

COMPONENTS OF CONTRACT PLANS SET
ROADWAY PLANS
SIGNING AND PAVEMENT MARKINGS
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	DRAINAGE MAP
4-5	ROADWAY TYPICAL SECTION
6-7	ROADWAY GENERAL NOTES
8	SUMMARY OF QUANTITIES
9	BENCHMARKS & REFERENCE POINTS
10-12	PLAN-PROFILES OR 765A
13	ROADWAY SOILS SURVEY
14-23	CROSS SECTIONS
24	STORMWATER POLLUTION PREVENTION PLAN
25-26	TRAFFIC CONTROL PLANS
27-29	UTILITY ADJUSTMENTS
30-31	ALUMINUM PEDESTRIAN/BICYCLE PICKET RAILING

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2006, AND
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

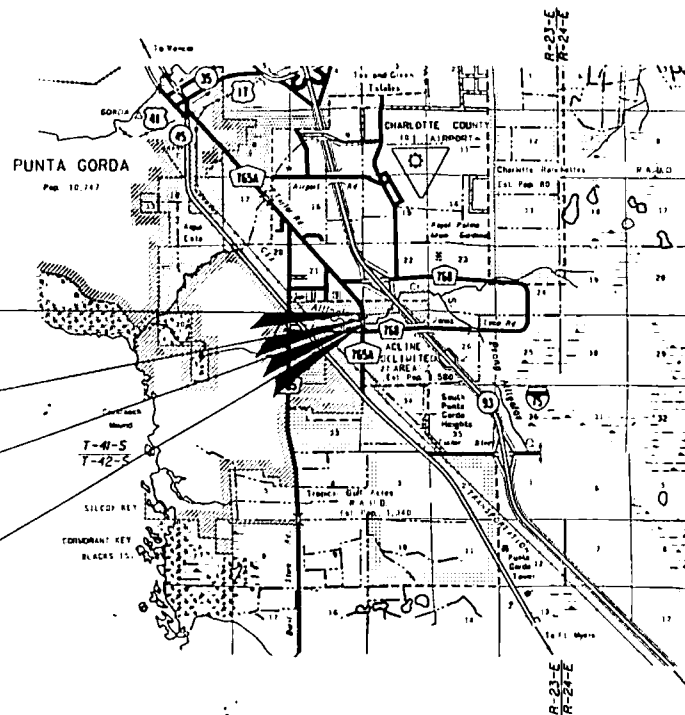
APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-06
For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/roaddesign>

REVISIONS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 198478-1-52-01
CHARLOTTE COUNTY (01530)
COUNTY ROAD NO. 765A (TAYLOR RD.)
BRIDGE NO. 014115



END PROJECT
STA 56+00
M.P. 5.871

END BRIDGE
STA. 52+89

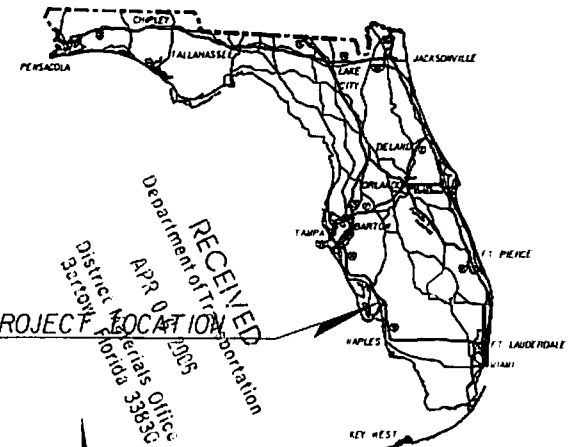
BEGIN BRIDGE
STA. 51+81

BEGIN PROJECT
STA 44+00
M.P. 5.644

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	1092.000	0.206
BRIDGES	108.000	0.020
NET LENGTH OF PROJECT	1200.000	0.226
EXCEPTIONS	0.000	0.000
GROSS LENGTH OF PROJECT	1200.000	0.226

FOOT PROJECT MANAGER: DAVID LONG, P.E. (PBS&J)



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

Gary J. Nadeau
Ayres Associates
2601 Cattleman Road, Suite 104
Sarasota, Florida 34232

PLANS PREPARED BY:

AYRES
ASSOCIATES

Engineers/Planners/Scientists
2601 Cattleman Road, Suite 104
Sarasota, Florida 34232
(941) 343-0532 Fax (941) 343-0493
Engineer Of Record - Gary J. Nadeau
Registration Number - 49629
Certificate of Authorization No. 4356
Contract No. C0645
Vendor No. 39-0965082

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

RECEIVED

MAR 17 2006

PBSJ, INC.
BARTOW

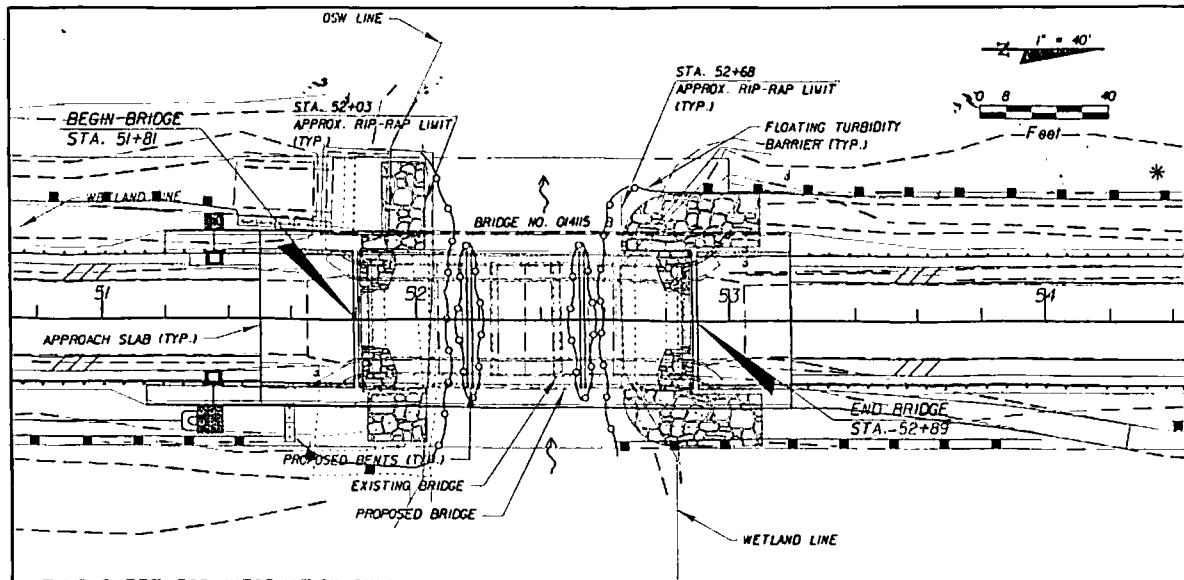
ROADWAY PLANS
ENGINEER OF RECORD:

Gary J. Nadeau, P.E.

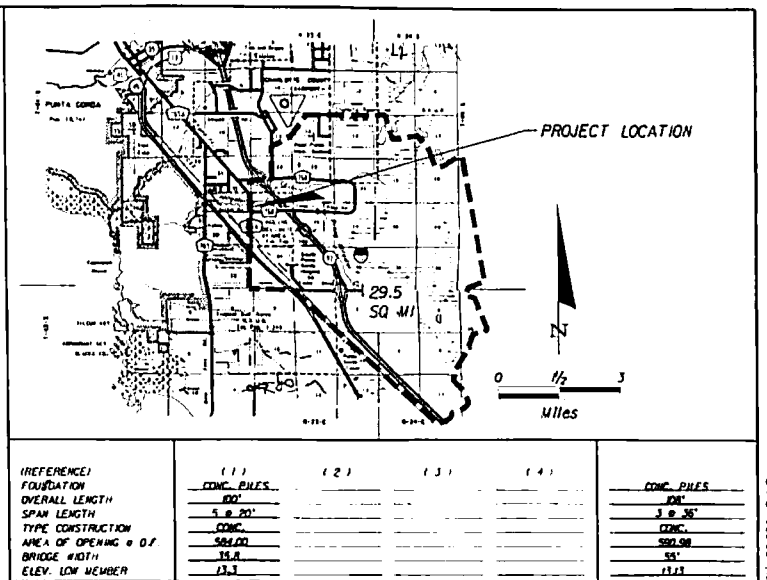
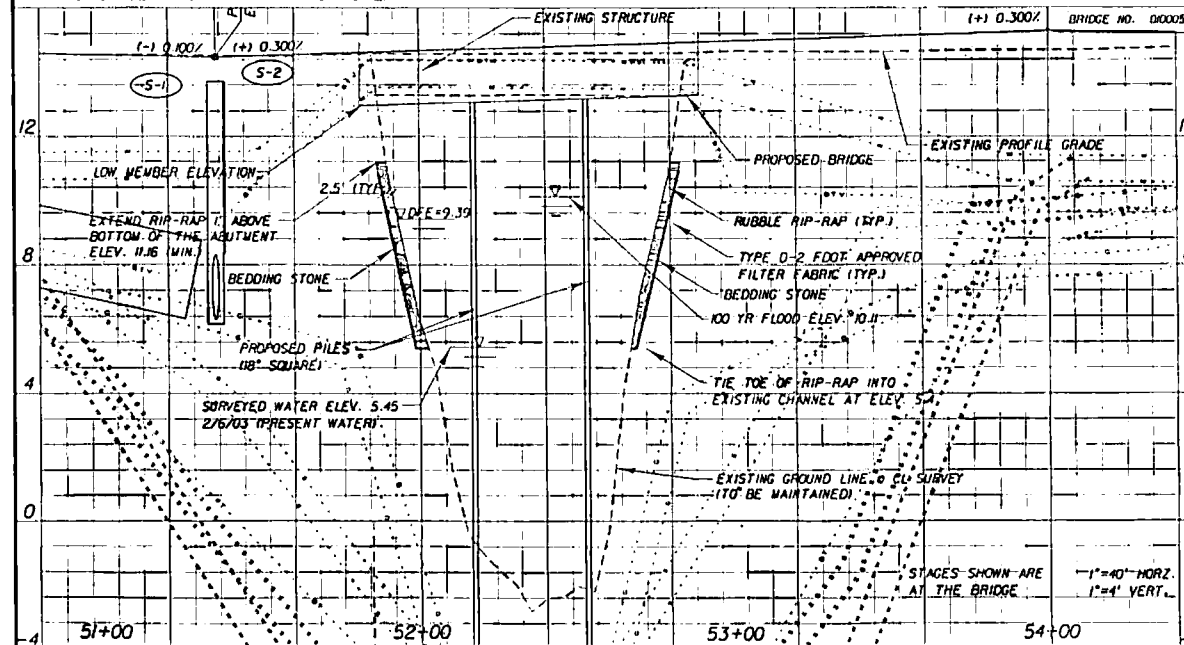
P.E. NO. 49629

PHASE IV SUBMITTAL
03/14/06

FISCAL YEAR	SHEET NO.
07	1



THIS SHEET FOR INFORMATION ONLY



REFERENCE FOUNDATION OVERALL LENGTH SPAN LENGTH TYPE CONSTRUCTION AREA OF OPENING @ OF BRIDGE WIDTH ELEV. LOW MEMBER

(1)	(2)	(3)	(4)	CONC. PILES
100'				10"
5.8.20'				3.8.26'
CONC.				CONC.
564.00'				564.00'
35.8				35.8
13.3				13.3

NOTE: The hydraulic data is shown for informational purposes only to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgments and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which cannot be obtained.

TERMS: Design Flood: Utilized to assure a desired level of hydraulic performance. Base Flood: Has a 1% chance of being exceeded in any given year (100 year frequency). Overlapping Flood: Causes flow over the highway, over a watershed divide, or thru emergency relief structures. Greatest Flood: The most severe that can be predicted where overlapping is not practicable.

WATER SURFACE ELEVATIONS: N.H.W. (100-Yr Flood) 6.24 M.H.W. (100-Yr) N/A CONTROL (100-Yr Flood) 5.0 M.H.W. (100-Yr) N/A

FLOOD DATA: MAX. EVENT OF RECORD DESIGN FLOOD BASE FLOOD STAGE ELEV. ABOVE 10' 8.30 9.08 10.25 DISCHARGE (CFS) 1370 160 1000 AVERAGE VELOCITY (FPM) N/A 4.50 5.51 EXCEEDANCE PROB. (%) N/A 2 1 0.2 FREQUENCY 1/YR 50 100 500

SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:

PIER INFORMATION LONG TERM SCOUR ELEV. WORST CASE < 100 YR. FREQ. 1/YR. 100 WORST CASE < 500 YR. FREQ. 1/YR. 500

NUMBERS 2 3 SIZE AND TYPE 18" SQUARE CONC. 18" SQUARE CONC. SLOPE: MATCH EXISTING SLOPE: MATCH EXISTING BURIED OR NON-BURIED HORIZ. TOE: B-2-D TOE HORIZ. DISTANCE: 4' LIMIT OF PROTECTION: STA. 51+55 TO STA. 52+03 STA. 52+56 TO STA. 52+89

HYDRAULIC RECOMMENDATIONS: 1. BEGIN BRIDGE STATION 51+81 END BRIDGE STATION 52+89 SKEW ANGLE 0° 2. CLEARANCE PROVIDED: NAV. HORIZ. 34.5 VERT. 8.39 ABOVE EL. 6.24 DRIFT: HORIZ. 34.5 VERT. 1.65 ABOVE EL. 9.48 3. MINIMUM CLEARANCE: NAV. HORIZ. 10 VERT. 8.24 ABOVE EL. 6.24 DRIFT: HORIZ. 10 VERT. 8.24 ABOVE EL. 9.48 4. ABUTMENTS: RUBBLE GRADE: BANK AND SHORE SLOPE: MATCH EXISTING SLOPE: MATCH EXISTING BURIED OR NON-BURIED HORIZ. TOE: B-2-D TOE HORIZ. DISTANCE: 4' LIMIT OF PROTECTION: STA. 51+55 TO STA. 52+03 STA. 52+56 TO STA. 52+89

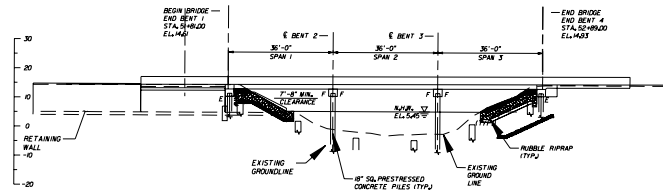
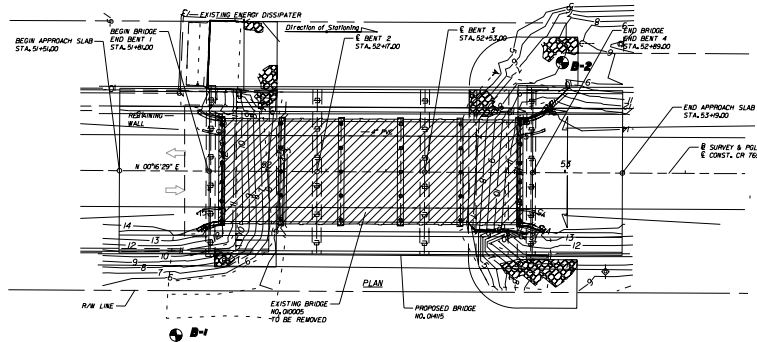
5. DECK DRAINAGE: SPREAD IS OBTAINED IN SHOULDER, RUNOFF CAPTURED BY INLET AND DIRECTED TO FLUME AT BEGIN BRIDGE.

REMARKS: ALL STAGE ELEVATIONS SHOWN IN THE HYDRAULIC DESIGN DATA ARE TAKEN FROM THE HYDROGRAPH SECTION AT RIVER STA. 70550. THE APPROACH SECTION (RIVER STA. 70550) IS 150' UPSTREAM OF THE UPSTREAM BRIDGE PIER.

REVISIONS				AYRES ASSOCIATES		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		BRIDGE HYDRAULIC RECOMMENDATIONS		SHEET NO.	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						CR 765A	CHARLOTTE	198478-1-52-01			B-13

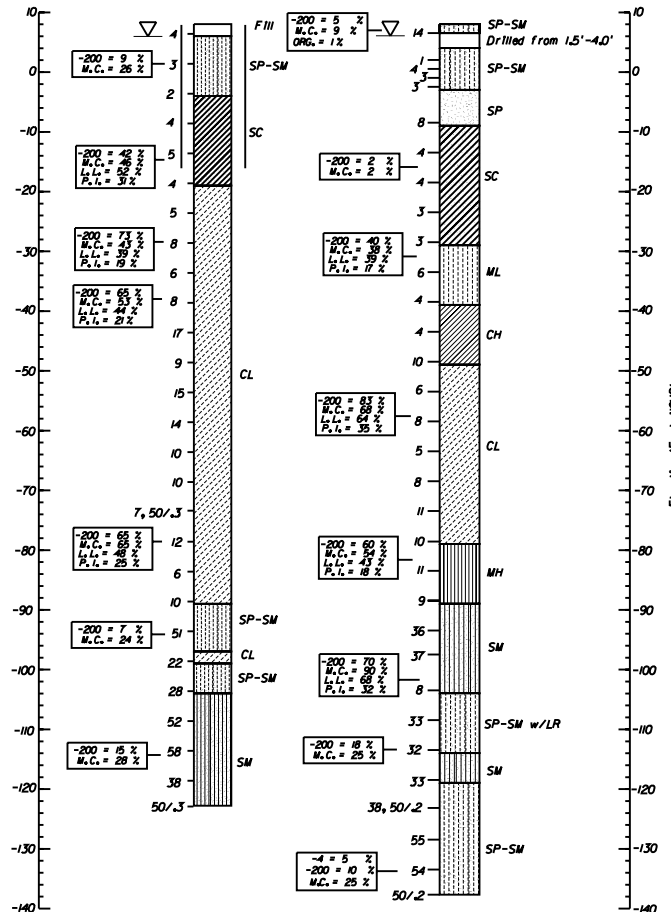
NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SAVED AND SEALED UNDER FILE 6005-23.001, F.A.C.

Latitude: 26.88594 North
Longitude: -82.00585 West



BORING NO. B-1
Sta. 51+70
55.0' RI.
Elev. 7.9'
10/28/03

BORING NO. B-2
Sta. 52+99
37.0' LI.
Elev. 8.02'
06/19/03



LEGEND

- SP = SP, Poorly graded sands and gravelly sands, little or no fines.
- SP-SM = SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- SM = SM, Silty sands, sand-silt mixtures.
- SC = SC, Clayey sands, sand-clay mixtures.
- ML = ML, Inorganic silts, very fine sands, rock flour, silty or clayey, fine sands.
- CL = CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- MH = MH, Inorganic silts micaceous or atomaceous fine sands or silts, elastic silts.
- CH = CH, Inorganic clays of high plasticity, fat clays.

NOTES

Numbers to the left of borings indicate SPT values for 12\"/>

▽ = Water Table

⊙ = SPT Boring Location

Type Rig = Automatic

Hammer Used = CME 75

All Elevations based on BM # TP 6, TB 7

BENCHMARK DESCRIPTION AND LOCATION

TP 6, Standard disk located in S.E. Wing Wall, Elevation 17.375'.
TB 7, Standard disk located in NW. Wing Wall, Elevation 17.398'.

Corrosion Series Test Results

Relativity	Chlorides	Sulfates	pH
Ons - cm	ppm	ppm	
1,300	400	44	7.4 (At Bridge)
5,600	40	<1	6.6 (Down Stream)

ENVIRONMENTAL CLASSIFICATION

Superstructure = Slightly Aggressive

Substructure = Moderately Aggressive

GRANULAR MATERIALS-

Relative Density	Safety Number	Automatic Number
	SPT N-value	SPT N-value
Very Loose	Less than 4	Less than 3
Loose	4 - 10	3 - 7
Medium or Compact	10 - 30	7 - 30
Dense	30 - 50	30 - 50
Very Dense	Greater than 50	Greater than 30

SILTS AND CLAYS-

Consistency	Safety Number	Automatic Number
	SPT N-value	SPT N-value
Very Soft	Less than 2	Less than 1
Soft	2 - 4	1 - 3
Firm	4 - 8	3 - 6
Stiff	8 - 15	6 - 10
Very Stiff	15 - 30	10 - 20
Hard	Greater than 30	Greater than 20

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAME	DATE
DML	08/05
MEN	08/05
DML	08/05
MEN	08/05
Mary E. Hayford, P.E.	

ENGINEER OF RECORD:
Mary E. Hayford, P.E. #5481
186.51 549-4225
FLA. DEPT. OF TRANSPORTATION
MATERIALS OFFICE
300 N. Broward Ave.
Boca Raton, FL 33431
863.99-4246

FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 765A	CHARLOTTE	198478-1-52-01

SHEET TITLE:

REPORT OF CORE BORINGS

PROJECT NAME	SHEET NO.
CR 765A ALLIGATOR CREEK BRIDGE #014115	