

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS
LIGHTING PLANS (NOT INCLUDED IN THIS SUBMITTAL)
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1-2	NOTES TO REVIEWER
1-5	SUMMARY OF PAY ITEMS
1-9	DRAINAGE MAP
1-3	SUPPLEMENTARY DRAINAGE
1-10	TYPICAL SECTION
1-5	SUMMARY OF QUANTITIES
1-2	SUMMARY OF DRAINAGE STRUCTURES
1	OPTIONAL MATERIALS TABULATION
1	GENERAL NOTES
1-2	PROJECT LAYOUT
1-7	REFERENCE POINTS
1-79	ROADWAY PLAN
1-85	ROADWAY PROFILE
1-30	SPECIAL DITCH PROFILES
1-30	BACK-OF-SIDEWALK PROFILE
1-3	INTERSECTION DETAIL
1-229	DRAINAGE STRUCTURES
1-103	RETENTION/DETENTION FUND
1	ROADWAY SOIL SURVEY
1-85	CROSS SECTIONS
1-51	DRIVEWAY CROSS SECTIONS
1-2	STORMWATER POLLUTION PREVENTION PLAN
1-15	TRAFFIC CONTROL PLANS
1-77	UTILITY ADJUSTMENT

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2005,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7-1-05

For Design Standards modifications click on
"Design Standards" in the following web site:
<http://www.dot.state.fl.us/standards/>

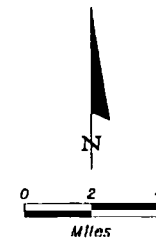
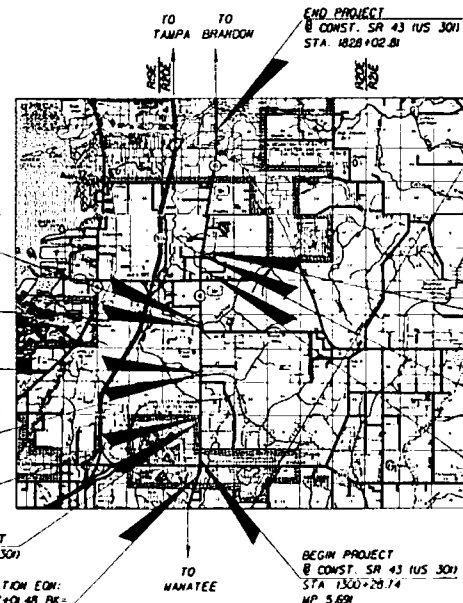
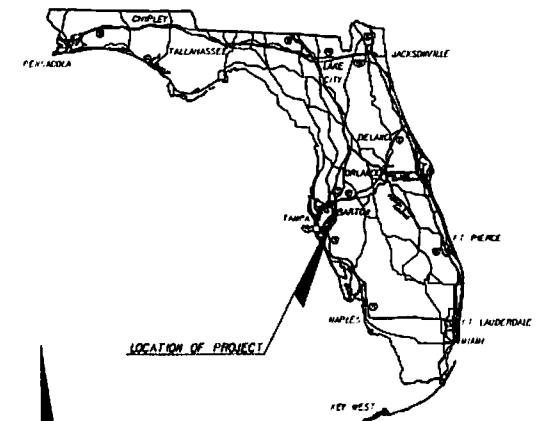
CONTRACT PLANS REVISIONS
FINANCIAL PROJECT ID #5489-1-52-01
COMPONENT Sheets

Revised Date

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 415489-1-52-01
(FEDERAL FUNDS)
HILLSBOROUGH COUNTY (10010)
STATE ROAD NO. 43 (US 301)
FROM SR 674 TO GIBSONTOWN DR.



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
TRACY A. HOOD, P.E.
HDR ENGINEERING, INC.
2202 N. WEST SHORE BLVD., SUITE 250
TAMPA, FL 33607
PHONE (813) 208-2300
FAX (813) 208-2449

PLANS PREPARED BY:

HDR ENGINEERING, INC.
2202 N. WEST SHORE BLVD., SUITE 250
TAMPA, FL 33607
CONTRACT NO. C-8704
VENDOR NO. VT-40600568
FBPR CERTIFICATION OF
AUTHORIZATION NO. 4213

HDR
HDR Engineering, Inc.

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

PHASE II (60%) SUBMITTAL

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	52269.03	9.899
BRIDGES	505.00	0.096
NET LENGTH OF PROJECT	52774.03	9.995
EXCEPTIONS	0	0
GROSS LENGTH OF PROJECT	52774.03	9.995

FDOT PROJECT MANAGER: GORDANA JOVANOVIC

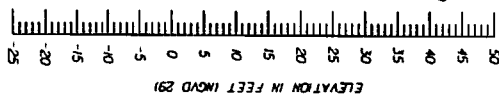
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: TRACY A. HOOD, P.E.

P.E. NO.: 40027

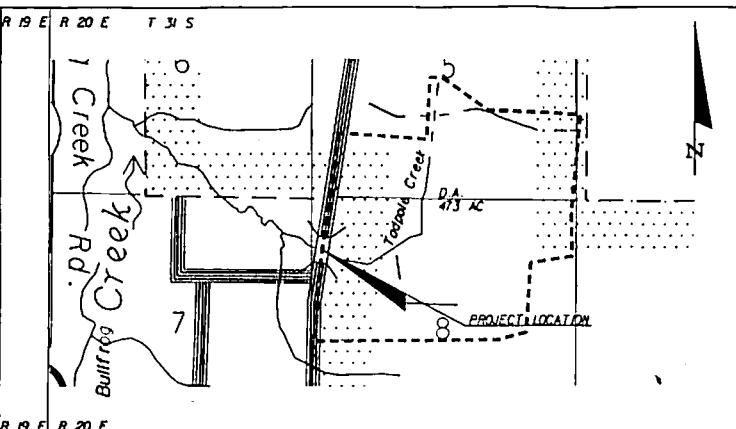
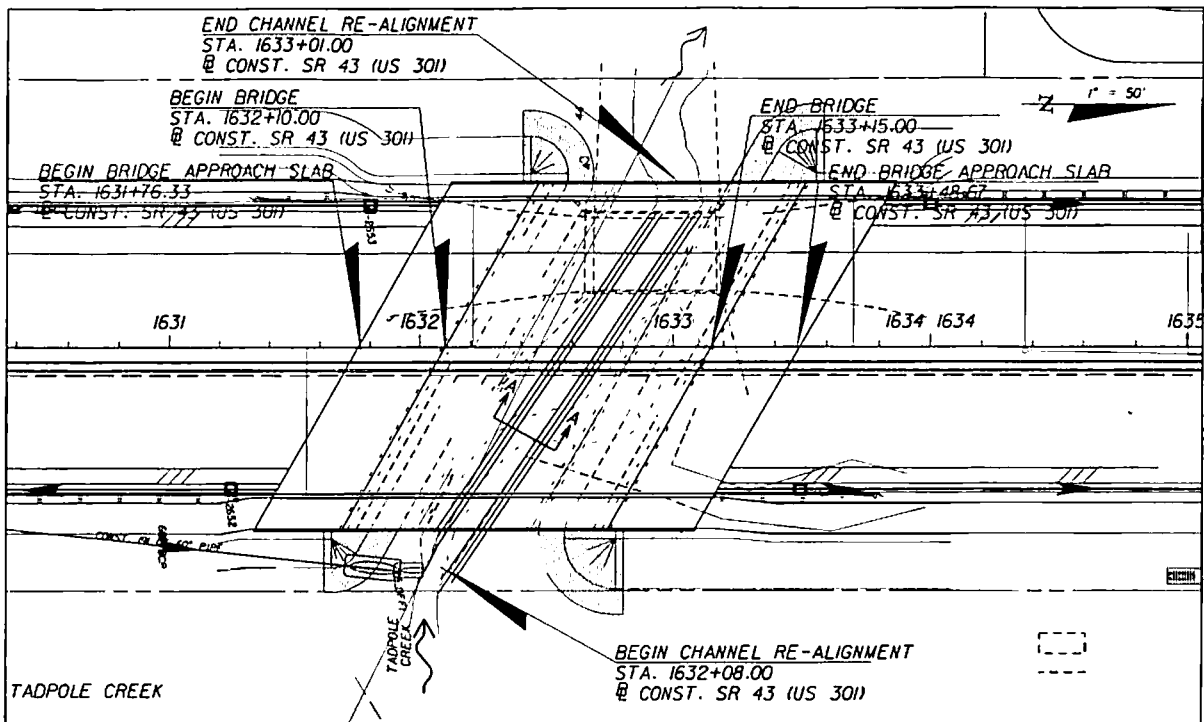
FISCAL YEAR	SHEET NO.
07	1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6005-21.003, F.A.C.



	ENVIRONMENTAL	CLASSIFICATION:
SUBSTRUCTURE	CONCRETE MODERATELY AGGRESSIVE	(SULFURIC ACID)
SUBSTRUCTURE	MODERATELY AGGRESSIVE	(ACIDIC WASTEWATER)
SUPERSTRUCTURE	SLOIGHTLY AGGRESSIVE	(ALKALINE WASTEWATER)
SOIL RESULTS	1,800 OHMS-CM	
RESISTIVITY	196 PPM	
SULFATES	6.4	
PH		
WATER RESULTS	4,700 OHMS-CM	
RESISTIVITY	45 PPM	
SULFATES	17.2 PPM	
PH	7.4	

J
4
HAN 50
J
2
HAN 30



REFERENCE	EXISTING STRUCTURES				PROPOSED STRUCTURE
	(1) PILE BENT	(2)	(3)	(4)	
FOUNDATION	#5				20
OVERALL LENGTH	2-30.75 FT				2-30 FT 1-8 FT
SPAN LENGTH	FLAT SLAB				PRESTRESSED SLAB
TYPE CONSTRUCTION	178				151
AREA OF OPENING @ D.F.	34				151
BRIDGE WIDTH	48.1				46.2
ELEV. LOW MEMBER					

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 HEC-10 factors determined by a study of the watershed. Some 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 precipitation 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. (Non-Flood)		N.H.W. (Flood)	N.H.W. (Flood)		
CONTROL (Non-Flood)		N/A	N/A		
FLOOD DATA:					
MAX. EVENT OF RECORD		DESIGN FLOOD	BASE FLOOD	OVERTOPPING @ GREATEST FLOOD	
STAGE ELEV. MOVD (ft)		43.25	43.58	44.40	
DISCHARGE (cfs)		922	1000	1,300	
AVERAGE VELOCITY (ft/s)		2.35	2.53	2.77	
EXCEEDANCE PROB. (%)		5	1	0.2	
FREQUENCY (yr.)		50	100	500	
SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:					
PIER INFORMATION		LONG TERM	TOTAL SCOUR ELEVATION		WORST CASE < 500 yr.
MEMBERS		SCOUR ELEV.	FREQ. (yr.)		FREQ. (yr.)
2 x 3		34.3	30.3		30.2

