LRFDPileRec.dgn

SCDOT
South Carolina Department of Transportation

RAM WEIGHT _____ P.G. HOSE LENGTH _____

PILE RECORD ON FILE NO. _____ GROUP NO. _____

FED. ROAD DIV. NO	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
	S.C.					

DATE	BENT NO.	FOOTING	PILE NO.	TYPE PILE	SIZE	DESIGN BEARING	GEOTECHNICAL RESISTANCE FACTOR	ORIGINAL LENGTH ①	< FOR PSC > SIZE OF PILE POINTS	< FOR PSC > PAY LENGTH OF PILE POINTS	REINF. PILE TIPS	BUILD-UP OR SPLICE LENGTH	TOTAL LENGTH ①	LENGTH C.O. ①	NET LENGTH ①	ELEV. C.O.	PAY LENGTH ①	ELEV. OF TIP WHEN ULTIMATE BEARING VALUE IS OBTAINED ②	ELEV. PILE TIP ②	PENETRATION IN GROUND	STROKE OR PRESSURE	EXPOSED PILE POINT LENGTH	PEN. BLOWS PER FOOT ③	FROM WEAP ANALYSIS ESTIMATED HAMMER EFFICIENCY	FROM WEAP ANALYSIS EST.ULTIMATE BEARING VALUE <FROM CHART>	FROM PDA ANALYSIS MEASURED HAMMER EFFICIENCY	FROM PDA ANALYSIS EST.ULT. BEARING VALUE

NOTES CONCERNING ANY UNUSUAL FOUNDATION CONDITIONS

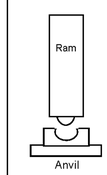
BENT NO.	FOOTING	PILE NO.	REMARKS

NOTES:
PAY LENGTH SHOULD INCLUDE ALLOWANCE FOR SPLICING STEEL PILES AND ANY OTHER AUTHORIZED ALLOWANCES.

NUMBERING PILES:
A SKETCH OF BENT OR FOOTING TO BE DRAWN ON THIS SHEET AND PILES TO BE NUMBERED, ALSO FLOW OF STREAM TO BE SHOWN.

① FOR COMPOSITE PILES, CONCRETE LENGTH
② FOR COMPOSIT PILES, CONCRETE TIP
③ OR FRACTION OF A FOOT IF REFUSAL IS OBTAINED

File No.		Project No. (PIN):	
County:		Route:	
Description:			
Contractor:			



Hammer

Manufacturer:		Model:	
Type:		Serial No.	
Rated Energy (k-ft)	at	Length of stroke (ft)	
Lead Size (in):			
Modifications:			

Note: Attach any hammer modification specifications. Manufacturer's Specifications may be required if hammer is not found in Wave Equation database.

Date of Last Maintenance:	
Type of Maintenance:	
Performed By:	

Striker Plate

Weight (kips):			
Diameter (in):		Thickness (in):	

Hammer Cushion

Description:

	Material Description	No. of Layers	Modulus of Elasticity (ksi)	Thickness (in)
1				
2				

Area (sq. in):		Total Thickness (in)	
Coefficient of Restitution:			

Pile Cap (Helmet)

Dimension:	
Pile Cap Weight (kips):	
Inserts Weight (kips):	

Pile Cushion

Material:			
Thickness (in.)		Area (sq. in):	
Modulus of Elasticity (ksi):			
Coefficient of Restitution:			

Pile

Pile Type/Size & Pile Point:			
Total Pile & Point Length (ft):		Exposed Pile Point Length (ft):	
Pile Cross-Sectional Area (sq.in):			
Pipe Pile Wall Thickness (in):			
Pile Tip Description:			
Splice Description:			
Splice Location From Pile Top (ft):			
Concrete Pile Strength, f'_c (psi):			
Steel Pile Yield Strength, F_y (ksi):			

Note: Within 30 calendar days after award of contract or no later than 30 days before driving the first pile, submit form and Pile Installation Plan to the Geotechnical Design Support Engineer, with copy to the Bridge Construction Engineer and RCE.

SCDOT – Preconstruction Support
Geotechnical Design Support Engineer
P.O. Box 191
Columbia, SC 29202-0191
Telephone (803) 737-1571
FAX (803) 737-0608

Submitted By:			
Title:			
Telephone No.	( )-	Date:	

Printed: Monday, June 23, 2008 1:46:52 PM