

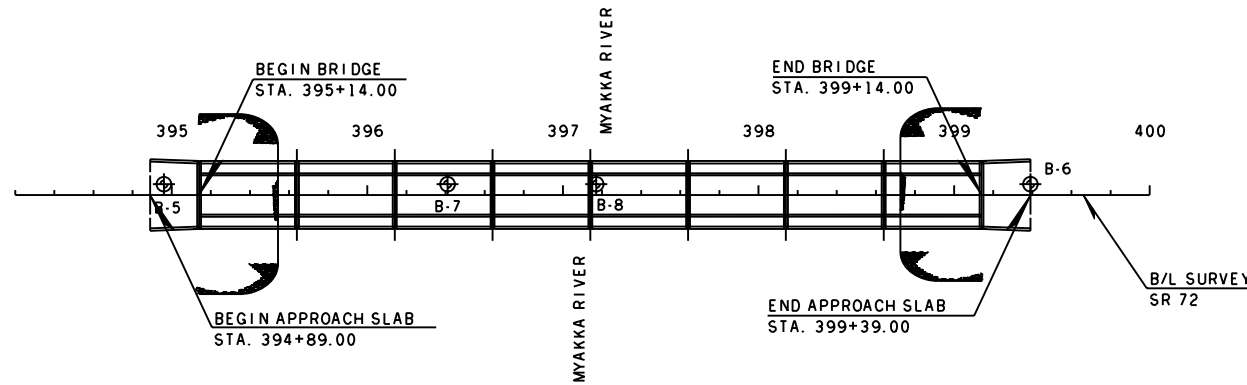
1. BORING LOCATIONS (INCLUDING STATIONS AND OFFSETS) PRESENTED HEREIN WERE ESTIMATED MEASURING DISTANCES FROM STATION REFERENCES AS INDICATED ON THE DRAWINGS PROVIDED BY FDOT, ALONG WITH THE USE OF THE EXISTING FDOT BENCHMARKS. BORING ELEVATIONS WERE ALSO ESTIMATED USING THE EXISTING BENCHMARKS AND INFORMATION PROVIDED BY FDOT. THESE BORING LOCATIONS AND ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE SINCE THEY WERE NOT PRECISELY SURVEYED BY PSI.
2. CORROSION TEST RESULTS WERE PROVIDED BY FDOT.

BORING LOCATION PLAN



LOCATION	
TOWNSHIP:	37 S
RANGE:	20 E
SECTION:	28

Latitude: 27.23467657 North
Longitude: -82.31148722 West



LEGEND

- (SP/SP-SM), LIGHT BROWN/BROWN/GRAY/DARK GRAY/ GREEN FINE SAND TO SLIGHTLY SILTY FINE SAND
- (SM), BROWN/DARK BROWN/GRAY/GREEN SILTY FINE SAND
- (SM-SC), GRAY/GREEN SILTY TO CLAYEY FINE SAND
- (SC), BROWN/DARK BROWN/GRAY/GREEN CLAYEY FINE SAND
- (OL), BROWN ORGANIC SILT WITH WOOD FRAGMENTS
- (ML), BROWN CLAYEY SILT
- (CL), BROWN SILTY CLAY
- (MH/CH), GRAY/GREEN CLAYEY SILT TO SILTY CLAY
- (WLS), LIGHT BROWN/GRAY HIGHLY WEATHERED LIMESTONE, FREQUENTLY WITH CALCAREOUS CLAY
- GRAY/GREEN CEMENTED CALCAREOUS SANDS AND SHELLS

NOTES:

- WATER TABLE
- NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION. (UNLESS OTHERWISE NOTED.)

50/6" FIFTY BLOWS FOR SIX INCHES

WH FELL UNDER WEIGHT OF ROD AND HAMMER

← LOSS OF CIRCULATION (%)

|| CASING USED

-200 FINES PASSING NO. 200 SIEVE (%)

NMC NATURAL MOISTURE CONTENT (%)

OC ORGANIC CONTENT (%)

LL LIQUID LIMIT (%)

PI PLASTICITY INDEX (%)

NP NON PLASTIC

⊕ APPROXIMATE SPT BORING LOCATION

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: MODERATELY AGGRESSIVE
(RESISTIVITY=2000 OHMS-CM, SULFATES=484 PPM)

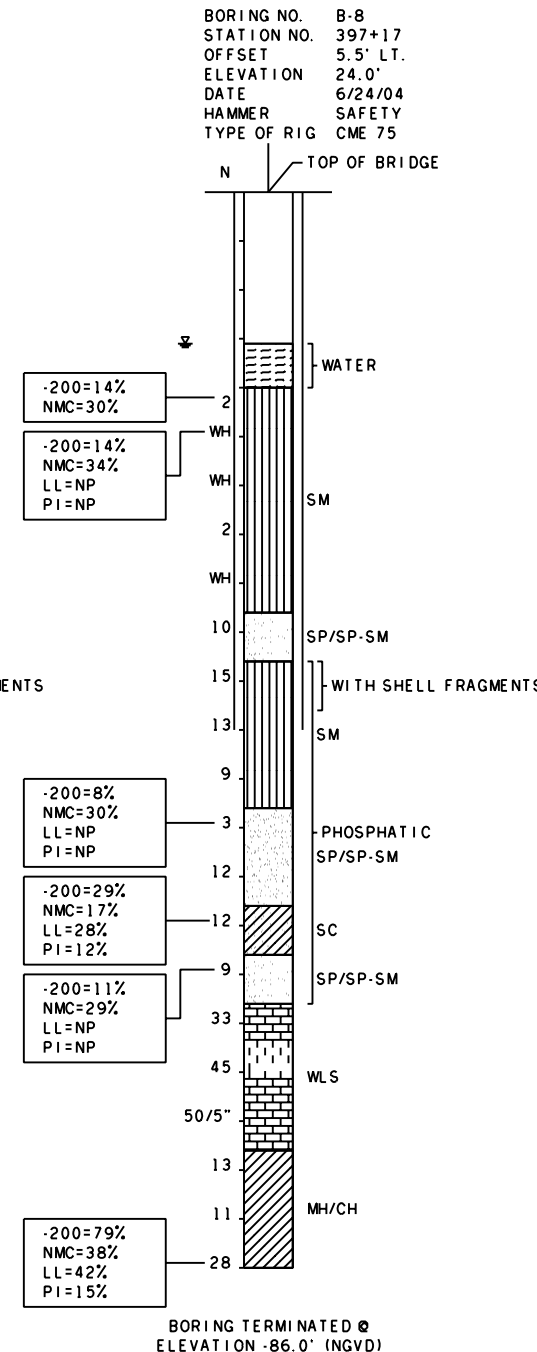
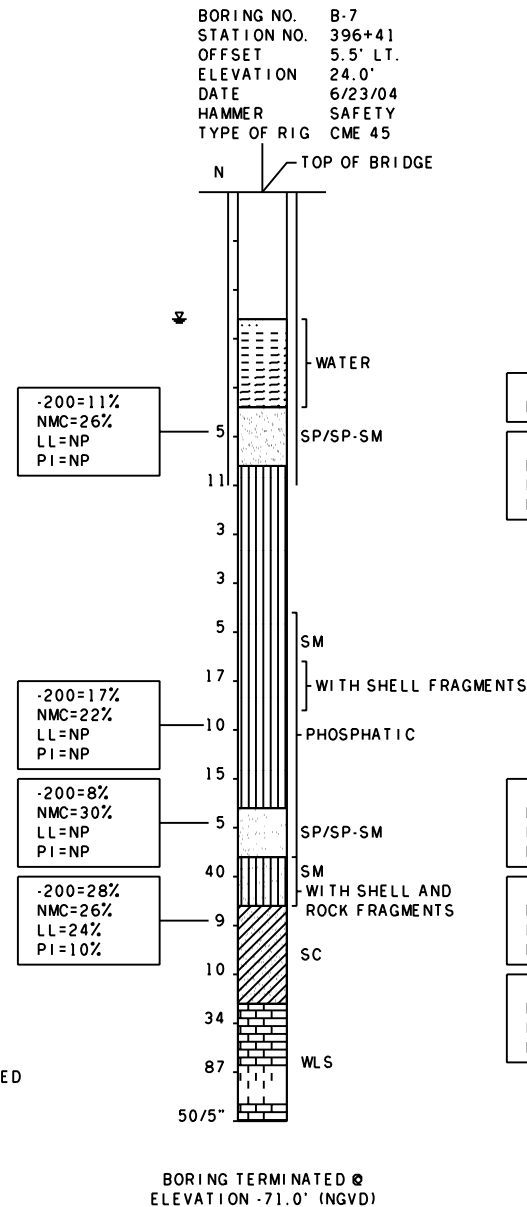
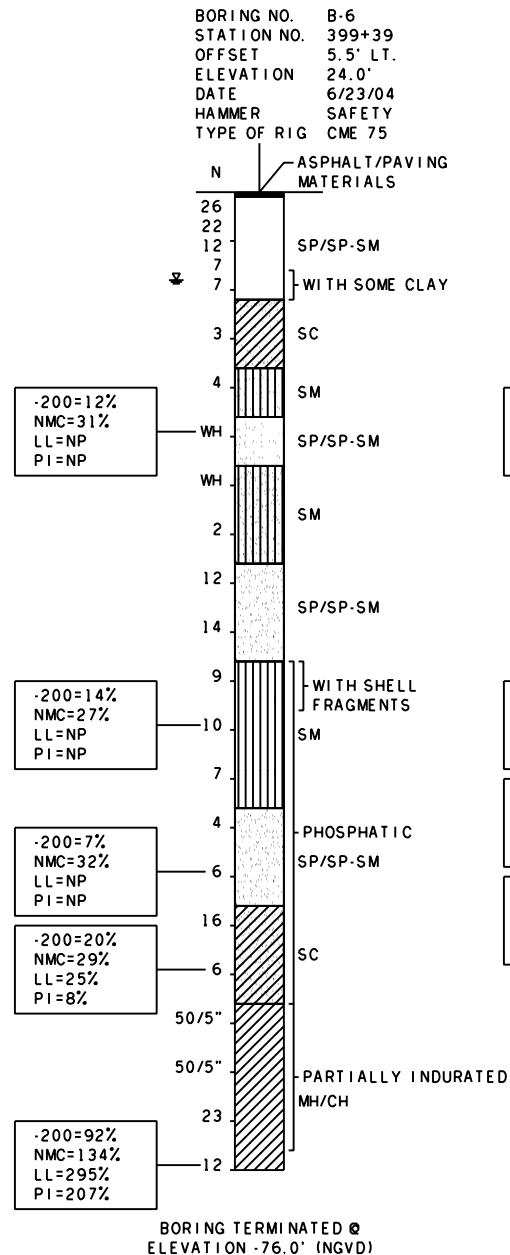
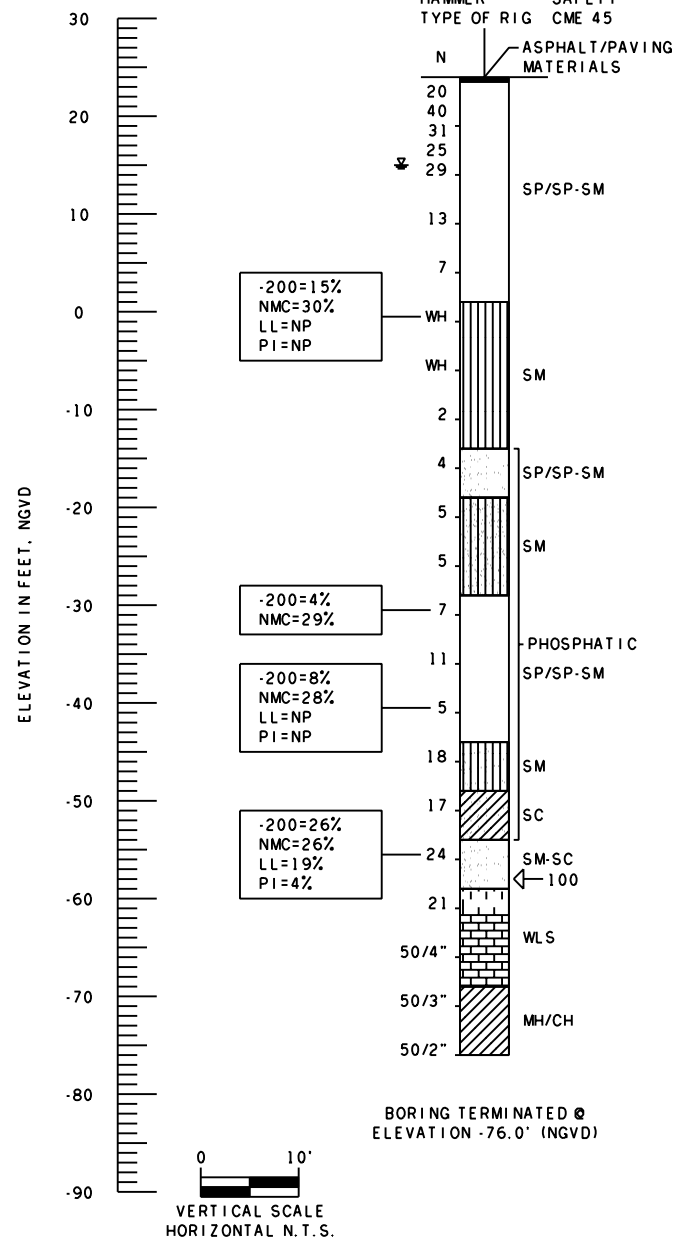
SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE

WATER

RESISTIVITY: 2000 OHMS-CM
CHLORIDES: 40 PPM
SULFATES: 484 PPM
pH: 7.4

GRANULAR MATERIALS- RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 4
LOOSE	5-10
MEDIUM	11-30
DENSE	31-50
VERY DENSE	GREATER THAN 50
SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 2
SOFT	3-4
FIRM	5-8
STIFF	9-15
VERY STIFF	16-30
HARD	GREATER THAN 30

MYAKKA RIVER (BRIDGE NO. 170044)



REVISIONS

Date	By	Description	Date	By	Description

Drawn by	Name	Date
Checked by	DIG	7/04
Designed by	KL	7/04
Checked by		
Approved by	KEVIN W-K LO.P.E.	



PROFESSIONAL SERVICE INDUSTRIES, INC.
5801 BENJAMIN CENTER DR., SUITE 112
TAMPA, FL 33634
(813) 886-1075
FLORIDA ENGINEERING CERTIFICATE
OF AUTHORIZATION No. 3684

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
SR 72	SARASOTA	413887-2-52-01

SHEET TITLE:

REPORT OF CORE BORINGS

PROJECT NAME:

SR 72 BRIDGE REPLACEMENT

SHEET NO.

COMPONENTS OF CONTRACT PLANS SET
STRUCTURE PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 413887-2-52-01
SARASOTA COUNTY (17070)
STATE ROAD NO. 72

INDEX OF STRUCTURES PLANS

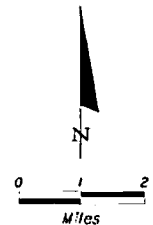
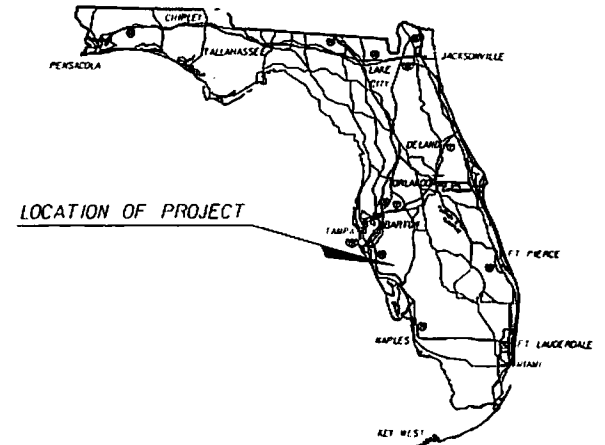
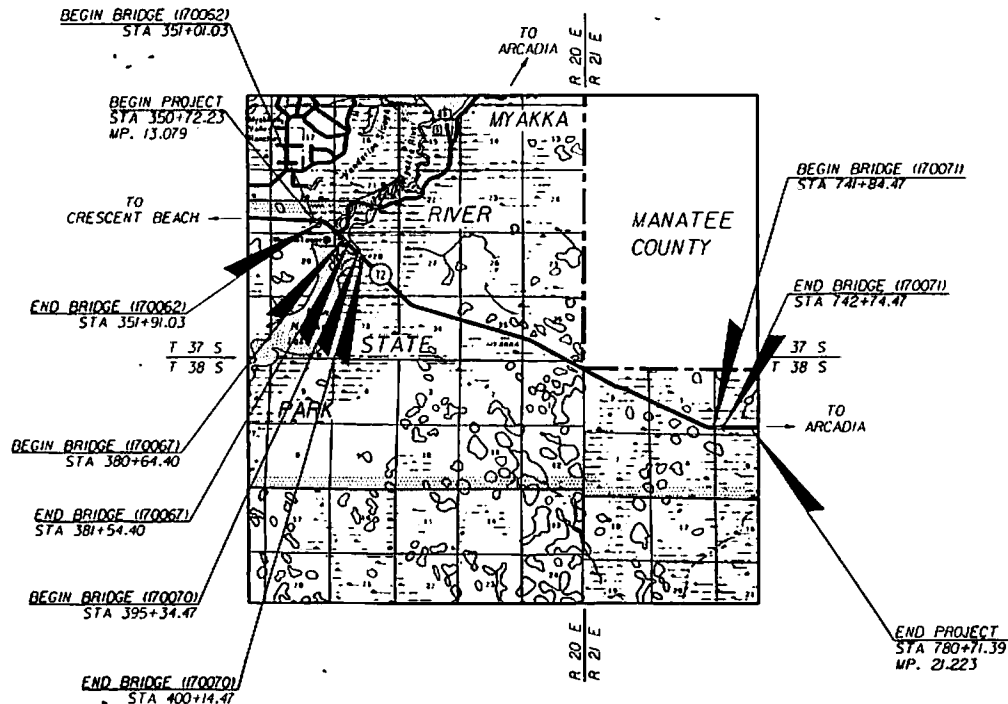
SHEET NO. SHEET DESCRIPTION

A1	KEY SHEET
A2-A15	INDEX OF SHEETS
B1-B10	SR 72 OVER VANDERPIE SLOUGH BRIDGE PLANS (BRIDGE NO. 170062)
C1-C17	SR 72 OVER MYAKKA RIVER OVERFLOW BRIDGE PLANS (NO. 170067)
D1-D20	SR 72 OVER MYAKKA RIVER BRIDGE PLANS (BRIDGE NO. 170070)
E1-E17	SR 72 OVER DEER PRAIRIE SLOUGH BRIDGE PLANS (NO. 170071)
F1-F17	RETAINING WALL SHEETS
G1-G20	EXISTING BRIDGE PLANS

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2004,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE 2004 INTERIM STANDARDS
INDEX NO. SHEET NO. INDEX DATE

For Interim Standards click on "Design Standards" at the
following web site: <http://www.dot.state.fl.us/roadsign>



PLANS PREPARED BY: DISTRICT 1 STRUCTURES
DEPARTMENT

STRUCTURES ENGINEER
OF RECORD: GERARD MOLLIERE, P.E.
P.E. NO.: 45735

60 % SUBMITTAL
NOT FOR CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	42,999.16	8.144
BRIDGES	750.00	0.142
NET LENGTH OF PROJECT	42,249.16	8.002
EXCEPTIONS	00,000.00	0.000
GROSS LENGTH OF PROJECT	42,999.16	8.144

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION

FOOT PROJECT MANAGER: TONY HAILEY

Rev 12/15/05 40