetration (N)	Total Penetration (feet)	Bearing (Ru) (tons)
1 5	37,500	20	68	72 9
1 5	37,500	20	69	72.9
1 5	37,500	23	70	85 0
1 5	37,500	26	71	91 0

REMARKS

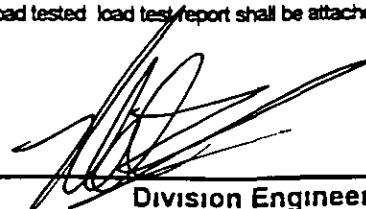
- 1 When using open type and gravity hammers record weight of hammer and height of fall of hammer Show rated energy when using closed type hammers.
- 2 Energy delivered to pile should be maintained practically constant once record keeping has begun unless specified otherwise by the Engineer
- 3 Pile cushion is only required with concrete piling
- 4 Pile cushion thickness after driving must be at least one-half the original thickness
- 5 The bearing should be determined from the graph of Blows/Foot versus Bearing which is provided from the Wave Equation Analysis or Dynamic Formula of the driving system If a graph is not provided, refer to Item 505.03(b)2. of the specifications to estimate the bearing capacity using the Dynamic Formula.
- 6 Driving should be continuous. Note any interruptions exceeding one hour
- 7 Draw sketch on back of this sheet showing location of test pile.
- 8 For continuation of test pile record use Form C-15C-2.
- 9 Test pile (check one) Static Load Tested _____ Dynamic Load Tested X (if static load tested load test report shall be attached to this report)

Correct

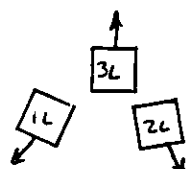


Project Engineer

Approved

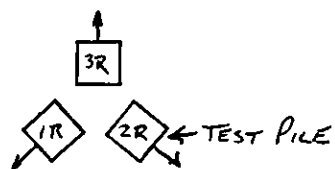


Division Engineer



I-10 EBL

INCREASING STATIONS



ARROWS INDICATE
DIRECTION OF BATTER

FORM C-15A-2A

Revised 08-07-95

CONTINUATION OF TEST PILE RECORD

Project Number ITS9601(401)	County MOBILE/BALDWIN	Division 9
--------------------------------	--------------------------	---------------

Bridge Station 116 + 07	To Station EBL	Bridge Identification Number
----------------------------	-------------------	------------------------------

Date 4-30-98	Bent No & Lane OHV-1 EBL	Pile No 2 R EBL	Kind of Soil SAND / CLAY
-----------------	--	---	-----------------------------

[illegible]



FOB JAMES JR
GOVERNOR

ALABAMA
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION BUREAU
1409 COLISEUM BOULEVARD
MONTGOMERY, ALABAMA 36130-3050
PHONE (334) 242-6208
FAX (334) 264-3727

September 22, 1998

JIMMY BUTTS
TRANSPORTATION DIRECTOR

MEMORANDUM

TO Mr W F Conway
Bridge Engineer

FROM Pete L Anderson *Pete L Anderson*
Construction Engineer *RCH*

RE Project No ITS-9601(401)
Mobile County



I am attaching one original and two copies of the Pile Driving Records for the VMS overhead sign structure located between existing Bents 84 and 85 on the EBL Bayway Bridge

This is provided for your file and further handling

RCH/rch
Attachments
pc Mr John Lorentson
Mr Larry Lockett
File



FOR JAMES JR
GOVERNOR

ALABAMA
DEPARTMENT OF TRANSPORTATION

NINTH DIVISION
OFFICE OF DIVISION ENGINEER
1701 NORTH BELTLINE HIGHWAY
MOBILE, ALABAMA 36618-1109
Telephone (334) 470-8200
FAX (334) 473 3624

JIMMY BUTTS
TRANSPORTATION DIRECTOR

September 10, 1998

Mr Pete Anderson
Acting Construction Engineer
Alabama Department of Transportation
1409 Coliseum Boulevard
Montgomery, AL 36130

Attention Mr Jeff Benefield, Road Construction Engineer

Dear Sir

Re Project No ITS-9601(401)
Mobile And Baldwin Counties

Submitted herewith are one original and two (2) copies of Pile Driving Records for piles located between existing Bents 84 and 85 on the EBL Bayway Bridge These piles will support the required VMS sign structure

If additional information is needed, please advise

Sincerely,

Vincent E Calametti K20

Vincent E Calametti, P E
Division Construction Engineer

KLO/bdh

- c Mr M R Davis w/attachment (1)
Mr Steve Watkins w/attachment (1)
Mr John Jenks w/attachment (2)
File w/attachment (1)

