



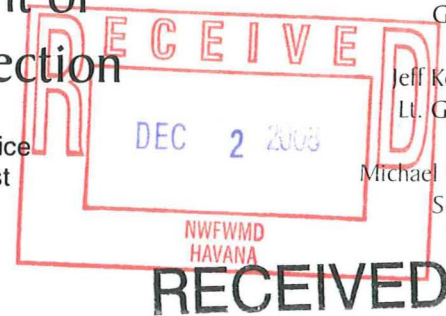
# Florida Department of Environmental Protection

Northwest District Branch Office  
630-3 Capital Circle Northeast  
Tallahassee, Florida 32301

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary



## CERTIFIED - RETURN RECEIPT REQUESTED

August 29, 2008

Florida Department of Transportation  
c/o Joy Giddens  
1074 Highway 90  
Chipley, Florida 32428

ENVIRONMENTAL MANAGEMENT  
OFFICE

SEP 02 2008

Dear Ms. Giddens:

Enclosed is a Consolidated Wetland Resource Permit and Sovereign Submerged Lands Authorization, Permit/Authorization No. 65-0281553-001-DF, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you as the permittee and for any affected third party are described in the text of the permit along with conditions which must be met when permitted activities are undertaken. Please review this document carefully to ensure compliance with both the general and specific conditions contained herein. If you have any questions, please contact Stephen Murphy at the letterhead address or by calling (850) 488-3704.

Sincerely,

Marlane Castellanos  
Branch Manager

MC/sm

Encl: Wetlands Resource Permit  
Approved drawings

cc: U.S. Army Corps of Engineers  
Wakulla County Building Department



# Florida Department of Environmental Protection

Northwest District Branch Office  
630-3 Capital Circle Northeast  
Tallahassee, Florida 32301

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## CONSOLIDATED WETLAND RESOURCE PERMIT AND SOVEREIGN SUBMERGED LANDS AUTHORIZATION

**PERMITTEE/AUTHORIZED ENTITY:**

Florida Department of Transportation  
c/o Joy Giddens  
1074 Highway 90  
Chipley, Florida 32428

**Permit/ Authorization Number:**

65-0281553-001-DF  
Date of Issue: August 29, 2008  
Expiration Date: August 29, 2013  
County: Wakulla  
Project: Bridge Replacement

This permit is issued under the authority of Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain a Consolidated Wetland Resource Permit. The Department is responsible for reviewing and taking final agency action on this activity.

This activity also requires a proprietary authorization, as the activity is located on sovereign submerged lands owned by the Board of Trustees of the Internal Improvement Trust Fund, pursuant to Article X, Section 11 of the Florida Constitution, and Sections 253.002 and 253.77, F.S. The activity is not exempt from the need to obtain a proprietary authorization. The Department has the responsibility to review and take final action on this request for proprietary authorization in accordance with Section 18-21.0051, F.A.C. In addition to the above, this proprietary authorization has been reviewed in accordance with Chapter 253, F.S., Chapter 18-21, F.A.C., and Section 62-312.065, F.A.C.

As staff to the Board of Trustees, the Department has reviewed the activity described below, and has determined that the activity requires a public easement, Department of Transportation Number 40898, for the use of those lands, pursuant to Chapter 253.77, Florida Statutes. The Department intends to issue the easement, subject to the recommended fees and conditions in the previously issued Consolidated Intent to Issue a Permit. Additionally, this bridge will be granted a temporary Letter of Consent since it is a "scour critical bridge." This temporary authorization is granted for "emergency" projects pursuant to Rule 18-21.005(1)(c)(14). The permittee shall obtain a public easement for this subject bridge replacement project from the Division of State Lands, sovereign submerged lands number 640232631, prior to construction.

The final documents required to execute the easement will be sent to the Division of State Lands. The Department intends to issue the easement, upon satisfactory execution

of those documents. **You may not begin construction of this activity on state-owned, sovereign submerged lands until the Department issues a sovereign submerged authorization for this project.**

This permit constitutes a determination, pursuant to Section 380.0651(3)(e), F.S., that the facility is located so that it will not adversely impact Outstanding Florida Waters.

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency. You are hereby advised that authorizations also may be required by other Federal, State, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

The above named permittee is hereby authorized to construct the work shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof. **This permit and authorization to use sovereign submerged lands is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the enclosed 15 General Conditions and 16 Specific Conditions, which are a binding part of this permit and authorization.** You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

#### **ACTIVITY DESCRIPTION:**

The project is to construct a new Wakulla River Bridge to replace a dilapidated old bridge. All bridge construction must be in accordance with the enclosed stamped drawings. The project consists of constructing a 54 feet wide by 390 feet long by 11 feet high bridge. The new bridge will be located 60 feet north of the old bridge. The decision to place the bridge to the north of the old bridge was based on the results of a cost and feasibility analysis submitted by the engineers that designed the bridge. The results of the engineer's analysis showed that the north site was the most feasible site to place the bridge. A French drain system will collect stormwater coming from the bridge road surfaces. This system should enhance the water quality in the Wakulla River. The project will impact 1.3 acres of forested wetlands, 0.68 acres of herbaceous wetlands, and 0.32 acres of submerged aquatic vegetation (SAV).

The applicant provided mitigation to offset the wetland impacts by using a mitigation bank managed by the Northwest Florida Water Management District (NFWFMD).

2.33 mitigation credits will be used to purchase a 7 acre wetland portion of the Ferrell property. An additional 5 acres of upland buffer on the Ferrell property was purchased overall totaling 12 acres. The Ferrell property is located adjacent to the Wakulla Springs State Park, which was identified by the Department of Parks and Recreation as essential for the ecological well-being of the springs. In March 1, 2007, the NFWFMD gave final approval for this mitigation in accordance with Section 373.4137, F.S., using Umbrella, Watershed-based Regional Mitigation Plan (UWRMP), project number 5.7.3.

#### **ACTIVITY LOCATION:**

The project is located at State Road 30 (U.S. Highway 98) near St. Marks, Florida, Section RS5, Township 3 South, Range 1 East, Latitude/Longitude: 30° 10' 32.35" North, 84° 14' 42.86" West, Wakulla County. The effected waterbody is the Wakulla River, a Class III Water of the State, Outstanding Florida Water, and part of the Big Bend Seagrasses Aquatic Preserve.

#### **GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or

operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

a. Have access to and copy any records that must be kept under conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. A description of and cause of noncompliance; and

b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising

under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500).

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;

4. the person responsible for performing the analyses;
5. the analytical techniques or methods used; and
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

#### **SPECIFIC CONDITIONS:**

1. The permittee is hereby advised that Florida law states: "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Department of Environmental Protection under Chapter 253, F.S., until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use." Pursuant to F.A.C., Rule 18-14, if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.
2. If during the progress of this project prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, shall contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section Chapter 872.05, Florida Statutes.
3. At least 48 hours prior to commencement of work authorized by this permit, the permittee shall notify the Department of Environmental Protection, Tallahassee Branch Office, 630-3 Capital Circle Northeast, Tallahassee, Florida 32301, in writing. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 488-3704 during normal working hours.

4. The terms, conditions, and provisions of the required easement shall be met. Construction of this activity shall not commence on sovereign submerged lands, title to which is held by the Board of Trustees of the Internal Improvement Trust Fund, until all required easement documents have been executed to the satisfaction of the Department.

5. If the approved permit drawings conflict with the specific conditions, then the specific conditions shall prevail.

6. The permittee shall at all times during construction work and until stabilization is achieved, control erosion, turbidity, and sedimentation into adjacent waters and wetlands by placement of suitable temporary erosion control barriers. Turbidity devices shall be installed prior to any dredging and filling operations. Turbidity containment devices shall be installed around the waterward portion of the project site. Staked filter cloth, backed up where needed by hay bales, shall be positioned at the edge of all permitted fill slopes that are adjacent to wetlands in order to prevent turbid run-off and erosion. Erosion control barriers shall remain in place and be maintained in effective condition until dredging and filling operations are completed, disturbed areas are stabilized, and turbidity levels have fallen below the state standard at the project site. Thereafter, the permittee shall remove the barriers within 14 days.

7. Turbidity containment devices shall be monitored daily during construction operations to ensure that the devices remain in effective condition. The project site shall be inspected daily, during all phases of dredging and filling work authorized by this permit, to ensure that there are no water quality violations.

8. At no time shall there be any discharge in violation of the water quality standards in Chapter 65-302, F.A.C. Best management practices for erosion control shall be implemented and maintained at all times during construction work to protect all wetlands and water bodies, both at the project site and outside the specific limits of construction authorized by this permit, from erosion, siltation, scouring, dewatering and/or turbid discharges in excess of State water quality standards. Methods include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding or mulching, staged construction, and installation of turbidity screens around the immediate project site.

The following measures shall be taken immediately by the permittee whenever turbidity levels within Waters of the State surrounding the project are elevated above the Florida standard:

- a. Immediately cease all work contributing to the water quality violation.
- b. Stabilize all exposed soils contributing to the violation. Modify the work



procedures that were responsible for the violation and install more turbidity containment devices and repair any non-functioning turbidity containment devices.

- c. Notify the Bureau of Submerged Lands and Environmental Resources and the DEP Tallahassee Branch office within 24 hours of the time the violation is first detected.
9. All storage or stockpiling of tools or materials (i.e. lumber, pilings, etc.) shall be limited to uplands or within the impact areas authorized by this project.
10. Any damage to wetlands/littoral zone area as a result of the construction work shall be corrected by restoring pre-construction elevations and then planting vegetation of the size, densities and species that exist in the adjacent areas. The restoration shall be completed within 30 days of completion of the construction work.
11. All construction work shall be in accordance with the specifications shown on the attached permit drawings.
12. All access routes and staging areas shall be conducted in the uplands. No work is authorized by this permit in wetlands or other Waters of the State outside of the immediate construction area.
13. The permittee shall obtain a Florida Department of Historical Resources clearance letter stating that all of their conditions have been complied with before commencing construction.
14. The permittee shall obtain a public easement, sovereign submerged lands number 640232631, for this subject bridge replacement project from the Division of State Lands prior to construction.
15. The permittee shall purchase 12 acres of the Ferrell property, which includes 7 acres of wetlands and 5 acres of upland buffer, as referenced under UWRMP project number 5.7.3., within 9 months of the date of permit issuance.
16. All other necessary State, Federal, or local permits or authorizations must be applied for and received prior to initiation of work.

#### **RIGHTS OF AFFECTED PARTIES:**

This permit and intent to grant an easement on sovereign submerged lands are hereby granted. This action is final and effective on the date filed with the Clerk of the Department unless a sufficient petition for an administrative hearing is timely filed

under Sections 120.569 and 120.57, F.S., as provided below. If a sufficient petition for an administrative hearing is timely filed, this action automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Therefore, on the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. The actual terms of the easement will be formally executed at a later date and shall include such other provisions as normally are included in such an easement. Because an administrative hearing may result in the reversal or substantial modification of this action, the applicant is advised not to commence construction or other activities until the deadlines noted below for filing a petition for an administrative hearing or request for an extension of time have expired and until the easement has been executed and delivered.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

If a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Intervention will be permitted only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

In accordance with Rules 28-106.111(2) and 62-110.106(3)(a)(4), F.A.C., petitions for an administrative hearing by the applicant must be filed within **14 days** of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within **14 days** of publication of the notice or within **14 days** of receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who has

asked the Department for notice of agency action may file a petition within **14 days** of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.


Under Sections 120.569(2)(c) and (d), F.S., a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

This permit constitutes an order of the Department. Subject to the provisions of Paragraph 120.68(7)(a), F.S., which may require a remand for an administrative hearing, the applicant has the right to seek judicial review of the order under Section 120.68, F.S., by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the

appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the order is filed with the Clerk of the Department. The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of the order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Executed this 29<sup>th</sup> day of August, 2008 in Tallahassee, Florida.  
Expiration Date: August 29, 2013

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

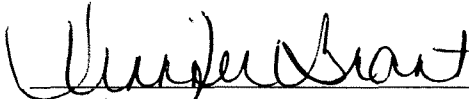
  
Marlane Castellanos  
Branch Manager

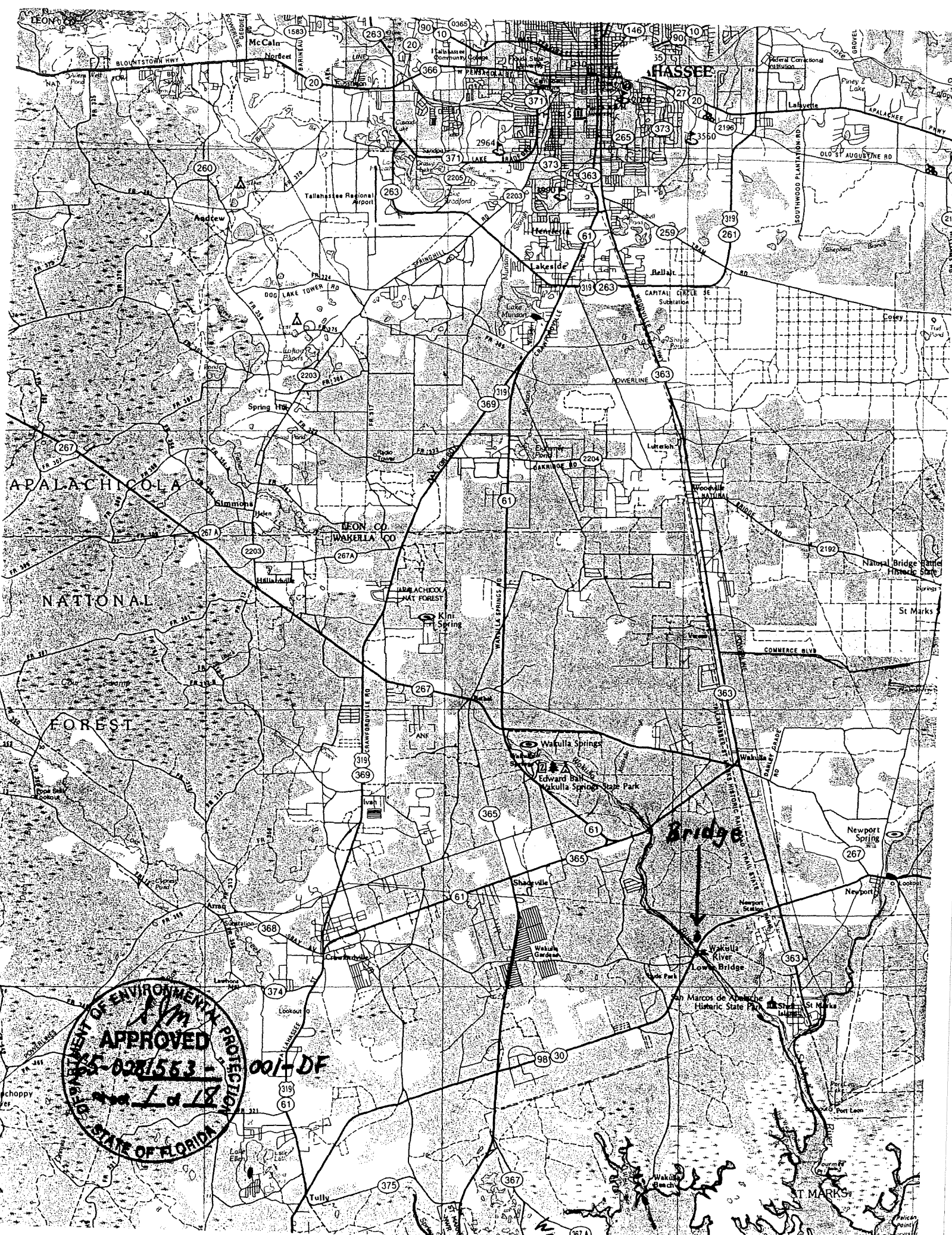
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy clerk hereby certifies that this permit and authorization to use sovereign submerged lands, including all copies were mailed before the close of business on August 29, 2008 to the above listed persons.

**FILING AND ACKNOWLEDGMENT**

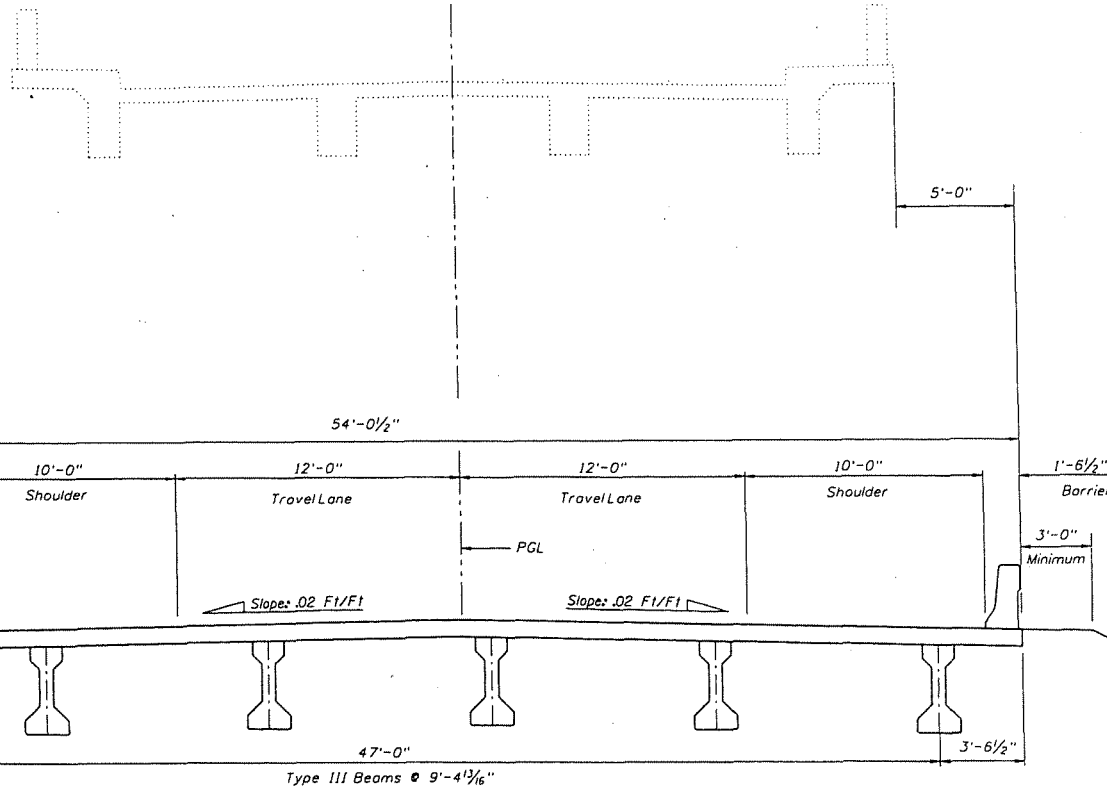
FILED, on this date, pursuant to 120.52(7),  
Florida Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

 8-29-08  
Clerk Date



DEPARTMENT OF ENVIRONMENTAL PROTECTION  
APPROVED  
65-0287563  
001-DF  
STATE OF FLORIDA

EXISTING BRIDGE



PROPOSED BRIDGE

TALLAHASSEE BRANCH OFFICE  
D.E.P.

AUG 21 2007

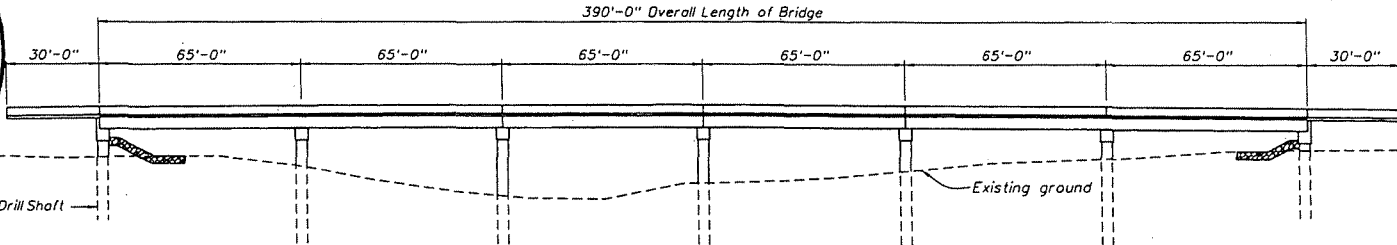
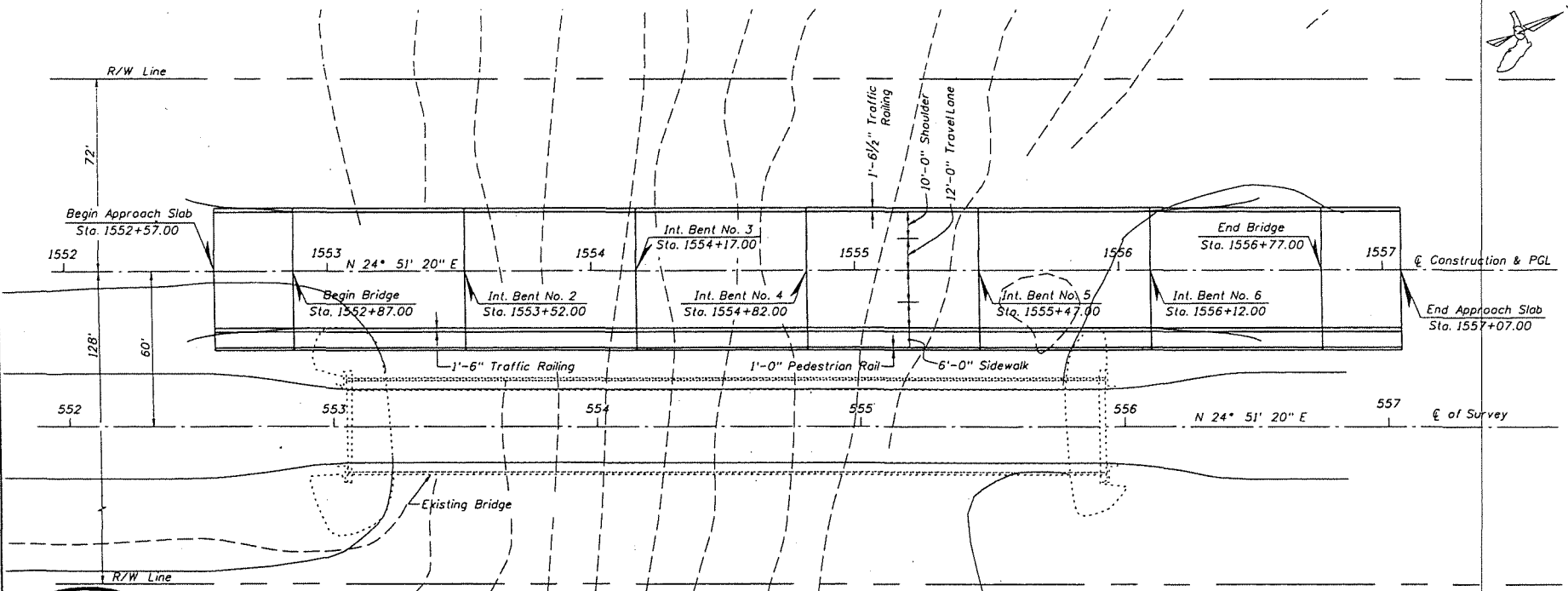
RECEIVED

Estimated P.G.L. = Low Member Elevation + Beam Height + Slab + Haunch + Slope

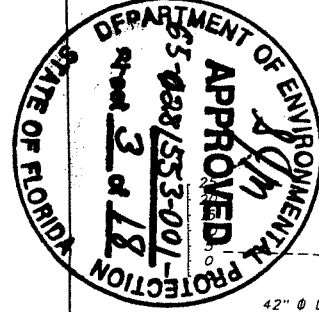
Estimated P.G.L. = 12.00' + 3.75' + 8.5"/12 + 3"/12 + 27(0.02)

Estimated P.G.L. = 17.25' ==> Use 17.300'

REVISIONS				ENGINEER OF RECORD		FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE	
Date	By	Description	Date	By	Description	ROAD NO.	COUNTY	FINANCIAL PROJECT #	PROJECT NAME	SHEET NO.
						US 98	WAKULLA	220499-1-52-01	U.S. 98 OVER WAKULLA RIVER	



25  
20  
15  
10  
5  
0  
-5



DF

TALLAHASSEE BRANCH OFFICE

D.E.P.

MAR 21 2007

RECEIVED

NEW BRIDGE NO. 590064

REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS	
NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION

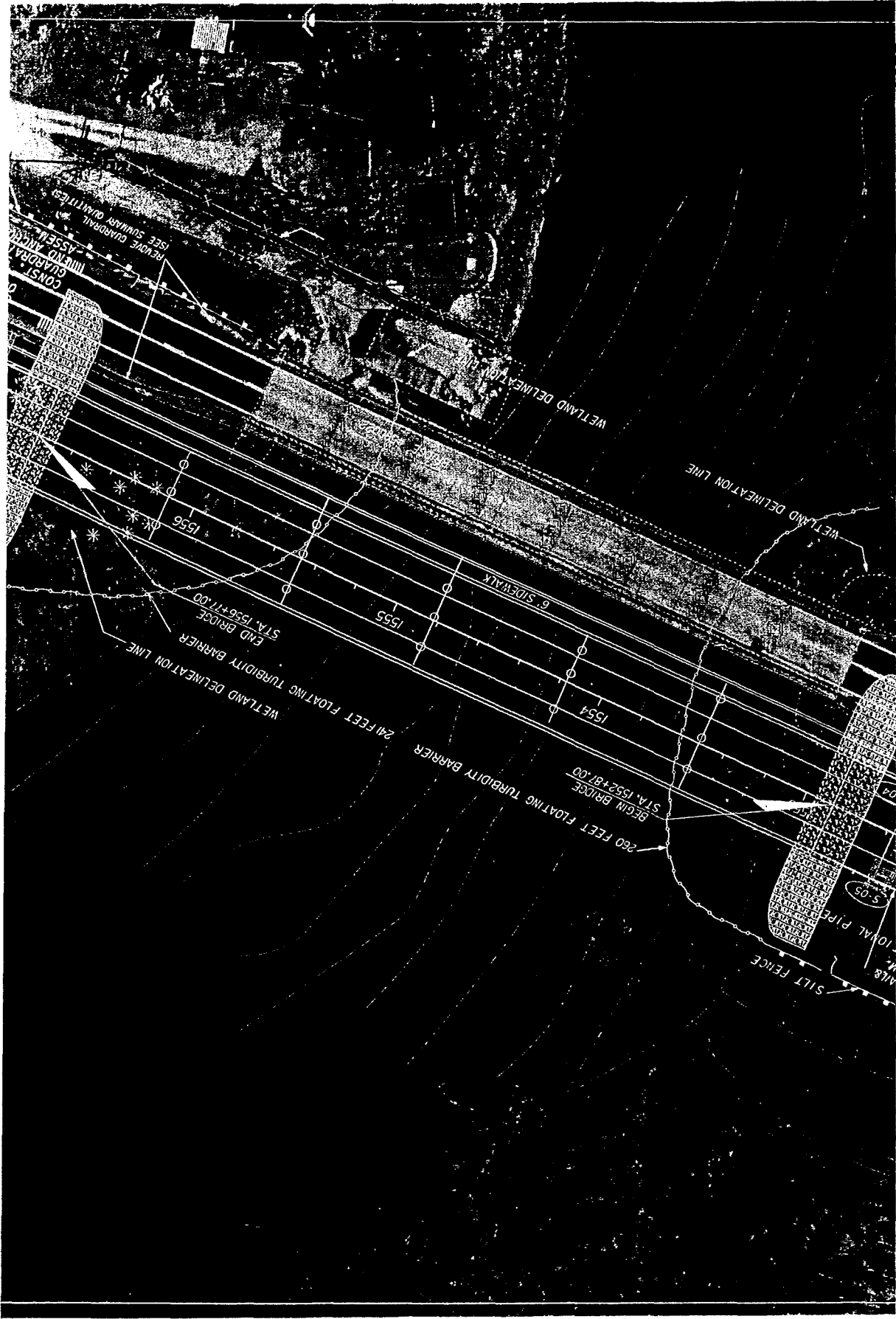
DRAWN BY: PAR  
 CHECKED BY: DKS  
 DESIGNED BY: DKS  
 APPROVED BY: DKS

ENGINEER OF RECORD:  
 STRUCTURES DESIGN OFFICE  
 DISTRICT 3  
 P.O. Box 607  
 Chipley, Florida 32428  
 DARRELL K. SHORES  
 P.E. No. 12660

FLORIDA DEPARTMENT OF TRANSPORTATION  
 ROAD NO.: SR 30  
 COUNTY: WAKULLA  
 FINANCIAL PROJECT ID: 220499-1-52-01

SHEET TITLE: PLAN & ELEVATION  
 PROJECT NAME: SR 30 OVER WAKULLA BRIDGE  
 SHEET NO.: 81-4

STATE OF FLORIDA  
ENVIRONMENTAL PROTECTION  
APPROVED  
8/11/05  
5-0281553-  
001-05  
Sheet 4 of 18



TALLAHASSEE  
D.E.P.  
BRANCH OFFICE



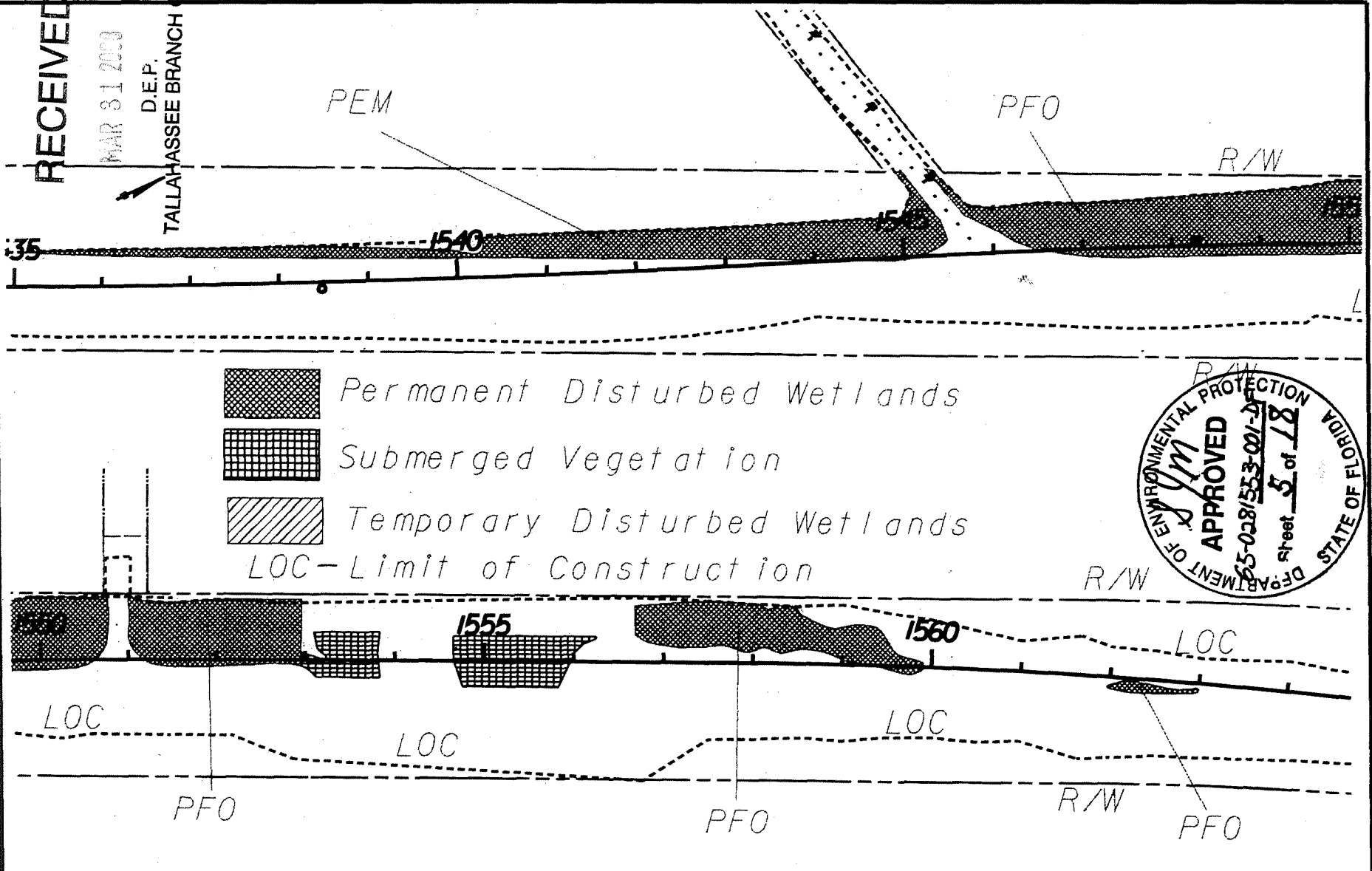
PEM = palustrine emergent  
 PFO = palustrine forested


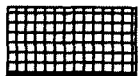

RECEIVED

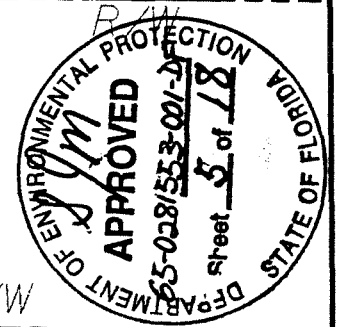
MAR 31 2000

D.E.P.

TALLAHASSEE BRANCH OFFICE



-  Permanent Disturbed Wetlands
-  Submerged Vegetation
-  Temporary Disturbed Wetlands
- LOC - Limit of Construction



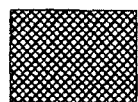
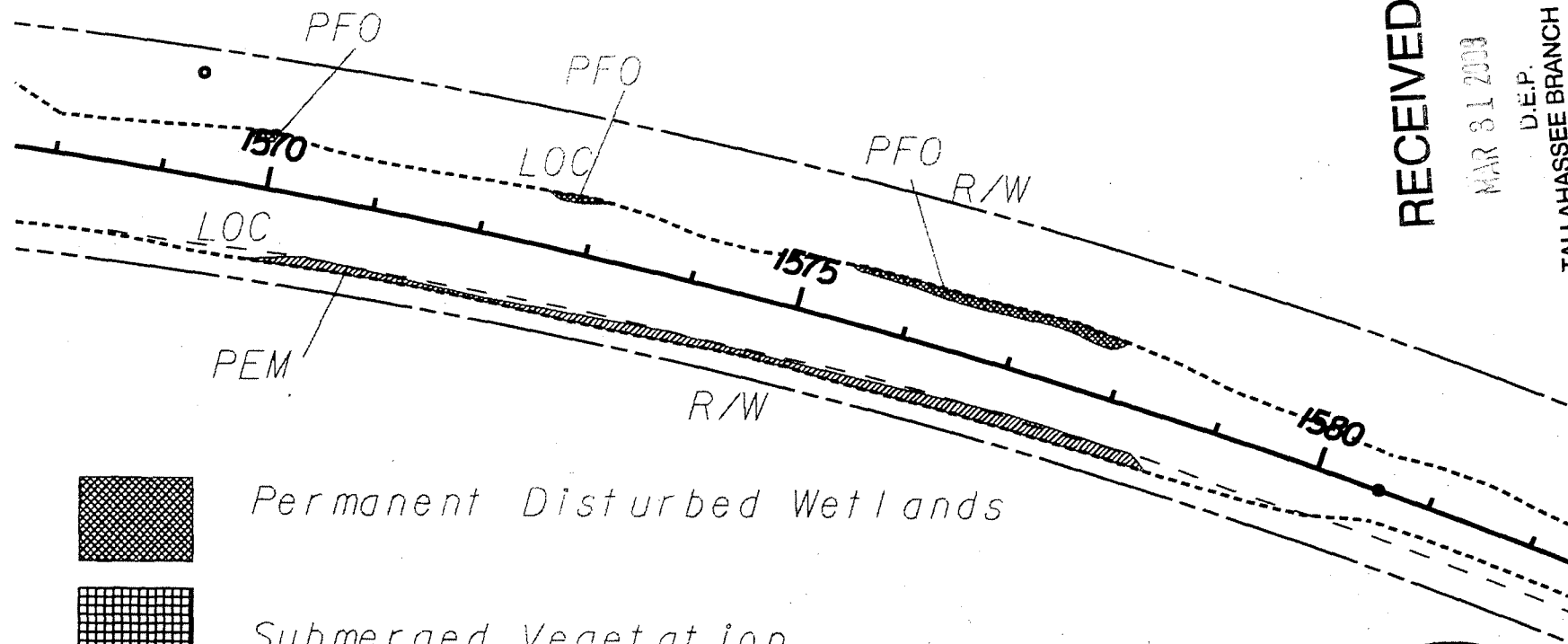
Total Permanent Disturbed Wetlands = 1.98 ac.  
 Total Submerged Vegetation (SAV) = 0.32 ac.  
 Total Temporary Disturbed Wetlands = 0.15 ac.

PEM = palustrine emergent  
 PFO = palustrine forested

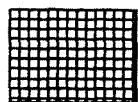
RECEIVED

MAR 31 2003

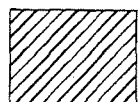
D.E.P.  
 TALLAHASSEE BRANCH OFFICE



Permanent Disturbed Wetlands

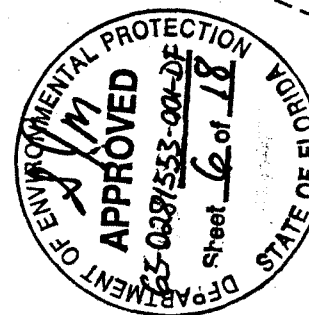


Submerged Vegetation



Temporary Disturbed Wetlands


LOC - Limit of Construction



Total Permanent Disturbed Wetlands = 1.98 ac.  
 Total Submerged Vegetation (SAV) = 0.32 ac.  
 Total Temporary Disturbed Wetlands = 0.15 ac.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			Page 2 of 2	SHEET B
DATE	BY	FUNCTION		

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name US 98 Wakulla River Bridge replacement		Application Number DEP = 65-0281553-001-DF COE = SAJ-2007-5337(IP-AWP)		Assessment Area Name or Number Forested wetlands	
FLUCCs code 615-Stream and Lake Swamps		Further classification (optional) USFWS classification = PFO6/4C		Impact or Mitigation Site? Impact	
Assessment Area Size 1.3 ac.					
Basin/Watershed Name/Number St.Marks River watershed		Affected Waterbody (Class) Type III in swales - OFW at river		Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) immediately adjacent to OFW river	
<u>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</u> Immediately adjacent to Wakulla River and along US 98, east of the bridge. Connected to roadside swales on south side, and uplands and residences on north side.					
<u>Assessment area description</u> The assessment area is adjacent to the north side of the road, in and out of the floodplain of the Wakulla River. The FDOT owns the right of way, but it is not mowed or maintained. There is a mixture of hardwoods: bays, water hickory, slash pine, red maple. Some exotic vines were observed. Residential homes are located outside of the ROW, on the north side of the forested wetlands.					
<u>Significant nearby features</u> Wakulla River			<u>Uniqueness (considering the relative rarity in relation to the regional landscape.)</u> none		
<u>Functions</u> Provides habitat within river floodplain. Controls erosion. Helps buffer noise from the road to the near-by houses.			<u>Mitigation for previous permit/other historic use</u> N/A		
<u>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found )</u> all types of birds, crayfish, frogs, snakes, squirrels			<u>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)</u> none anticipated		
<u>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):</u> finches, cardinal, crayfish stacks, squirrels					
Additional relevant factors: 					
Assessment conducted by: Joy Giddens			Assessment date(s): 3/14/2008		
<b>RECEIVED</b>					

MAR 31 2008

D.E.P.  
TALLAHASSEE BRANCH OFFICE

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name US 98 Wakulla River Bridge replacement	Application Number DEP = 65-0281553-001-DF = SAJ-2007-5337(IP-AWP)	COE	Assessment Area Name or Number Forested wetlands
Impact or Mitigation Impact	Assessment conducted by: Joy Giddens		Assessment date: 3/14/2008

<b>Scoring Guidance</b>
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

<b>Optimal (10)</b>	<b>Moderate(7)</b>	<b>Minimal (4)</b>	<b>Not Present (0)</b>
Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support	The assessment area is located on the north side of US 98, within the DOT right-of-way. Forested wetlands and uplands are located immediately adjacent to the assessment area, and continues off site to the north. One residence is located on the north side of the river, approximately 100 feet. A two-lane roadway is located on the south side. A small swale is also on the south edge of the assessment area to carry runoff from the swales and roadway into the Wakulla River. The proposed project will align the bridge and it's approaches in this area. A swale will be created to carry runoff from the swales and roadway approaches to the Wakulla river. A French drain is being installed on either side of the bridge to treat stormwater from the bridge and approaches before releasing water to the swales. Birds, frogs, and squirrels were observed in the field.
w/o pres or current	with
8	0

.500(6)(b) Water Environment (n/a for uplands)	The Wakulla River is located in the middle of the assessment area. The river edge is somewhat steep on the east side and more gradual on the west. The majority of the area is wet due to seasonal flooding of the river. A swale provides water during rain events. The Wakulla River is an Outstanding Florida Water (OFW). A public boat ramp is located on the south side of the bridge, so boat traffic is moderate at this location. A private canoe business is located south of the boat ramp. Little disturbance has occurred in the assessment area. Forested wetlands located away from the river are of the same diversity and quality, with little encroachment from people. These wetlands receive their water from tributaries off of the river. The new bridge impacts these wetlands due to the alignment shifting to the north. The remaining wetlands will receive the same amount of water as before, and no change will occur to Land Use. The addition of a French drain on either side of the bridge will improve the water quality of the river by treating the stormwater runoff before discharging. The current bridge allows water to run directly into the river. The existing approaches have swales, and the new approaches will have swales.
w/o pres or current	with
8	0

.500(6)(c) Community structure	There is a mixture of hardwoods: bays, water hickory, slash pine, and red maple. Not much understory due to the dense tree cover. Some exotic vines were observed (Japanese climbing fern). The assessment area is within the DOT right of way, but mowing is not done here. A small swale exists, but it is not sodded. Instead, it has a few wetland grasses and a lot of leaf litter in it. Beyond the assessment area, the hardwoods continue in the same density to the north. A couple of residences are located in this area, but human disturbance is minimal. The impacts will require the removal of the hardwoods where fill and bridge abutments will be placed. The remaining hardwoods within the right-of-way will not be cleared or thinned. The forested wetlands are of suitable size to sustain the wildlife, and introduction of exotic/nuisance plants will not occur. No new homes, driveways, or businesses are to occur. The new bridge and roadway will have the same number of travel lanes as existing. An increase in traffic is not expected.
1. Vegetation and/or 2. Benthic Community	
w/o pres or current	with
8	0

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.8	0

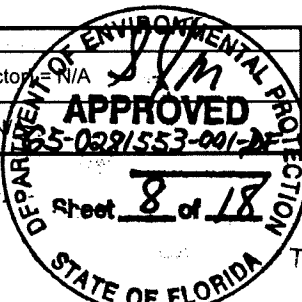
If preservation as mitigation,
Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

For impact assessment areas
FL = (-0.8)delta x (1.3)acres = - 1.04

Delta = [with-current]
-0.8

If mitigation
Time lag (t-factor) = N/A
Risk factor = N/A

For mitigation assessment areas
FL = (-0.8)delta (t-factor x risk) = N/A




**RECEIVED**

MAR 31 2008

D.E.P.  
TALLAHASSEE BRANCH OFFICE

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name US 98 Wakulla River Bridge replacement		Application Number DEP = 65-0281553-001-DF COE = SAJ-2007-5337(IP-AWP)		Assessment Area Name or Number grass swales	
FLUCCs code 640 - vegetated non-forested		Further classification (optional) USFWS classification = PEM2		Impact or Mitigation Site? Impact	
Assessment Area Size 0.68 ac.		Basin/Watershed Name/Number St.Marks River watershed		Affected Waterbody (Class) Type III in swales	
				Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) none	
<p><u>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</u></p> <p>Swales are located along US 98 and eventually discharge into the Wakulla River at the bridge. During rain events, the swales will hold water for 1-2 days. If the river rises above normal levels, the river will overflow into the swales until waters recede.</p>					
<p><u>Assessment area description</u></p> <p>The assessment area is immediately adjacent to the roadway, and within a maintained Right-of-Way. The swales are mowed, free of litter, and completely grassed. The dominant species is bahia grass. The swale has a back slope with uplands located off of the right of way. The soils are well-drained.</p>					
<p><u>Significant nearby features</u></p> <p>none</p>			<p><u>Uniqueness (considering the relative rarity in relation to the regional landscape.)</u></p> <p>none</p>		
<p><u>Functions</u></p> <p>treats stormwater as it runs off the road</p>			<p><u>Mitigation for previous permit/other historic use</u></p> <p>N/A</p>		
<p><u>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found )</u></p> <p>Crayfish, frogs.</p>			<p><u>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)</u></p> <p>none anticipated</p>		
<p><u>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):</u></p> <p align="center">No evidence of wildlife utilization.</p>					
<p>Additional relevant factors:</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: right;"> <p><b>RECEIVED</b></p> <p>MAR 31 2008</p> </div> </div>					
<p>Assessment conducted by: Joy Giddens</p>			<p>Assessment date(s): 3/14/2008</p> <p align="right">D.E.P. TALLAHASSEE BRANCH OFFICE</p>		

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name US 98 Wakulla River Bridge replacement	Application Number DEP = 65-0281553-001-DF COE = SAJ-2007-5337(IP-AWP)	Assessment Area Name or Number grass swales
Impact or Mitigation Impact	Assessment conducted by: Joy Giddens	Assessment date: 3/14/2008

**Scoring Guidance**  
 The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	<b>Moderate(7)</b> Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	<b>Minimal (4)</b> Minimal level of support of wetland/surface water functions	<b>Not Present (0)</b> Condition is insufficient to provide wetland/surface water functions
--	--	---	--

.500(6)(a) Location and Landscape Support  w/o pres or current 4	with 0	The grassy swales are located on either side of US 98. Swales within the floodplain of Wakulla River are considered hydric, as they are inundated with water for long periods of time. These swales are for the treatment of stormwater from roadway runoff. Within the project limits, very little development has occurred. A few residences can be found immediately adjacent to the river, and they have driveways onto US 98. The swales will be impacted by the road shifting it's alignment to the left.
.500(6)(b)Water Environment (n/a for uplands)  w/o pres or current 5	with 0	The Wakulla River will occasionally overflow and water will inundate the swales. Swales receive roadway runoff and any other water from off site. The wetland plants living in the swales immerge during the wet season. At the time of my field review, the swale was dry and very few obligate or facultative wet species could be found.
.500(6)(c)Community structure  1. Vegetation and/or 2. Benthic Community  w/o pres or current 3	with 0	Very little diversity, mostly bahia grass. During wet periods, small sedges ( <i>Cyperus</i> ) and rushes ( <i>Fuirena</i> ) will grow.

**RECEIVED**

MAR 31 2008

D.E.P.  
TALLAHASSEE BRANCH OFFICE

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres 0.4	with 0

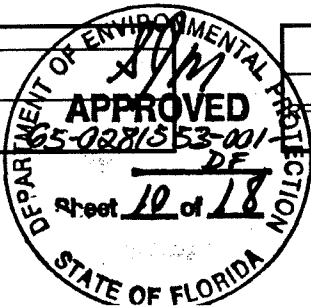
If preservation as mitigation, Preservation adjustment factor = N/A Adjusted mitigation delta = N/A
---

For impact assessment areas FL = (-0.4)delta x (0.68)acres = - 0.27
--

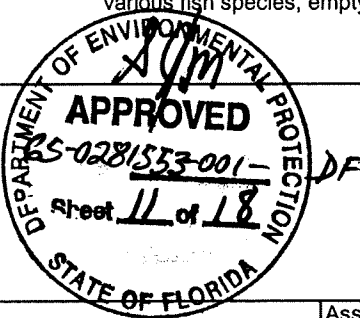
Delta = [with-current] -0.4
--------------------------------

If mitigation Time lag (t-factor) = N/A Risk factor = N/A
---

For mitigation assessment areas RFG = delta/(t-factor x risk) = N/A
--



**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name US 98 Wakulla River Bridge replacement		Application Number DEP = 65-0281553-001-DF COE = SAJ-2007-5337(IP-AWP)		Assessment Area Name or Number Submerged Aquatic Vegetation (SAV)	
FLUCCs code 645- submergent aquatic vegetation		Further classification (optional) USFWS classification = R1UBV		Impact or Mitigation Site? Impact by shading	
Assessment Area Size 0.32 ac.					
Basin/Watershed Name/Number St.Marks River watershed		Affected Waterbody (Class) Wakulla River		Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) OFW	
<u>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</u> The assessment area is in the Wakulla River, 6 miles south of Wakulla Springs, and 7.5 miles north of Apalachee Bay. Forested wetlands are adjacent to the river on the north side of the bridge. Seasonal flooding helps keep the forested wetlands hydrated.					
<u>Assessment area description</u> The assessment area is the Wakulla River, where US 98 crosses over it. The river is approximately 250 ft. wide at this location. SAV is growing in abundance on the north side of the bridge, and sparcely on the south side. No SAV is growing under the bridge. A public boat ramp is located on the south east side of the assessment area, immediately south of the bridge. Just south of the DOT right-of-way, on the same side as the boat ramp, a private canoe busines exists. The river is designated as a canoe trail by the FDEP. Boats are common. Water depth averages 15 ft. in the channel. The river is slightly tidal, with a 1 to 1.5 ft. change per event. A few river-side homes are located within 1000 ft. of the bridge.					
<u>Significant nearby features</u> none			<u>Uniqueness (considering the relative rarity in relation to the regional landscape.)</u> none		
<u>Functions</u> food source for fish, manatees, snails			<u>Mitigation for previous permit/other historic use</u> N/A		
<u>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found )</u> large mouth bass, manatees, apple snails, various fish species			<u>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)</u> Manatees have been seen feeding on the SAV. Bridge inspectors told me they saw manatees there several years in a row.		
<u>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):</u> various fish species, empty snail shells					
Additional relevant factors: <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: right;"> <p><b>RECEIVED</b></p> <p>MAR 31 2008</p> <p>D.E.P. TALLAHASSEE BRANCH OFFICE</p> </div> </div>					
Assessment conducted by: Joy Giddens			Assessment date(s): 3/14/2008		

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name US 98 Wakulla River Bridge replacement	Application Number DEP = 65-0281553-001-DF COE = SAJ-2007-5337(IP-AWP)	Assessment Area Name or Number Submerged Aquatic Vegetation
Impact or Mitigation Impact due to shading	Assessment conducted by: Joy Giddens	Assessment date: 3/14/2008

<b>Scoring Guidance</b>
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

<b>Optimal (10)</b>	<b>Moderate(7)</b>	<b>Minimal (4)</b>	<b>Not Present (0)</b>
Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support	The assessment area is located in the Wakulla River on the north side of US 98, within the DOT right-of-way. The SAV was surveyed by a consultant. The density of SAV was very good, about 80%. Beyond the limits of the project, SAV could be found upstream and downstream, with various densities. The uplands have little development to the north, and a public boat ramp and private canoe business exists to the south. Boat traffic is moderate and the river is a designated canoe trail. The existing bridge does not have any SAV underneath it. The proposed project will align the new bridge over SAV. It is anticipated the shade from the new bridge will cause the SAV to die out. SAV will remain beyond the limits of the shading. The DOT will remove the existing bridge and its abutments. DOT will monitor the area to determine if SAV will recruit in the footprint of the old bridge. If SAV can grow in the newly exposed area, it will take approximate 2-3 years to determine density. I would anticipate 4 years to determine if the SAV successfully recruited in the footprint of the old bridge.
w/o pres or current	with
9	0

.500(6)(b) Water Environment (n/a for uplands)	The Wakulla River at this location maintains a depth of 10 -15 ft deep. There is a scoured channel in the middle, with a 15 ft. depth. SAV grow in 1-10 ft. of water, and not in the channel. The river is slightly tidal at this location, approximately 1ft. between the tides. The assessment area is approximately 7 miles from the Apalachee Bay. Wakulla river joins the St. Marks River about 3 miles south of the assessment area. The river is fed from the Wakulla Springs, located approximately 5-6 miles upstream. Wakulla River is designated an Outstanding Florida Water. Water clarity is very good. Few invasive aquatic plants exist within the assessment area. Boat traffic is moderate. A public boat ramp is located on the south east side of the existing bridge. The new bridge will have a collection system and not allow stormwater to discharge directly into the water. A french drain will be located on either end in the approaches to treat the stormwater before discharging to swales at the bottom of the approach. Water quality will be improved by treating the stormwater runoff before discharging. The current bridge allows water to run directly into the river.
w/o pres or current	with
9	0

.500(6)(c) Community structure	Two kinds of freshwater SAV were identified: Tape Grass ( <i>Vallisneria americana</i> ) and Southern naiad ( <i>Najas guadalupensis</i> ). The dominant species was the Tape Grass. The vegetation exists in areas between 1 and 10 ft. deep. Fish were seen at the time of the field review. Bridge inspectors have recorded manatees feeding in the area from past inspections of the existing bridge. Some snail shells were observed along the river edge. It is anticipated the new bridge will shade out SAV underneath it. There is substantial SAV immediately upstream of the assessment area. Downstream, the SAV could be seen on the west side of the river and increasing in density beyond the limits of the canoe business. When the existing bridge is removed, the abutments will also be removed, causing some additional open water areas. It is anticipated the SAV will recruit in these areas.
1. Vegetation and/or 2. Benthic Community	
w/o pres or current	with
8	0

Score = sum of above scores/30 (if uplands, divide by 20)	
current or w/o pres	with
0.88	0

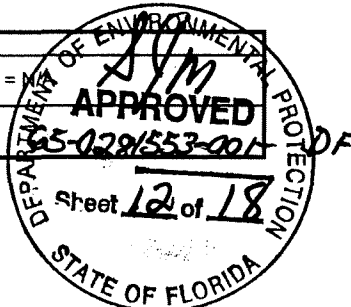
If preservation as mitigation,
Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

For impact assessment areas
FL = (-0.88)delta x (0.32)acres = - 0.28

Delta = [with-current]
-0.88

If mitigation
Time lag (t-factor) = N/A
Risk factor = N/A

For mitigation assessment areas
<b>RECEIVED</b>



MAR 31 2008  
D.E.P.  
TALLAHASSEE BRANCH OFFICE



RECEIVED

FERRELL PROPERTY

UWRMP Section 5.7.3 Supplement

APR 11 2008

April 2, 2008

**Description:**

The Ferrell property (1,000+ acres) is contiguous with existing Wakulla Springs State Park lands and is part of the Wakulla Springs Protection Zone—an area identified by the Florida Department of Parks and Recreation (DRP) as essential for the ecological well-being of the springs. This parcel was brought to the attention of the NFWFMD by the Wakulla Springs State Park manager, which strongly encourages its acquisition. It contains a mixture of high-quality wetlands, sinkholes and forested uplands. Although available mitigation funding is insufficient for acquisition of the entire property, the NFWFMD proposes to acquire 12 acres using mitigation funding available for the US 98 Wakulla River Bridge impacts. The landowner, who inherited the property and lives out of state, has agreed in principle to sell 12 acres adjacent to Wakulla Springs State Park.

The 12 acres identified for acquisition consists of ~7 acres of wetlands (swallet and associated forested wetlands) and ~5 acres of high-quality forested uplands. Acquiring a toe-hold may enable future acquisitions of this property for preservation when other funding sources are identified or available.

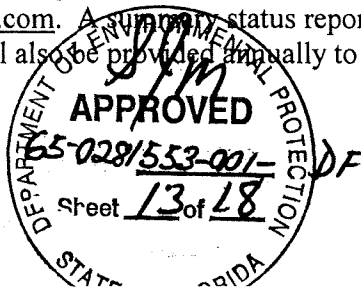
The 12 acres would be used to offset impacts to 1.98 acres (1.3 acres forested and 0.68 acres emergent) of wetlands associated with replacement of the US 98 Wakulla River Bridge. An additional 0.32 acres of submerged aquatic vegetation (SAV) may also be impacted from shading from the new bridge, however, it is anticipated that SAV will naturally recolonize the footprint of the old bridge. Monitoring of the US 98 Wakulla River Bridge impact site will be implemented—if natural recolonization is insufficient to offset the SAV impact, then planting of SAV or other additional mitigation will be implemented in consultation with FDEP and the CORPS/IRT.

**Long-term Management:**

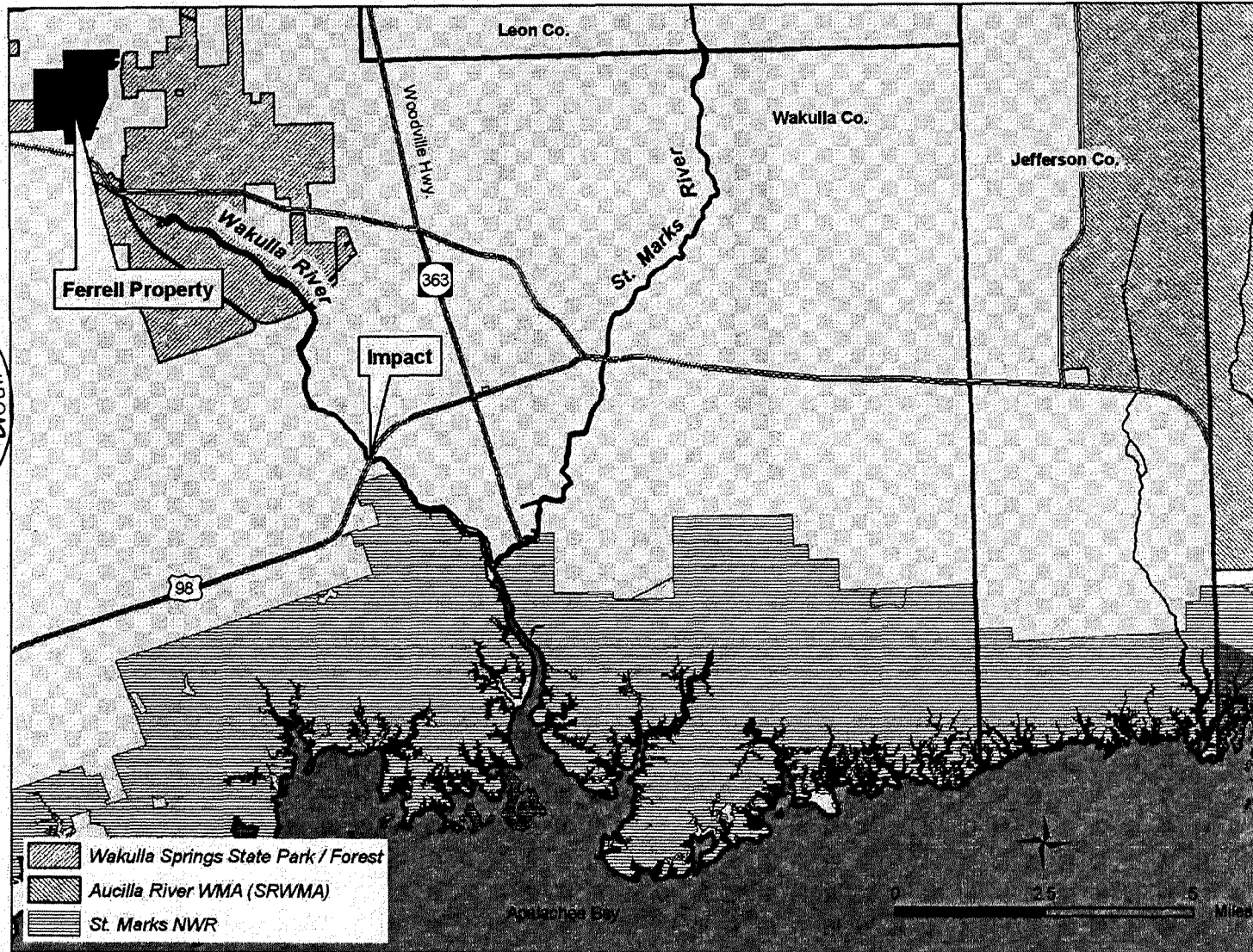
Any acquisitions described above would be transferred to the Wakulla Springs State Park for management as a natural area under their approved management plan.

**Annual Status Reports:**

Annual status reports, if required by the CORPS, will be generated and posted at <http://www.nwfwmdwetlands.com>. An annual status report for all mitigation projects, including cost accounting, will also be provided annually to the CORPS if requested.

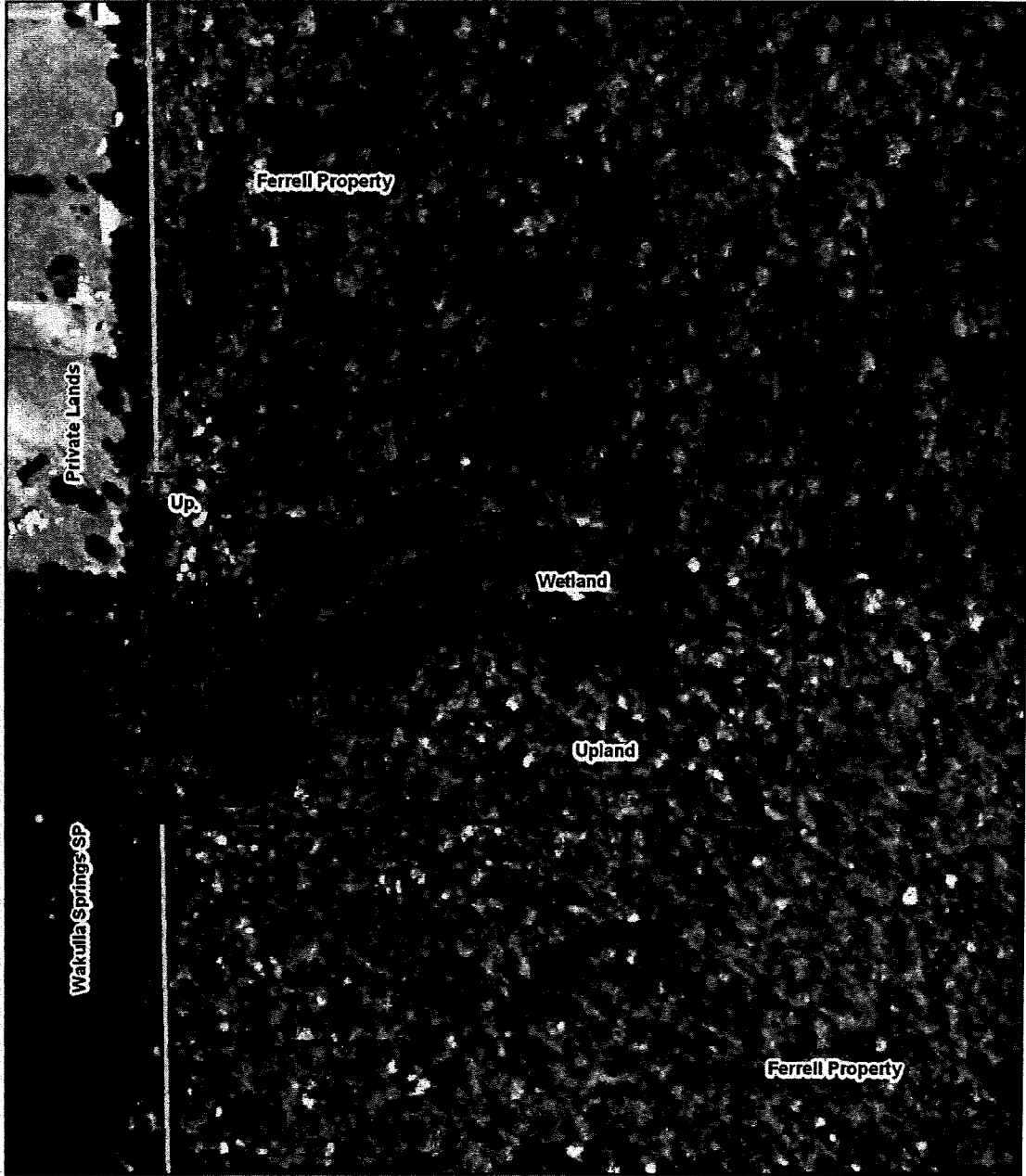


# Location of US 98 Wakulla River Bridge Impact and Potential Mitigation




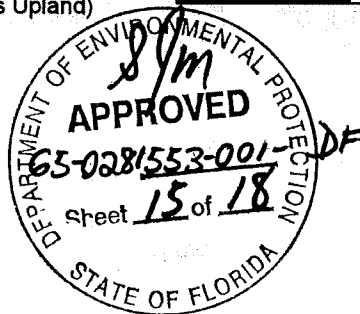
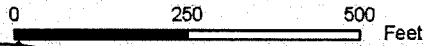
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 STATE OF FLORIDA  
 APPROVED  
 05-028/553-001-  
 Sheet 14 of 18  
 DF

### Ferrell Property - Proposed 12-Acre Purchase



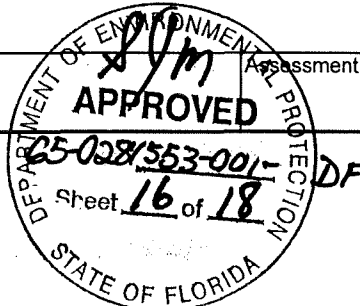
2004 DOQ

 Proposed Ferrell Purchase  
(7 Acres Wetland / 5 Acres Upland)



**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Ferrell Property</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Wetland Polygon</b>
FLUCCS code <b>617 - Mixed Wetland Hardwoods</b>	Further classification (optional) <b>---</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>7 Acres</b>
Basin/Watershed Name/Number <b>St. Marks / Apalachee Bay</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>---</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Adjacent to Wakulla Springs State Park lands.</b>			
Assessment area description <b>Mixed Wetland Hardwoods (FLUCCS 617). Generally in excellent condition with high-quality upland buffers.</b>			
Significant nearby features <b>Wakulla Springs State Park, Wakulla Springs State Forest, Apalachicola National Forest</b>	Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Not unique.</b>		
Functions <b>Water storage; water quality; floral and faunal habitat.</b>	Mitigation for previous permit/other historic use <b>None</b>		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>Deer, possum, raccoon, bob cat, box turtle, spotted skunk, black racer, oak toad, American toad, garter snake, diamond back rattler, rabbit, squirrel.</b>	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Eastern indigo snake (LT), Florida pine snake (LS), wood stork (LS), White Ibis (LS), Alligator snapping turtle (LS).</b>		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) <b>Deer, rabbit, raccoon, pineland bog button, pinewoods bluestem, white top pitcher plant, Plantanera clayellata (LE), club orchid, Florida willow (LE).</b>			
Additional relevant factors <b>Site is currently in excellent condition. Could be threatened by lack of long-term ecological management and development pressures</b>			
Assessment conducted by <b>NFWMD Staff</b>	Assessment date(s) <b>4/2/2008</b>		



**PART II – Quantification of Assessment Area (impact or mitigation)**  
 (See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name <b>Ferrell Property</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Wetland Polygon</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NWFWM Staff</b>	Assessment date: <b>4/2/2008</b>

<b>Scoring Guidance</b> The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed
---

<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	<b>Moderate(7)</b> Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	<b>Minimal (4)</b> Minimal level of support of wetland/surface water functions	<b>Not Present (0)</b> Condition is insufficient to provide wetland/surface water functions
--	--	---	--

.500(6)(a) Location and Landscape Support	<b>Without Preservation</b> - High probability of development; exotics invasion; lack of appropriate fire regime.	
	<b>With Preservation</b> - Removal of development potential; implementation of ecological management including fire and exotics control per the approved Wakulla Springs State Park management plan.	
w/out pres	with pres	
7	10	

.500(6)(b)Water Environment (N/A for Uplands)	<b>Without Preservation</b> - Development degrades hydrology. <b>With Preservation</b> - Appropriate hydrology maintained.	
w/out pres	with pres	
7	10	

.500(6)(c)Community structure  Vegetation and/or Benthic Community	<b>Without Preservation</b> - Development; exotics invasion; lack of appropriate fire regime; high probability of exotics invasion. <b>With Preservation</b> - Implementation of ecological management including fire and exotics control.	
w/out pres	with pres	
6	10	

Score = sum of above scores/30 (if uplands, divide by 20)	
w/out pres	with pres
0.67	1.00

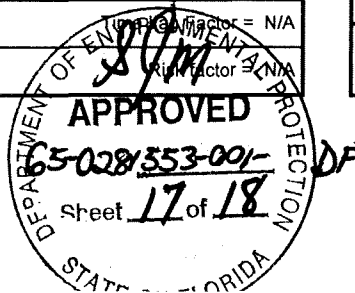
If preservation as mitigation
Preservation adjustment factor = 1
Adjusted mitigation delta = 0.33

For impact assessment areas
N/A

Delta = [with - w/out]
0.33

If mitigation
Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

Wetland Polygon Acreage = 7	
For mitigation assessment areas	
Mitigation Credits ((Mitigation Delta/Lag*Risk) * Acres)	
=	2.33



Ferrell Property  
 UMAM Credit Assessment - April, 2008  
 NWFWMD Staff

DO NOT ENTER DATA ON THIS PAGE  
 ENTER SCORES ONLY ON INDIVIDUAL POLYGON PAGES

Polygon	Acres	L1	L2	W1	W2	C1	C2	W/Out Score	With Score	Raw Delta	Time Lag	P Factor	Risk	Adjusted Delta	UMAM Credits
Wetlands	7	7	10	7	10	6	10	0.67	1.00	0.33	N/A	1	N/A	0.33	2.33
Uplands	5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	----- 12														----- 2.33

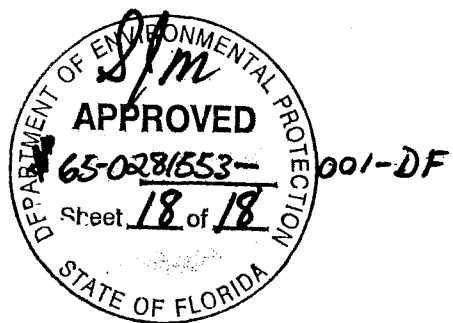
- L1 = Location and Landscape Support - Without Mitigation
- L2 = Location and Landscape Support - With Mitigation
- W1 = Water Environment - Without Mitigation
- W2 = Water Environment - With Mitigation
- C1 = Community Structure - Without Mitigation
- C2 = Community Structure - With Mitigation

Raw Delta = w/mit score - without mitigation score

P = Preservation Factor (assumption is that preservation polygons are enhanced by buffer restoration)

Adjusted Delta = Raw Delta / (Time Lag \* Risk)

UMAM Credits = Acres \* Adjusted Delta





# Florida Department of Environmental Protection

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

Tallahassee Branch Office  
630-3 Capital Circle Northeast  
Tallahassee, Florida 32301

August 31, 2007

Ms. Joy Giddens, Coordinator  
Florida Department of Transportation  
Post Office Box 607  
Chipley, Florida 32428

RE: Wakulla River Bridge  
~~Leon~~ County, 37-0281553-001-RG  
~~Wakulla~~



Dear Ms. Giddens:

We have reviewed and approved your Notice of General Permit received by the Department on August 27, 2007, concerning the above referenced project. The project appears to qualify for the general permit specified by Rule 62-25.801, Florida Administrative Code (FAC).

Please note that due to the current workload, no site inspection has been performed; therefore, the Department has made no determination as to whether jurisdictional wetlands are present on site, or whether, based on the proposed scope of work, a wetland resource permit may be required. Any subsequent determination that such a permit is required may result in a need to obtain a new stormwater permit and may also lead to possible enforcement action by the Department for any unauthorized work conducted in jurisdictional wetlands.

Please thoroughly review and be aware of the conditions associated with the General Permit (enclosed). Your particular attention is directed to the statement contained in the General Permit which states that this General Permit does not relieve you, the permittee, from obtaining a dredge and fill, collection system or distribution system permit where it is required. We would appreciate seven days written notification prior to the start of any site work.

We wish to point out that Rule 62-25.801, FAC, also requires that the permittee file an As-Built Certification with the Department within thirty (30) days after the facility's completion. This certification is included as page 4 of DEP form 62-1.215 (2), the General Permit for Stormwater Discharge Facilities.

Wakulla River Bridge  
Leon County, 37-0281553-001-RG  
Page 2

Additionally, it appears that the proposed scope of the work may result in a stormwater discharge to surface Waters of the State or a municipal storm sewer and disturb (which includes clearing, grading and excavation) one (1) or more acres of land. Enclosed for your information and action is a brochure describing Florida's National Pollutant Discharge Elimination System (NPDES) stormwater program for construction activities.

If you have any questions about the need to obtain additional permits, or any other matters, please call Catherine E. Breland at (850) 488-3704.

Sincerely,



G. P. Neubauer  
Branch Office Manager

GPN/cb

Enclosure

cc: Cliff Street, P.E.  
Tommy Cook, District Maintenance Engineer  
Jim Kapinos, P.E.  
Jessica Kleinfelter, FDEP