PILE DATA TABLE

Table Date 7-01-07

INSTALLATION CRITERIA								DESIGN CRITERIA							PILE CUT-OFF ELEVATIONS
PIER or BENT NUMBER	PILE SIZE (in.)	NOMINAL BEARING RESISTANCE (tons)	TENSION RESISTANCE (tons)	MINIMUM TIP ELEVATION (ft.)	PILE ORDER LENGTH (ft.)	REQUIRED JET ELEVATION (ft.)	REQUIRED PREFORM ELEVATION (ft.)	FACTORED DESIGN LOAD (tons)	DOWN DRAG (tons)	TOTAL SCOUR RESISTANCE (tons)	NET SCOUR RESISTANCE (tons)	100-YEAR SCOUR ELEVATION (ft.)	LONG TERM SCOUR ELEVATION (ft.)	RESISTANCE FACTOR-Ø	PILES 1 THRU 9
1	24	108	NA	-45	68	NA	-30	56	NA	NA	NA	-13.2	NA	0.65	2.6
2	24	108	NA	-45	68	NA	-30	56	NA	NA	NA	-13.2	NA	0.65	2.6

$$\frac{\text{Factored Design Load} + \text{Net Scour Resistance} + \text{Down Drag}}{\phi} \leq \text{Nominal Bearing Resistance}$$

TENSION RESISTANCE - The ultimate side friction capacity that must be obtained below the 100 year scour elevation to resist pullout of the pile (Specify only when design requires tension capacity).

TOTAL SCOUR RESISTANCE - An estimate of the ultimate static side friction resistance provided by the scourable soil.

NET SCOUR RESISTANCE - An estimate of the ultimate static side friction resistance provided by the soil from the required preformed or jetting elevation to the scour elevation.

100-YEAR SCOUR ELEVATION - Estimated elevation of scour due to the 100 year storm event.

LONG TERM SCOUR ELEVATION - Estimated elevation of scour used in design for extreme event loading.

PILE INSTALLATION NOTES:

Contractor to verify location of all utilities prior to any pile driving.

Minimum Tip Elevation is required for lateral stability.

No jetting will be allowed without the approval of the Engineer.

The Contractor should not anticipate being allowed to jet piles below the minimum tip elevation.

At each Bent, pile driving is to commence at the center of the Bent and proceed outward.

NOTES:

1. Embedded Data Collector (EDC) instrumentation shall be implemented in all piles. Refer to "Embedded Data Collector and Dynamic Load Test Requirements" Developmental Specification Section 455 and Standard Index 20602.
2. Perform Dynamic load tests as outlined in the "Embedded Data Collector and Dynamic Load Test Requirements" Developmental Specification Section 455 on the first pile driven in each Bent.

BRIDGE NO. XXXXXX

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATES
DRAWN BY	ABC	MO-YR
CHECKED BY	DEF	MO-YR
DESIGNED BY	GHI	MO-YR
CHECKED BY	JKL	MO-YR
APPROVED BY	MNO	

ENGINEER OF RECORD:
EOR Name, P.E.
Registration/P.E. No. 000000
Engineering Co. Name/Logo
Address
Certificate of Authorization No.

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
XXX	XXXX	123456-1-52-12

SHEET TITLE: PILE DATA TABLE PROJECTS WITHOUT TEST PILES

PROJECT NAME: DETAILING MANUAL EXAMPLES

SHEET NO. EX-9b