

ALTERNATIVE POND SITES REPORT

COBB ROAD (CR 485) / US 98 PD&E STUDY

From SR 50 to Suncoast Parkway in Hernando County, Florida

WPI Nos. 257299 1 & 405017 1; FAP Nos: 2891 007 P & 2891 008 P



Florida Department of Transportation
District Seven

April 2003

ALTERNATIVE POND SITES REPORT

**Cobb Road (CR 485) / US 98
Project Development and Environment Study**

**Cobb Road (CR 485), from SR 50 to US 98
and
US 98, from Cobb Road to Suncoast Parkway
Hernando County, Florida**

**WPI Segment Nos.: 257299 1 & 405017 1
FAP Nos.: 2891 007 P & 2891 008 P**

**This proposed action consists of capacity and safety improvements to
Cobb Road (CR 485), a two-lane undivided arterial,
from SR 50 to US 98 and US 98, a two-lane undivided arterial,
from Cobb Road to Suncoast Parkway**

**FLORIDA DEPARTMENT OF TRANSPORTATION
District Seven**

April 2003

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1.0 INTRODUCTION

1.1 BACKGROUND

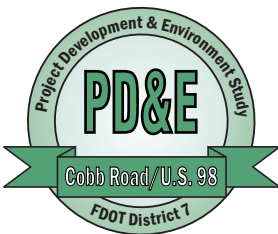
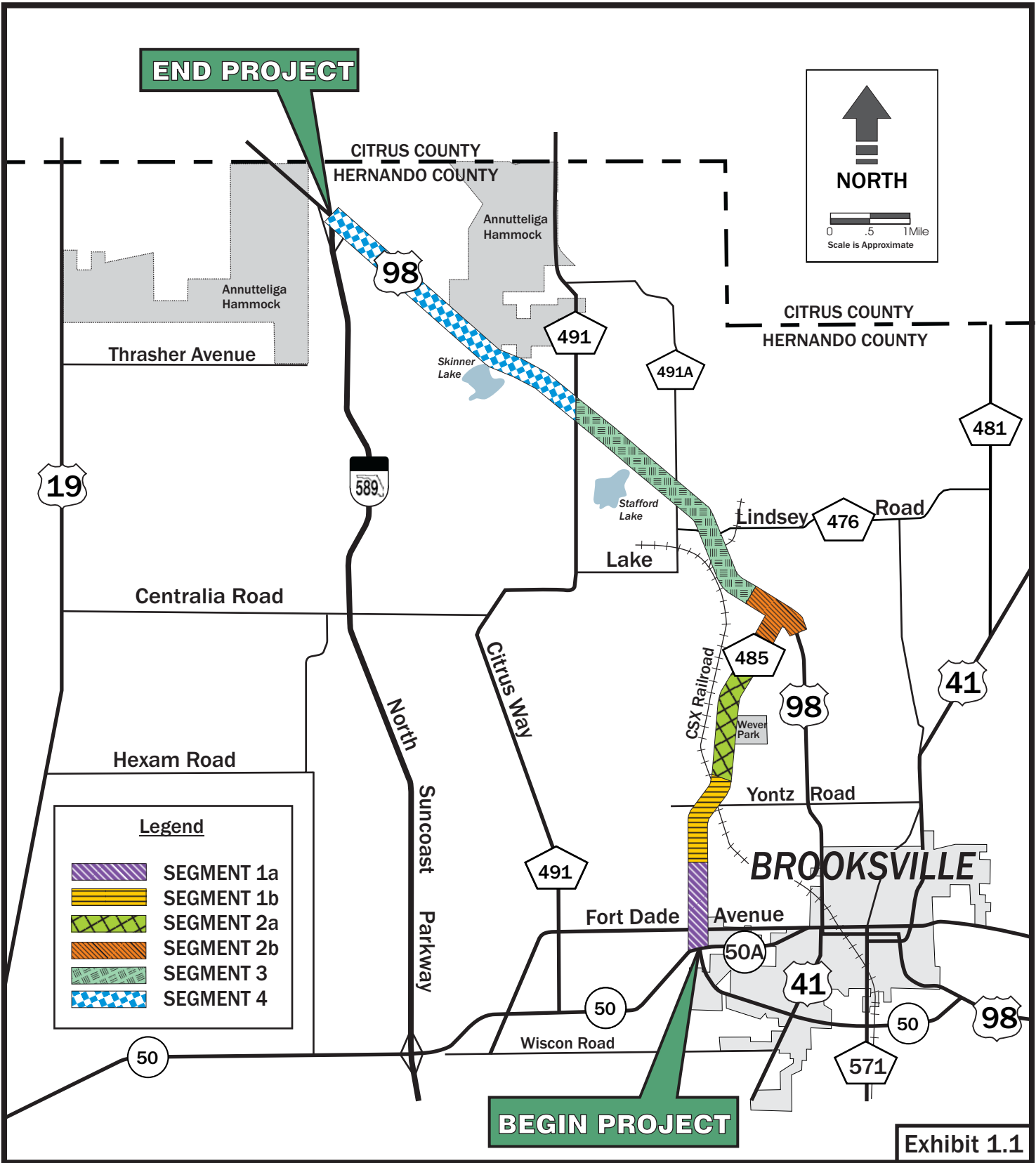
The Florida Department of Transportation (FDOT or Department) is conducting a Project Development and Environment (PD&E) Study to evaluate conceptual design improvement alternatives and social and environmental impacts along Cobb Road (CR 485) from SR 50 to US 98 and along US 98 from Cobb Road to the Suncoast Parkway west of the City of Brooksville in Hernando County, Florida. The improved facilities are being planned to serve as a by-pass route for heavy trucks and other vehicles that do not have a need to travel through the Brooksville central business district via US 98 east of the Cobb Road intersection. It is anticipated that when the planned project is constructed, Cobb Road will be designated and signed as US 98 to route traffic around the west side of Brooksville. The Project Location Map, shown in **Exhibit 1.1**, shows the project study area and project segmentation.

1.2 PROJECT DESCRIPTION

The planned project will improve the capacity and safety of the existing two-lane Cobb Road (CR 485) and a portion of US 98 in Hernando County, Florida. The project study area begins on Cobb Road at SR 50 in the City of Brooksville and extends northward 4.5 miles to US 98. The study area then proceeds 7 miles westward along US 98 to the Suncoast Parkway. These segments of Cobb Road and US 98 are currently two-lane undivided rural arterials. The total length of the planned project is approximately 11.5 miles. The project has been divided into six segments (Segments 1a, 1b, 2a, 2b, 3 and 4) for purposes of analysis throughout this study. The project segmentation is shown on the Project Location Map in **Exhibit 1.1**.

The existing Cobb Road / US 98 corridor provides traffic flow around the west side of the City of Brooksville, ultimately connecting SR 50 with the Suncoast Parkway (SR 589). Traffic growth in Hernando County and in the vicinity of the City of Brooksville will cause Cobb Road and US 98 to become congested if traffic capacity is not added to the system. The need to provide a safer designated bypass route around the City of Brooksville is vital, particularly for the large volume of truck traffic associated with three major rock mines and other industrial facilities situated along the project corridor.

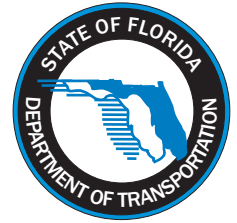
Capacity and safety improvements to Cobb Road and US 98, along with the designation of Cobb Road as US 98, represents a long-standing goal of the City of Brooksville and Hernando County. This goal has been incorporated into the Hernando County Metropolitan Planning Organization (MPO) *2025 Long Range Transportation Plan (LRTP)*, which calls for widening the existing roadways to a continuous four-lane divided, controlled access facility.



Project Location Map

Cobb Road (CR 485) / US 98 PD&E Study

WPI Segment Nos: 257299 1 & 405017 1
FAP Nos: 2891 007 P & 2891 008 P



2.0 BASIN CHARACTERISTICS

2.1 LAND USE

According to the Hernando County Planning Department's existing land use map, the predominant existing land uses in the study area are agricultural and mining. Agricultural designations are representative of large hay fields and active cattle pastures. Mining designations are representative of three major mining facilities located along the project corridor, including Florida Mining & Materials Corporation, Florida Crushed Stone Company and Florida Rock Industries, Inc. Industrial land uses also exist along the project corridor, representing several notable facilities, including Flagstone Pavers, Ewell Industries and Florida Concrete and Stone. Some scattered single-family residential and commercial uses are situated along the corridor, particularly in the southern portion. Vacant lands are also found along the project corridor. Recreational land uses include the Ernie Wever Youth Park (Wever Park) adjacent to the D.S. Parrott Middle School and the private World Woods Golf Course at the northern end of the project. Lands associated with the Annettliga Hammock Conservation and Recreation Lands (CARL) on the north side of US 98 are designated as conservation lands in the County's land use mapping.

According to the Hernando County Comprehensive Plan's future land use map, the study area immediately adjacent to the Cobb Road segment of the project corridor is anticipated to undergo a developing transition towards industrial and residential land uses. This transition is underway with the plot approvals of a proposed industrial park just south of the D.S. Parrott Middle School. The majority of the study area along US 98 will remain as mining and rural land uses in the future, with commercial nodes at Lake Lindsey Road (CR 476), Citrus Way (CR 491), and the Suncoast Parkway. Residential land use is also anticipated near the Suncoast Parkway.

2.1.1 Soil Characteristics

The Natural Resource Conservation Service's (NRCS, formerly the Soil Conservation Service) Soil Survey for Hernando County was reviewed with respect to geology and near-surface soil conditions in the project area and shows that multiple soil map units occur within the study area. The primary soils shown along the area of the existing alignment are those of the Nobleton-Blichton-Flemington upland soil association. **Exhibit 2.1** shows the general soils map for the study area. **Table 2.1** summarizes each soil type and its associated hydrologic properties.

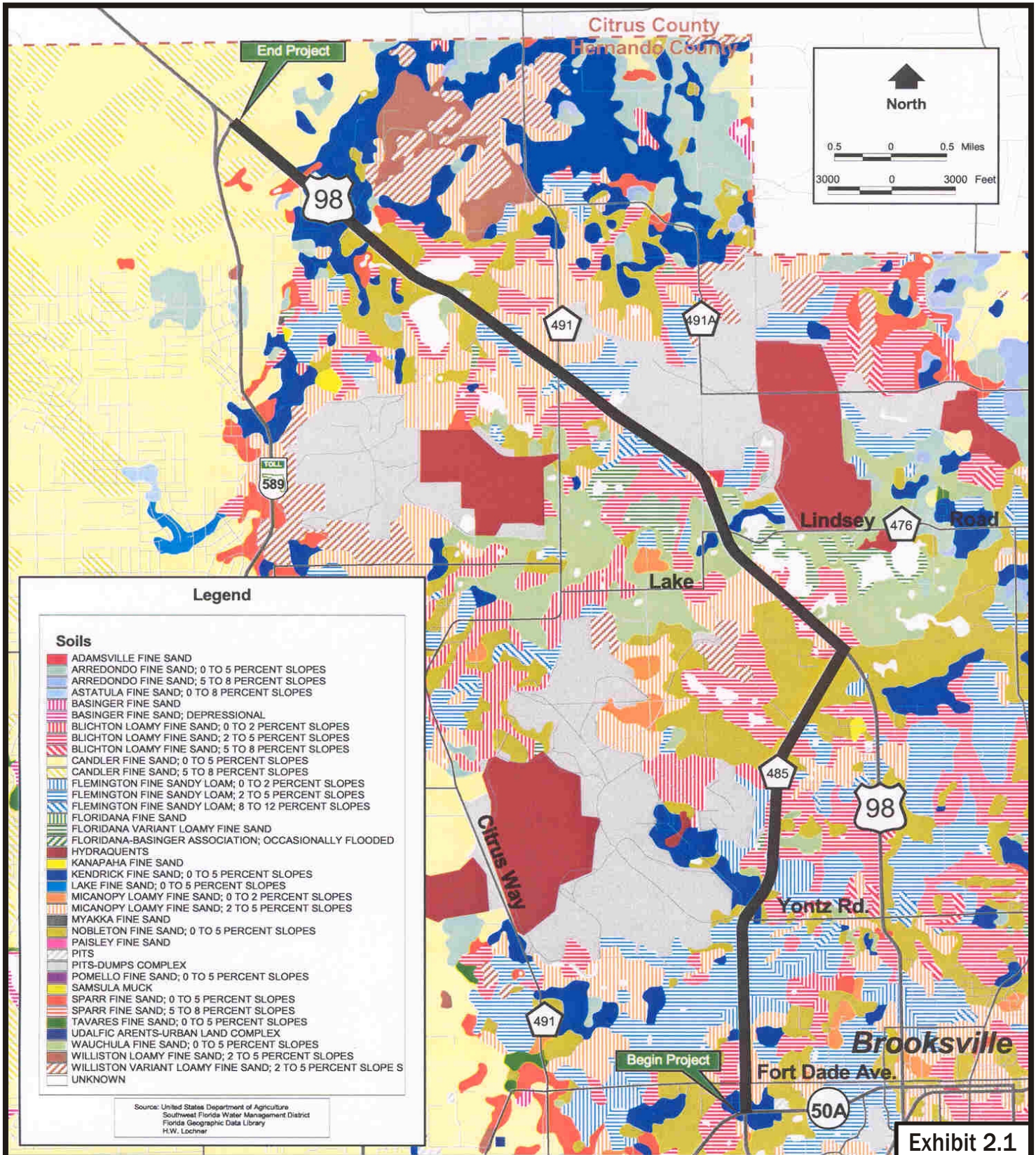


Exhibit 2.1



General Soils Map

Cobb Road (CR 485) / US 98 PD&E Study

WPI Segment Nos: 257299 1 & 405017 1
 FAP Nos: 2891 007 P & 2891 008 P

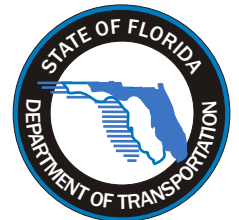


Table 2.1 – Existing Soils

Soil Type	Group Number	Hydrologic Soil Group	Depth to Seasonal High Water Table (inches)
Arredondo Fine Sand, 0-5% slopes	6	A	72
Blichton Loamy Fine Sand, 2-5% slopes	12	D	10
Candler Fine Sand, 0-5% slopes	14	A	80
Candler Fine Sand, 5-8% slopes	15	A	80
Flemington Fine Sandy Loam, 0-2% slopes	20	D	55
Flemington Fine Sandy Loam, 2-5% slopes	21	D	55
Flemington Fine Sandy Loam, 5-8% slopes	22	D	55
Kendrick Fine Sand, 0-5% slopes	29	A	72
Micanopy Loamy Fine Sand, 2-5% slopes	34	C	20
Nobleton Fine Sand, 2-5% slopes	36	C	20
Pits	41	D	N/A
Pits-Dumps Complex	42	D	N/A
Sparr Fine Sand, 0-5% slopes	47	C	72
Wauchula Fine Sand, 0-5% slopes	52	B/D	10

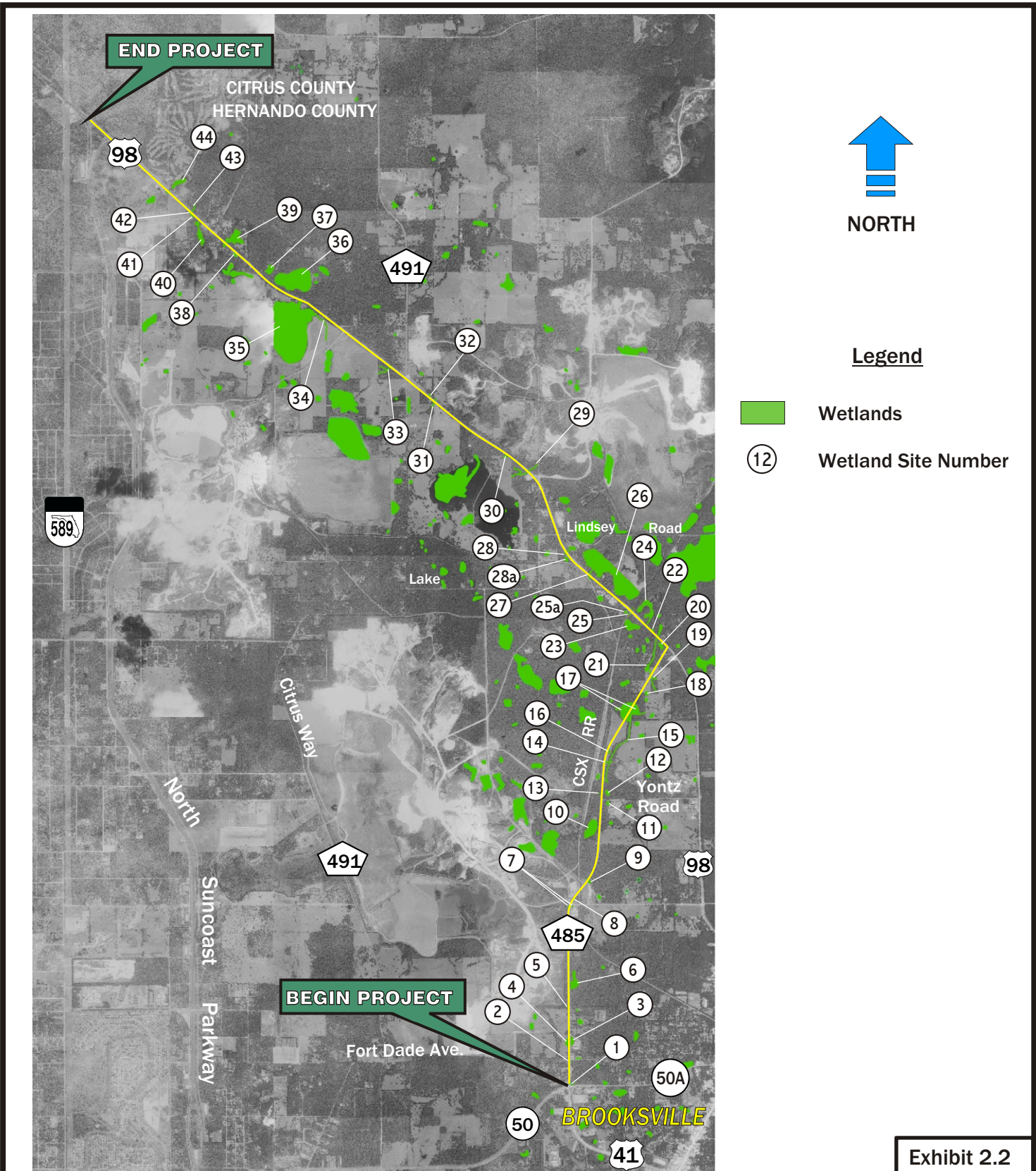
2.1.2 Subsurface Geotechnical Tests

The soils for the project range from very poorly drained to excessively drained. Based on subsurface geotechnical tests done to date, the majority of soils in the project area have a seasonal high water table (SHWT) depth of one to three feet. Permeability of these soils ranges from very rapid to very slow. A geotechnical field exploration was performed at each alternative pond site by Williams Earth Sciences, Inc. in March 2003. The purpose of the field exploration was to estimate the SHWT elevation at 1000-ft. intervals along the proposed alignment and in each alternative pond site. The results of this exploration are shown in **Appendix A**.

According to the *Preliminary Geotechnical Report* prepared by Williams Earth Sciences in April 2002, the project area is characterized by depressional areas which are suspect for sinkhole formation. A total of 44 areas depicting low relief or depressions around existing surface elevations were identified through a review of Southwest Florida Water Management District (SWFWMD) aerial photographs. All references to potential sinkhole activity in this document are based on findings of the *Preliminary Geotechnical Report*.

2.2 WETLANDS

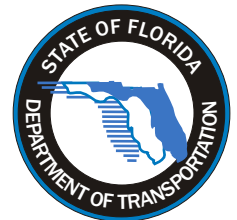
A *Wetlands Evaluation Report (WER)* was prepared as part of this PD&E Study. The findings of the WER are incorporated by reference into this report. In accordance with SWFWMD criteria, each of the Alternative Pond Sites proposed have been located to avoid or minimize direct impact to any potential jurisdictional wetland areas. Thirty-five wetland areas were identified within the project study area that could be affected by the pond site alternatives, as described below. **Exhibit 2.2** and the plan sheets provided in **Appendix B** show the locations of these wetlands.



Location of Project Wetlands

Cobb Road (CR 485) / US 98 PD&E Study

WPI Segment Nos: 257299 1 & 405017 1
FAP Nos: 2891 007 P & 2891 008 P



Wetland 1: Alternative Pond Sites 1A, 1B and 1C would discharge directly to Wetland 1.

Wetland 2a: Alternative Pond Site 2C would impact approximately 0.07 acres of Wetland 2a and would discharge directly into Wetland 2a.

Wetland 3: Alternative Pond Site 3B would discharge directly to Wetland 3.

Wetland 4: Alternative Pond Sites 3A and 3C would discharge directly into Wetland 4.

Wetland 5b: Alternative Pond Sites 4A and 4B would ultimately discharge to Wetland 5b.

Wetland 7: Alternative Pond Site 5B would impact the portion of Wetland 7 on the east side of Cobb Road, a total of approximately 0.03 acres.

Wetland 9: Alternative Pond Sites 7B, 7C, 8B and 8C would discharge directly into Wetland 9.

Wetland 10: Alternative Pond Sites 9A, 9B and 9C would discharge directly to Wetland 10.

Wetland 12: Alternative Pond Site 10C would slightly impact Wetland 12 (approximately 0.01 acres).

Wetland 13: Alternative Pond Site 10A would impact approximately 0.06 acres of Wetland 13. Alternative Pond Sites 10B and 10C would directly discharge to Wetland 13.

Wetland 17: Alternative Pond Sites 12A, 12B and 12C would discharge directly into Wetland 17.

Wetland 20: Alternative Pond Site 14A would impact all of Wetland 20, approximately 1.34 acres. Alternative Pond Site 14B would discharge directly into Wetland 20.

Wetland 21: Alternative Pond Sites 13A, 13B, 13C and 14C would discharge directly into Wetland 21.

Wetland 22: Alternative Pond Site 16C impacts approximately 0.20 acres of Wetland 22.

Wetland 22b: Alternative Pond Site 14C impacts approximately 0.06 acres of Wetland 22b.

Wetland 23: Alternative Pond Site 17A would impact approximately 0.31 acres of Wetland 23 and discharge directly into Wetland 23. Alternative Pond Site 17B would discharge indirectly into Wetland 23.

Wetland 24: Alternative Pond Site 17B would impact approximately 0.09 acres of Wetland 24 and discharge directly into Wetland 24.

Wetland 25: Alternative Pond Sites 18A and 18B would each impact approximately 0.04 acres of Wetland 25. Alternative Pond Site 18D would impact approximately 0.15 acres of Wetland 25.

Wetland 25a: Alternative Pond Site 18D would impact all of Wetland 25a, approximately 0.40 acres.

Wetland 26: Alternative Pond Site 20A would impact approximately 0.01 acres of Wetland 26 and would discharge directly into Wetland 26. Alternative Pond Site 20B would impact approximately 0.17 acres of Wetland 26 and would discharge directly into Wetland 26.

Wetland 27: Alternative Pond Site 20A would impact approximately 0.04 acres of Wetland 27. Alternative Pond Site 20B would impact approximately 0.01 acres of Wetland 27.

Wetland 28: Alternative Pond Site 21B would impact approximately 0.39 acres of Wetland 28 and discharge directly into Wetland 28. Alternative Pond Site 21C would impact approximately 0.08 acres of Wetland 28 and discharge directly into Wetland 28. Alternative Pond Site 22A would impact approximately 0.29 acres of Wetland 28 and discharge directly into Wetland 28.

Wetland 28a: Alternative Pond Site 21C would impact approximately 0.48 acres of Wetland 28a.

Wetland 29: Alternative Pond Site 24A would impact approximately 0.14 acres of Wetland 29 and discharge directly into Wetland 29. Alternative Pond Site 24B would impact approximately 0.16 acres of Wetland 29 and would discharge directly into Wetland 29. Alternative Pond Site 24C would discharge directly into Wetland 29.

Wetland 30: Alternative Pond Site 25A would impact approximately 0.02 acres of Wetland 30 and discharge directly into Wetland 30. Alternative Pond Site 26A would impact approximately 0.01 acres of Wetland 30 and discharge directly into Wetland 30. Alternative Pond Sites 25B and 26B would discharge directly into Wetland 30. Alternative Pond Site 25-26D would collect offsite drainage from Wetland 30 as well as on-site stormwater; therefore, on-site stormwater would discharge directly into Wetland 30, which would discharge into Alternative Pond Site 25-26D.

Wetland 30a: Alternative Pond Site 25A would impact all of Wetland 30a, approximately 0.01 acres.

Wetland 31: Alternative Pond Sites 27A, 27B, 27C, 28A, 28B and 28C would discharge directly into Wetland 31. Alternative Pond Site 27A would impact approximately 0.01 acres of Wetland 31.

Wetland 33: Alternative Pond Site 29A would impact approximately 0.08 acres of Wetland 33 and discharge directly into Wetland 33. Alternative Pond Site 29B would impact approximately 0.17 acres of Wetland 33 and discharge directly into Wetland 33.

Wetland 34: Alternative Pond Sites 30A and 30B would each require re-routing of Wetland 34 to the south, an impact of approximately 0.20 acres.

Wetland 35: Alternative Pond Site 30A would impact approximately 0.35 acres of Wetland 35 and discharge directly into Wetland 35. Alternative Pond Site 30B would impact approximately 0.51 acres of Wetland 35 and discharge directly into Wetland 35.

Wetland 37: Alternative Pond Site 31B would impact approximately 0.11 acres of Wetland 37.

Wetland 38: Alternative Pond Site 32C would impact approximately 0.21 acres of Wetland 38.

Wetland 38a: Alternative Pond Site 31C would discharge directly to Wetland 38a.

Wetland 39: Alternative Pond Site 32A would impact approximately 0.24 acres of Wetland 39 and discharge directly into Wetland 39. Alternative Pond Site 33A would impact approximately 0.002 acres of Wetland 39 and discharge directly into Wetland 39. Alternative Pond Site 32B would discharge directly into Wetland 39.

Wetland 43: Alternative Pond Sites 34A and 34C each impact approximately 0.05 acres of Wetland 43.

2.3 FLOODPLAINS

The Federal Emergency Management Agency (FEMA) has developed Flood Insurance Rate Maps (FIRMs) for the unincorporated areas of Hernando County in the vicinity of this project. The applicable FIRM Community Panel Numbers for this project include: Community Panel Numbers 120110-0075B and 120110-0175B for Hernando County Florida (Effective Date: April 17, 1984). See **Appendix C** for relevant FIRM 100-year floodplain boundaries and a reproduction of the current maps.

The siting of potential pond alternatives attempted to minimize placing ponds within the 100-year floodplain. However, due to the existing topography and location of feasible outfalls, several pond

alternative sites must be placed partially within the mapped floodplain. The actual 100-year and historic basin storage floodplain impacts will be determined in the design phase based upon the survey location of the contour elevation shown in **Table 2.2**.

Table 2.2 – Estimated 100-Year Floodplain Impacts

Alternative Pond Site	Zone ⁽¹⁾	Elevation ⁽²⁾ (Feet)	100-Year Floodplain Impact (ac)
17B	A	77	0.58
18B	A	77	0.26
19B	A	77	0.08
20A	A	77	1.01
20B	A	77	0.85
31B	A	71	0.44
32B	A	60	0.29
33A	A	60	0.26

⁽¹⁾ See Definition in Appendix C

⁽²⁾ Datum NGVD

2.4 HAZARDOUS MATERIALS

A *Contamination Screening Evaluation Report (CSER)* was conducted for this PD&E study. The findings of the CSER are incorporated by reference into this Report. The CSER was performed to determine potential hazardous materials and petroleum involvement from properties or operations located adjacent to the project. Of the 93 alternative pond sites, none received a potential contamination risk rating of HIGH or MEDIUM. Five alternative pond sites received a rating of LOW (1C, 2A, 2C, 23A and 23B). More information regarding contamination potential can be found in the CSER.

2.5 CULTURAL RESOURCE ASSESSMENT

A *Cultural Resource Assessment Survey (CRAS)* was conducted for this PD&E Study. The CRAS Executive Summary is shown in **Appendix D**. A cultural resource survey of the 93 alternative pond sites was performed in August 2002. The purpose of this survey was to locate and identify any prehistoric and historic period archaeological sites and historic structures located within and adjacent to the proposed pond areas and to assess their significance in terms of eligibility for listing in the *National Register of Historic Places (NRHP)*.

Eight previously recorded archaeological sites (8HE28, -67, -68, -69, -70, -71, -73, and -74) were found to extend into alternative pond sites, and two archaeological sites (8HE477 and -478) were newly discovered. These resources are associated with 14 of the 93 alternative pond sites. In addition, two archaeological occurrences were discovered in Alternative Pond Sites 13B and 22A. None of the archaeological sites are considered potentially eligible for listing in the *NRHP*.

Three alternative pond sites were previously identified within potential Section 4(f) properties (10C, 18A and 18B); however, none of these alternative pond sites were chosen as the recommended site due to potential Section 4(f) involvement. Alternative Pond Site 10C was located within Wever Park, a publicly-owned recreation facility. Alternative Pond Sites 18A and 18B were located within the Annutteliga Hammock Conservation and Recreation Lands (CARL) project. This land is publicly owned and is designated for conservation use in the Hernando County Comprehensive Plan.

2.6 THREATENED AND ENDANGERED SPECIES

A *Threatened and Endangered Species Biological Assessment (TESBA)* has been prepared for this PD&E study. The findings of the TESBA are incorporated by reference into this Report. Based on field surveys and evaluation of the Florida Natural Areas Inventory (FNAI) and the Florida Fish and Wildlife Conservation Commission (FWC) database, one endangered plant species (Cooley's water willow (*Justicia cooleyi*)) was found to have involvement with three of the alternative pond sites (7C, 8B and 8C), none of which were recommended. Field evaluations should be conducted in this area during the design phase to determine whether listed species are located within the project limits.

3.0 DESIGN CONSIDERATIONS

3.1 ROADWAY GEOMETRY

3.1.1 Typical Section

The existing rural typical section along Cobb Road and US 98 consists of one 12-ft. lane in each direction. Both Cobb Road and US 98 are rural undivided facilities with roadside swale ditches to capture and route stormwater. Cobb Road has 10-ft. shoulders (4-ft. paved) and US 98 has 8-ft. shoulders (4-ft. paved). There are no sidewalks along this project with the exception of a small portion along Cobb Road from SR 50 to Fort Dade Avenue.

This project proposes a four-lane divided facility. The proposed typical section for Segment 1a is urban with a 17.5-ft. median, four 12-ft. travel lanes, a 6-ft. sidewalk on the left and a 12-ft. shared use path on the right. The proposed typical section for Segment 1b and the portion of Segment 2a south of Youth Drive is suburban with a 30-ft. median (22-ft. curb to curb and 4-ft. offsets to edge of inside travel lanes), four 12-ft. travel lanes, 8-ft. outside shoulders (5-ft. paved), and a 12-ft. shared use path on the right. The proposed typical section for Segment 2a north of Youth Drive and Segments 2b, 3 and 4 is rural with a 46-ft. median, four 12-ft. travel lanes, 8-ft. outside shoulders (5-ft. paved), 6-ft. inside shoulders (4-ft. paved), and a 12-ft. shared use path on the right. See **Exhibits 3.1, 3.2 and 3.3** for the proposed typical sections.

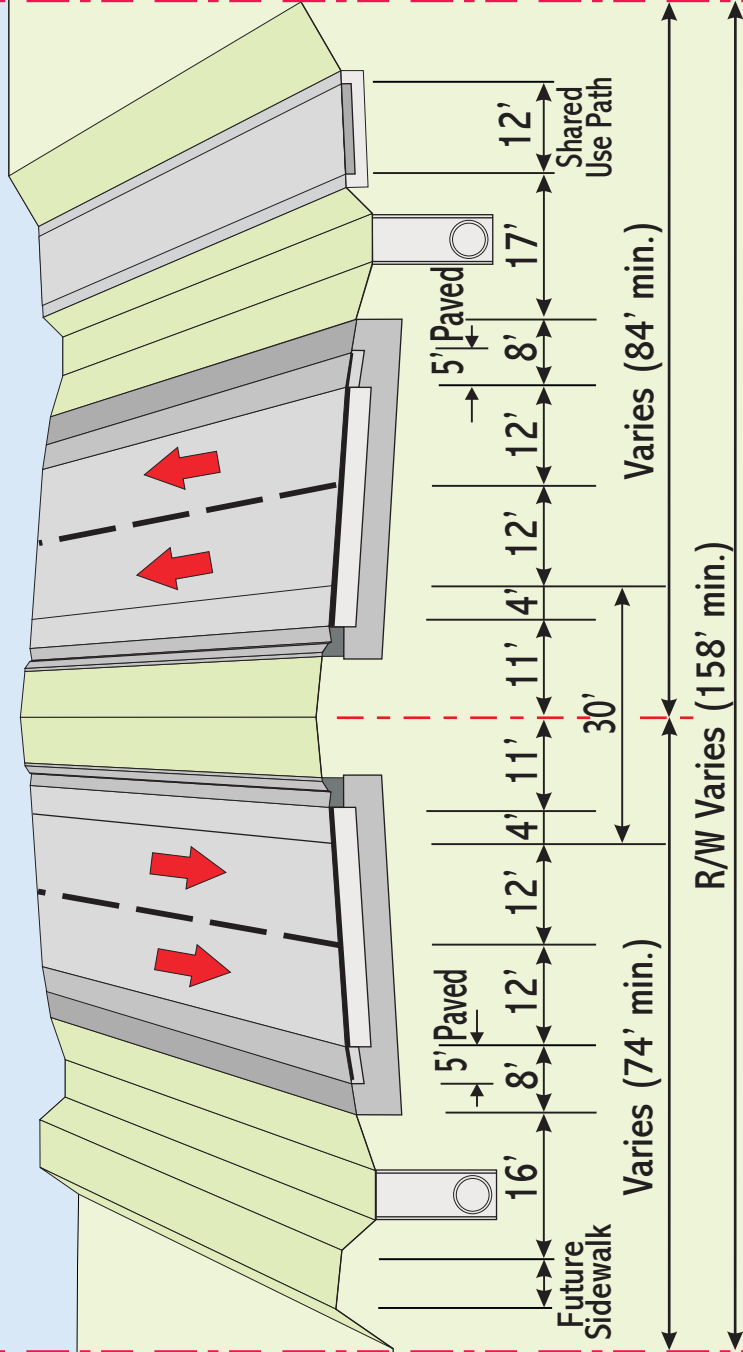
3.1.2 Horizontal Alignment

Cobb Road runs generally from south to north. Just north of SR 50 is a curve with a degree of curvature, $D = 1^{\circ} 30' 0''$ right. Just north of Lee Avenue is a curve with $D = 1^{\circ} 30' 0''$ left. Approximately $\frac{2}{3}$ mile south of Yontz Road is a curve with $D = 0^{\circ} 4' 52''$ right. Approximately $\frac{1}{3}$ mile south of Yontz Road is a curve with $D = 0^{\circ} 10' 0''$ left. At the intersection of Yontz Road is a curve with $D = 4^{\circ} 0' 0''$ right. Approximately $\frac{1}{2}$ mile north of Yontz Road is a curve with $D = 2^{\circ} 0' 0''$ left. Approximately $\frac{1}{2}$ mile north of Youth Drive is a curve with $D = 2^{\circ} 0' 0''$ right.

US 98 runs generally from southeast to northwest. Just south of Cobb Road along US 98 is a curve with $D = 1^{\circ} 0' 0''$ left. Near the CSX Railroad crossing is a curve with $D = 2^{\circ} 0' 0''$ right. At the intersection of Lake Lindsey Road is a curve with $D = 3^{\circ} 0' 0''$ left. Approximately $\frac{1}{2}$ mile north of Lake Lindsey Road is a curve with $D = 0^{\circ} 30' 0''$ left. Approximately one mile north of Lake Lindsey Road is a curve with $D = 1^{\circ} 0' 0''$ right. Just south of CR 491 is a curve with $D = 0^{\circ} 30' 0''$ left. Approximately one mile north of CR 491 is a curve with $D = 2^{\circ} 0' 0''$ left and approximately $\frac{1}{4}$ mile north is a final curve with $D = 2^{\circ} 0' 0''$ right. Overall, curves along Cobb Road and US 98 are gentle. These horizontal curves meet current design standards.

Proposed Right-of-Way Line

Proposed Right-of-Way Line



5' Paved
8'
12'
4'
11'
11'
4'
12'
12'
8'
17'
12'
Shared Use Path

Varies (84' min.)

R/W Varies (158' min.)

Varies (74' min.)

Future Sidewalk

Exhibit 3.2



PROPOSED SUBURBAN TYPICAL SECTION

(SEGMENTS 1b and 2a)

Cobb Road (CR 485) / US 98 PD&E Study
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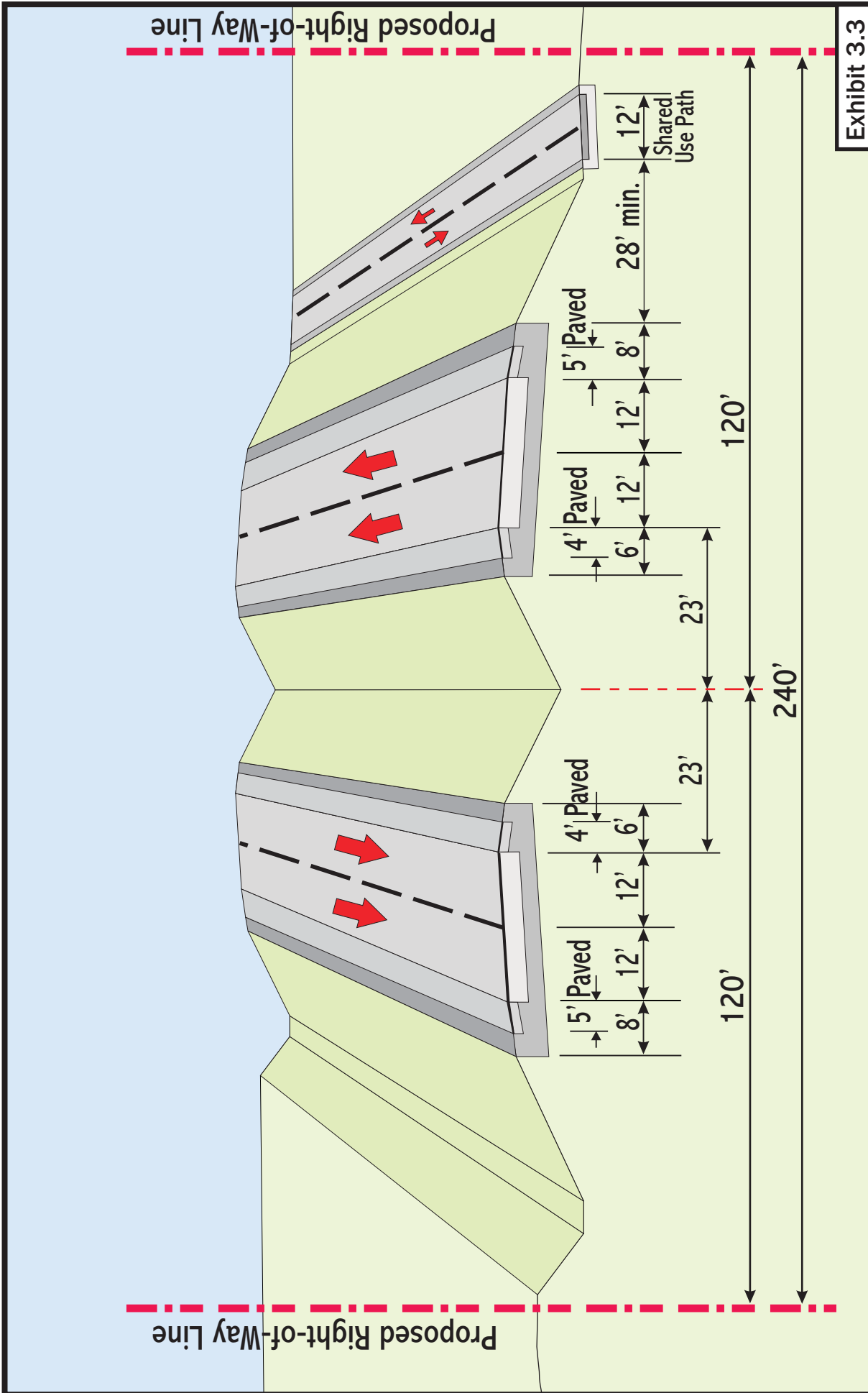


Exhibit 3.3



PROPOSED RURAL TYPICAL SECTION

(SEGMENTS 2a, 2b, 3 and 4)

Cobb Road (CR 485) / US 98 PD&E Study

WPI Segment Nos: 257299 1 & 405017 1

FAP Nos: 2891 007 P & 2891 008 P



The Recommended Alternative alignment was developed to avoid or minimize impacts to the surrounding land uses and environmental features. The proposed urban typical section for Segment 1a fits within the existing right-of-way with the exception of a small parcel clip from the northwest quadrant of the Shadyside Drive intersection. A left alignment was chosen for the remainder of the project.

3.1.3 Vertical Alignment

The existing vertical alignment of Cobb Road is generally flat with one crest curve (K=240) and two sag curves (K=250, 280) in the vicinity of Yontz Road.

The existing vertical alignment of US 98 is gently rolling, including 8 crest curves and 17 sag curves. The existing crest curve K values vary between 155 and 305. The K values of the existing sag curves vary between 150 and 435.

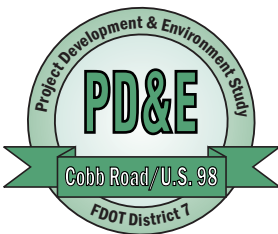
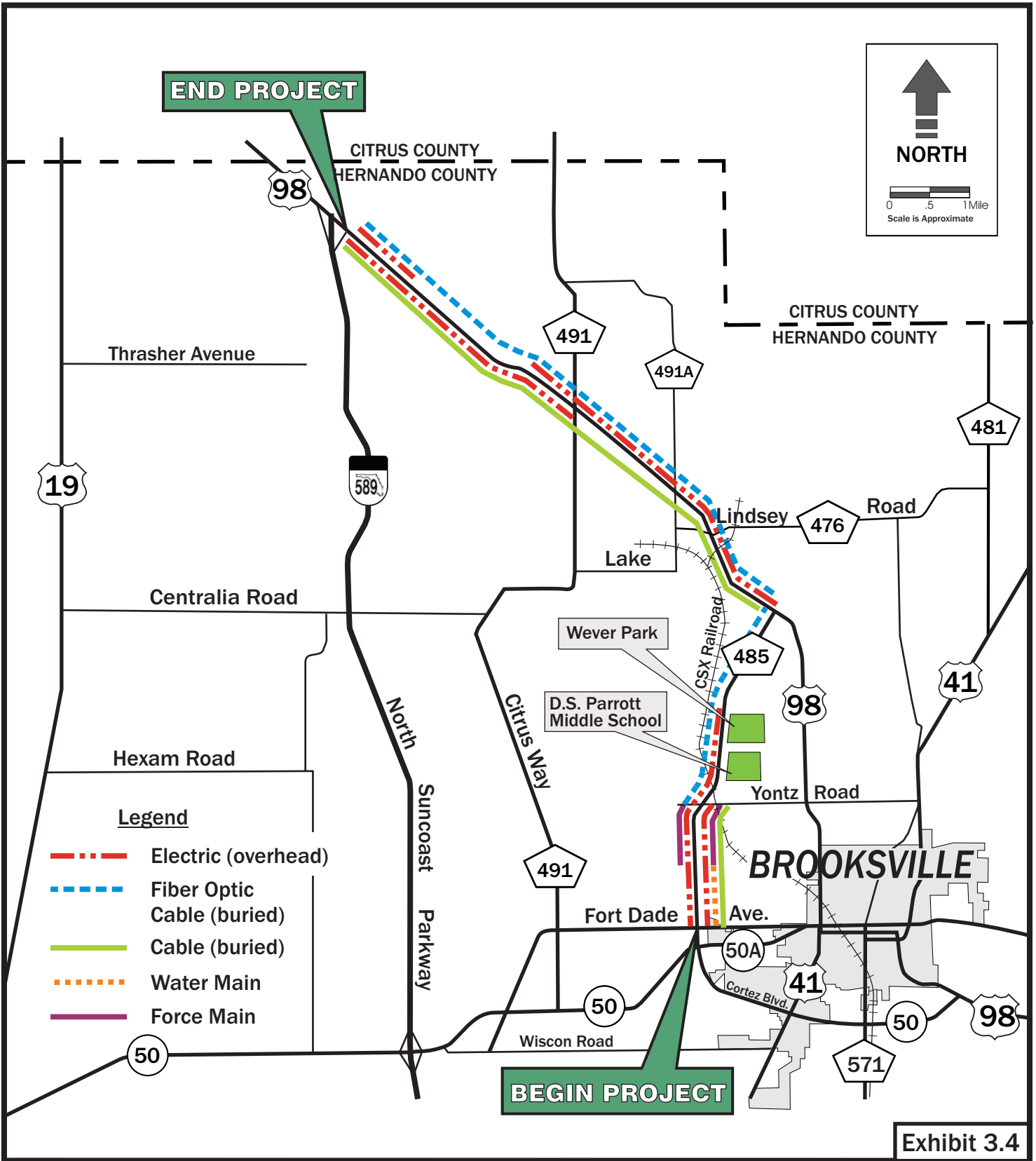
There are a number of existing vertical curves along the project for which deficiencies will be resolved with the planned project.

3.2 RIGHT-OF-WAY

The proposed alignment for Segment 1a fits within the existing right-of-way. On average, approximately 38 feet of additional right-of-way width will be required for Segment 1b. Additional right-of-way width required in Segment 2a will include a minimum of 23 ft. in the suburban section to a maximum of 105 ft. in the rural section. The re-alignment in Segment 2b will require 240 feet of right-of-way width. Segments 3 and 4 will require 40 feet of additional right-of-way width.

3.3 UTILITIES

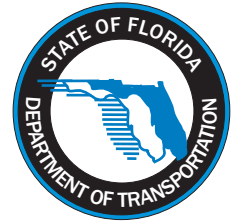
A field review in October 2001, as well as responses from the City of Brooksville, Bell South Communications, Williams Communications, Florida Power Corporation and Time Warner Cable, revealed some existing utilities, which are shown in **Exhibit 3.4**. FDOT's utility review also indicated Withlacoochee River Electric Cooperative utilities exist within the limits of the project; however, a response verifying the location of these utilities was not received.



Existing Utilities

Cobb Road (CR 485) / US 98 PD&E Study

WPI Segment Nos: 257299 1 & 405017 1
FAP Nos: 2891 007 P & 2891 008 P



3.4 PERMIT AGENCY COORDINATION

The SWFWMD Environmental Resource Permit (ERP) Permit Information Manual, Basis of Review (Part B, Section 4.4, 8/2000 version) states that “no net encroachment into the floodplain, up to that encompassed by the 100 year event, which will adversely affect either conveyance, storage, water quality or adjacent lands will be allowed.” If necessary, floodplain compensating storage will be equivalently provided “between the seasonal high water and the 100 year flood level” as required by the SWFWMD. Compliance with “Historic Basin Storage” (Section 4.7, Basis of Review for ERP) and “Offsite Lands” (Section 4.8, Basis of Review for ERP) criteria may also be necessary.

The drainage system for the proposed Cobb Road and US 98 improvements will be designed in accordance with the FDOT Drainage Manual and current standards, including Chapter 14-86. Stormwater treatment and attenuation is anticipated to be accomplished through the use of detention/retention ponds and/or swales in accordance with SWFWMD/Florida Department of Environmental Protection (FDEP) ERP rules (Chapters 40D-1, 40D-4, 40D-40, 40D-41, and 40D-400, F.A.C.). The applicable type of stormwater management facility is generally dependent upon topographic constraints, seasonal high water table depth, and soil types and permeabilities encountered. Floodplain compensating storage, if necessary, will also be provided as per applicable ERP rules mentioned previously.

A pre-application meeting was held with the Southwest Florida Water Management District (SWFWMD) on February 5, 2003. Minutes from this meeting are provided in **Appendix E**. The SWFWMD meeting resulted in the following general comments regarding design criteria:

- The entire project will be subject to closed basin criteria.
- Wet detention ponds will be required for the project.
- SWFWMD rules state that the 100-year pre/post volume must be physically retained in the pond; however, in order to meet FDOT criteria, the SWFWMD has allowed this volume to be detained. This volume will need to be determined based on a 100-year, 24-hour rainfall of 13 inches and stacked on top the SHWT.
- Treatment volumes will be based on the first 1 inch of runoff on the directly connected impervious area and stacked above the 100-year pre/post bleed down device.
- The discharge structure must also be sized to attenuate post-development peak rates of runoff from the 25-year, 24-hour rainfall event under full pond discharge conditions.

An erosion and sediment control plan will be prepared and implemented during construction of the proposed improvements. At a minimum, best management practices outlined in FDEP’s Land Development Manual will be used. Examples of these include slope and outfall protection, such as hay bales and staked silt fences, and floating turbidity barriers. A National Pollutant Discharge Elimination System permit will be required, which will include preparation of a Stormwater Pollution Prevention Plan. These measures will also prohibit undue base floodplain encroachments.

4.0 STORMWATER CONVEYANCE

4.1 EXISTING CONDITIONS

Stormwater collection and conveyance along Cobb Road and US 98 is achieved by means of roadside ditches and 35 cross drains. Data for each cross drain location is detailed in **Table 4.1**. A survey of the project study area, including existing cross drains, was conducted in the fall of 2001. **Table 4.1** reflects the existing cross drain information from the survey, as well as information from existing roadway plans data, FDOT D-7 *Straight Line Diagrams* and field reviews. The centerline survey of Cobb Road begins with station 30 + 00 at SR 50. Station 30 + 00 was assumed to be milepost 0.00 for purposes of this study. The project site was field reviewed on various dates in October 2001 and March 2002. **Exhibit 4.1** shows the approximate cross drain locations, as well as the primary drainage sub-basin boundaries. The plan sheets provided in **Appendix B** also show the cross drain locations.

Per discussion with the FDOT Brooksville Maintenance Office, no flooding problems have been identified with any of the existing drainage structures on this project, nor has there been a known overtopping of the existing roadway within the project limits. The overall direction of the groundwater potentiometric surface is from southeast to northwest.

Presently there are no stormwater treatment facilities that treat runoff from Cobb Road or US 98 within the project limits. The proposed roadway improvements may require extensions of existing cross drains and storm drain and/or roadside ditches will be utilized along the proposed alignment for conveyance toward stormwater management facilities.

4.2 DRAINAGE SUB-BASINS

Exhibit 4.1 shows the primary drainage basin boundaries potentially affected by the proposed improvements, as well as the estimated cross drain locations. Thirty-five distinct drainage sub-basins with potential to collect and route stormwater to feasible pond sites exist within the project limits. These sub-basins are also noted on the plan sheets in **Appendix B**. In most cases along this project, the existing cross drain acts as a sub-basin boundary since vertical clearance constraints do not permit conveyance of stormwater runoff across the existing channel associated with that cross drain. This is a conservative approach and the combination of sub-basins should be considered in the design phase when more engineering details are known. There are a few basins for which vertical clearance at the cross drain is not a constraint; therefore, discharge from these sub-basins was combined into one pond. A brief description of each sub-basin can be found in **Section 5.4** of this Report.

Table 4.1 Cobb Road and US 98 Existing Cross Drain Data

Cross Drain Site Number	Location		Source ⁽¹⁾ (Structure No.)	No. Pipes or Barrels	Size and Material	Length	
	C/L Survey Station	Milepost					
Cobb Road	1	30 + 84.00	0.019	Survey, Field	2	10' X 8' CBC	343'
	2	44 + 19.83	0.314	Survey, Field	1	30" RCP	153'
	3	52 + 97.00	0.480	Survey	1	24" RCP	127'
	4	72 + 00.46	0.841	Survey, Field	1	36" RCP	97'
	5	121 + 47.40	1.781	Survey, Field	1	8' X 4' CBC	~200'
	6	125 + 85	1.861	Survey, A (S-2), Field	1	30" RCP	141'
	7	131 + 25	1.961	Survey, A (S-3)	2	36" CMP	137', 144'
	8	137 + 76	2.085	Survey, A (S-4), Field	3	48" CMP	116'
	9	165 + 00	2.601	Survey, A (S-5), Field	2	36" CMP	86'
	10	184 + 70	2.976	Survey, A (S-6), Field	1	30" CMP	94'
	11	198 + 60	3.239	Survey, A (S-7), Field	1	30" CMP	90'
	12	204 + 00	3.341	Survey, A (S-8), Field	1	24" CMP	72'
	13	229 + 00	3.814	Survey, A (S-9), Field	2	36" CMP	86'
	14	248 + 25	4.179	Survey, A (S-10), Field	2	36" CMP	111'
	15	260 + 58	4.412	Survey, A (S-11), Field	2	24" RCP	119'
	16	264 + 47	4.485	Survey, A (S-12), Field	2	36" RCP	173'
US 98	17	351 + 65.60	4.592	Survey, B (S-13), Field	4	48" RCP	93'
	18	358 + 93.40	4.730	Survey, C (S-1), Field	1	30" RCP	108'
	19	369 + 88.39	4.937	Survey, C (S-16), Field	1	24" RCP	65'
	20	396 + 23.23	5.436	Survey, B (S-19), Field	1	48" RCP	88'
	21	413 + 89.35	5.771	Survey, B (S-21), Field	2	42" RCP	121'
	22	433 + 99.50	6.152	Survey, B (S-22), Field	1	30" RCP	87'
	23	460 + 50.30	6.654	Survey, B (S-25), Field	1	48" RCP	143'
	24	465 + 11.00	6.741	Survey, SLD	1	30" RCP	97'
	25	473 + 39.43	6.898	Survey, SLD, Field	1	48" RCP	111'
	26	484 + 40.26	7.106	Survey, B (S-28), Field	1	24" RCP	86'
	27	518 + 85.57	7.759	Survey, B (S-30), Field	2	36" RCP	90'
	28	537 + 69.85	8.116	Survey, D (S-1)	1	24" RCP	100'
	29	547 + 54.05	8.302	Survey, E (S-2), Field	1	30" RCP	85'
	30	596 + 52.56	9.230	Survey, E (S-3), Field	1	42" RCP	90'
	31	623 + 51.78	9.741	Survey, E (S-4), Field	1	24" RCP	86'
	32	652 + 52.16	10.290	Survey, SLD, Field	1	24" RCP	93'
	33	674 + 44.31	10.706	Survey, E (S-6), Field	3	77" X 50" CMP	96'
	34	684 + 52.62	10.896	Survey, Field	1	15" RCP	95'
	35	690 + 45.04	11.009	Survey, E (S-7), Field	3	72" X 48" CMP/RCP	174'

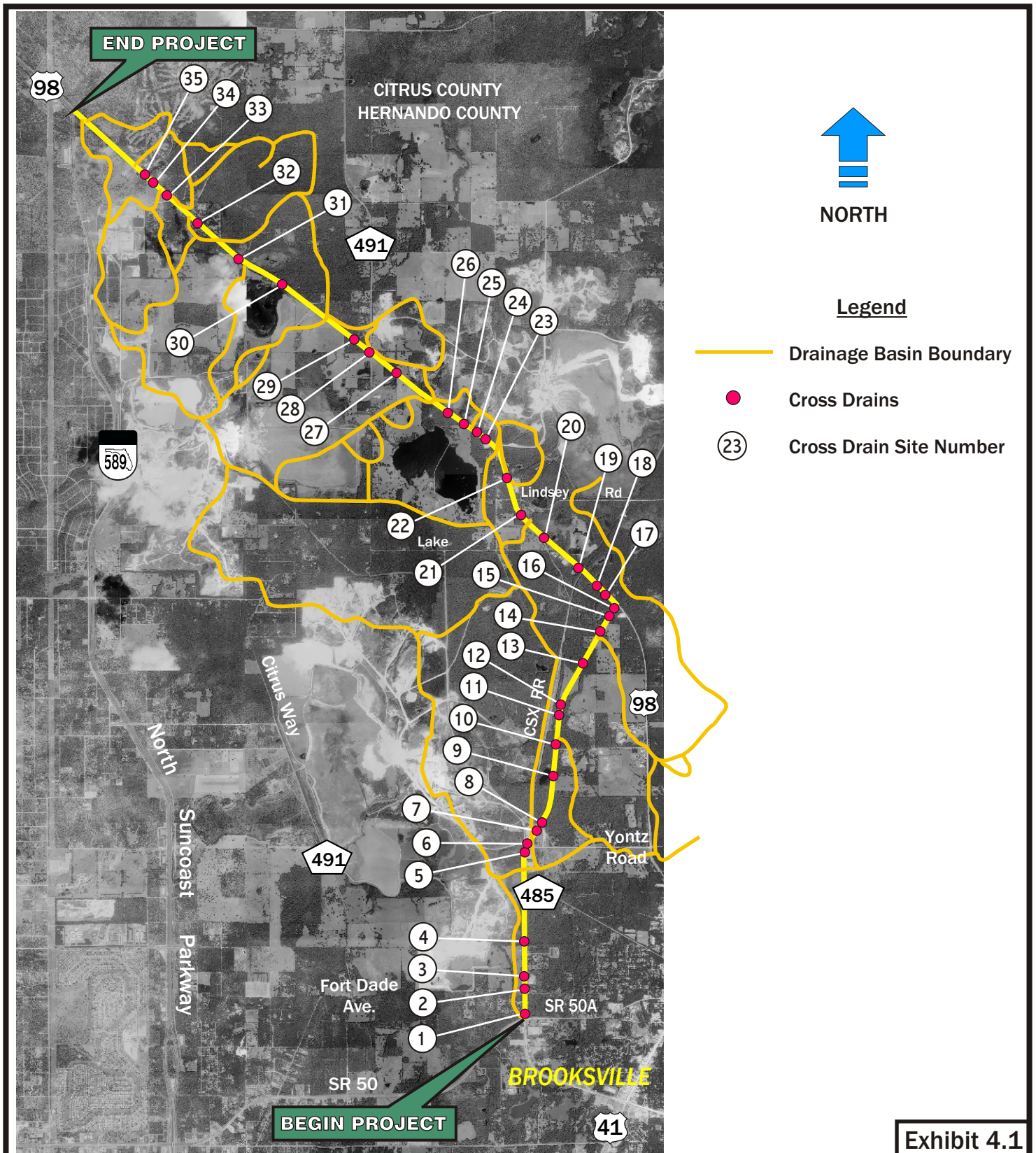
(1) Sources:

- (A) Construction Plans: CR 485 (SPN 08590-3606, FAP MARS-1599(1); Date Plans Approved - March 22, 1985)
- (B) Construction Plans: US 98 (Resurfacing/Widening) SPN 08080-3902, FAP No. HES-289-1(4); Date Plans Approved - November 17, 1987
- (C) Construction Plans: US 98 (Weigh Station) SPN 08080-3516; Date Plans Approved - February 7, 1992
- (D) Construction Plans: US 98 (Resurfacing/Widening) SPN 08080-3517, FPI 254838-1-52-01; Date Plans Submitted - October 15, 1999
- (E) Construction Plans: US 98 (Resurfacing/Widening) SPN 08080-3511, FAP No. F-289-1(3); Date Work Complete - February 19, 1987

(2) Note: Cobb Road CL Survey STA 265+00 approximately equals US 98 CL Survey STA 343+70

(3) Legend:

- CBC = Concrete Box Culvert
- RCP = Reinforced Concrete Pipe
- CMP = Corrugated Metal Pipe
- SLD = Straight Line Diagram

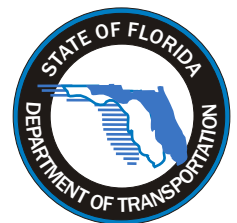


Drainage Sub-Basin Boundaries with Cross Drains

Cobb Road (CR 485) / US 98 PD&E Study

WPI Segment Nos: 257299 1 & 405017 1

FAP Nos: 2891 007 P & 2891 008 P



5.0 ALTERNATIVE STORMWATER MANAGEMENT FACILITIES

5.1 BASIS OF EVALUATION

Several factors have been evaluated for each alternative pond site (in addition to hydraulic feasibility). Environmental factors included evaluation of impacts to the 100-year base floodplain and wetland areas, and potential disturbance of protected species. Impacts to cultural resources were evaluated with a cultural resource survey at each alternative pond site. The potential for encountering hazardous materials and petroleum contamination at each site was also investigated. Economic factors that were evaluated included the cost of additional right-of-way and required drainage easements for each pond. Alternative pond sites are shown on the plan set in **Appendix B**.

5.2 POND SIZE ASSUMPTIONS

Due to the relatively shallow depths to the SHWT within the project limits, wet pond designs are proposed for all alternative pond sites.

Assumed pond dimension aspect ratio: Length = 2 x Width

Side Slopes: 1:6

Level Maintenance Area on Berm: 20 ft.

Freeboard: 1 ft.

Table 5.1 presents the preliminary design summary for each alternative pond site. See **Appendix F** for preliminary pond sizing spreadsheets, as well as an example pond size calculation.

5.3 RIGHT-OF-WAY AND CONSTRUCTION COSTS

Preliminary costs for right-of-way acquisition were determined by the Department for each Alternative Pond Site (see **Appendix G**). In most cases, the alternative pond site with the least right-of-way cost is the recommended site. However, in some basins, the least right-of-way cost was not chosen as the recommended site due to other associated costs. Wetland mitigation costs and incremental construction costs were accounted for in the total cost of the alternative pond sites and the recommended sites were chosen based on the least total cost. In some cases, the construction costs associated with the site that has the least amount of right-of-way cost actually offset the total cost enough to justify recommendation of a site that does not have the least amount of right-of-way cost. The results of these cost estimates are presented in **Table 5.2**.

Table 5.1 Design Summary

SUB-BASIN	ALTERNATIVE POND SITE	PROPOSED DRAINAGE AREA (AC)	REQ'D POND SIZE (AC)	CURVE NUMBER		100 YR POST-PRE ATTENUATION VOLUME (AC-FT)	TREATMENT VOLUME (AC-FT)	25 YR ATTENUATION VOLUME (AC-FT)	25 YR FLOWRATE (CFS)		ESTIMATED ELEVATION (FT)		
				PRE	POST				PRE	POST	PEAK STAGE WATER	TOP OF BANK	EXISTING EDGE OF PAVEMENT
1	1A	4.0	0.69	78	81	0.13	0.22	0.40	35	37	91	92	92
	1B	4.0	0.69	78	81	0.13	0.22	0.40	35	37	89.5	90.5	92
	1C	4.0	0.69	78	81	0.13	0.22	0.40	35	37	88	89	92
2	2A	2.8	0.92	83	90	0.21	0.15	0.50	19	34	96	97	98
	2B	2.8	0.92	83	90	0.21	0.15	0.50	19	34	95.5	96.5	98
	2C	2.8	0.92	83	90	0.21	0.15	0.50	19	34	92	93	98
3	3A	6.3	1.45	80	89	0.58	0.32	1.30	21	57	109	110	110
	3B	6.3	1.89	80	89	0.58	0.32	1.30	21	57	105	106	110
	3C	6.3	1.89	80	89	0.58	0.32	1.30	21	57	104	105	110
4	4A	16.7	2.19	82	89	1.26	0.72	1.80	69	70	117	118	121
	4B	16.7	2.19	82	89	1.26	0.72	1.80	69	70	116	117	120
5	5A	10.1	1.37	83	88	0.51	0.43	1.10	45	47	138	139	140
	5B	10.1	1.37	83	88	0.51	0.43	1.10	45	47	141	142	150
	5C	10.1	1.37	83	88	0.51	0.43	1.10	45	47	141	142	150
7	7A	3.4	0.76	63	74	0.45	0.14	0.30	10	14	136	137	140
	7B	3.4	0.76	63	74	0.45	0.14	0.30	10	14	139	140	140
	7C	3.4	0.76	63	74	0.45	0.14	0.30	10	14	139	140	140
8	8A	4.3	0.71	79	83	0.22	0.17	0.40	19	20	133	134	140
	8B	4.3	0.71	79	83	0.22	0.17	0.40	19	20	136	137	140
	8C	4.3	0.71	79	83	0.22	0.17	0.40	19	20	137	138	140
9	9A	7.0	1.12	82	88	0.47	0.28	0.80	25	27	121	122	123
	9B	7.0	1.12	82	88	0.47	0.28	0.80	25	27	118	119	119
	9C	7.0	1.12	82	88	0.47	0.28	0.80	25	27	121	122	123
10	10A	9.2	1.38	80	87	0.69	0.37	1.00	29	33	109	110	110
	10B	9.2	1.38	80	87	0.69	0.37	1.00	29	33	106	107	110
	10C	9.2	1.38	80	87	0.69	0.37	1.00	29	33	105.5	106.5	110
11	11A	6.9	1.39	83	89	0.4	0.29	0.80	29	32	98	99	101
	11B	6.9	1.39	83	89	0.4	0.29	0.80	29	32	92	93	101
12	12A	16.3	2.43	80	85	0.81	0.49	1.70	50	55	91	92	93
	12B	16.3	2.43	80	85	0.81	0.49	1.70	50	55	92	93	93
	12C	16.3	2.43	80	85	0.81	0.49	1.70	50	55	92	93	93
13	13A	12.7	1.87	77	82	0.63	0.34	1.20	38	42	83	84	84
	13B	12.7	1.44	77	82	0.63	0.34	1.20	38	42	82	83	84
	13C	12.7	1.44	77	82	0.63	0.34	1.20	38	42	80	81	84

Table 5.1 Design Summary

SUB-BASIN	ALTERNATIVE POND SITE	PROPOSED DRAINAGE AREA (AC)	REQ'D POND SIZE (AC)	CURVE NUMBER		100 YR POST-PRE ATTENUATION VOLUME (AC-FT)	TREATMENT VOLUME (AC-FT)	25 YR ATTENUATION VOLUME (AC-FT)	25 YR FLOWRATE (CFS)		ESTIMATED ELEVATION (FT)		
				PRE	POST				PRE	POST	PEAK STAGE WATER	TOP OF BANK	EXISTING EDGE OF PAVEMENT
14	14A	13.2	2.05	78	83	0.77	0.36	1.30	37	40	78	79	80
	14B	13.2	2.05	78	83	0.77	0.36	1.30	37	40	79	80	80
	14C	13.2	2.05	78	83	0.77	0.36	1.30	37	40	77	78	80
16	16A	5.0	0.94	77	82	0.25	0.13	0.50	19	20	77.5	78.5	80
	16B	5.0	0.94	77	82	0.25	0.13	0.50	19	20	77	78	80
	16C	5.0	0.94	77	82	0.25	0.13	0.50	19	20	76	77	80
17	17A	7.3	1.30	82	86	0.36	0.20	0.80	24	26	79	80	81
	17B	7.3	1.30	82	86	0.36	0.20	0.80	24	26	77	78	81
18	18A	11.9	1.76	81	85	0.5	0.32	1.20	43	47	79	80	83
	18B	11.9	1.76	81	85	0.5	0.32	1.20	43	47	79.5	80.5	83
	18C	11.9	1.76	81	85	0.5	0.32	1.20	43	47	79.5	80.5	83
	18D	11.9	1.76	81	85	0.5	0.32	1.20	43	47	80	81	83
19	19A	5.5	0.78	77	82	0.27	0.15	0.50	22	24	86	87	88
	19B	5.5	0.78	77	82	0.27	0.15	0.50	22	24	85	86	88
20	20A	6.8	1.16	78	82	0.28	0.18	0.70	30	32	78	79	85
	20B	6.8	1.16	78	82	0.28	0.18	0.70	30	32	79	80	85
21	21A	4.8	0.93	82	86	0.24	0.13	0.50	24	26	82	83	84
	21B	4.8	0.93	82	86	0.24	0.13	0.50	24	26	80	81	84
	21C	4.8	0.93	82	86	0.24	0.13	0.50	24	26	82	83	84
22	22A	13.2	1.72	70	78	1.21	0.36	1.20	40	48	82	83	84
	22B	13.2	1.72	70	78	1.21	0.36	1.20	40	48	83	84	84
	22C	13.2	1.72	70	78	1.21	0.36	1.20	40	48	83	84	84
23	23A	11.9	1.36	81	85	0.5	0.32	1.20	50	53	97	98	100
	23B	11.9	1.36	81	85	0.5	0.32	1.20	50	53	92	93	100
22/23	22-23D	25.1	2.65	75	81	1.67	0.68	2.40	84	95	83	84	84
24	24A	10.2	1.16	82	85	0.34	0.28	1.00	44	47	103	104	114
	24B	10.2	1.16	82	85	0.34	0.28	1.00	44	47	103	104	114
	24C	10.2	1.16	82	85	0.34	0.28	1.00	44	47	93	94	114
25	25A	3.6	0.64	82	86	0.18	0.10	0.40	18	19	103	104	117
	25B	3.6	0.64	82	86	0.18	0.10	0.40	18	19	113	114	117
26	26A	12.8	1.49	82	86	0.64	0.35	1.30	59	63	101	102	114
	26B	12.8	1.49	82	86	0.64	0.35	1.30	59	63	113	114	114
25/26	25-26D	16.5	1.82	82	86	0.82	0.45	1.70	76	82	83	84	114
27	27A	17.5	2.53	80	85	0.88	0.47	1.80	70	76	117	118	122
	27B	17.5	2.53	80	85	0.88	0.47	1.80	70	76	121	122	122
	27C	17.5	2.53	80	85	0.88	0.47	1.80	70	76	115	116	122

Table 5.1 Design Summary

SUB-BASIN	ALTERNATIVE POND SITE	PROPOSED DRAINAGE AREA (AC)	REQ'D POND SIZE (AC)	CURVE NUMBER		100 YR POST-PRE ATTENUATION VOLUME (AC-FT)	TREATMENT VOLUME (AC-FT)	25 YR ATTENUATION VOLUME (AC-FT)	25 YR FLOWRATE (CFS)		ESTIMATED ELEVATION (FT)		
				PRE	POST				PRE	POST	PEAK STAGE WATER	TOP OF BANK	EXISTING EDGE OF PAVEMENT
28	28A	9.4	1.55	82	86	0.47	0.25	1.00	34	36	120	121	121
	28B	9.4	1.55	82	86	0.47	0.25	1.00	34	36	112	113	121
	28C	9.4	1.55	82	86	0.47	0.25	1.00	34	36	116	117	121
29	29A	20.5	2.03	78	82	0.85	0.55	2.00	66	71	116	117	122
	29B	20.5	2.03	78	82	0.85	0.55	2.00	66	71	108	109	122
	29C	20.5	2.03	78	82	0.85	0.55	2.00	66	71	not hydraulically feasible		122
30	30A	28.9	2.70	80	84	1.2	0.78	2.90	96	103	73	74	75
	30B	28.9	2.70	80	84	1.2	0.78	2.90	96	103	73	74	75
31	31A	18.5	1.94	77	82	0.93	0.50	1.80	54	59	73	74	77
	31B	18.5	1.94	77	82	0.93	0.50	1.80	54	59	73	74	77
	31C	18.5	1.94	77	82	0.93	0.50	1.80	54	59	70	71	78
32	32A	11.2	1.33	77	82	0.56	0.30	1.10	44	48	68	69	70
	32B	11.2	1.33	77	82	0.56	0.30	1.10	44	48	68	69	70
	32C	11.2	1.33	77	82	0.56	0.30	1.10	44	48	68	69	70
33	33A	6.6	1.37	53	68	1.16	0.18	0.70	11	19	65	66	70
	33B	6.6	1.37	53	68	1.16	0.18	0.70	11	19	67	68	70
	33C	6.6	1.37	53	68	1.16	0.18	0.70	11	19	67	68	70
34	34A	7.9	1.28	47	58	1.06	0.21	0.60	9	15	58	59	65
	34B	7.9	1.28	47	58	1.06	0.21	0.60	9	15	68	69	70
	34C	7.9	1.28	47	58	1.06	0.21	0.60	9	15	61	62	65
35	35A	11.5	1.60	49	59	1.43	0.29	0.80	12	19	56	57	58
	35B	11.5	1.60	49	59	1.43	0.29	0.80	12	19	56	57	58
	35C	11.5	1.60	49	59	1.43	0.29	0.80	12	19	54	55	58

Table 5.2 Pond Alternatives Evaluation Matrix

Alternative SMF I.D.#	Approximate Station, Side	Pond Area (acres)	Drainage Easement (acres)	Est. Ground Elevation (ft)	Est. SHWT Depth (ft)	Soils Name (HSG)	Land Use	Cultural Resource Impact Probability Zone	Contamination Potential	T&E Species Disturbance Potential	Floodplain Impact	Wetland Impact (acres)	Wetland Mitigation Cost ¹	Incremental Construction Considerations	Construction Cost Estimate	R/W Cost Estimate ⁶	Total Cost Estimate
1A	36+00, Right	0.69	0.00	88-90	1.0	Kendrick (A)	Forested	Low	None	None	0.00	0.00	\$0	250' of 18" Pipe ²	\$7,500	\$327,400	\$334,900
1B	36+00, Right	0.72	0.17	87-88	1.5	Kendrick (A)	Forested	Low	None	None	0.00	0.00	\$0			\$539,700	\$539,700
1C	34+00, Right	0.65	0.00	86-88	2.0	Kendrick (A)	Forested	Low	Low	None	0.00	0.00	\$0			\$596,700	\$596,700
2A	45+00, Left	0.56	0.00	93-96	2.0	Blichton (D)	Field	Low	Low	None	0.00	0.00	\$0			\$160,600	\$160,600
2B	45+00, Left	0.55	0.14	93-95	1.5	Blichton (D)	Field	Low	None	None	0.00	0.00	\$0			\$305,600	\$305,600
2C	45+00, Right	0.56	0.06	87-96	1.0	Blichton (D)	Field	Low	Low	None	0.00	0.07	\$5,852			\$212,400	\$218,252
3A	59+00, Left	1.30 ⁵	0.00	107.5-111	0.5	Micanopy (C)	Field	Medium	None	None	0.00	0.00	\$0	350' of 24" Pipe ²	\$14,000	\$91,500 ⁵	\$105,500
3B	58+00, Right	1.64	0.00	104-107	2.0	Micanopy (C)	Field	Medium	None	None	0.00	0.00	\$0			\$321,200	\$321,200
3C	56+00, Left	1.84	0.00	102-106	0.0	Micanopy (C)	Field	Medium	None	None	0.00	0.00	\$0			\$91,500	\$91,500
4A	76+00, Right	3.22	0.00	113-117	0.0	Flemington (D)	Forested	Low	None	None	0.00	0.00	\$0			\$203,800	\$203,800
4B	72+00, Left	3.32	0.00	114-120	2.0	Kendrick (A)	Forested	Low	None	None	0.00	0.00	\$0			\$101,300	\$101,300
5A	126+00, Right	1.66	0.00	135-145	0.0	Nobleton (C)	Forested	Low	None	None	0.00	0.00	\$0			\$237,000	\$237,000
5B	121+50, Right	1.31	0.00	138-149	0.0	Nobleton (C)	Business	Low	None	None	0.00	0.03	\$2,508			\$2,622,900	\$2,625,408
5C	121+50, Right	1.36	0.00	138-145	0.0	Nobleton (C)	Business	Low	None	None	0.00	0.00	\$0			\$2,639,000	\$2,639,000
7A	136+50, Left	0.75	0.00	132-139	2.0	Kendrick (A)	Field	Low	None	None	0.00	0.00	\$0			\$0	\$0
7B	135+00, Right	0.59	0.00	137-142	2.5	Kendrick (A)	Field	Low	None	None	0.00	0.00	\$0			\$0	\$0
7C	135+50, Right	1.05	0.00	135-142	2.0	Kendrick (A)	Driveway	Low	None	<i>Justicia cooleyi</i>	0.00	0.00	\$0			\$296,700	\$296,700
8A	138+75, Left	0.79	0.00	128-132	0.0	Nobleton (C)	Forested	Low	None	None	0.00	0.00	\$0			\$175,300	\$175,300
8B	139+00, Right	0.76	0.00	133-138	0.5	Nobleton (C)	Forested	Low	None	<i>Justicia cooleyi</i>	0.00	0.00	\$0			\$121,100	\$121,100
8C	141+00, Right	0.77	0.11	135-141	0.5	Nobleton (C)	Forested	Low	None	<i>Justicia cooleyi</i>	0.00	0.00	\$0			\$236,300	\$236,300
9A	160+00, Left	1.35	0.00	110-124	0.0	Flemington (D)	Forested	Medium	None	None	0.00	0.00	\$0			\$215,000	\$215,000
9B	163+50, Right	1.31	0.00	116.5-121	1.5	Flemington (D)	Forested/Field	Medium	None	None	0.00	0.00	\$0			\$212,500	\$212,500
9C	159+00, Left	1.31	0.20	113-123	0.0	Flemington (D)	Forested	Medium	None	None	0.00	0.00	\$0			\$224,800	\$224,800
10A	182+00, Left	1.94	0.00	109-113	0.0	Blichton (D)	Forested	Low	None	None	0.00	0.06	\$5,016			\$119,900	\$124,916
10B	183+00, Left	1.89	0.21	103-108	0.0	Blichton (D)	Forested	Low	None	None	0.00	0.01	\$836			\$67,500	\$68,336
10C	181+50, Right	1.48	0.00	103-107	2.5	Blichton (D)	Forested	Low/Section 4(f)	None	None	0.00	0.01	\$836			\$119,900	\$120,736
11A	196+75, Left	1.37	0.00	90-102	2.0	Blichton (D)	Forested	Low	None	None	0.00	0.00	\$0			\$69,100	\$69,100
11B	196+75, Left	1.33	0.39	89-104	2.0	Blichton (D)	Forested	Low	None	None	0.00	0.00	\$0			\$71,000	\$71,000
12A	218+50, Left	4.37	0.00	90-94	3.0	Flemington (D)	Field	Low	None	None	0.00	0.00	\$0			\$95,400	\$95,400
12B	217+50, Right	4.43	0.00	91-94	0.5	Flemington (D)	Field	Low	None	None	0.00	0.00	\$0			\$191,400	\$191,400
12C	220+00, Left	4.43	0.16	91-95	1.5	Flemington (D)	Field/Forested	Low	None	None	0.00	0.00	\$0			\$113,300	\$113,300
13A	242+50, Right	2.94	0.00	83-85	*	Nobleton (C)	Field	Low	None	None	0.00	0.00	\$0			\$196,500	\$196,500
13B	246+00, Left	2.15	0.00	80-86	2.0	Nobleton (C)	Forested/Field	Medium	None	None	0.00	0.00	\$0			\$123,300	\$123,300
13C	247+50, Left	2.50	0.31	76-82	2.5	Nobleton (C)	Forested	Medium	None	None	0.00	0.00	\$0			\$451,400	\$451,400
14A	263+00, Left	4.01	0.00	76-78	1.0	Blichton (D)	Forested	Low	None	None	0.00	1.34	\$112,024			\$500,800	\$612,824
14B	258+00, Center	0.68	0.00	79-80	*	Nobleton (C)	Forested/Existing Cobb Rd.	Low	None	None	0.00	0.00	\$0			\$15,000	\$15,000
14C	258+75, Left	3.20	0.00	73-76	0.0	Nobleton (C)	Forested	Low	None	None	0.00	0.06	\$5,016			\$256,100	\$261,116
16A	356+00, Left	1.47	0.00	76-77	0.5	Micanopy (C)	Forested	Medium	None	None	0.00	0.00	\$0			\$51,900	\$51,900
16B	357+75, Left	1.47	0.30	76-77	2.0	Micanopy (C)	Forested	Medium	None	None	0.00	0.00	\$0			\$58,900	\$58,900

Table 5.2 Pond Alternatives Evaluation Matrix

Alternative SMF I.D.#	Approximate Station, Side	Pond Area (acres)	Drainage Easement (acres)	Est. Ground Elevation (ft)	Est. SHWT Depth (ft)	Soils Name (HSG)	Land Use	Cultural Resource Impact Probability Zone	Contamination Potential	T&E Species Disturbance Potential	Floodplain Impact	Wetland Impact (acres)	Wetland Mitigation Cost ¹	Incremental Construction Considerations	Construction Cost Estimate	R/W Cost Estimate ⁶	Total Cost Estimate
16C	354+00, Center	0.71	0.00	74-80	1.0	Micanopy (C)	Forested/Existing US 98	Medium	None	None	0.00	0.20	\$16,720			\$282,900	\$299,620
17A	361+75, Left	2.05	0.00	77-78	0.0	Blichton (D)	Forested	Medium	None	None	0.00	0.31	\$25,916			\$66,500	\$92,416
17B	362+25, Right	1.96	0.00	77-78	2.0	Wauchula (D)	Forested	Medium	None	None	0.58	0.09	\$7,524			\$283,800	\$291,324
18A	372+25, Right	2.31	0.00	80-82	3.0	Blichton (D)	Forested	High/Section 4(f)	None	None	0.00	0.04	\$3,344			\$0	\$3,344
18B	372+50, Right	2.22	0.21	80-82	2.5	Blichton (D)	Forested	High/Section 4(f)	None	None	0.26	0.04	\$3,344			\$0	\$3,344
18C	373+50, Left	2.53	0.00	80-84	2.5	Blichton (D)	Residential	Low	None	None	0.00	0.00	\$0			\$416,600	\$416,600
18D	370+75, Left	2.97	0.00	78-81	2.0	Blichton (D)	Forested		None	None	0.00	0.26	\$21,736			\$309,900	\$331,636
19A	393+25, Left	0.97	0.00	83-90	0.0	Micanopy (C)	Forested	High	None	None	0.00	0.00	\$0			\$29,700	\$29,700
19B	391+50, Right	1.05	0.00	80-85	0.0	Micanopy (C)	Forested	High	None	None	0.08	0.00	\$0			\$696,500	\$696,500
20A	398+25, Right	1.39	0.00	77-80	1.0	Micanopy (C)	Forested	Medium	None	None	1.00	0.05	\$4,180			\$310,400	\$314,580
20B	400+50, Right	1.44	0.00	76-79	0.0	Micanopy (C)	Forested	Medium	None	None	0.85	0.18	\$15,048			\$240,300	\$255,348
21A	411+50, Right	1.01	0.00	79-82	0.0	Wauchula (D)	Residential	High	None	None	0.00	0.00	\$0			\$179,400	\$179,400
21B	412+25, Right	1.14	0.10	78 - 79	0.5	Wauchula (D)	Field/Wetland	High	None	None	0.00	0.39	\$32,604			\$237,300	\$269,904
21C	410+50, Left	2.70	0.00	80-87	2.0	Wauchula (D)	Forested	Medium	None	None	0.00	0.55	\$45,980			\$82,900	\$128,880
22A	416+00, Right	2.12	0.00	77-86	1.0	Wauchula (D)	Field/Wetland	Medium	None	None	0.00	0.29	\$24,244			\$237,900	\$262,144
22B	417+25, Left	2.18	0.00	80-85	0.0	Wauchula (D)	Forested	Medium	None	None	0.00	0.00	\$0			\$70,000	\$70,000
22C	417+25, Left	2.44	0.32	82-87	1.0	Wauchula (D)	Field	Medium	None	None	0.00	0.00	\$0			\$185,200	\$185,200
23A	432+25, Left	1.84	0.00	92-98	0.5	Wauchula (D)	Forested	Medium	Low	None	0.00	0.00	\$0			\$166,100	\$166,100
23B	428+75, Left	1.78	0.00	89-92	1.0	Wauchula (D)	Forested	Medium	Low	None	0.00	0.00	\$0			\$192,900	\$192,900
22-23 D	415+75, Left	4.73	0.32	82-92	1.0	Wauchula (D)	Field	Medium	None	None	0.00	0.00	\$0			\$242,700	\$242,700
24A	460+75, Left	2.41	0.00	96-115	*	Blichton (D)	Field	Medium	None	None	0.00	0.14	\$11,704	250'x10' retaining wall ³ + 200'x10' slope stabilization ⁴	\$69,000	\$208,100	\$288,804
24B	463+50, Left	2.42	0.00	95-115	0.0	Blichton (D)	Field	Medium	None	None	0.00	0.16	\$13,376	250'x10' retaining wall ³ + 200'x10' slope stabilization ⁴	\$69,000	\$147,600	\$229,976
24C	462+25, Left	1.92	0.65	88-94	*	Blichton (D)	Field	Medium	None	None	0.00	0.00	\$0	600' of 18" Pipe ²	\$18,000	\$166,500	\$184,500
25A	472+25, Left	0.84	0.00	100-118	0.0	Flemington (D)	Field	High	None	None	0.00	0.03	\$2,508	225'x10' retaining wall ³	\$53,000	\$31,100	\$86,608
25B	471+75, Right	0.93	0.00	110-125	0.0	Flemington (D)	Forested	Medium	None	None	0.00	0.00	\$0			\$134,000	\$134,000
26A	476+50, Left	1.85	0.00	98-110	1.0	Flemington (D)	Forested	High	None	None	0.00	0.01	\$836			\$66,200	\$67,036
26B	475+50, Right	1.95	0.00	110-125	0.0	Flemington (D)	Forested	High	None	None	0.00	0.00	\$0			\$149,100	\$149,100
25-26 D	473+00, Left	2.98	0.73	80-87	0.0	Blichton (D)	Field	High	None	None	0.00	0.02	\$1,672			\$148,800	\$150,472
27A	515+25, Left	3.12	0.00	114 - 118	0.5	Flemington (D)	Pasture	Low	None	None	0.00	0.01	\$836			\$69,100	\$69,936
27B	517+00, Right	3.17	0.00	121 - 131	1.0	Flemington (D)	Field	Low	None	None	0.00	0.00	\$0			\$204,100	\$204,100
27C	514+00, Left	2.64	0.75	113-118	*	Flemington (D)	Pasture	Low	None	None	0.00	0.00	\$0			\$72,500	\$72,500
28A	520+25, Right	1.83	0.00	119-126	0.5	Flemington (D)	Field	Low	None	None	0.00	0.00	\$0			\$168,200	\$168,200
28B	520+25, Left	1.65	0.14	110-114	0.5	Flemington (D)	Pasture	Low	None	None	0.00	0.00	\$0			\$50,100	\$50,100
28C	521+00, Left	1.74	0.00	114-117	0.5	Flemington (D)	Residential	Low	None	None	0.00	0.00	\$0			\$212,700	\$212,700
29A	550+25, Left	2.85	0.00	112-118	0.5	Micanopy (C)	Forested	Low	None	None	0.00	0.08	\$6,688			\$86,900	\$93,588
29B	549+25, Left	2.63	0.30	100-115	1.0	Micanopy (C)	Forested	Low	None	None	0.00	0.17	\$14,212			\$106,500	\$120,712

Table 5.2 Pond Alternatives Evaluation Matrix

Alternative SMF I.D.#	Approximate Station, Side	Pond Area (acres)	Drainage Easement (acres)	Est. Ground Elevation (ft)	Est. SHWT Depth (ft)	Soils Name (HSG)	Land Use	Cultural Resource Impact Probability Zone	Contamination Potential	T&E Species Disturbance Potential	Floodplain Impact	Wetland Impact (acres)	Wetland Mitigation Cost ¹	Incremental Construction Considerations	Construction Cost Estimate	R/W Cost Estimate ⁶	Total Cost Estimate
29C	550+25, Right	3.63	0.00	124-130	0.5	Micanopy (C)	Forested	Low	None	None	0.00	0.00	\$0			\$285,000	\$285,000
30A	591+00, Left	3.89	0.00	71-75	0.5	Nobleton (C)	Pasture	Medium	None	None	0.00	0.35	\$29,260			\$77,200	\$106,460
30B	592+00, Left	3.78	0.42	72-85	1.0	Nobleton (C)	Pasture	Low	None	None	0.00	0.51	\$42,636			\$78,000	\$120,636
31A	622+25, Left	2.56	0.00	70-75	2.5	Nobleton (C)	Pasture	High	None	None	0.00	0.00	\$0			\$56,400	\$56,400
31B	623+75, Right	2.49	0.00	70-82	2.0	Nobleton (C)	Forested	High	None	None	0.44	0.11	\$9,196			\$182,600	\$191,796
31C	627+50, Left	2.45	0.00	60-72	3.0	Nobleton (C)	Pasture	High	None	None	0.00	0.00	\$0			\$54,800	\$54,800
32A	650+00, Left	2.07	0.00	62-73	0.5	Nobleton (C)	Field/Wetland	High	None	None	0.00	0.24	\$20,064			\$61,500	\$81,564
32B	646+00, Right	2.09	0.00	62-71	2.0	Nobleton (C)	Field	High	None	None	0.29	0.00	\$0			\$348,400	\$348,400
32C	646+50, Left	2.24	0.00	67-72	2.5	Nobleton (C)	Field/Forested	High	None	None	0.00	0.21	\$17,556			\$492,700	\$510,256
33A	654+50, Right	1.74	0.00	57-70	1.0	Nobleton (C)	Field/Forested	High	None	None	0.26	0.00	\$0			\$139,100	\$139,100
33B	653+50, Left	1.75	0.48	65-70	2.5	Nobleton (C)	Field	High	None	None	0.00	0.00	\$0			\$163,800	\$163,800
33C	654+50, Left	1.45	0.24	67-75	6.0	Nobleton (C)	Residential	High	None	None	0.00	0.00	\$0			\$911,700	\$911,700
34A	675+25, Right	1.52	0.00	53-58	0.0	Kendrick (A)	Forested	High	None	None	0.00	0.05	\$4,180			\$238,400	\$242,580
34B	666+25, Left	1.36	0.00	60-69	*	Kendrick (A)	Residential	High	None	None	0.00	0.00	\$0			\$354,100	\$354,100
34C	674+00, Right	1.71	0.44	54-66	2.0	Kendrick (A)	Forested	High	None	None	0.00	0.05	\$4,180			\$241,900	\$246,080
35A	687+00, Left	1.33	0.00	55-56	*	Sparr (C)	Field	Low	None	None	0.00	0.00	\$0			\$48,400	\$48,400
35B	684+50, Left	1.86	0.00	56-60	*	Kendrick (A)	Field	High	None	None	0.00	0.00	\$0			\$79,100	\$79,100
35C	688+00, Right	1.30	0.00	53-56	3.0	Kendrick (A)	Field	High	None	None	0.00	0.00	\$0			\$212,900	\$212,900

¹ Wetland mitigation costs equivalent to \$83,598.00/ac

² Assume Class II concrete pipe; 18" @ \$30/lf, 24" @ \$40/lf, 36" @ \$62/lf

³ Assume \$212/sy of retaining wall

⁴ Assume \$5/sf of slope stabilization (geosynthetic material)

⁵ Pond design depth decreased to 2 ft. based on recent soil boring information, resulting in design area of 1.84 ac. Assume the same right-of-way cost for 3A (1.84 ac) and 3C (1.84 ac) since both sites are on frontage property of the same parcel.

⁶ Right-of-way costs include necessary easements.

* Information not available

5.4 ALTERNATIVE POND SITE LOCATIONS AND RECOMMENDATIONS

Table 5.1 presents an evaluation matrix for all alternative pond sites. This matrix was used to compare characteristics of all alternative pond sites for each sub-basin and reach a recommended pond site for each sub-basin. A meeting was held with FDOT District 7 on March 10, 2003, at which time concurrence with the following recommended pond sites was reached.

Sub-basin #1 exists at the south end of the project and consists of the right-of-way area between stations 31+00 and 44+20. Runoff is currently captured in grate or curb inlets and routed via an existing storm drain system to Cross Drain #1 and discharges to the west along SR 50.

Alternative Pond Site 1A is located 140 ft. right of centerline along Cobb Road at station 36+00. This site is located at the frontage of a vacant lot in the northeast quadrant of the intersection at Lee Avenue. Discharge from this pond would be to a drainage ditch via storm drain along the west side of Cobb Road towards the south. An incremental construction cost has been accounted for in the total cost of this pond site to include approximately 250 feet of 18-inch storm drain at \$30 per linear foot.

Alternative Pond Site 1B is located 285 ft. right of centerline along Cobb Road at station 36+00. This site is located just east of the frontage property for which Alternative Pond Site 1A is located. Discharge from this pond would be to a drainage ditch to the east, which leads to Wetland 1 to the south. Outfall to this drainage ditch would be achieved along the northern side of Lee Avenue. A drainage easement would be required to route collected stormwater to this pond site. This easement is along the northern side of Lee Avenue.

Alternative Pond Site 1C is located 150 ft. right of centerline along Cobb Road at station 34+00. This site is located at the frontage of a vacant lot in the southeast quadrant of the intersection at Lee Avenue. Discharge from this pond would be to a drainage ditch to the east, which leads to Wetland 1 to the south. Direct outfall to this drainage ditch is possible.

Alternative Pond Site **1A** is recommended for Sub-basin #1. This site represents the least cost alternative.

Sub-basin #2 consists of the right-of-way area between stations 44+20 and 53+00. Overland flow that is currently toward Wetlands 3 and 4 pops off into an existing roadside ditch system that conveys runoff to Cross Drain #2, which flows to the east.

Alternative Pond Site 2A is located 125 ft. left of centerline along Cobb Road at station 45+00. This site is located at the frontage of a vacant lot in the northwest quadrant of the intersection at Fort Dade Avenue.

Discharge from this pond would be achieved via Cross Drain #2 and along the northern side of Fort Dade Avenue to the east.

Alternative Pond Site 2B is located 245 ft. left of centerline along Cobb Road at station 45+00. This site is located just west of the frontage property for which Alternative Pond Site 2A is located. Discharge from this pond would be achieved via Cross Drain #2 and along the northern side of Fort Dade Avenue to the east.

Alternative Pond Site 2C is located 360 ft. right of centerline along Cobb Road at station 45+00. This site is located behind the Shop & Save Gas Station, to the east. Discharge from this pond would be directly to Wetland 2a north of Fort Dade Avenue. A drainage easement would be required to route collected stormwater from the ditch along the northern side of Fort Dade Avenue to this pond site.

Alternative Pond Site **2A** is recommended for Sub-basin #2. This site represents the least cost alternative.

Sub-basin #3 consists of the right-of-way area between stations 53+00 and 72+00 (Cross Drain #4). Runoff via roadside ditch and overland flow is currently toward Wetlands 3 and 4.

Alternative Pond Site 3A is located 220 ft. left of centerline along Cobb Road at station 59+00. This site is located on vacant upland property north of Old Cobb Road and Wetland 4. Discharge from this pond would be to Wetland 4 to the south. Outfall to Wetland 4 would be achieved via a storm drain along the west side of Cobb Road (an additional 350 ft. of 24" pipe). Right-of-way costs for this pond site (\$69,400) were based on an area of 1.3 acres, which was derived from pond sizing calculations that utilized a 3-foot pond depth. Based on soil boring information provided by Williams Earth Sciences on February 28, 2003, a 3-foot pond depth would not be feasible at this pond site; therefore, pond sizing calculations were revisited utilizing a 2-foot pond depth. Based on a design pond depth of 2 feet, the area required for this pond is 1.89 acres, an area equivalent to the area needed for Alternative Pond Site 3C. Since Alternative Pond Sites 3A and 3C are both located on frontage property of the same parcel, it is assumed that the right-of-way cost for site 3A (1.84 ac.) and 3C (1.84 ac.) would be equivalent. Therefore, it is assumed that the right-of-way cost for Alternative Pond Site 3A (with an increased area equal to 1.84 ac.) is \$91,500.

Alternative Pond Site 3B is located 205 ft. right of centerline along Cobb Road at station 58+00. This site is located on a vacant upland lot just north of Old Cobb Road and Wetland 3. Discharge from this pond site southward to Wetland 3 would be achieved via a culvert under Old Cobb Road.

Alternative Pond Site 3C is located 205 ft. left of centerline along Cobb Road at station 56+00. This site is located on vacant upland property just north of and adjacent to Wetland 4 and south of Alternative Pond Site 3A. Direct discharge from this pond site to Wetland 4 is possible.

Alternative Pond Site **3C** is recommended for Sub-basin #3. This pond site is located further downstream than Alternative Pond Site 3A, eliminating the need for additional conveyance along Cobb Road from the pond site to Wetland 4. When comparing estimated right-of-way costs and additional construction costs that would be necessary for site 3A, Alternative Pond Site 3C represents the least cost alternative.

Sub-basin #4 consists of the right-of-way area between stations 72+00 and 109+40. Runoff via roadside ditch and overland flow is currently toward Cross Drain #4, ultimately draining southeast toward Wetland 5b.

Alternative Pond Site 4A is located 240 ft. right of centerline along Cobb Road at station 76+00. This site is located on the frontage of vacant forested upland property. Ultimately, discharge from this pond site would be to the southeast, toward Wetland 5b.

Alternative Pond Site 4B is located 240 ft. left of centerline along Cobb Road at station 72+00. This site is located on the frontage of vacant forested upland property that has been impacted by existing mining operations. Ultimately, discharge from this pond site would be achieved via Cross Drain #4 to the east and toward Wetland 5b to the southeast.

A third alternative pond site for this sub-basin was not feasible due to constraints regarding the lack of hydraulic feasibility of the surrounding land (quarry activity) and the need to maintain existing off-site flow patterns.

Alternative Pond Site **4B** is recommended for Sub-basin #4. This site represents the least cost alternative.

Sub-basin #5 consists of the right-of-way area between stations 109+40 and 130+50. Sub-basin #5 represents a combination of two smaller sub-basins. Runoff via roadside ditch and overland flow is currently toward Cross Drains #5 and #6 to the east of Cobb Road, ultimately discharging to a point west of Cobb Road along the west side of Mine Camp Road toward the north.

Alternative Pond Site 5A is located 170 ft. right of centerline along Cobb Road at station 126+00. This triangular-shaped site is bound by Cobb Road to the west, Yontz Road to the south and the CSX Railroad to the east on vacant upland property. Discharge from this pond site would be achieved via Cross Drain #6 to the west and along the west side of Mine Camp Road toward the north. Off-site flow would remain

separated from on-site runoff through the use of a storm drain system that connects the existing concrete box culvert (CBC) to Cross Drain #6.

Alternative Pond Site 5B is located 200 ft. right of centerline along Cobb Road at station 121+50. This site is located on the frontage of property owned by the Florida Crushed Stone Maintenance Facility on the southeast corner of Cobb Road and Yontz Road. Use of this pond site would require off-site drainage from the west side of Cobb Road to be re-routed to cross under Yontz Road on the west side of Cobb Road, heading north. Discharge from this pond site would then be achieved via a cross drain under Yontz Road on the east side of Cobb Road, which would eventually drain to Cross Drain #6 to the west and along the west side of Mine Camp Road toward the north.

Alternative Pond Site 5C is located 350 ft. right of the centerline along Cobb Road at station 121+50. This site is located off of Cobb Road frontage on property owned by the Florida Crushed Stone Maintenance Facility. Discharge from this pond site would be achieved via a cross drain under Yontz Road to the north, which would ultimately drain to Cross Drain #6 to the west and along the west side of Mine Camp Road toward the north.

Alternative Pond Site **5A** is recommended for Sub-basin #5. Alternative Pond Sites 5B and 5C are associated with significantly higher costs due to business damages. Furthermore, Alternative Pond Site 5B would require re-routing of the natural drainage pattern to cross Yontz Road on the west side of Cobb Road toward the north. The location of Alternative Pond Site 5A maximizes the capture of stormwater runoff from this sub-basin.

Sub-basin #7 consists of the right-of-way area between stations 130+50 and 137+75. Runoff via roadside ditch and overland flow is currently toward Cross Drain #8, ultimately draining from Wetland 9 to the northwest.

Alternative Pond Site 7A is located 170 ft. left of the centerline along Cobb Road at station 136+50. This site is located on vacant frontage property owned by FDOT. Discharge from this pond site would be toward the downstream (left) side of Cross Drain #8, then to the north along the east side of the CSX Railroad.

Alternative Pond Site 7B is located 135 ft. right of the centerline along Cobb Road at station 135+00. This site is located on vacant frontage property owned by FDOT. Discharge from this pond site would be through an existing side drain toward the upstream (right) side of Cross Drain #8.

Alternative Pond Site 7C is located 285 ft. right of the centerline along Cobb Road at station 135+50. This site is located at the back end of a residential lot off of Yontz Road, which currently has driveway access to Cobb Road. This access would be eliminated. Discharge from this pond site would be toward the upstream end of Cross Drain #8.

Alternative Pond Site 7A is recommended for Sub-basin #7. Alternative Pond Sites 7A and 7B are currently owned by FDOT; therefore, no right-of-way costs would be involved with these pond sites. Alternative Pond Site 7C is associated with high right-of-way costs. Alternative Pond Site 7A is more desirable than Alternative Pond Site 7B since it is further downstream and would not require discharge under the existing driveway.

Sub-basin #8 consists of the right-of-way area between stations 137+75 and 147+00. Runoff via overland flow is currently toward Cross Drain #8, ultimately draining from Wetland 9 to the northwest.

Alternative Pond Site 8A is located 180 ft. left of the centerline along Cobb Road at station 138+75. This site is located along the frontage of vacant forested property. Discharge from this pond site would be toward the downstream side of Cross Drain #8.

Alternative Pond Site 8B is located 170 ft. right of the centerline along Cobb Road at station 139+00. This site is located along the frontage of vacant, partially-forested property. Discharge from this pond site would be toward Wetland 9 at the upstream end of Cross Drain #8.

Alternative Pond Site 8C is located 125 ft. right of the centerline along Cobb Road at station 141+00. This site is located along the frontage of vacant forested property. Discharge from this pond site would be toward Wetland 9 at the upstream end of Cross Drain #8. A drainage easement would be required for this discharge.

Alternative Pond Site 8A is recommended for Sub-basin #8. Alternative Pond Sites 8B and 8C both have potential impacts to the existing endangered plant species, Cooley's water willow (*Justicia Cooleyi*).

Sub-basin #9 consists of the right-of-way area between stations 147+00 and 165+00. Runoff via overland flow is currently toward Cross Drain # 9, ultimately draining to Wetland 10 on the west side of Cobb Road.

Alternative Pond Site 9A is located 175 ft. left of the centerline along Cobb Road at station 160+00. This site is located along the frontage of vacant forested property. Discharge from this pond site would be toward Wetland 10 to the northwest.

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Alternative Pond Site 9B is located 175 ft. right of the centerline along Cobb Road at station 163+50. This site is located along the frontage of vacant, partially-forested property. Discharge from this pond site would be achieved via Cross Drain #9 and toward Wetland 10 to the west.

Alternative Pond Site 9C is located 355 ft. left of the centerline along Cobb Road at station 159+00. This site is located off of frontage property, on vacant forested land. Discharge from this pond site would be toward Wetland 10 to the north. A drainage easement would be required to route stormwater from the roadway to the pond site.

Alternative Pond Site **9B** is recommended for Sub-basin #9. This pond site is further downstream, which maximizes capture of stormwater runoff in this sub-basin, and represents the least cost alternative.

Sub-basin #10 consists of the right-of-way area between stations 165+00 and 184+70. Runoff via roadside ditch and overland flow is currently toward Cross Drain #10, ultimately draining to Wetland 12 to the east.

Alternative Pond Site 10A is located 175 ft. left of the centerline along Cobb Road at station 182+00. This site is located along the frontage of vacant forested property. Discharge from this pond site would be toward Wetland 13 and ultimately through Cross Drain #10 and toward Wetland 12 to the east.

Alternative Pond Site 10B is located 320 ft. left of the centerline along Cobb Road at station 183+00. This site is located off of frontage property on vacant forested land. Discharge from this pond site would be toward the west low area and ultimately through Cross Drains #11 and #12 and toward Wetland 15 to the east. A drainage easement would be required to route stormwater from the roadway to the pond site.

Alternative Pond Site 10C is located 130 ft. right of the centerline along Cobb Road at station 181+50. This site is located along the frontage of vacant forested property; however, it was determined that this property is a potential Section 4(f) property; therefore, this pond site is not a viable alternative.

Alternative Pond Site **10B** is recommended for Sub-basin #10. This pond site avoids Section 4(f) property and represents the least cost alternative.

Sub-basin #11 consists of the right-of-way area between stations 184+70 and 198+55. Runoff via overland flow is currently toward Cross Drains #11 and #12, ultimately draining to Wetland 15 to the east.

Alternative Pond Site 11A is located 175 ft. left of the centerline along Cobb Road at station 196+75. This site is located along the frontage of vacant forested property. Discharge from this pond site would be

achieved via Cross Drain #11 and Wetland 14 to the east, ultimately draining through Wetland 15 toward the north.

Alternative Pond Site 11B is located 350 ft. left of the centerline along Cobb Road at station 196+75. This site is located off of the frontage property in a low lying area on vacant forested land that abuts the CSX Railroad. Discharge from this pond site would be achieved via Cross Drain #11 and Wetland 14 to the east, ultimately draining through Wetland 15 toward the north. Two drainage easements would be required for this pond site: one to route collected stormwater from the roadway to the pond site and one to route the treated stormwater from the pond site to Cross Drain #11.

A third alternative pond site was not identified for this sub-basin due to constraints regarding land use. Locating a pond on the west side of the CSX railroad is not hydraulically feasible and avoidance of Wever Park on the east side of Cobb Road is required due to Section 4(f) property constraints.

Alternative Pond Site **11A** is recommended for Sub-basin #11. This site represents the least cost alternative.

Sub-basin #12 consists of the right-of-way area between stations 198+55 and 229+00. Runoff via overland flow is currently toward Wetland 17 on both sides of the roadway, for which Cross Drain #13 provides a hydraulic connection.

Alternative Pond Site 12A is located 320 ft. left of the centerline along Cobb Road at station 218+50. This site is located along the frontage of vacant property. Discharge from this pond site would be toward Wetland 17 to the north.

Alternative Pond Site 12B is located 215 ft. right of the centerline along Cobb Road at station 217+50. This site is located along the frontage property on vacant land. Discharge from this pond site would be toward Wetland 17 to the north. A drainage easement would be required to route collected stormwater from the roadway to this pond site.

Alternative Pond Site 12C is located 440 ft. left of the centerline along Cobb Road at station 220+00. This site is located off of the frontage property on vacant land. Discharge from this pond site would be toward Wetland 17 to the north.

Alternative Pond Site **12A** is recommended for Sub-basin #12. This site represents the least cost alternative.

Sub-basin #13 consists of the right-of-way area between stations 229+00 and 248+30. Runoff via overland flow is currently toward Wetland 21, ultimately draining through Cross Drain #14 to the northwest.

Alternative Pond Site 13A is located 200 ft. right of the centerline along Cobb Road at station 242+50. This site is located along the frontage of vacant property. Discharge from this pond site would be toward Wetland 21 on the east side of Cobb Road and through Cross Drain #14 to the northwest.

Alternative Pond Site 13B is located 255 ft. left of the centerline along Cobb Road at station 246+00. This site is located along the frontage of vacant, partially-forested property. Discharge from this pond site would be toward Wetland 21 on the west side of Cobb Road and to the north.

Alternative Pond Site 13C is located 540 ft. left of the centerline along Cobb Road at station 247+50. This site is located off of the frontage property on vacant forested land. Discharge from this pond site would be toward Wetland 21 to the north. A drainage easement would be required to route the collected stormwater from the roadway to this pond site.

Alternative Pond Site **13B** is recommended for Sub-basin #13. This site represents the least cost alternative.

Sub-basin #14 consists of the right-of-way area between stations 248+30 and 265+00 along Cobb Road and between stations 343+00 and 351+40 along US 98. Sub-basin #14 represents a combination of two smaller sub-basins. Runoff via overland flow is currently toward Cross Drain #17, ultimately draining to Wetland 21 north of US 98.

Alternative Pond Site 14A is located 285 ft. left of the existing centerline along Cobb Road at station 263+00. This site is located in the southwest quadrant of the existing intersection of Cobb Road and US 98 and is bound to the southwest by the proposed realignment of this intersection. This pond site is located on vacant forested property, which is currently occupied by Wetland 20. Discharge from this pond site would be toward Wetland 21 to the northwest.

Alternative Pond Site 14B is centered on station 258+00 of the existing centerline along Cobb Road, a portion of which consists of existing FDOT right-of-way. This portion of Cobb Road would no longer be utilized for roadway since the intersection of Cobb Road and US 98 would be realigned to the southwest. Discharge from this pond site would be to the east along the new US 98 connection and then to the north under US 98 at station 340+00.

Alternative Pond Site 14C is located 740 ft. left of the existing centerline along Cobb Road at station 258+75. This site is located on vacant forested land along proposed frontage property of the realigned portion of the Cobb Road/US 98 intersection. Discharge from this pond site would be toward Wetland 21 to the north.

Alternative Pond Site **14B** is recommended for Sub-basin #14. Alternative Pond Site 14A has significant impacts to wetlands. Alternative Pond Site 14C has potential conflict with an off-site tributary and proposed on-site conveyance. Alternative Pond Site 14B represents the least cost alternative since a large portion of this site is currently owned by FDOT.

Sub-basin #16 consists of the right-of-way area between stations 351+40 and 358+90. Runoff via overland flow is currently toward Cross Drain #17, ultimately draining through Wetland 21 to north of US 98.

Alternative Pond Site 16A is located 265 ft. left of the existing centerline along US 98 at station 356+00. This site is located on vacant forested land along proposed frontage property of the realigned portion of the Cobb Road/US 98 intersection. Discharge from this pond site would be toward Wetland 23 to the northwest.

Alternative Pond Site 16B is located 380 ft. left of the existing centerline along US 98 at station 357+75. This site is located off of the frontage property on vacant forested land. Discharge from this pond site would be toward Wetland 23 to the northwest. A drainage easement would be required to route collected stormwater from the roadway to the pond site.

Alternative Pond Site 16C is located at station 354+00 of the existing centerline along US 98. This pond site is located partially on the existing US 98 roadway. This portion of US 98 would no longer be utilized since the intersection of Cobb Road and US 98 would be realigned to the southwest. Discharge from this pond site would be toward Wetland 21 to the north.

Alternative Pond Site **16A** is recommended for Sub-basin #16. This site represents the least cost alternative.

Sub-basin #17 consists of the right-of-way area between stations 358+90 and 369+85. Runoff via roadside ditch and overland flow is currently either toward Cross Drain #18, ultimately draining to Wetland 23 to the south, or to Wetland 24 to the north.

Alternative Pond Site 17A is located 200 ft. left of the centerline along US 98 at station 361+75. This pond site is located along the frontage of vacant forested property. Discharge from this pond site would be toward Wetland 23 to the west.

Alternative Pond Site 17B is located 240 ft. right of the centerline along US 98 at station 362+25. This pond site is located along the frontage of vacant forested property. Discharge from this pond site would be to Wetland 24 (Willow Prairie Lake) with a pop-off through Cross Drain #18 and ultimately to Wetland 23 to the south.

A third alternative pond site was not identified for this sub-basin due to wetland constraints on both sides of the roadway. Location of a third alternative pond site immediately adjacent to US 98 on either side of the road and immediately northwest of either site 17A or 17B would not be hydraulically feasible since this location would be nearly the high point of the sub-basin. Although both alternatives 17A and 17B involve wetlands and alternative 17B involves floodplains, both pond sites have been sized adequately to avoid impacts to those areas of the site.

Alternative Pond Site **17A** is recommended for Sub-basin #17. This site represents the least cost alternative.

Sub-basin #18 consists of the right-of-way area between stations 369+85 and 388+00. Runoff via roadside ditch and overland flow is currently toward Cross Drain #19, ultimately draining through Wetland 25 towards Wetland 26 to the north.

Alternative Pond Site 18A is located 275 ft. right of the centerline along US 98 at station 372+25. This pond site is located along the frontage of vacant forested property, however it was determined that this property is a potential Section 4(f) property; therefore, this pond site is not a viable alternative.

Alternative Pond Site 18B is located 440 ft. right of the centerline along US 98 at station 372+50. This pond site is located off of the frontage property on vacant forested land, however it was determined that this property is a potential Section 4(f) property; therefore, this pond site is not a viable alternative.

Alternative Pond Site 18C is located 270 ft. left of the centerline along US 98 at station 373+50. This pond site is located on residential property and would require relocation of an existing residence. Discharge from this pond site would be to Wetland 25a, through Cross Drain #19 and ultimately drain to Wetland 26 to the north.

Alternative Pond Site 18D is located 300 ft. left of the centerline along US 98 at station 370+75. This pond site is located partially on residential property; however relocation of the existing residence would not be necessary. This pond site is located on forested land. Discharge from this pond site would be through Cross Drain #19 to the north and toward Wetland 26. Use of this site would require maintaining off-site flow toward Cross Drain #19 downstream of the proposed pond site.

Alternative Pond Site **18D** is recommended for Sub-basin #18. Alternative Pond Sites 18A and 18B are located within Annutteliga Hammock CARL property; therefore, they were not pursued further due to Section 4(f) requirements. Alternative Pond Site 18D represents the least cost alternative when compared with site 18C, which involves a residential relocation.

Sub-basin #19 consists of the right-of-way area between stations 388+00 and 396+20. Runoff via roadside ditch and overland flow is currently toward Cross Drain #20 and ultimately draining through Wetland 27 towards Wetland 26 to the north.

Alternative Pond Site 19A is located 180 ft. left of the centerline along US 98 at station 393+25. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be through Wetland 27 and Cross Drain #20 toward Wetland 26 to the north.

Alternative Pond Site 19B is located 215 ft. right of the centerline along US 98 at station 391+50. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be to Wetland 26 to the north.

A third alternative pond site was not identified for this sub-basin due to wetland constraints to the north and constraints associated with the existing CSX Railroad to the south. Location of a third alternative pond site directly adjacent to the southwest of the existing alternative sites is not hydraulically feasible since the pond site would be at the high point of elevation within the sub-basin.

Alternative Pond Site **19A** is recommended for Sub-basin #19. This site represents the least cost alternative. Alternative Pond Site 19B also has potential impacts to the 100-year floodplain.

Sub-basin #20 consists of the right-of-way area between stations 396+20 and 406+50. Runoff via roadside ditch and overland flow is currently toward Cross Drain #20 and ultimately draining through Wetland 27 towards Wetland 26 to the north.

Alternative Pond Site 20A is located 210 ft. right of the centerline along US 98 at station 398+25. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be to Wetland 26 to the north.

Alternative Pond Site 20B is located 210 ft. right of the centerline along US 98 at station 400+50. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be to Wetland 26 to the north.

A third alternative pond site was not identified for this sub-basin due to wetland constraints to the north and constraints associated with the existing CSX Railroad to the south. A third alternative pond site for this sub-basin would not be hydraulically feasible.

Alternative Pond Site **20B** is recommended for Sub-basin #20. This site represents the least cost alternative. Floodplain impacts are comparable for both alternatives; therefore, floodplain mitigation costs do not provide a basis for comparison. A floodplain mitigation site will be necessary. This can be achieved by expanding Alternative Pond Site 20B further into the same parcel (#0100 0000). Also, it should be noted that Sub-basins #18, #19, and #20 all discharge to Wetland 26. For the purpose of this report, it is conservative to recommend separate sites for each sub-basin to satisfy attenuation requirements.

Sub-basin #21 consists of the right-of-way area between stations 406+50 and 413+90. Runoff via roadside ditch and overland flow is currently toward Cross Drain #21, draining towards Wetland 28 to the north.

Alternative Pond Site 21A is located 220 ft. right of the centerline along US 98 at station 411+50. This pond site is located on residential property on partially forested land. This pond site would not require relocation of the existing residence. Discharge from this pond site would be to Wetland 28 to the north. A drainage easement would be required to route treated stormwater from this pond site to Wetland 28.

Alternative Pond Site 21B is located 380 ft. right of the centerline along US 98 at station 412+25. This pond site is located off of frontage property on vacant land occupied partially by Wetland 28. Discharge from this pond site would be to Wetland 28. A drainage easement would be required to route collected stormwater from the roadway to this pond site.

Alternative Pond Site 21C is located 220 ft. left of the centerline along US 98 at station 410+50. This pond site is located off of frontage property between two lines of the CSX Railroad. This pond is located on vacant forested land occupied by Wetland 28a. Discharge from this pond site would be through Cross Drain #21 towards Wetland 28 to the north.

Alternative Pond Site **21C** is recommended for Sub-basin #21. Although the entire parcel would be taken for this pond site, the wetland that occupies this parcel could be avoided since the parcel is larger than the required pond size. This site represents the least cost alternative. Furthermore, Alternative Pond Site 21B has unavoidable wetland impacts. Coordination with the CSX Railroad will be necessary since drainage will need to be conveyed under the existing railroad siding.

Sub-basin #22 consists of the right-of-way area between stations 413+90 and 433+90. Runoff via roadside ditch and overland flow is currently toward Cross Drain #21, draining towards Wetland 28 to the north.

Alternative Pond Site 22A is located 245 ft. right of the centerline along US 98 at station 416+00. This pond site is located along frontage property on vacant land that is partially occupied by Wetland 28. Discharge from this pond site would be to Wetland 28.

Alternative Pond Site 22B is located 220 ft. left of the centerline along US 98 at station 417+25. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be toward Cross Drain #21 and Wetland 28 to the north.

Alternative Pond Site 22C is located 535 ft. left of the centerline along US 98 at station 417+25. This pond site is located off of the frontage property on vacant land. Discharge from this pond site would be toward Cross Drain #21 and Wetland 28 to the north. A drainage easement would be required to route collected stormwater from the roadway to this pond site and also from the pond site toward the discharge at Cross Drain #21.

Alternative Pond Site 22-23D is located 620 ft. left of the centerline along US 98 at station 415+75. This pond site is located off of the frontage property on vacant land. This alternative pond site would accommodate both Sub-basin #22 and Sub-basin #23. Discharge from this pond site would be toward Cross Drain #21 and Wetland 28 to the north. A drainage easement would be required to route collected stormwater from the roadway to this pond site and also from the pond site toward the discharge at Cross Drain #21.

Alternative Pond Site **22B** is recommended for Sub-basin #22. Alternative Pond Site 22A involves high right-of-way costs, wetland impacts and the potential for sinkhole activity. Alternative Pond Site 22B represents the least cost alternative.

Sub-basin #23 consists of the right-of-way area between stations 433+90 and 452+50. Runoff via roadside ditch and overland flow is currently toward Cross Drain #22, ultimately draining towards Sub-basin #22.

Alternative Pond Site 23A is located 280 ft. left of the centerline along US 98 at station 432+25. This pond site is located along frontage property of vacant forested land. Discharge from this pond site would be along the west side of US 98 toward Cross Drain #21 and Wetland 28 to the north.

Alternative Pond Site 23B is located 260 ft. left of the centerline along US 98 at station 428+75. This pond site is located along frontage property of vacant forested land. Discharge from this pond site would be along the west side of US 98 toward Cross Drain #21 and Wetland 28 to the north.

Alternative Pond Site 22-23D is located 620 ft. left of the centerline along US 98 at station 415+75. This pond site is located off of the frontage property on vacant land. This alternative pond site would accommodate both Sub-basin #22 and Sub-basin #23. Discharge from this pond site would be toward Cross Drain #21 and Wetland 28 to the north. A drainage easement would be required to route collected stormwater from the roadway to this pond site and also from the pond site toward the discharge at Cross Drain #21.

Alternative Pond Site **23A** is recommended for Sub-basin #23. This site represents the least cost alternative.

Sub-basin #24 consists of the right-of-way area between stations 452+50 and 468+00. Runoff via roadside ditch and overland flow is currently toward Cross Drain #23, ultimately draining through Wetland 29 to the south.

Alternative Pond Site 24A is located 330 ft. left of the centerline along US 98 at station 460+75. This pond site is located along frontage property on vacant forested land. This pond site would require rerouting of Wetland 29. Discharge from this pond site would be to Wetland 29 to the west.

Alternative Pond Site 24B is located 270 ft. left of the centerline along US 98 at station 463+50. This pond site is located along frontage property on vacant forested land. This pond site would require rerouting of Wetland 29. Discharge from this pond site would be to Wetland 29 to the southwest.

Alternative Pond Site 24C is located 790 ft. left of the centerline along US 98 at station 462+25. This pond site is located off of the frontage property on vacant forested land. Discharge from this pond site would be to Wetland 29 to the west. A drainage easement would be required to route collected stormwater from the roadway to this pond site. This conveyance pattern would cross over downstream flow from Cross Drain #23 in order to keep on-site and off-site flows separate.

Alternative Pond Site **24C** is recommended for Sub-basin #24. Alternative Pond Sites 24A and 24B have differences in elevation across the site of 10-12 ft. and 7-10 ft., respectively. As a result, approximately 250 feet of retaining wall (approximately 10 feet in height) would be necessary to construct a pond at either of these sites. Although Alternative Pond Site 24C would require approximately 600 feet of 18" pipe for conveyance to the site from the roadway, this site remains the least cost alternative when comparing both right-of-way costs and incremental construction costs.

Sub-basin #25 consists of the right-of-way area between stations 468+00 and 473+40. Runoff via roadside ditch and overland flow is currently toward Cross Drain #25 and Wetland 30, draining to the south.

Alternative Pond Site 25A is located 180 ft. left of the centerline along US 98 at station 472+25. This pond site is located along frontage property on vacant land. Discharge from this pond site would be to Wetland 30, ultimately draining southward to Stafford Lake.

Alternative Pond Site 25B is located 200 ft. right of the centerline along US 98 at station 471+75. This pond site is located along frontage property on vacant, partially-forested land. Discharge from this pond site would be through Cross Drain #25 to the south towards Wetland 30 and Stafford Lake.

Alternative Pond Site 25-26D is located 865 ft. left of the centerline along US 98 at station 473+00. This alternative pond site represents a third alternative for each of Sub-basins #25 and #26 by combining and collecting drainage from both sub-basins. This pond site is located off of the frontage property on vacant land. A drainage easement would be required to route collected stormwater from the roadway, as well as offsite drainage from the north, to this pond site. Discharge from this pond site would be to Stafford Lake to the southwest.

Alternative Pond Site **25-26D** is the recommended alternative to treat runoff from both Sub-basin #25 and Sub-basin #26. The least right-of-way cost alternatives for each individual sub-basin are 25A and 26A; however, high construction costs are associated with site 25A due to a necessary retaining wall. The additional construction costs of site 25A increase the total cost of individual sites to \$153,644. This total cost is greater than the cost of Alternative Pond Site 25-26D (\$150,472). Therefore, Alternative Pond Site 25-26D represents the least cost alternative.

Sub-basin #26 consists of the right-of-way area between stations 473+40 and 493+00. Runoff via roadside ditch and overland flow is currently toward Cross Drain # 25 and Wetland 30, draining to the south.

Alternative Pond Site 26A is located 215 ft. left of the centerline along US 98 at station 476+50. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be to Wetland 30 and Stafford Lake to the south.

Alternative Pond Site 26B is located 230 ft. right of the centerline along US 98 at station 475+50. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be through Cross Drain #25 and Wetland 30 to Stafford Lake to the south.

Alternative Pond Site **25-26D** represents the third alternative for each of Sub-basins #25 and #26. This is the recommended alternative, as described in **Sub-basin #25**, above.

Sub-basin #27 consists of the right-of-way area between stations 493+00 and 518+85. Runoff via roadside ditch and overland flow is currently toward Cross Drain #27, ultimately draining to Wetland 31 to the south.

Alternative Pond Site 27A is located 285 ft. left of the centerline along US 98 at station 515+25. This pond site is located along frontage property on vacant land. Discharge from this pond site would be to Wetland 31 to the west.

Alternative Pond Site 27B is located 290 ft. right of the centerline along US 98 at station 517+00. This pond site is located along frontage property on vacant land upstream of Cross Drain #27. Discharge from this pond site would be through Cross Drain #27 and to Wetland 31 to the southwest.

Alternative Pond Site 27C is located 475 ft. left of the centerline along US 98 at station 514+00. This pond site is located off of the frontage property on vacant land. Discharge from this pond site would be to Wetland 31 to the west. A drainage easement would be required to route runoff from the roadway toward this pond site, as well as to route treated stormwater from this pond site to the outfall.

Alternative Pond Site **27A** is recommended for Sub-basin #27. This site represents the least cost alternative.

Sub-basin #28 consists of the right-of-way area between stations 518+85 and 533+00. Runoff via roadside ditch and overland flow is currently toward Cross Drain #27, ultimately draining to Wetland 31 to the south.

Alternative Pond Site 28A is located 300 ft. right of the centerline along US 98 at station 520+25. This pond site is located along frontage property on vacant land. Discharge from this pond site would be

through Cross Drain #27 and to Wetland 31 to the southwest. The average elevation of the site is equal to the roadway elevation.

Alternative Pond Site 28B is located 450 ft. left of the centerline along US 98 at station 520+25. This pond site is located off of the frontage property on vacant land. Discharge from this pond site would be toward Wetland 31 to the east. A drainage easement would be required to route collected stormwater from the roadway to this pond site. This drainage easement would be located along residential property.

Alternative Pond Site 28C is located 225 ft. left of the centerline along US 98 at station 521+00. This pond site is located on residential property and would require relocation of an existing residence. Discharge from this pond site would be toward Wetland 31 to the southeast. A depressional area exists on this parcel.

Alternative Pond Site **28B** is recommended for Sub-basin #28. This site represents the least cost alternative.

Sub-basin #29 consists of the right-of-way area between stations 533+00 and 564+00. Runoff via roadside ditch and overland flow is currently toward Cross Drain #29, draining through Wetland 33 to the south.

Alternative Pond Site 29A is located 230 ft. left of the centerline along US 98 at station 550+25. This pond site is located along frontage property on vacant forested land. This pond site could impact a portion of Wetland 33 to the southwest. Discharge from this pond site would be to Wetland 33.

Alternative Pond Site 29B is located 520 ft. left of the centerline along US 98 at station 549+25. This pond site is located off of the frontage property on vacant forested land. This pond site would require rerouting a portion of Wetland 33 and the natural drainage pattern downstream of Cross Drain #29 to the southeast. Discharge from this pond site would be to Wetland 33.

Alternative Pond Site 29C is located 300 ft. right of the centerline along US 98 at station 550+25. This pond site is located along frontage property of vacant forested land and is equal or higher in elevation than the existing roadway. Upon initial identification of this pond site as a feasible alternative, it was determined that this site is not hydraulically feasible; therefore, it is not an option for stormwater management in this sub-basin. A third alternative pond site for this sub-basin is not hydraulically feasible.

Alternative Pond Site **29A** is recommended for Sub-basin #29. This site represents the least cost alternative.

Sub-basin #30 consists of the right-of-way area between stations 564+00 and 608+50. Runoff via roadside ditch and overland flow is currently toward Cross Drain #30 and Wetlands 34 and 35 (Skinner Lake) to the south. An off-site natural drainage conveyance channel (Wetland 34) is located just south of US 98 from about station 585+00 to 603+00.

Alternative Pond Site 30A is located 280 ft. left of the centerline along US 98 at station 591+00. This pond site is located along frontage property on vacant land through which Wetland 34 (natural drainage ditch) crosses. This pond site would require rerouting of Wetland 34 to the south. Discharge from this pond site would be to Wetland 34, ultimately draining to Wetland 35 (Skinner Lake).

Alternative Pond Site 30B is located 800 ft. left of the centerline along US 98 at station 592+00. This pond site is located off of the frontage property on vacant land. This pond site would also require rerouting of Wetland 34 to the south. Discharge from this pond site would be to Wetland 35 (Skinner Lake). A drainage easement would be required to route collected stormwater from the roadway to this pond site.

A third alternative pond site was not identified for this sub-basin due to wetland and hydraulic feasibility constraints on the left side (Skinner Lake) and the presence of the Annutteliga Hammock property on the right side. Avoidance of the Annutteliga Hammock conservation property is required according to Section 4(f) criteria.

Alternative Pond Site **30A** is recommended for Sub-basin #30. This site represents the least cost alternative and requires a shorter re-route of the existing drainage pattern (Wetland 34).

Sub-basin #31 consists of the right-of-way area between stations 608+50 and 635+50. Runoff via roadside ditch and overland flow is currently toward Cross Drain #31, ultimately draining to Wetland 38a (Turkey Prairie) to the south.

Alternative Pond Site 31A is located 250 ft. left of the centerline along US 98 at station 622+25. This pond site is located along frontage property on vacant land. Discharge from this pond site would be to Wetland 38a (Turkey Prairie) to the west.

Alternative Pond Site 31B is located 260 ft. right of the centerline along US 98 at station 623+75. This pond site is located along frontage property on vacant forested land. Discharge from this pond site would be to Cross Drain #31 and ultimately to Turkey Prairie to the southwest.

Alternative Pond Site 31C is located 180 ft. left of the centerline along US 98 at station 627+50. This pond site is located along frontage property on vacant land. Discharge from this pond site would be to Wetland 38a (Turkey Prairie) to the southwest.

Alternative Pond Site **31C** is recommended for Sub-basin #31. This site represents the least cost alternative and avoids impacts to wetlands and floodplains. Furthermore, both Alternative Pond Sites 31A and 31B would have to accommodate off-site drainage upstream of Cross Drain #31.

Sub-basin #32 consists of the right-of-way area between stations 635+50 and 652+50. Runoff via roadside ditch and overland flow is currently toward Cross Drain #32, ultimately draining to Wetland 39 (Harris Pond) to the north.

Alternative Pond Site 32A is located 250 ft. left of the centerline along US 98 at station 650+00. This pond site is located along frontage property on vacant, partially-forested land. This pond site is partially occupied by Wetland 39 to the left of US 98. Discharge from this pond site would be through Cross Drain #32 to Wetland 39 (Harris Pond) to the north.

Alternative Pond Site 32B is located 280 ft. right of the centerline along US 98 at station 646+00. This pond site is located along frontage residential property on partially-forested land. Discharge from this pond site would be to Wetland 39 (Harris Pond) to the north.

Alternative Pond Site 32C is located 210 ft. left of the centerline along US 98 at station 646+50. This pond site is located along frontage residential property on partially-forested land. A portion of this pond site is occupied by Wetland 38. Discharge from this pond site would be to Wetland 39 (Harris Pond) via Cross Drain #32.

Alternative Pond Site **32A** is recommended for Sub-basin #32. Alternative Pond Sites 32B and 32C both would require relocation of existing residences. As a result, right-of-way costs associated with Alternative Pond Site 32A are significantly less than the other alternatives. This pond site has the best hydraulic feasibility, and avoidance of wetland impacts for this pond site is possible.

Sub-basin #33 consists of the right-of-way area between stations 652+50 and 662+50. Runoff via roadside ditch and overland flow is currently toward Cross Drain #32, ultimately draining to Wetland 39 (Harris Pond) to the north.

Alternative Pond Site 33A is located 265 ft. right of the centerline along US 98 at station 654+50. This pond site is located along frontage property on vacant, partially-forested land. Discharge from this pond site would be to Wetland 39 (Harris Pond) to the east.

Alternative Pond Site 33B is located 490 ft. left of the centerline along US 98 at station 653+50. This pond site is located off of the frontage property on vacant land. Discharge from this pond site would be to Wetland 39 (Harris Pond) to the northeast. A drainage easement would be required to route collected stormwater from the roadway to this pond site.

Alternative Pond Site 33C is located 370 ft. left of the centerline along US 98 at station 654+50. This pond site is located on residential property and would require relocation of two existing residences. Discharge from this pond site would be through Cross Drain #32 to Wetland 39 (Harris Pond) to the northeast. A drainage easement would be required to route collected stormwater from the roadway to this pond site.

Alternative Pond Site **33A** is recommended for Sub-basin #33. This site represents the least cost alternative. Although this site involves floodplains, the pond has been sized adequately to avoid impacts to the floodplains within this site.

Sub-basin #34 consists of the right-of-way area between stations 662+50 and 674+50. Runoff via roadside ditch and overland flow is currently toward either Wetland 40 or Cross Drain #33, ultimately draining to Wetland 43 to the north.

Alternative Pond Site 34A is located 400 ft. right of the centerline along US 98 at station 675+25. This pond site is located off of the frontage property and partially on residential property; however, this pond site would not require relocation of any residences. Discharge from this pond site would be to Wetland 43, draining to the north.

Alternative Pond Site 34B is located 210 ft. left of the centerline along US 98 at station 666+25. This pond site is located along frontage property of partially-forested residential property. This pond site would not require relocation of any residences. Discharge from this pond site would be to Wetland 40 with a pop-off to the northwest, ultimately draining through Cross Drain #33 and Wetland 43 to the north.

Alternative Pond Site 34C is located 530 ft. right of the centerline along US 98 at station 674+00. This pond site is located off of the frontage property of vacant forested land. Discharge from this pond site would be to Wetland 43 to the west. A drainage easement would be required to route collected stormwater from the roadway to this pond site.

Alternative Pond Site **34A** is recommended for Sub-basin #34. This site represents the least cost alternative and maintains the existing off-site flow pattern.

Sub-basin #35 consists of the right-of-way area between stations 674+50 and 690+50. Runoff via roadside ditch is currently toward Cross Drain #35, ultimately draining from Wetland 44 on the north side of Cobb Road toward the south.

Alternative Pond Site 35A is located 230 ft. left of the centerline along US 98 at station 687+00. This pond site is located along frontage property on vacant land. Discharge from this pond site would be through Cross Drain #35, draining to Wetland 44 to the north. This pond site would require accommodation of some off-site drainage from the south.

Alternative Pond Site 35B is located 270 ft. left of the centerline along US 98 at station 684+50. This pond site is located along frontage property on vacant land. Discharge from this pond site would be along the west side of US 98, through Cross Drain #35 and ultimately draining to Wetland 44 to the north.

Alternative Pond Site 35C is located 240 ft. right of the centerline along US 98 at station 688+00. This pond site is located along frontage property of vacant, partially-forested land. Discharge from this pond site would be directly to Wetland 44 to the north.

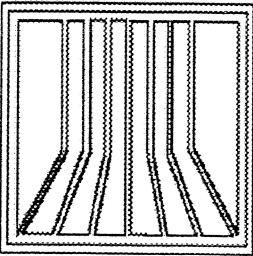
Alternative Pond Site **35A** is recommended for Sub-basin #35. This site represents the least cost alternative.

**APPENDIX A
RESULTS OF GEOTECHNICAL FIELD EXPLORATION**

TABLE 2.7-1 SEASONAL HIGH WATER TABLE ESTIMATES

Station	Offset	SCS Unit	SCS SHWT Inches (est)	Field SWHT Feet (est)
South End of Project near SR 50				
31+50	80 R	29	72	-2.0
40+00	81 R	12	10	-1.5
50+00	63 R	34	20	-1.5
60+00	60 L	34	20	-2.0
70+00	58 L	34/20	20/55	-1.0
80+00	160 R	20	55	+1.0
90+00	300 R	21	55	+0.5
100+00	900 R	21	55	+0.5
110+00	1250 R	34/21	20/55	-2.0
120+00	1300 R	34/21	20/55	-2.0
130+00	NA	12	10	NA
140+00	NA	36	20	NA
150+00	63 R	12/20	10/55	-1.0
160+00	70 L	12/20	10/55	-1.0
170+00	75 R	52/36/12	10/20/10	-2.0
180+00	63 L	12	10	-0.5
190+00	70 R	41/20	NA/55	-2.5
200+00	57 L	36/12	20/10	-2.0
210+00	75 R	12	10	-2.5
220+00	37 L	21	55	-1.5
230+00	57 R	36	20	-1.0
240+00	60 L	36	20	-1.0
250+00		36	20	-2.5
258+00	200 L	36	20	+0.5
Intersection of SR 485 & US 98				
335+00	63 L	12	10	-2.0
360+00	80 L	34	20	+1.0
370+00	162 R	12	10	-1.0
380+00	51 R	12	10	-1.0
390+00	90 L	12/34	10/20	-2.0
400+20	78 R	34	20	-0.5
410+00	80 L	52	10	-1.0
420+00	75 R	52	10	-2.0
430+00	72 L	52	10	-4.0
440+00	81 R	52	10	-2.0
450+00	87 R	52	10	-2.5
460+00	90 L	34/12	20/10	-2.5
470+00	NA	12/22	10/55	NA
480+00	70 R	21	55	-2.0
490+00	72 L	21	55	-2.0
500+00	92 R	34/21	20/55	+0.5

510+00	92 L	12	18	-2.0
520+00	75 R	21	55	-0.5
530+00	80 L	21	55	
540+00	66 L	34	20	-2.5
550+00	80 R	34	20	-1.5
560+00	57 L	34	20	-1.5
570+00	54 R	21	55	
580+00	47 L	21	55	-2.0
590+00	49 R	36	20	-1.5
600+00	75 L	52	10	-1.5
610+00	48 R	36	20	-1.0
620+00	105 L	36	20	-1.5
630+00	63 R	36	20	-1.5
640+00	51 L	36	20	-2.0
650+00	48 R	36	20	-2.0
660+00	57 L	36	20	-4.0
670+00	81 R	29	72	-1.5
680+00	63 R	29	72	-4.0
690+00	150 L	47/29	72	-3.0
700+00	100 R	14	80	>-6.0
710+00	100 L	14	80	>-6.0
720+00	132 L	14	80	>-6.0
730+00	100 L	15	80	>-6.0
740+00	111 L	14	80	>-6.0
750+00	141 L	15	80	>-6.0
North End of Project near Suncoast Parkway				



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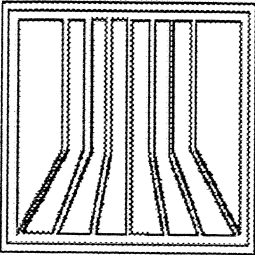
REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-2A	2/10/03	0.0 - 1.5	Dark gray fine SAND	A-3	1	2.0	2.5
		1.5 - 2.5	Light gray fine SAND	A-3	1		
		2.5 - 4.5	Brown sandy CLAY	A-7-6	4		
		4.5 - 5.0	Gray sandy CLAY	A-7-6	4		
		5.0 - 6.0	Gray clayey fine SAND with iron stains	A-7-6	4		
HA-2B	2/25/03	0.0 - 1.5	Dark gray fine SAND	A-3	1	1.5	NOT ENCOUNTERED
		1.5 - 2.0	Gray fine SAND	A-3	1		
		2.0 - 3.0	Brown clayey fine SAND	A-2-6	3		
		3.0 - 6.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		6.0 - 8.0	Mottled reddish gray sandy CLAY	A-7-6	4		
HA-2C1	2/25/03	8.0 - 12.0	Gray sandy CLAY with red streaks	A-7-6	4	(1)	6.0
		0.0 - 4.5	Mottled reddish brown sandy CLAY	A-7-6	4		
		4.5 - 6.5	Dark gray fine SAND	A-3	1		
		6.5 - 8.0	Brown fine SAND	A-3	1		

(1) Not observed in field



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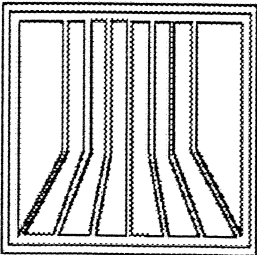
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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-3A	2/25/03	0.0 - 3.0	Brown fine SAND with small roots (Topsoil)	A-3	1	0.5	1.0
		3.0 - 7.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		7.0 - 7.1	Gray sandy CLAY	A-7-6	4		
HA-3B	2/9/03	0.0 - 2.0	Dark gray silty fine SAND	A-2-4	2	2.0	2.5
		2.0 - 3.5	Brown fine SAND	A-3	1		
		3.5 - 6.0	Gray sandy CLAY with iron stains	A-7-6	4		
HA-3C	2/25/03	0.0 - 1.0	Brown fine SAND	A-3	1	0.0	0.9
		1.0 - 8.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		8.0 - 12.0	Gray CLAY with limestone fragments	A-7-6	4		
HA-4A	3/6/03	0.0 - 2.0	Brown fine SAND	A-3	1	0.0	0.5
		2.0 - 4.0	Light brown fine SAND	A-3	1		
		4.0 - 5.5	Mottled reddish gray clayey fine SAND	A-2-6	3		
		5.5 - 9.0	Gray sandy CLAY	A-7-6	4		
		9.0 - 13.0	Mottled reddish gray sandy CLAY with thin limestone seams	A-7-6	4		



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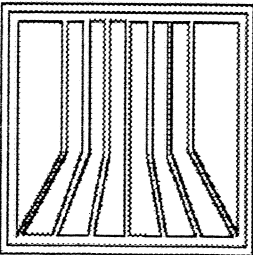
PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-4B	2/9/03	0.0 - 1.5	Brown silty fine SAND	A-2-4	2	2.0	2.5
		1.5 - 2.5	Brown sandy CLAY	A-7-6	4		
		2.5 - 5.5	Brown sandy CLAY with iron stains	A-7-6	4		
		5.5 - 6.0	Tan clayey LIMESTONE	--	6		
HA-5A	2/9/03		Standing water approx. 3" deep, boring not performed				
HA-5A1	2/25/03	0.0 - 2.0	Brown clayey fine SAND	A-2-6	3	0.0	1.0
		2.0 - 3.5	Brown fine SAND	A-3	1		
		3.5 - 5.0	Brown clayey fine SAND	A-2-6	3		
		5.0 - 6.0	Mottled reddish gray very sandy CLAY	A-7-6	4		
HA-5B	2/9/03	0.0 - 1.5	Gray sandy CLAY	A-2-6	3	*	*
		1.5 - 4.0	Dark brown sandy CLAY	A-7-6	4		
		4.0 - 5.0	Dark brown very clayey SAND	A-7-6	4		
		5.0 - 5.5	Black organic fine SAND	A-2-4	2		
		5.5 - 6.0	Dark gray sandy CLAY with limestone fragments	A-7-6	4		

* rainfall was running into auger hole, no groundwater level or seasonal high water table established

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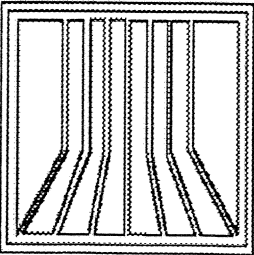
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PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-7A	2/9/03	0.0 - 2.0	Gray fine SAND	A-3	1	2.0	NOT ENCOUNTERED
		2.0 - 6.0	Gray and brown clayey fine SAND	A-2-6	3		
HA-7B1	2/25/03	0.0 - 2.5	Dark gray fine SAND	A-3	1	2.5	NOT ENCOUNTERED
		2.5 - 3.5	Brown fine SAND	A-3	1		
		3.5 - 8.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		8.0 - 12.0	Mottled reddish tan clayey fine SAND	A-2-6	3		
HA-7C1	2/25/03	0.0 - 2.0	Brown fine SAND with limestone fragments	A-3	1	2.0	NOT ENCOUNTERED
		2.0 - 3.0	Dark gray fine SAND	A-3	1		
		3.0 - 6.0	Brown clayey fine SAND	A-2-6	3		
		6.0 - 9.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		9.0 - 12.0	Tan clayey fine SAND	A-2-6	3		

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REPORT OF AUGER BORINGS

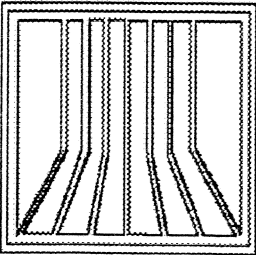
PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
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HA-8A	3/6/03	0.0 - 0.5	Brown fine SAND	A-3	1	0.0	0.5
		0.5 - 3.0	Brown clayey fine SAND	A-2-6	3		
		3.0 - 9.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		0.0 - 15.0	Mottled reddish light green sandy CLAY	A-7-6	4		
HA-8B	2/9/03	0.0 - 1.5	Brown fine SAND	A-3	1	0.5	NOT ENCOUNTERED
		1.5 - 2.5	Brown clayey fine SAND with iron stains	A-2-6	3		
		2.5 - 6.0	Brown sandy CLAY with iron stains	A-7-6	4		
		0.0 - 1.0	Dark gray fine SAND	A-3	1		
HA-9A	2/9/03	1.0 - 1.5	Gray sandy CLAY with iron stains	A-7-6	4	0.0	NOT ENCOUNTERED
		1.5 - 4.0	Gray sandy CLAY with limestone fragments	A-7-6	4		
		4.0 - 4.5	Gray green sandy CLAY with limestone fragments	A-7-6	4		
		4.5 - 6.0	Gray clayey fine SAND with limestone fragments	A-2-6	3		
		4.5 - 6.0	Gray clayey fine SAND with limestone fragments	A-2-6	3		

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HA-9B	2/25/03	0.0 - 2.5	Dark gray fine SAND	A-3	1	1.5	NOT ENCOUNTERED
		2.5 - 3.0	Gray clayey fine SAND	A-2-6	3		
		3.0 - 6.0	Gray sandy CLAY	A-7-6	4		
		6.0 - 8.0	Mottled reddish gray sandy CLAY	A-2-6	3		
		8.0 - 12.0	Gray sandy CLAY with red streaks	A-7-6	4		
HA-9C	2/25/03	0.0 - 0.5	Dark brown fine SAND with minor roots (Topsoil)	A-3	1	0.0	0.5
		0.5 - 2.0	Brown fine SAND	A-3	1		
		2.0 - 8.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		8.0 - 10.5	Mottled reddish gray sandy CLAY with occasional limestone seams	A-7-6	4		
HA-10A	2/25/03	0.0 - 1.0	Brown fine SAND	A-3	1	0.0	7.0
		1.0 - 2.0	Brown clayey fine SAND	A-2-6	3		
		2.0 - 6.5	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		6.5 - 10.0	Mottled reddish brown sandy CLAY	A-7-6	4		

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WILLIAMS EARTH SCIENCES, INC.

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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-10B	2/25/03	0.0 - 1.0	Brown clayey fine SAND with limestone fragments	A-2-6	3	0.0	7.0
		1.0 - 2.5	Brown clayey fine SAND	A-2-6	3		
		2.5 - 6.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		6.0 - 7.5	Gray CLAY with limestone fragments	A-7-6	4		
		7.5 - 10.0	Gray clayey fine SAND	A-2-6	3		
		10.0 - 15.0	Gray very clayey fine SAND	A-7-6	4		
HA-10C	2/9/03	0.0 - 1.0	Brown fine SAND	A-3	1	2.5	NOT ENCOUNTERED
		1.0 - 3.0	Brown clayey fine SAND with iron stains	A-7-6	4		
		3.0 - 6.0	Brown very clayey fine SAND with iron stains	A-7-6	4		
HA-11A	2/9/03	0.0 - 2.5	Brown fine SAND	A-3	1	2.0	NOT ENCOUNTERED
		2.5 - 6.0	Gray sandy CLAY with iron stains	A-7-6	4		
HA-11B	2/25/03	0.0 - 2.0	Brown clayey fine SAND	A-2-6	3	2.0	7.0
		2.0 - 5.0	Gray fine SAND	A-3	1		
		5.0 - 13.0	Mottled reddish gray clayey fine SAND	A-7-6	4		

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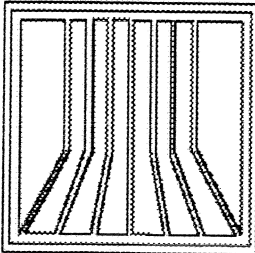
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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
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HA-12A	2/9/03	0.0 - 1.5	Brown fine SAND	A-3	1	3.0	NOT ENCOUNTERED
		1.5 - 3.0	Brown silty fine SAND	A-2-4	2		
		3.0 - 6.0	Brown sandy CLAY with iron stains	A-7-6	4		
HA-12B	2/25/03	0.0 - 0.5	Gray fine SAND	A-3	1	0.5	NOT ENCOUNTERED
		0.5 - 1.5	Brown fine SAND	A-3	1		
		1.5 - 15.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
HA-12C	2/26/03	0.0 - 2.5	Brown fine SAND	A-3	1	1.5	NOT ENCOUNTERED
		2.5 - 4.0	Brown clayey fine SAND	A-2-6	3		
		4.0 - 9.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		9.0 - 12.0	Mottled reddish gray very clayey fine SAND	A-7-6	4		
HA-13A	2/9/03	0.0 - 2.0	Gray fine SAND	A-3	1	*	*
		2.0 - 4.0	Light brown silty fine SAND	A-2-4	2		
		4.0 - 6.0	Gray sandy CLAY with iron stains	A-7-6	4		

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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-13B	2/26/03	0.0 - 3.0	Brown fine SAND	A-3	1	2.0	NOT ENCOUNTERED
		3.0 - 6.0	Brown clayey fine SAND	A-2-6	3		
		6.0 - 9.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		9.0 - 12.0	Brown clayey fine SAND	A-2-6	3		

* rainfall was running into auger hole, no groundwater level or seasonal high water table established

HA-13C	2/26/03	0.0 - 3.5	Brown fine SAND	A-3	1	2.5	NOT ENCOUNTERED
		3.5 - 5.0	Brown clayey fine SAND	A-2-6	3		
		5.0 - 6.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		6.0 - 9.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		9.0 - 12.0	Mottled reddish gray clayey fine SAND	A-2-6	3		

HA-14A	3/6/03	0.0 - 1.5	Brown fine SAND	A-3	1	1.0	1.5
		1.5 - 3.0	Tan fine SAND	A-3	1		
		3.0 - 6.5	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		6.5 - 11.0	Mottled reddish gray sandy CLAY	A-7-6	4		
		11.0 - 15.0	Light green sandy CLAY with thin limestone seams	A-7-6	4		

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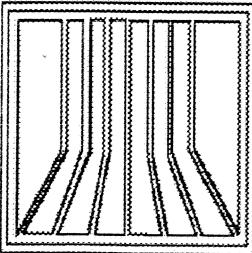
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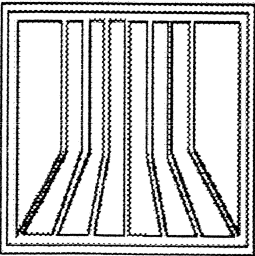
REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-14B	2/9/03	0.0 - 1.0	Brown fine SAND	A-3	1	*	*
		1.0 - 3.0	Brown sandy CLAY	A-7-6	4		
		3.0 - 6.0	Brown sandy CLAY with iron stains	A-7-6	4		
HA-14C	2/26/03	0.0 - 2.5	Gray fine SAND	A-3	1	0.0	0.5
		2.5 - 9.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		9.0 - 15.0	Gray very sandy CLAY	A-7-6	4		
HA-16A	2/26/03	0.0 - 2.5	Gray fine SAND with minor roots (Topsoil)	A-3	1	0.5	2.0
		2.5 - 4.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		4.0 - 5.5	Mottled reddish gray very sandy CLAY	A-7-6	4		
		5.5 - 11.5	Gray sandy CLAY with red seams	A-7-6	4		
HA-16B	2/9/03	0.0 - 1.0	Gray fine SAND	A-3	1	2.0	2.5
		1.0 - 4.0	Brown fine SAND	A-3	1		
		4.0 - 5.0	Gray and brown sandy CLAY	A-7-6	4		

* rainfall was running into auger hole, no groundwater level or seasonal high water table established



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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
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HA-16C	2/25/03	0.0 - 2.0	Gray fine SAND	A-3	1	1.0	6.0
		2.0 - 3.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		3.0 - 5.0	Gray fine SAND	A-3	1		
		5.0 - 8.0	Mottled reddish gray sandy CLAY	A-7-6	4		
		8.0 - 12.0	Gray sandy CLAY	A-7-6	4		
HA-17A	2/26/03	0.0 - 2.5	Gray fine SAND	A-3	1	0.0	1.0
		2.5 - 5.0	Mottled reddish gray very sandy CLAY	A-7-6	4		
		5.0 - 10.5	Mottled reddish gray very clayey fine SAND	A-7-6	4		
		10.5 - 11.0	Light green and tan very silty CLAY with limestone fragments	A-7-6	4		
HA-17B	2/9/03	0.0 - 3.0	Brown fine SAND	A-3	1	2.0	NOT ENCOUNTERED
		3.0 - 6.0	Brown sandy CLAY with iron stains	A-7-6	4		
HA-18A	2/9/03	0.0 - 3.0	Gray fine SAND	A-3	1	3.0	NOT ENCOUNTERED
		3.0 - 6.0	Brown clayey fine SAND with iron stains	A-2-6	3		

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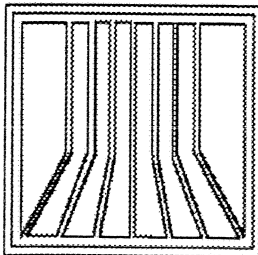
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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-18B	2/9/03	0.0 - 1.0	Gray fine SAND	A-3	1	2.5	3.0
		1.0 - 2.5	Light brown fine SAND	A-3	1		
		2.5 - 3.0	Brown silty fine SAND	A-2-4	2		
		3.0 - 4.5	Brown fine SAND	A-3	1		
		4.5 - 6.0	Brown very clayey fine SAND	A-7-6	4		
HA-18C	2/9/03	0.0 - 2.5	Dark brown fine SAND	A-3	1	2.5	5.0
		2.5 - 5.0	Brown fine SAND	A-3	1		
		5.0 - 6.0	Gray clayey fine SAND	A-2-6	3		
HA-18D	2/9/03	0.0 - 1.0	Dark brown sandy CLAY	A-7-6	4	2.0	2.5
		1.0 - 2.5	Gray fine SAND	A-3	1		
		2.5 - 3.0	Gray very sandy CLAY	A-7-6	4		
		3.0 - 5.5	Gray fine SAND	A-3	1		
		5.5 - 6.0	Gray and brown sandy CLAY	A-7-6	4		

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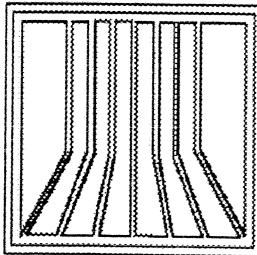
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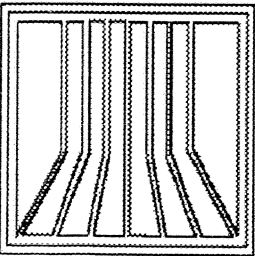


REPORT OF AUGER BORINGS

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WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-19A	2/26/03	0.0 - 0.5	Black silty fine SAND with wood fragments	A-8	5	0.0	0.0
		0.5 - 1.0	Brown fine SAND	A-3	1		
		1.0 - 3.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		3.0 - 4.0	Indurated gray CLAY	A-7-6	4		
LIMESTONE @ 4.0'; unable to penetrate further manually							
HA-19B	2/26/03	0.0 - 3.5	Brown fine SAND	A-3	1	0.0	9.0
		3.5 - 11.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
HA-20A	2/26/03	0.0 - 3.0	Brown fine SAND	A-3	1	1.0	NOT ENCOUNTERED
		3.0 - 3.5	Mottled reddish brown clayey fine SAND	A-2-6	3		
		3.5 - 14.0	Mottled reddish gray very sandy CLAY	A-7-6	4		
HA-20B	2/26/03	0.0 - 1.5	Gray fine SAND	A-3	1	0.0	4.0
		1.5 - 15.0	Gray sandy CLAY	A-7-6	4		



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REPORT OF AUGER BORINGS

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WILLIAMS PROJECT NO.: C301454

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HA-21A	2/26/03	0.0 - 4.5	Tan and brown fine SAND	A-3	1	0.0	3.0		
		4.5 - 5.5	Brown fine SAND Boring discontinued due to cave in	A-3	1				
HA-21B	2/26/03	0.0 - 1.0	Brown silty fine SAND with small roots (Topsoil)	A-2-4	2	0.5	1.5		
		1.0 - 1.5	Brown fine SAND with limestone fragments	A-3	1				
		1.5 - 2.0	Brown fine SAND	A-3	1				
		2.0 - 3.5	Black silty fine SAND with finely divided organic matter	A-8	5				
		3.5 - 5.5	Brown fine SAND	A-3	1				
HA-21C	3/1/03	5.5 - 15.0	Brown clayey fine SAND	A-2-6	3				
		0.0 - 2.0	Brown fine SAND	A-3	1			2.0	2.5
		2.0 - 9.0	Gray fine SAND Boring discontinued at 9.0' due to cave in	A-3	1				

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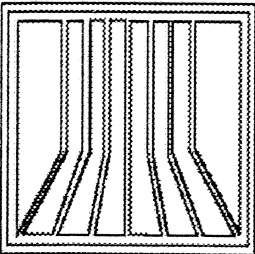
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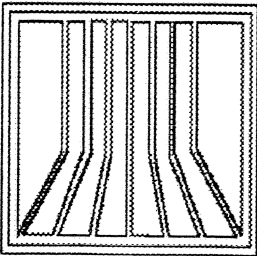


REPORT OF AUGER BORINGS

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WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-22A	2/26/03	0.0 - 2.0	Brown fine SAND	A-3	1	1.0	NOT ENCOUNTERED
		2.0 - 3.0	Mottled reddish brown very sandy CLAY	A-7-6	4		
		3.0 - 7.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		7.0 - 9.5	Brown clayey fine SAND	A-2-6	3		
		9.5 - 14.0	Tan clayey fine SAND with limestone fragments	A-2-6	3		
HA-22B	2/25/03	0.0 - 3.5	Gray fine SAND	A-3	1	0.0	1.0
		3.5 - 7.0	Brown clayey fine SAND	A-2-6	3		
HA-22C	3/5/03	0.0 - 2.0	Gray fine SAND	A-3	1	1.0	2.0
		2.0 - 4.0	Brown clayey fine SAND	A-2-6	3		
		4.0 - 12.5	Mottled reddish gray very sandy CLAY	A-7-6	4		
HA-22-23D	3/6/03	0.0 - 2.5	Gray fine SAND	A-3	1	1.0	2.5
		2.5 - 4.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		4.0 - 13.0	Mottled reddish gray clayey fine SAND	A-2-6	3		



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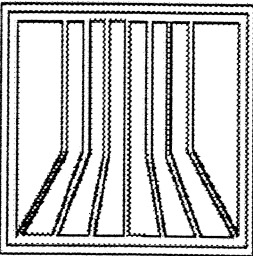
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WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-23A	3/6/03	0.0 - 2.0	Gray fine SAND	A-3	1	0.5	1.0
		2.0 - 3.0	Brown silty fine SAND	A-2-4	2		
		3.0 - 8.0	Brown clayey fine SAND	A-2-6	3		
		8.0 - 15.0	Mottled reddish light green sandy CLAY with thin limestone seams	A-7-6	4		
HA-23B	2/25/03	0.0 - 1.5	Gray fine SAND	A-3	1	1.0	1.5
		1.5 - 4.0	Brown clayey fine SAND	A-2-6	3		
		4.0 - 5.5	Mottled reddish gray very clayey fine SAND	A-7-6	4		
		5.5 - 15.0	Mottled reddish gray CLAY	A-7-6	4		
HA-24A	3/6/03	0.0 - 4.0	Gray fine SAND	A-3	1	NOT ENCOUNTERED	NOT ENCOUNTERED
		4.0 - 8.5	Brown very clayey fine SAND	A-7-6	4		
		8.5 - 14.0	Mottled reddish gray very sandy CLAY	A-7-6	4		

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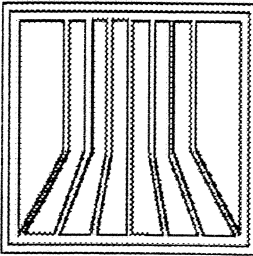
REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-24B	3/1/03	0.0 - 2.0	Brown silty CLAY	A-7-6	4	0.0	NOT ENCOUNTERED
		2.0 - 6.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
HA-24C	3/6/03	0.0 - 1.5	Brown silty fine SAND with minor roots (Topsoil)	A-2-4	2	0.0	NOT ENCOUNTERED
		1.5 - 6.0	Brown sandy CLAY	A-7-6	4		
		6.0 - 11.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
		11.0 - 15.0	Light green sandy CLAY with thin limestone seams	A-7-6	4		
HA-25A	2/26/03	0.0 - 0.75	Brown fine SAND	A-3	1	0.0	NOT ENCOUNTERED
		0.75 - 2.5	Brown sandy CLAY	A-7-6	4		
		2.5 - 4.0	Mottled reddish gray CLAY with minor limestone	A-7-6	4		
		4.0 - 4.1	Indurated gray CLAY	A-7-6	4		

LIMESTONE @ 4.1'; unable to penetrate further manually



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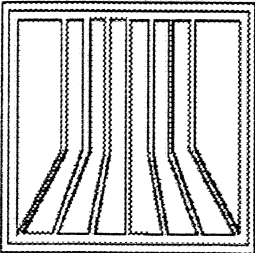
REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-25B	2/26/03	0.0 - 0.75	Brown fine SAND	A-3	1	0.0	NOT ENCOUNTERED
		0.75 - 2.0	Mottled reddish brown sandy CLAY	A-7-6	4		
HA-25-26D1	3/6/03	0.0 - 0.5	Brown silty fine SAND	A-2-4	2	0.0	NOT ENCOUNTERED
		0.5 - 1.5	Brown sandy CLAY with limestone fragments	A-7-6	4		
		1.5 - 3.5	Brown sandy CLAY with numerous limestone fragments	A-7-6	4		
LIMESTONE @ 3.5'; unable to penetrate further manually							
HA-25-26D2 Offset 3.0' ast of 25-26D1	3/6/03	0.0 - 0.5	Brown silty fine SAND	A-2-4	2	0.0	NOT ENCOUNTERED
		0.5 - 1.5	Brown sandy CLAY with limestone fragments	A-7-6	4		
		1.5 - 3.5	Brown sandy CLAY with numerous limestone fragments	A-7-6	4		
LIMESTONE @ 3.5'; unable to penetrate further manually							

A-20



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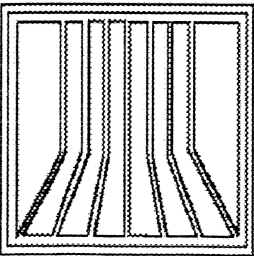
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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-25-26D3 Offset 3.0' ast of 25-26D2	3/6/03	0.0 - 0.5	Brown silty fine SAND	A-2-4	2	0.0	NOT ENCOUNTERED
		0.5 - 1.5	Brown sandy CLAY with limestone fragments	A-7-6	4		
		1.5 - 3.5	Brown sandy CLAY with numerous limestone fragments LIMESTONE @ 3.5'; unable to penetrate further manually	A-7-6	4		
HA-26A	3/5/03	0.0 - 1.5	Brown slightly silty fine SAND	A-2-4	2	1.0	1.5
		1.5 - 11.0	Mottled reddish gray sandy CLAY	A-7-6	4		
		11.0 - 15.0	Light green sandy CLAY	A-7-6	4		
HA-26B	3/1/03	0.0 - 0.75	Brown silty fine SAND	A-2-4	2	0.0	NOT ENCOUNTERED
		0.75 - 2.0	Brown silty CLAY LIMESTONE @ 2.0'; unable to penetrate further manually	A-7-6	4		
HA-27A	2/25/03	0.0 - 1.0	Brown clayey fine SAND	A-2-6	3	0.5	1.0
		1.0 - 3.5	Mottled reddish brown clayey fine SAND	A-7-6	4		
		3.5 - 11.5	Mottled reddish brown clayey fine SAND	A-7-6	4		



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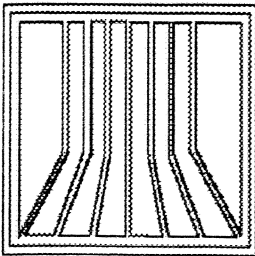
REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-27B	3/5/03	0.0 - 1.0	Brown slightly silty fine SAND with minor roots (Topsoil)	A-2-4	2	1.0	1.5
		1.0 - 8.5	Mottled reddish brown very sandy CLAY	A-7-6	4		
		8.5 - 15.0	Mottled reddish gray sandy CLAY	A-7-6	4		
HA-28A	3/5/03	0.0 - 1.0	Brown fine SAND	A-3	1	0.5	1.0
		1.0 - 14.0	Mottled reddish brown sandy CLAY	A-7-6	4		
HA-28B	3/5/03	0.0 - 0.5	Brown fine SAND	A-3	1	0.5	1.0
		0.5 - 3.0	Mottled reddish brown very sandy CLAY	A-7-6	4		
		3.0 - 15.0	Mottled reddish gray sandy CLAY	A-7-6	4		
HA-28C	3/5/03	0.0 - 1.0	Brown fine SAND	A-3	1	0.5	1.0
		1.0 - 2.5	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		2.5 - 12.5	Mottled reddish gray sandy CLAY	A-7-6	4		

A-22



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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-29A	2/26/03	0.0 - 1.0	Gray fine SAND	A-3	1	0.5	1.0
		1.0 - 3.5	Brown clayey fine SAND	A-2-6	3		
		3.5 - 8.0	Gray clayey fine SAND Hole caved @ 8.0', unable to continue manually	A-2-6	3		
HA-29B	3/5/03	0.0 - 1.5	Brown fine SAND	A-3	1	1.0	1.5
		1.5 - 9.5	Mottled reddish gray very clayey fine SAND	A-7-6	4		
HA-29C	3/1/03	0.0 - 2.0	Brown fine SAND	A-3	1	0.5	1.0
		2.0 - 4.0	Mottled reddish brown sandy CLAY	A-7-6	4		
		4.0 - 6.0	Mottled reddish brown sandy CLAY	A-7-6	4		
		6.0 - 12	Mottled reddish brown very sandy CLAY	A-7-6	4		
HA-30A	2/26/03	0.0 - 1.0	Brown fine SAND	A-3	1	0.5	1.0
		1.0 - 9.5	Gray very clayey fine SAND	A-7-6	4		

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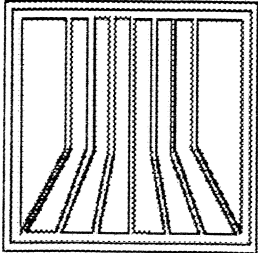
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PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
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HA-30B	3/5/03	0.0 - 1.5	Brown fine SAND with limestone fragments	A-3	1	1.0	1.5
		1.5 - 2.0	Brown silty fine SAND	A-2-4	2		
		2.0 - 4.0	Brown very clayey fine SAND	A-7-6	4		
		4.0 - 15.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
HA-31A	2/26/03	0.0 - 3.5	Brown fine SAND	A-3	1	2.5	NOT ENCOUNTERED
		3.5 - 12.5	Mottled reddish gray sandy CLAY	A-7-6	4		
HA-31B	3/1/03	0.0 - 3.0	Brown fine SAND	A-3	1	2.0	NOT ENCOUNTERED
		3.0 - 4.0	Mottled reddish brown slightly clayey fine SAND	A-3	1		
		4.0 - 12.5	Mottled reddish gray clayey fine SAND	A-2-6	3		
HA-31C	3/5/03	0.0 - 3.5	Gray fine SAND	A-3	1	3.0	3.5
		3.5 - 15.0	Mottled reddish gray sandy CLAY	A-7-6	4		
HA-32A	3/5/03	0.0 - 1.5	Gray fine SAND	A-3	1	0.5	1.0
		1.5 - 6.0	Mottled reddish gray clayey fine SAND	A-2-6	3		
		6.0 - 15.0	Mottled reddish brown sandy CLAY	A-7-6	4		

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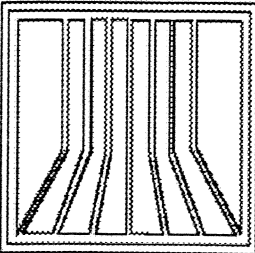
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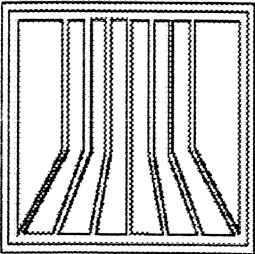


REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
HA-32B	3/1/03	0.0 - 3.0	Brown fine SAND	A-3	1	2.0	NOT ENCOUNTERED
		3.0 - 4.0	Mottled reddish brown very clayey fine SAND	A-7-6	4		
		4.0 - 11.0	Mottled reddish brown clayey fine SAND	A-2-6	3		
HA-32C	2/26/03	0.0 - 3.5	Gray fine SAND	A-3	1	2.5	3.5
		3.5 - 7.5	Mottled reddish brown clayey fine SAND	A-2-6	3		
		7.5 - 15.0	Mottled reddish gray very sandy CLAY	A-7-6	4		
HA-33A	3/1/03	0.0 - 2.0	Brown fine SAND	A-3	1	1.0	NOT ENCOUNTERED
		2.0 - 4.0	Mottled reddish brown very clayey fine SAND	A-2-6	3		
		4.0 - 11.5	Mottled reddish brown clayey fine SAND	A-7-6	4		
HA-33B	3/5/03	0.0 - 2.5	Gray fine SAND	A-3	1	2.5	3.0
		2.5 - 4.0	Brown fine SAND	A-3	1		
		4.0 - 13.5	Mottled reddish gray clayey fine SAND	A-2-6	3		



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REPORT OF AUGER BORINGS

PROJECT NAME: SR 485 FROM SR 50 TO US 98 & US 98 FROM ST 485 TO NORTH OF SUNCOAST PARKWAY

WILLIAMS PROJECT NO.: C301454

BORING NUMBER	DATE PERFORMED	DEPTH (FT) FROM/TO	SOIL DESCRIPTION	AASHTO	STRATUM	SEASONAL HIGH WATER TABLE ESTIMATE (FT)	GROUNDWATER LEVEL (FT)
---------------	----------------	--------------------	------------------	--------	---------	---	------------------------

HA-35A

There is an existing pond already constructed @ this location - apparently as part of the Suncoast Parkway. The pond is excavated about 10 feet below existing grade. Therefore, no boring was performed.

HA-35B

There is an existing pond already constructed @ this location - apparently as part of the Suncoast Parkway. The pond is excavated about 10 feet below existing grade. Therefore, no boring was performed.

HA-35C

0.0 - 3.0	Gray fine SAND	A-3	1	3.0	NOT
3.0 - 3.5	Tan fine SAND	A-3	1		ENCOUNTERED
3.5 - 6.5	Brown silty fine SAND	A-2-4	2		
6.5 - 7.5	Brown clayey fine SAND	A-2-6	3		
7.5 - 12.5	Mottled reddish gray clayey fine SAND	A-2-6	3		

A-27

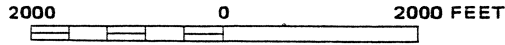
**APPENDIX B
PLAN SHEETS SHOWING ALTERNATIVE POND SITES**

See File
Final PSR Plan Set.pdf

**APPENDIX C
FLOOD INSURANCE RATE MAPS**



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**

**HERNANDO COUNTY,
FLORIDA
(UNINCORPORATED AREAS)**

PANEL 175 OF 400

**COMMUNITY-PANEL NUMBER
120110 0175 B**

EFFECTIVE DATE:

APRIL 17, 1984



Federal Emergency Management Agency

KEY TO MAP

500-Year Flood Boundary	—————	
100-Year Flood Boundary	—————	
Zone Designations*		
100-Year Flood Boundary	—————	
500-Year Flood Boundary	—————	
Base Flood Elevation Line With Elevation In Feet**	~~~~~	513
Base Flood Elevation in Feet Where Uniform Within Zone**		(EL 987)
Elevation Reference Mark		RM7x
Zone D Boundary	—————	
River Mile		•M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

***EXPLANATION OF ZONE DESIGNATIONS**

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

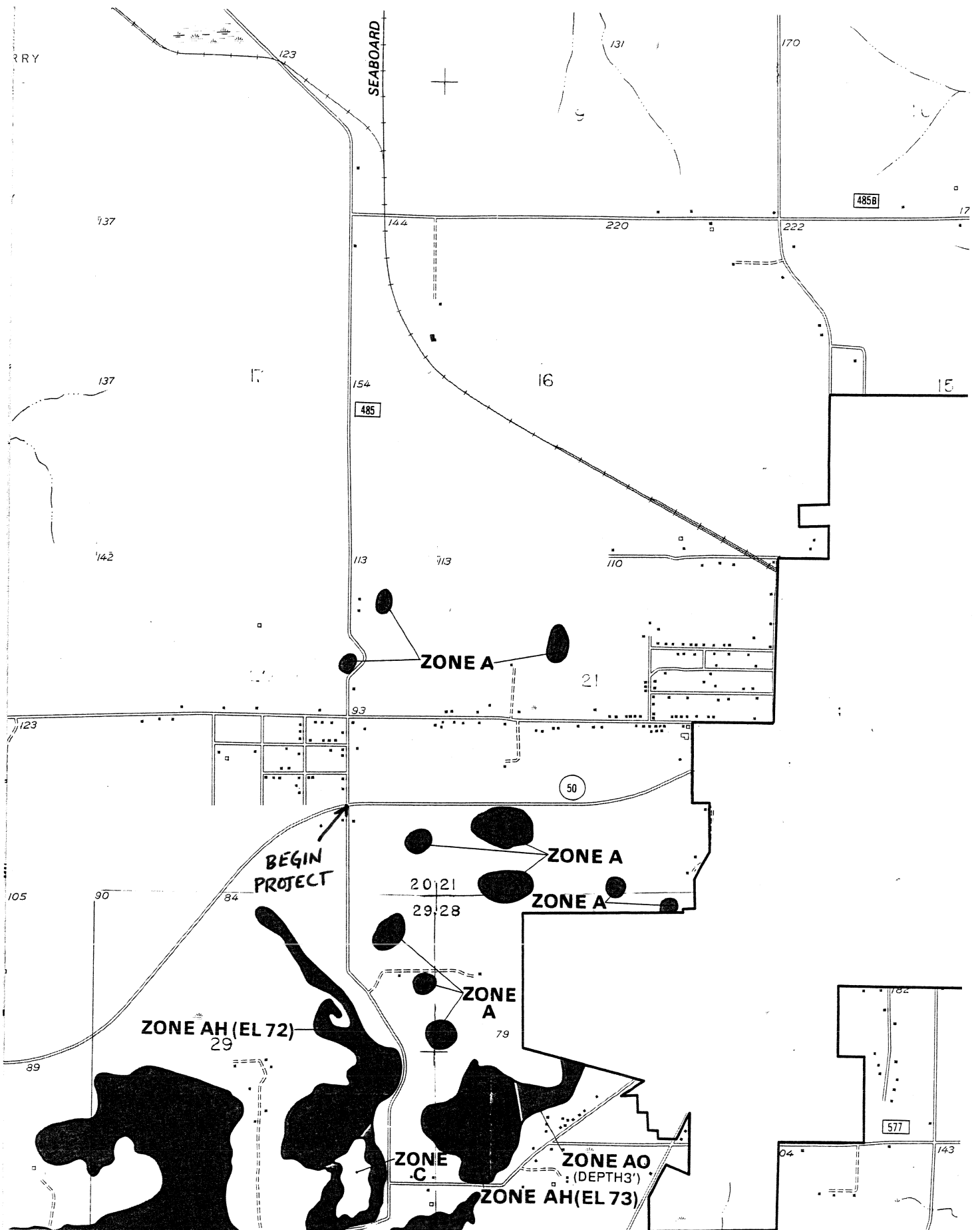
NOTES TO USER

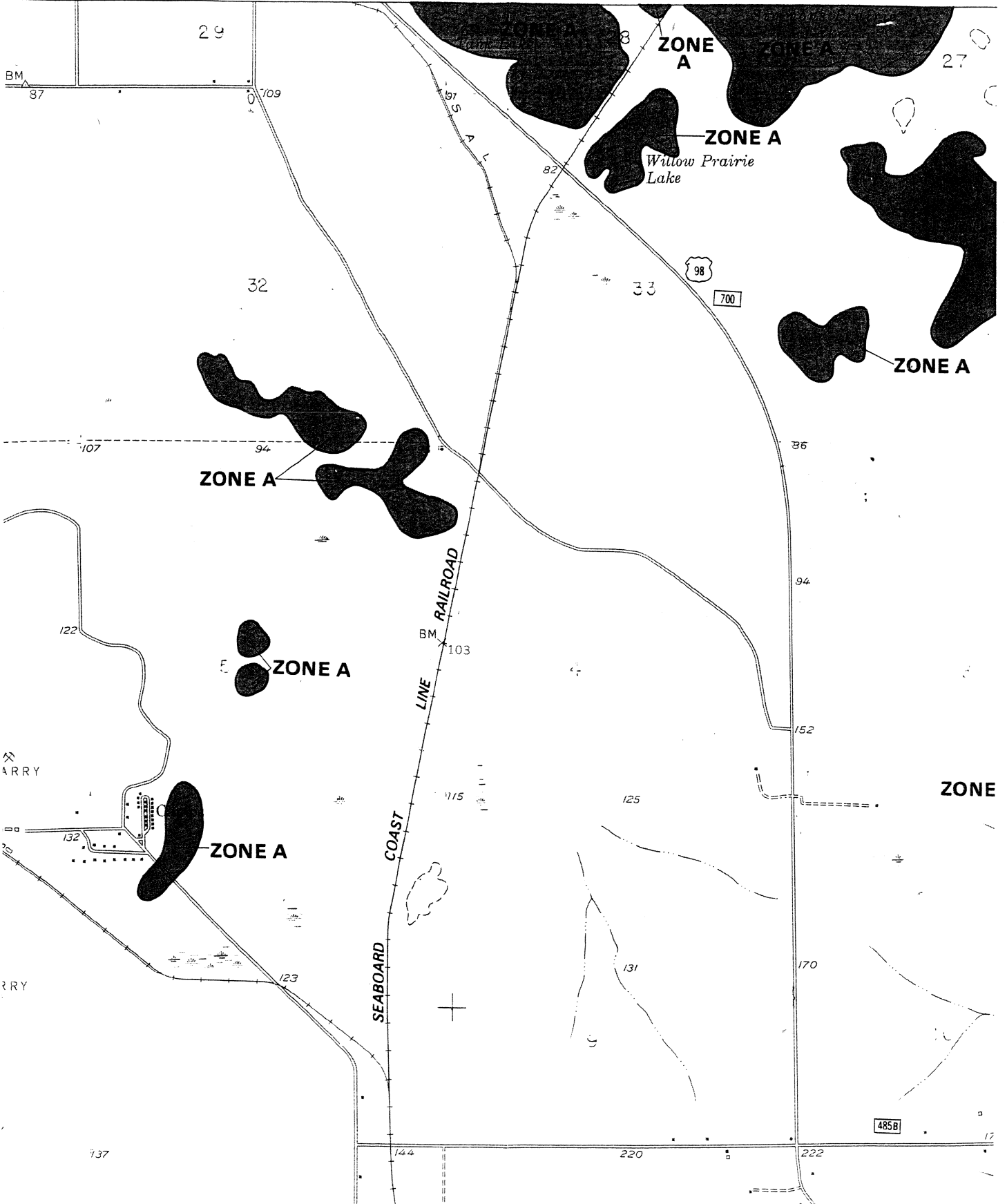
Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

For adjoining map panels, see separately printed Index To Map Panels.

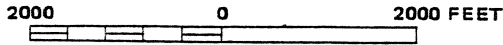
Coastal Base Flood Elevations shown on this map include the effects of wave action.







APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**

**HERNANDO COUNTY,
FLORIDA
(UNINCORPORATED AREAS)**

PANEL 75 OF 400

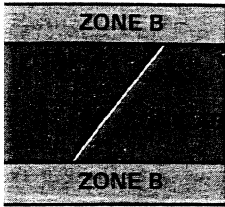
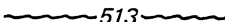
**COMMUNITY-PANEL NUMBER
120110 0075 B**

**EFFECTIVE DATE:
APRIL 17, 1984**



Federal Emergency Management Agency

KEY TO MAP

- 500-Year Flood Boundary —————→
- 100-Year Flood Boundary —————→
- Zone Designations* 
- 100-Year Flood Boundary —————→
- 500-Year Flood Boundary —————→
- Base Flood Elevation Line
With Elevation In Feet**  513
- Base Flood Elevation in Feet
Where Uniform Within Zone** (EL 987)
- Elevation Reference Mark RM7X
- Zone D Boundary —————→
- River Mile •M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

***EXPLANATION OF ZONE DESIGNATIONS**

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

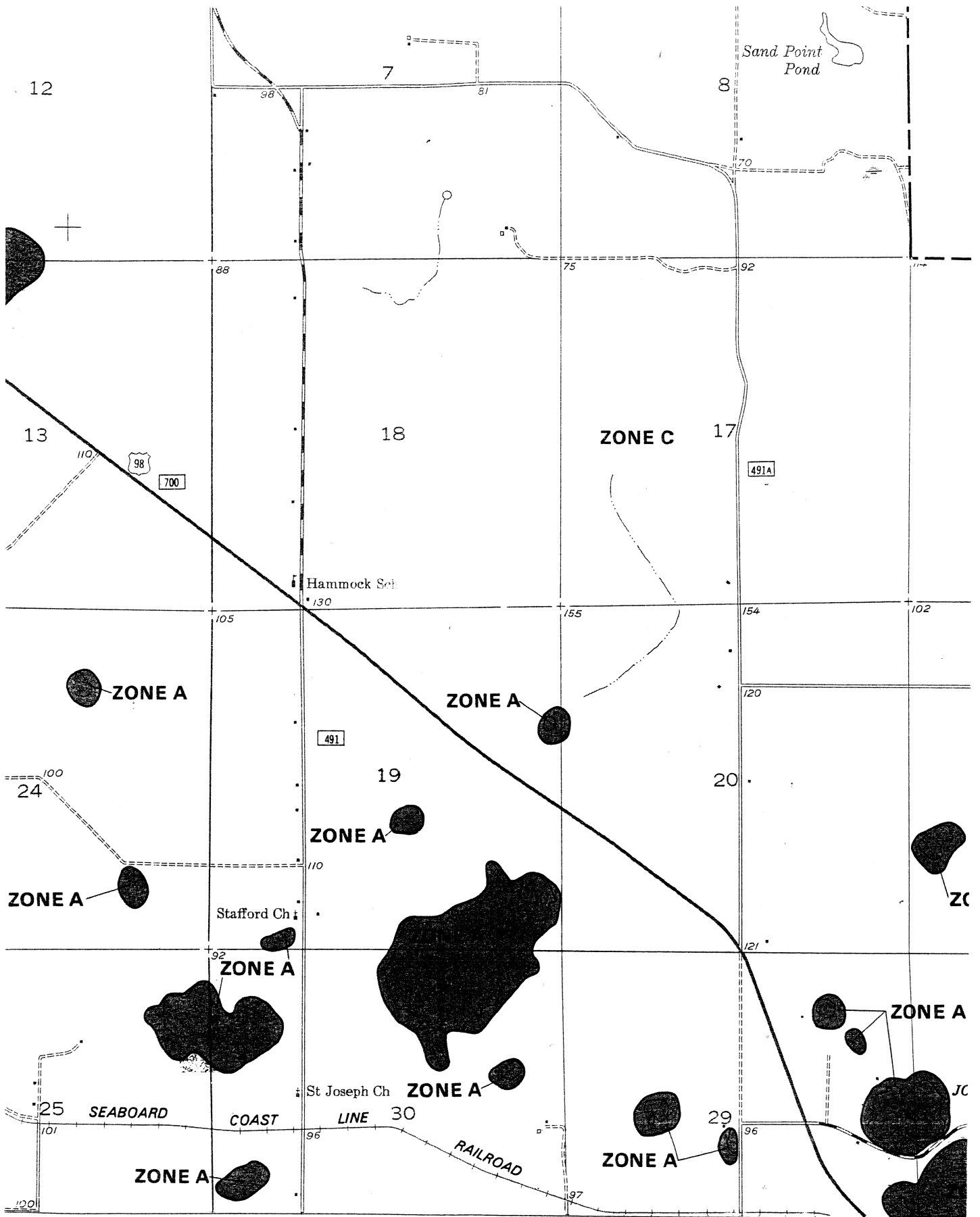
NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

For adjoining map panels, see separately printed Index To Map Panels.

Coastal Base Flood Elevations shown on this map include the effects of wave action.



JOINS PANEL 175

**APPENDIX D
CULTURAL RESOURCE ASSESSMENT SURVEY EXECUTIVE SUMMARY**

**DRAFT CULTURAL RESOURCE ASSESSMENT SURVEY REPORT
COBB ROAD (CR 485)/US 98 PD&E STUDY**

EXECUTIVE SUMMARY

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) Study for improvement alternatives to CR 485 (Cobb Road) from SR 50 to US 98 and US 98 from CR 485 (Cobb Road) to the North Suncoast Parkway in Hernando County, Florida. The Study also is evaluating proposed stormwater retention and floodplain compensation areas. The total length of the proposed project is approximately 11.5 miles. A cultural resource assessment survey (CRAS) was undertaken to comply with Section 106 of the National Historic Preservation Act of 1966 (Public Law 89-655), as amended, and the implementing regulations 36 CFR 800 (revised May 1999), as well as the provisions contained in the revised Chapter 267, Florida Statutes. All work was carried out in conformity with Part 2, Chapter 12 ("Archaeological and Historical Resources") of the FDOT's Project Development and Environment Manual (revised January 1999), and the standards contained in "The Historic Preservation Compliance Review Program of the Florida Department of State, Division of Historical Resources" manual (revised November 1990).

The purpose of the cultural resource assessment survey was to locate, identify, and bound any cultural resources within the project area of potential effects (APE) and to assess their significance in terms of eligibility for listing in the National Register of Historic Places (NRHP). The historical/architectural and archaeological field surveys were conducted between November 2001 and August 2002. This report documents the results of the CRAS component of the PD&E Study, and includes the roadway alignment alternatives as well as proposed alternate pond sites.

Archaeological background research, including a review of the Florida Master Site File (FMSF) and the NRHP, indicated that 11 previously recorded archaeological sites are located along the Cobb Road/US 98 project corridor. A review of relevant site locational information for environmentally similar areas within Hernando County and the surrounding region indicated a high probability for the occurrence of prehistoric sites within portions of the project corridor. The background research also indicated that sites, if present, would most likely be small lithic or artifact scatters. The results of historical research suggested a moderate potential for historic period archaeological sites associated with late nineteenth and early twentieth century settlements and roads. As a result of the field survey, four archaeological sites (8HE461, -462, -477, and -478) were newly identified and eight previously recorded sites (8HE28, -67, -68, -69, -70, -71, -73, and -74) were found. Of these total 12 archaeological sites, none is considered potentially eligible for listing in the NRHP. Two archaeological occurrences (AOs) also were discovered.

**DRAFT CULTURAL RESOURCE ASSESSMENT SURVEY REPORT
COBB ROAD (CR 485)/US 98 PD&E STUDY**

Historical background research, including a review of the FMSF and the NRHP, indicated that no historic resources (50 years of age or older) are recorded in the project area. Field survey resulted in the identification and evaluation of ten historic resources (8HE439 through -443 and 8HE445 through -449). Of these, the Hammock Consolidated School (8HE447) is considered potentially eligible for listing in the NRHP. This historic property is located adjacent to the existing right-of-way. No new right-of-way or pond areas have been proposed in this site area.

**APPENDIX E
SWFWMD MEETING MINUTES**

Water Quantity Discussion: (Basin Description, Design Storm Event, Pre/Post Volume, Pre/Post Discharge, Local Requirements, Other) .

Project is in a closed drainage basin. Design storm is based on a 100-year, 24-hour rainfall of 13 inches. Although the rule requires that the 100-year pre/post-volume be physically retained in the pond, past practice on a few projects in the Peck Sink study area had allowed the FDOT to detain, not retain the 100-year pre/post volume. The applicant is advised to follow the rule requirement on this, just in case the project is challenged, is not unusual for road projects. If ponds are sized with discharge anticipated after the pre/post volume is full, then the discharge structure must be sized to attenuate post-development peak rates of runoff from the 25-year, 24-hour rainfall event. Will need to hydraulically check all cross drains by routing the 100-year storm through such pipes. Ensure that such calculations do not show a rise in upstream or headwater elevations above pre-development headwaters at existing crossings. Mitigation will be required for loss of historic basin storage.

Water Quality Discussion: (Type of Stormwater Treatment, Technical Characteristics, Non-presumptive Alternatives, Construction Phase Water Management and Erosion Control, Contaminated Sites, Ground Water Protection, etc.)

Treatment System Type, etc.: It is expected that wet detention ponds will be required, based on the soils in the area, especially for the southerly area of the project. Design such systems in compliance with the ERP Basis of review for wet detention systems. Note that for wet detention systems in closed basins, the normal design stacks the 100-year pre/post volume atop the seasonal high water table elevation. The bleed down device is then set atop the 100-year pre/post volume, and the treatment volume is then stacked no deeper than 18 inches atop this bleed down device. Normally, the discharge structure will be set atop this treatment volume. Conservation design is acceptable to the District, although care must be taken not to put such systems in series. Littoral zone, depth and slope requirements must be consistent with the ERP Basis of review. Note that the District does require littoral zones for conservation design systems. The practice of accepting more permanent pool volume in lieu of littoral zone is not this District's policy. The applicant must adequately address all other subtiles under this subject. Note that for alterations to existing public roads, there is a special requirement for computing the treatment volume, pursuant to the ERP Basis of Review. The DCIA concept applies for off-site watersheds. Check FDEP for information on possible contaminated sites near proposed ponds. Direct discharges to sinkholes, if proposed, will not be allowed. However, treatment of double the required treatment volume may be accomplished prior to discharging to sinkholes.

Operation And Maintenance, Legal Information: (Ownership or Perpetual Control, Eminent Domain, Work on District Property, Inspections During Const., O&M Entity, System O&M Instructions, Homeowner Association Documents, Coastal Zone Requirements, Public Safety, etc.)

Legal Information: For applicants with powers of eminent domain, the applicant must provide the names and addresses of all property owners whose property will be taken for project construction. The list must be from the County's Property Appraiser's office. These individuals will be "noticed" by the District during the application review.

Application Type And Fee Required: (40D-4.041 Permits Required, 40D-1.507 Fee Schedule, etc.)

Wetland impacts anticipated was declared to be around 3 plus acres. This will be an Individual ERP application with a \$2,500.00 application fee.

Other: (Future Pre-Application Meetings, Fast Track, Submittal Date, Construction Start Date, Required District Permits - WUP, WOD, Well Construction, etc.)

It will be necessary to identify all staging areas for the project. Additionally, show areas of possible temporary stockpiles or off-site disposal of unwanted materials. It may be necessary to include such areas in the project limits as off-site components. Contact Sandy Semegen, Field Service Supervisor, at extension 4349 for assistance with possible permitted wells within or adjacent to the right-of-way.

Disclosure: The District ERP pre-application meeting process is a service made available to the public to assist interested parties in preparing for submittal of a complete permit application. Information shared at pre-application meetings is superseded by the actual permit application submittal. District permit decisions are based upon information submitted during the application process and Rules in effect at the time the application is complete.

The following person was present and authored these ERP Pre-Application Meeting NOTES on behalf of the SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT:

Leonard F. Bartos, P.W.S., Surface Water Regulation Manager

David Z. Sua, P.E., Sr. Professional Engineer

District Staff Representatives

David Z. Sua 2/11/03
Name and Title

[Signature]

2/11/03
Date

Signed

Date

**APPENDIX F
ENGINEERING CALCULATIONS**

2-11-03

GIVEN: Sub-basin 12

Length of Sub-basin = 2750'
 Width of Sub-basin (proposed) = 215'

Existing typical section: rural
 (32' of impervious row width)

Determine PRE CN:

HSG: 50% C, 50% D

existing % impervious = $32'/215' = 15\%$

TRSS Input

HSG	% Impervious	% Pervious	TOTAL
C	7	43	100%
D	7	43	

TRSS output

PRE Weighted CN: **80**

Determine POST CN: (including a pond site @ 20% size of sub-basin)

HSG: 41% C, 59% D

proposed typical section: suburban transitioning to rural
 (78' of impervious row width)

proposed % impervious = $78'/215' = 36\%$

TRSS Input

HSG	% Impervious	% Pervious	TOTAL
C	15	26	100%
D	21	38	

TRSS output

POST Weighted CN: **85**

22-141 50 SHEETS
 22-142 100 SHEETS
 22-144 200 SHEETS



2-11-03

-7

Determine
Time of Concentration (t_c):

ASSUME PRE t_c = POST t_c

Total length of longest path = 2200'

Sheet Flow: length = 300' (dense grass)

2yr/24hr rainfall = 5"

elev. diff over length = 1'

$$\text{slope} = 1' / 300' = 0.003 \text{ ft/ft}$$

Shallow Concentrated Flow:

length = 300' (unpaved)

elev diff over length = 1.5'

$$\text{slope} = 1.5' / 300' = 0.005$$

Channel Flow:

(Using Flowmaster)

Cross-sectional Flow Area = 10 sq ft

Wetted Perimeter = 15.21 ft

Manning's n = 0.03

Velocity = 2.1 ft/sec

Hydraulic Radius = 0.66

elev. diff over length = 5'

length = 1600'

$$\text{slope} = 5' / 1600' = 0.003$$

TRSS OUTPUT } PRE
DAST } $t_c = (1.27 \text{ hr})$



Proposed Drainage Area (including pond):

$$= (2750')(215')(1.2) / 43560 = \underline{\underline{16.3 \text{ ac.}}}$$

% w/ pond

TR55 Results: (SPDM)

PRE 25-yr peak outflow: 50 cfs

PRE 100-yr peak outflow: 67 cfs

PRE 25-yr runoff: 6.4 in.

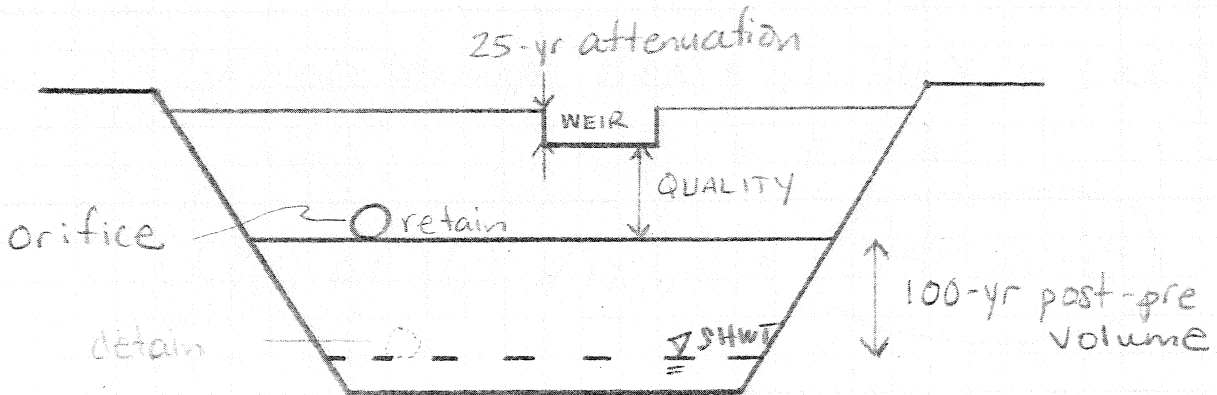
PRE 100-yr runoff: 8.6 in.

POST 25-yr peak outflow: 55 cfs

POST 100-yr peak outflow: 72 cfs

POST 25-yr runoff: 7 in.

POST 100-yr runoff: 9.2 in.



As per SWFWMD: use retaining pond design
for closed basin (wet)

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



2-11-03

Determine 100-yr post-pre volume:

Pre 100yr Volume Runoff =

$$(0.72') (16.3 \text{ ac}) = 11.7 \text{ ac-ft}$$

Post 100yr Volume Runoff =

$$(0.77') (16.3 \text{ ac}) = 12.5 \text{ ac-ft}$$

$$(12.5 \text{ ac-ft}) - (11.7 \text{ ac-ft}) = 0.8 \text{ ac-ft}$$

Determine Quality (Treatment) Volume:

Wet Pond: Treat 1" Runoff from
Impervious drainage area

$$\begin{aligned} \text{Impervious drainage area} &= (0.36)(16.3 \text{ ac}) \\ &= 5.9 \text{ ac} \end{aligned}$$

$$(5.9 \text{ ac}) (1" / 12" / 1') = 0.49 \text{ ac-ft}$$



2-11-03

Determine 25-yr Attenuation Volume:

$$Q_0 = \text{Pre 25-yr outflow} = 50 \text{ cfs}$$

$$Q_i = \text{Post 25-yr outflow} = 55 \text{ cfs}$$

$$\text{Actual } Q_0/Q_i \text{ Ratio} = \frac{50}{55} = 0.9$$

TRSS will accept only $Q_0/Q_i = 0.1$ to 0.8 .

$$\therefore \text{Adjusted } Q_0/Q_i \text{ Ratio} = 0.8$$

$$\text{Adjusted } Q_i = \frac{Q_0}{Q_0/Q_i \text{ Adj.}} = \frac{50 \text{ cfs}}{0.8} = 62.5 \text{ cfs}$$

TRSS Results: 25-yr volume = 1.7 ac-ft

Total Reg'd Pond Volume =

(100 yr Post-Pre) + (Quality) + (25 yr Atten.)

$$= (0.8 \text{ ac-ft}) + (0.49 \text{ ac-ft}) + (1.7 \text{ ac-ft})$$

$$= 3.0 \text{ ac-ft}$$

Total Reg'd Pond Volume = 3 ac-ft

3 alt. SMF sites: 12a, 12b, 12c

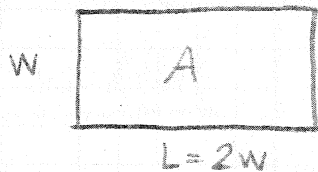
Based on existing ground elevations, roadway elevations + est. SHWT elevations, choose pond depth.

	<u>Ground</u>	<u>Roadway</u>	<u>SHWT</u>
12a:	90-94	93	
12b:	91-94	93	
12c:	91-95	93	

* Choose pond depth = 2' for 12a, 12b + 12c

$$\text{Pond area} = \frac{3 \text{ ac-ft}}{2'} = \underline{\underline{1.5 \text{ ac.}}} = \underline{\underline{65489 \text{ sq ft}}}$$

Assume rectangular shape:



$$\begin{aligned} A &= L \times W \\ &= 2W \times W \\ &= 2W^2 \end{aligned}$$

$$W^2 = \frac{A}{2}$$

$$W = \left(\frac{A}{2}\right)^{1/2}$$

$$W = \left(\frac{65489}{2}\right)^{1/2}$$

$$W = 32744.5^{1/2}$$

$$W = 181.0'$$

$$L = 2W = \underline{\underline{361.9'}}$$

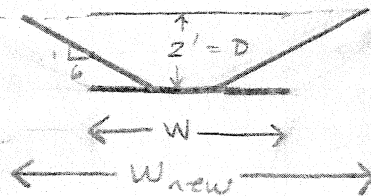
2-11-03

Add Pond Side Slopes:

Assume 1:6 S = 6

sides

$$\begin{aligned}
 W_{\text{new}} &= W + (D * S * 2) (1/2) \\
 &= 181.0 + (2') (6') (2) (1/2) \\
 &= 181.0 + 12' \\
 &= 193.0'
 \end{aligned}$$

See p. 2-6 of
Stormwater Mgmt Prac.
Handbook

$$\begin{aligned}
 L_{\text{new}} &= L + (D * S * 2) (1/2) \\
 &= 361.9' + 12' \\
 &= 373.9'
 \end{aligned}$$

Water Surface Area @ Peak Design Stage:

$$\begin{aligned}
 &= (193.0') (373.9') \\
 &= 72162.7 \text{ sqft} \\
 &= \text{1.66 ac}
 \end{aligned}$$

Add Berm Widths:

Use berm width = 20' on both sides

$$W = (193') + (20') + (20') = 233.0'$$

$$L = (373.9') + (20') + (20') = 413.9'$$

$$\begin{aligned}
 \text{Area} &= (233') (413.9') = 96438.7 \text{ sqft} \\
 &= 2.21 \text{ ac}
 \end{aligned}$$

$$\text{Add 10\%} = \text{2.43 ac}$$

PRE CURVE NUMBERS

PRE DEVELOPMENT CONDITIONS

BASIN	PROPOSED AVG RW WIDTH	HSG				Percent Impervious				HSG - % Impervious				HSG - % Pervious				WEIGHTED CN
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
1	110	80%			20%	60%	48%					12%	32%				8%	78
2	115			50%	50%	28%						14%					36%	83
3	120			100%		27%						27%					73%	80
4	160			25%	75%	20%						5%					20%	82
5	160			20%	80%	20%						4%					16%	83
7	170	55%		45%		19%						8%					37%	63
8	170			100%		19%						19%					81%	79
9	170		10%		90%	19%						2%					73%	82
10	170		20%		75%	19%						4%					61%	80
11	165			5%	100%	19%						1%					4%	83
12	215			50%	50%	15%						7%					43%	80
13	240			100%		13%						13%					87%	77
14	240			80%	20%	13%						11%					69%	78
16	240			100%		13%						13%					87%	77
17	240				100%	13%						3%					13%	82
18	240			25%	75%	13%						3%					10%	81
19	240			100%		13%						13%					22%	77
20	240			80%	20%	13%						11%					87%	78
21	240				100%	13%						11%					69%	77
22	240				65%	13%						3%					9%	82
23	240	35%		25%	75%	13%						3%					10%	70
24	240			12%	70%	13%						2%					65%	81
25	240			15%	85%	13%						2%					10%	75
26	240				100%	13%						2%					13%	82
25/26	240				100%	13%						13%					87%	82
27	240			40%	60%	13%						13%					87%	82
28	240				100%	13%						5%					35%	80
29	240			80%	20%	13%						11%					13%	82
30	240			50%	50%	13%						11%					17%	78
31	240			100%		13%						7%					43%	80
32	240			100%	20%	13%						13%					87%	77
33	240	80%			100%	13%						11%					17%	77
34	240	100%			20%	13%						13%					87%	53
35	260	90%		10%	10%	12%						11%					9%	47
																		49

TR55 RESULTS

URBAN TYPICAL SECTION: 66' OF RW WIDTH IS IMPERVIOUS (AREA 1 ONLY)

RURAL TYPICAL SECTION: 32' OF RW WIDTH IS IMPERVIOUS

POST CURVE NUMBERS

POST DEVELOPMENT CONDITIONS, INCLUDING PONDS

Basin	HSG				Percent Total Impervious				HSG - % Impervious				HSG - % Pervious				WEIGHTED CN
	PROPOSED AVG RW WIDTH				A	B	C	D	A	B	C	D	A	B	C	D	
	A	B	C	D													
1	110	84%		16%	67%			57%			39%	11%	27%		5%	81	
2	115		60%	40%	64%						62%	26%			14%	90	
3	120		100%		62%						51%	40%			38%	89	
4	160		21%	79%	51%						11%	30%			10%	89	
5	160		41%	59%	51%						21%	30%			20%	88	
7	170		37%		48%						18%	40%			19%	74	
8	170	18%	82%		48%			9%			40%	44%	9%		42%	83	
9	170		8%	92%	48%						4%	39%		4%	48%	88	
10	170		16%	80%	48%						8%	50%		8%	41%	87	
11	165			100%	50%						2%	21%			2%	89	
12	215		41%	59%	36%						15%	33%			26%	85	
13	240		100%		33%						33%	13%			68%	82	
14	240		59%	41%	33%						19%	33%			40%	82	
16	240		100%		33%						33%	33%			68%	83	
17	240			100%	33%						7%	26%			68%	86	
18	240		21%	79%	33%						33%	5%			53%	85	
19	240		100%		33%						33%	27%			68%	82	
20	240		84%	16%	33%						7%	33%			57%	82	
21	240			100%	33%						33%	33%			11%	86	
22	240			71%	33%						27%	23%			68%	86	
23	240	29%	20%	80%	33%			9%			7%	26%	20%		48%	78	
24	240	15%	10%	75%	33%			5%			3%	24%	10%		54%	85	
25	240		12%	88%	33%						4%	29%			7%	85	
26	240			100%	33%						11%	33%			8%	86	
25/26	240			100%	33%							33%			68%	86	
27	240		33%	67%	33%							33%			68%	86	
28	240			100%	33%						11%	22%			45%	85	
29	240		84%	16%	33%						27%	33%			68%	86	
30	240		58%	42%	33%						19%	5%			11%	82	
31	240		100%		33%						33%	14%			39%	84	
32	240		100%		33%						33%	33%			68%	82	
33	240	61%	39%		33%						13%	26%			26%	82	
34	240	100%			33%			20%			33%	41%			68%	68	
35	260	92%	8%		30%			28%			2%	64%			6%	59	

including roadway AND pond

TR55 RESULTS

PRE DEVELOPMENT CONDITIONS													PRE DEVELOPMENT CONDITIONS										PRE DEVELOPMENT				
SHEET FLOW					SHALLOW CONCENTRATED FLOW					CHANNEL FLOW																	
BASIN	SURFACE DESCRIPTION	PROPOSED AVG R/W WIDTH (FT)	LENGTH OF SUB-BASIN (FT)	TOTAL LENGTH (LONGEST PATH)	LENGTH	2-YR, 24-HR RAINFALL (FIG B-3)	ELEVATION DIFF OVER LENGTH	SLOPE	SURFACE DESCRIPTION	FLOW LENGTH	ELEVATION DIFF OVER LENGTH	SLOPE	CROSS-SECTIONAL FLOW AREA	WETTED PERIMETER	HYDRAULIC RADIUS	ELEVATION DIFF OVER LENGTH	CHANNEL SLOPE	MANNINGS n	FLOW LENGTH	VELOCITY (ft/s)	PRE TIME OF CONCENTRATION	PROPOSED DRAINAGE AREA (including ponds)	WEIGHTED PRE CN	25 YR PEAK OUTFLOW (CFS)	100 YR PEAK OUTFLOW (CFS)	25 YR RUNOFF (IN)	100 YR RUNOFF (IN)
1	CONCRETE/ASPHALT	110	1320	1000	200	5	2	0.010	PAVED	200	1	0.005				3	0.005		600	2.5*	0.14	4.0	78	35	47	6.1	8.3
2	DENSE GRASSES	115	875	700	100	5	1	0.010	UNPAVED	200	2	0.010	10	15.21	0.66	3	0.008	0.03	400	3.3	0.32	2.8	83	19	26	6.7	9
3	DENSE GRASSES	120	1900	1300	300	5	1	0.003	UNPAVED	200	0.5	0.003	10	15.21	0.66	8	0.010	0.03	800	3.8	1.1	6.3	80	21	28	6.4	8.6
4	DENSE GRASSES	160	3800	3800	300	5	3	0.010	UNPAVED	300	5	0.017	10	15.21	0.66	50	0.016	0.03	3200	4.7	0.83	16.7	82	69	92	6.6	8.8
5	DENSE GRASSES	160	2300	1200	300	5	2	0.007	UNPAVED	300	5	0.017	10	15.21	0.66	20	0.033	0.03	600	6.9	0.76	10.1	83	45	60	6.7	9
7	DENSE GRASSES	170	720	500	150	5	0.5	0.003	UNPAVED	150	0.5	0.003	10	15.21	0.66	0.5	0.003	0.03	200	1.9	0.64	3.4	63	10	15	4.3	6.2
8	DENSE GRASSES	170	925	700	200	5	1	0.005	UNPAVED	200	0.5	0.003	10	15.21	0.66	0.5	0.002	0.03	300	1.5	0.69	4.3	79	19	25	6.3	8.4
9	DENSE GRASSES	170	1500	1300	300	5	1	0.003	UNPAVED	300	3	0.010	10	15.21	0.66	12	0.017	0.03	700	4.9	1.07	7.0	82	25	33	6.6	8.8
10	DENSE GRASSES	170	1970	1600	300	5	1	0.003	UNPAVED	300	1	0.003	10	15.21	0.66	4	0.004	0.03	1000	2.4	1.19	9.2	80	29	40	6.4	8.6
11	DENSE GRASSES	165	1520	1100	300	5	2	0.007	UNPAVED	300	1	0.003	10	15.21	0.66	2	0.004	0.03	500	2.4	0.85	6.9	83	29	38	6.7	9
12	DENSE GRASSES	215	2750	2200	300	5	1	0.003	UNPAVED	300	1.5	0.005	10	15.21	0.66	5	0.003	0.03	1600	2.1	1.27	16.3	80	50	67	6.4	8.6
13	DENSE GRASSES	240	1920	1700	300	5	1	0.003	UNPAVED	300	1	0.003	10	15.21	0.66	4	0.004	0.03	1100	2.3	1.2	12.7	77	38	52	6	8.2
14	DENSE GRASSES	240	2000	1300	300	5	0.5	0.002	UNPAVED	300	0.5	0.002	10	15.21	0.66	1.5	0.002	0.03	700	1.7	1.38	13.2	78	37	50	6.1	8.3
16	DENSE GRASSES	240	750	750	200	5	0.5	0.003	UNPAVED	200	0.5	0.003	10	15.21	0.66	0.5	0.001	0.03	350	1.4	0.85	5.0	77	19	25	6	8.2
17	DENSE GRASSES	240	1100	1100	300	5	1	0.003	UNPAVED	300	0.5	0.002	10	15.21	0.66	0.5	0.001	0.03	500	1.2	1.21	7.3	82	24	32	6.6	8.8
18	DENSE GRASSES	240	1800	1800	300	5	1.5	0.005	UNPAVED	300	2	0.007	10	15.21	0.66	6	0.005	0.03	1200	2.7	0.99	11.9	81	43	58	6.5	8.7
19	DENSE GRASSES	240	825	500	200	5	0.5	0.003	UNPAVED	150	1.5	0.010	10	15.21	0.66	2.00	0.013	0.03	150	4.3	0.74	5.5	77	22	30	6	8.2
20	DENSE GRASSES	240	1030	800	200	5	1	0.005	UNPAVED	200	2	0.010	10	15.21	0.66	1.50	0.004	0.03	400	2.3	0.66	6.8	78	30	40	6.1	8.3
21	DENSE GRASSES	240	730	500	150	5	0.5	0.003	UNPAVED	150	2	0.013	10	15.21	0.66	2.00	0.010	0.03	200	3.8	0.6	4.8	82	24	32	6.6	8.8
22	DENSE GRASSES	240	2000	1700	300	5	1.5	0.005	UNPAVED	300	5	0.017	10	15.21	0.66	11.00	0.010	0.03	1100	3.8	0.92	13.2	70	40	56	5.2	7.2
23	DENSE GRASSES	240	1800	1800	300	5	2.5	0.008	UNPAVED	300	6	0.020	10	15.21	0.66	12.00	0.010	0.03	1200	3.8	0.79	11.9	81	50	67	6.5	8.7
22/23	DENSE GRASSES	240	3800	3500	300	5	2.5	0.008	UNPAVED	300	6	0.020	10	15.21	0.66	23.00	0.008	0.03	2900	3.3	0.94	25.1	75	84	115	5.8	7.9
24	DENSE GRASSES	240	1550	800	300	5	2	0.007	UNPAVED	300	4	0.013	10	15.21	0.66	1.50	0.008	0.03	200	3.3	0.76	10.2	82	44	59	6.6	8.8
25	DENSE GRASSES	240	550	550	150	5	0.5	0.003	UNPAVED	100	1	0.010	10	15.21	0.66	5.00	0.017	0.03	300	4.8	0.6	3.6	82	18	24	6.6	8.8
26	DENSE GRASSES	240	1940	1700	300	5	3	0.010	UNPAVED	300	9	0.030	10	15.21	0.66	28.00	0.025	0.03	1100	6.0	0.69	12.8	82	59	79	6.6	8.8
25/26	DENSE GRASSES	240	2490	1700	300	5	3	0.010	UNPAVED	300	9	0.030	10	15.21	0.66	28.00	0.025	0.03	1100	6.0	0.69	16.5	82	76	101	6.6	8.8
27	DENSE GRASSES	240	2650	2200	300	5	2	0.007	UNPAVED	300	7	0.023	10	15.21	0.66	22.00	0.014	0.03	1600	4.4	0.83	17.5	80	70	94	6.4	8.6
28	DENSE GRASSES	240	1415	1200	300	5	1	0.003	UNPAVED	300	4	0.013	10	15.21	0.66	7.00	0.012	0.03	600	4.1	1.06	9.4	82	34	45	6.6	8.8
29	DENSE GRASSES	240	3095	1500	300	5	1	0.003	UNPAVED	300	3	0.010	10	15.21	0.66	6.00	0.007	0.03	900	3.1	1.11	20.5	78	66	89	6.1	8.3
30	DENSE GRASSES	240	4370	2800	300	5	1	0.003	UNPAVED	300	5.5	0.018	10	15.21	0.66	53.00	0.024	0.03	2200	5.8	1.12	28.9	80	96	129	6.4	8.6
31	DENSE GRASSES	240	2800	1400	300	5	1	0.003	UNPAVED	300	1	0.003	10	15.21	0.66	0.50	0.001	0.03	800	0.9	1.26	18.5	77	54	73	6	8.2
32	DENSE GRASSES	240	1700	1300	300	5	2	0.007	UNPAVED	300	7	0.023	10	15.21	0.66	11.00	0.016	0.03	700	4.7	0.77	11.2	77	44	60	6	8.2
33	DENSE GRASSES	240	1000	800	250	5	1	0.004	UNPAVED	200	1	0.005	10	15.21	0.66	0.50	0.001	0.03	350	1.4	0.88	6.6	53	11	18	3.1	4.8
34	DENSE GRASSES	240	1200	900	300	5	1	0.003	UNPAVED	200	2	0.010	10	15.21	0.66	3.00	0.008	0.03	400	3.3	1.05	7.9	47	9	15	2.4	3.9
35	DENSE GRASSES	260	1600	1600	300	5	0.5	0.002	UNPAVED	300	0.5	0.002	10	15.21	0.66	5.00	0.005	0.03	1000	2.7	1.37	11.5	49	12	20	2.6	4.2

FLOWMASTER RESULTS
 * ASSUME 2.5 FT/S, DUE TO FLAT CONDITIONS

BASINS 2-10 ARE THE ONLY BASINS WHERE PRE DEV Tc IS DIFFERENT FROM POST DEV Tc

BASIN	POST DEVELOPMENT CONDITION												POST DEVELOPMENT CONDITION						POST DEVELOPMENT CONDITION								
	SHEET FLOW				SHALLOW CONCENTRATED FLOW				CHANNEL FLOW																		
	SURFACE DESCRIPTION	PROPOSED AVG RW WIDTH (FT)	LENGTH OF SUB-BASIN (FT)	TOTAL LENGTH (LONGEST PATH) IN FEET	LENGTH (FEET)	2-YR, 24-HR RAINFALL (FIG B-3) IN INCHES	ELEVATION DIFF OVER LENGTH IN FEET	SLOPE (FT/FT)	SURFACE DESCRIPTION	FLOW LENGTH (FEET)	ELEVATION DIFF OVER LENGTH IN FEET	SLOPE (FT/FT)	CROSS-SECTIONAL FLOW AREA (SQ. FT.)	WETTED PERIMETER (FEET)	HYDRAULIC RADIUS (FEET)	ELEVATION DIFF OVER LENGTH IN FEET	CHANNEL SLOPE (FT/FT)	MANNINGS n	FLOW LENGTH (FEET)	VELOCITY (FT/S)	POST TIME OF CONCENTRATION (HOURS)	PROPOSED DRAINAGE AREA (including ponds)	WEIGHTED POST CN	25 YR PEAK OUTFLOW (CFS)	100 YR PEAK OUTFLOW (CFS)	25 YR RUNOFF (IN)	100 YR RUNOFF (IN)
1	CONCRETE/ASPHALT	110	1320	1000	200	5	2	0.010	PAVED	200	1	0.005				3	0.005		600	2.5 *	0.14	4.0	81	37	50	6.5	8.7
2	CONCRETE/ASPHALT	115	875	700	100	5	1	0.010	PAVED	200	2	0.010				3	0.008		400	2.5 *	0.09	2.8	90	34	44	7.6	9.9
3	CONCRETE/ASPHALT	120	1900	1300	300	5	1	0.003	PAVED	200	0.5	0.003				8	0.010		800	2.5 *	0.22	6.3	89	57	74	7.5	9.7
4	DENSE GRASSES	160	3800	3800	300	5	3	0.010	UNPAVED	300	5	0.017				50	0.016		3200	2.5 *	1.00	16.7	89	70	91	7.5	9.7
5	DENSE GRASSES	160	2300	1200	300	5	2	0.007	UNPAVED	300	5	0.017				20	0.033		600	2.5 *	0.80	10.1	88	47	62	7.4	9.6
7	DENSE GRASSES	170	720	500	150	5	0.5	0.003	UNPAVED	150	0.5	0.003				0.5	0.003		200	2.5 *	0.63	3.4	74	14	19	5.6	7.8
8	DENSE GRASSES	170	925	700	200	5	1	0.005	UNPAVED	200	0.5	0.003				0.5	0.002		300	2.5 *	0.67	4.3	83	20	27	6.7	9
9	DENSE GRASSES	170	1500	1300	300	5	1	0.003	UNPAVED	300	3	0.010				12	0.017		700	2.5 *	1.11	7.0	88	27	35	7.4	9.6
10	DENSE GRASSES	170	1970	1600	300	5	1	0.003	UNPAVED	300	1	0.003				4	0.004		1000	2.5 *	1.18	9.2	87	33	44	7.2	9.5
11	DENSE GRASSES	165	1520	1100	300	5	2	0.007	UNPAVED	300	1	0.003	10	15.21	0.66	2	0.004	0.03	500	2.38	0.85	6.9	89	32	41	7.5	9.7
12	DENSE GRASSES	215	2750	2200	300	5	1	0.003	UNPAVED	300	1.5	0.005	10	15.21	0.66	5	0.003	0.03	1600	2.10	1.27	16.3	85	55	72	7	9.2
13	DENSE GRASSES	240	1920	1700	300	5	1	0.003	UNPAVED	300	1	0.003	10	15.21	0.66	4	0.004	0.03	1100	2.26	1.20	12.7	82	42	56	6.6	8.8
14	DENSE GRASSES	240	2000	1300	300	5	0.5	0.002	UNPAVED	300	0.5	0.002	10	15.21	0.66	1.5	0.002	0.03	700	1.74	1.38	13.2	83	40	54	6.7	9
16	DENSE GRASSES	240	750	750	200	5	0.5	0.003	UNPAVED	200	0.5	0.003	10	15.21	0.66	0.5	0.001	0.03	350	1.42	0.85	5.0	82	20	27	6.6	8.8
17	DENSE GRASSES	240	1100	1100	300	5	1	0.003	UNPAVED	300	0.5	0.002	10	15.21	0.66	0.5	0.001	0.03	500	1.19	1.21	7.3	86	26	34	7.1	9.4
18	DENSE GRASSES	240	1800	1800	300	5	1.5	0.005	UNPAVED	300	2	0.007	10	15.21	0.66	6	0.005	0.03	1200	2.66	0.99	11.9	85	47	62	7	9.2
19	DENSE GRASSES	240	825	500	200	5	0.5	0.003	UNPAVED	150	1.5	0.010	10	15.21	0.66	2.00	0.013	0.03	150	4.34	0.74	5.5	82	24	32	6.6	8.8
20	DENSE GRASSES	240	1030	800	200	5	1	0.005	UNPAVED	200	2	0.010	10	15.21	0.66	1.50	0.004	0.03	400	2.30	0.66	6.8	82	32	43	6.6	8.8
21	DENSE GRASSES	240	730	500	150	5	0.5	0.003	UNPAVED	150	2	0.013	10	15.21	0.66	2.00	0.010	0.03	200	3.76	0.60	4.8	86	26	34	7.1	9.4
22	DENSE GRASSES	240	2000	1700	300	5	1.5	0.005	UNPAVED	300	5	0.017	10	15.21	0.66	11.00	0.010	0.03	1100	3.76	0.92	13.2	78	48	64	6.1	8.3
23	DENSE GRASSES	240	1800	1800	300	5	2.5	0.008	UNPAVED	300	6	0.020	10	15.21	0.66	12.00	0.010	0.03	1200	3.76	0.79	11.9	85	53	71	7	9.2
22/23	DENSE GRASSES	240	3800	3500	300	5	2.5	0.008	UNPAVED	300	6	0.020	10	15.21	0.66	23.00	0.008	0.03	2900	3.34	0.94	25.1	81	95	127	6.5	8.7
24	DENSE GRASSES	240	1550	800	300	5	2	0.007	UNPAVED	300	4	0.013	10	15.21	0.66	1.50	0.008	0.03	200	3.25	0.76	10.2	85	47	62	7	9.2
25	DENSE GRASSES	240	550	550	150	5	0.5	0.003	UNPAVED	100	1	0.010	10	15.21	0.66	5.00	0.017	0.03	300	4.85	0.60	3.6	86	19	25	7.1	9.4
26	DENSE GRASSES	240	1940	1700	300	5	3	0.010	UNPAVED	300	9	0.030	10	15.21	0.66	28.00	0.025	0.03	1100	5.99	0.69	12.8	86	63	83	7.1	9.4
25/26	DENSE GRASSES	240	2490	1700	300	5	3	0.010	UNPAVED	300	9	0.030	10	15.21	0.66	28.00	0.025	0.03	1100	5.99	0.69	16.5	86	82	107	7.1	9.4
27	DENSE GRASSES	240	2650	2200	300	5	2	0.007	UNPAVED	300	7	0.023	10	15.21	0.66	22.00	0.014	0.03	1600	4.40	0.83	17.5	85	76	101	7	9.2
28	DENSE GRASSES	240	1415	1200	300	5	1	0.003	UNPAVED	300	4	0.013	10	15.21	0.66	7.00	0.012	0.03	600	4.06	1.06	9.4	86	36	47	7.1	9.4
29	DENSE GRASSES	240	3095	1500	300	5	1	0.003	UNPAVED	300	3	0.010	10	15.21	0.66	6.00	0.007	0.03	900	3.07	1.11	20.5	82	71	95	6.6	8.8
30	DENSE GRASSES	240	4370	2800	300	5	1	0.003	UNPAVED	300	5.5	0.018	10	15.21	0.66	53.00	0.024	0.03	2200	5.83	1.12	28.9	84	103	137	6.9	9.1
31	DENSE GRASSES	240	2800	1400	300	5	1	0.003	UNPAVED	300	1	0.003	10	15.21	0.66	0.50	0.001	0.03	800	0.94	1.26	18.5	82	59	79	6.6	8.8
32	DENSE GRASSES	240	1700	1300	300	5	2	0.007	UNPAVED	300	7	0.023	10	15.21	0.66	11.00	0.016	0.03	700	4.71	0.77	11.2	82	48	65	6.6	8.8
33	DENSE GRASSES	240	1000	800	250	5	1	0.004	UNPAVED	200	1	0.005	10	15.21	0.66	0.50	0.001	0.03	350	1.42	0.88	6.6	68	19	28	4.9	6.9
34	DENSE GRASSES	240	1200	900	300	5	1	0.003	UNPAVED	200	2	0.010	10	15.21	0.66	3.00	0.008	0.03	400	3.25	1.05	7.9	58	15	23	3.7	5.5
35	DENSE GRASSES	260	1600	1600	300	5	0.5	0.002	UNPAVED	300	0.5	0.002	10	15.21	0.66	5.00	0.005	0.03	1000	2.66	1.37	11.5	59	19	29	3.8	5.7

REQUIRED STORAGE VOLUMES

BASIN	100 YR POST-PRE ATTENUATION VOLUME								TREATMENT VOLUME						25 YR VOLUME						TOTAL REQ'D POND VOLUME (AC-FT)		
	PRE 100 YR RUNOFF (IN)	POST 100 YR RUNOFF (IN)	PRE 100 YR RUNOFF (FT)	POST 100 YR RUNOFF (FT)	PROPOSED DRAINAGE AREA (AC) (including ponds)	PRE 100 YR VOLUME OF RUNOFF (AC-FT)	POST 100 YR VOLUME OF RUNOFF (AC-FT)	100 YR POST-PRE ATTENUATION VOLUME (AC-FT)	BASIN TYPE	POND TYPE	RUNOFF REQUIRED FOR TREATMENT (IN)	% IMPERVIOUS DRAINAGE AREA	IMPERVIOUS DRAINAGE AREA (AC)	TREATMENT VOLUME (AC-FT)	PRE 25 YR PEAK OUTFLOW, Qo (CFS)	POST 25 YR PEAK OUTFLOW, Qi (CFS)	ACTUAL Qo/Qi RATIO	ADJUSTED Qo/Qi RATIO	ADJUSTED Qi (CFS)	PROPOSED DRAINAGE AREA (AC) (including ponds)		WEIGHTED POST CN	25 YR VOLUME (AC-FT)
1	8.3	8.7	0.69	0.73	4.0	2.77	2.90	0.13	CLOSED	WET	1	67%	2.69	0.22	35	37	0.9	0.8	43.8	4.0	81	0.4	0.76
2	9.0	9.9	0.75	0.83	2.8	2.08	2.29	0.21	CLOSED	WET	1	64%	1.78	0.15	19	34	0.6	0.6	34.0	2.8	90	0.5	0.86
3	8.6	9.7	0.72	0.81	6.3	4.50	5.08	0.58	CLOSED	WET	1	62%	3.87	0.32	21	57	0.4	0.4	57.0	6.3	89	1.3	2.20
4	8.8	9.7	0.73	0.81	16.7	12.28	13.54	1.26	CLOSED	WET	1	51%	8.58	0.72	69	70	1.0	0.8	86.3	16.7	89	1.8	3.77
5	9.0	9.6	0.75	0.80	10.1	7.60	8.11	0.51	CLOSED	WET	1	51%	5.20	0.43	45	47	1.0	0.8	56.3	10.1	88	1.1	2.04
7	6.2	7.8	0.52	0.65	3.4	1.74	2.19	0.45	CLOSED	WET	1	48%	1.63	0.14	10	14	0.7	0.7	14.0	3.4	74	0.3	0.89
8	8.4	9.0	0.70	0.75	4.3	3.03	3.25	0.22	CLOSED	WET	1	48%	2.09	0.17	19	20	1.0	0.8	23.8	4.3	83	0.4	0.79
9	8.8	9.6	0.73	0.80	7.0	5.15	5.62	0.47	CLOSED	WET	1	48%	3.39	0.28	25	27	0.9	0.8	31.3	7.0	88	0.8	1.55
10	8.6	9.5	0.72	0.79	9.2	6.61	7.30	0.69	CLOSED	WET	1	48%	4.45	0.37	29	33	0.9	0.8	36.3	9.2	87	1.0	2.06
11	9.0	9.7	0.75	0.81	6.9	5.18	5.58	0.40	CLOSED	WET	1	50%	3.43	0.29	29	32	0.9	0.8	36.3	6.9	89	0.8	1.49
12	8.6	9.2	0.72	0.77	16.3	11.67	12.49	0.81	CLOSED	WET	1	36%	5.91	0.49	50	55	0.9	0.8	62.5	16.3	85	1.7	3.01
13	8.2	8.8	0.68	0.73	12.7	8.67	9.31	0.63	CLOSED	WET	1	33%	4.13	0.34	38	42	0.9	0.8	47.5	12.7	82	1.2	2.18
14	8.3	9.0	0.69	0.75	13.2	9.15	9.92	0.77	CLOSED	WET	1	33%	4.30	0.36	37	40	0.9	0.8	46.3	13.2	83	1.3	2.43
16	8.2	8.8	0.68	0.73	5.0	3.39	3.64	0.25	CLOSED	WET	1	33%	1.61	0.13	19	20	1.0	0.8	23.8	5.0	82	0.5	0.88
17	8.8	9.4	0.73	0.78	7.3	5.33	5.70	0.36	CLOSED	WET	1	33%	2.36	0.20	24	26	0.9	0.8	30.0	7.3	86	0.8	1.36
18	8.7	9.2	0.73	0.77	11.9	8.63	9.12	0.50	CLOSED	WET	1	33%	3.87	0.32	43	47	0.9	0.8	53.8	11.9	85	1.2	2.02
19	8.2	8.8	0.68	0.73	5.5	3.73	4.00	0.27	CLOSED	WET	1	33%	1.77	0.15	22	24	0.9	0.8	27.5	5.5	82	0.5	0.92
20	8.3	8.8	0.69	0.73	6.8	4.71	4.99	0.28	CLOSED	WET	1	33%	2.21	0.18	30	32	0.9	0.8	37.5	6.8	82	0.7	1.17
21	8.8	9.4	0.73	0.78	4.8	3.54	3.78	0.24	CLOSED	WET	1	33%	1.57	0.13	24	26	0.9	0.8	30.0	4.8	86	0.5	0.87
22	7.2	8.3	0.60	0.69	13.2	7.93	9.15	1.21	CLOSED	WET	1	33%	4.30	0.36	40	48	0.8	0.8	50.0	13.2	78	1.2	2.77
23	8.7	9.2	0.73	0.77	11.9	8.63	9.12	0.50	CLOSED	WET	1	33%	3.87	0.32	50	53	0.9	0.8	62.5	11.9	85	1.2	2.02
22/23	7.9	8.7	0.66	0.73	25.1	16.54	18.21	1.67	CLOSED	WET	1	33%	8.17	0.68	84	95	0.9	0.8	105.0	25.1	81	2.4	4.76
24	8.8	9.2	0.73	0.77	10.2	7.52	7.86	0.34	CLOSED	WET	1	33%	3.33	0.28	44	47	0.9	0.8	55.0	10.2	85	1.0	1.62
25	8.8	9.4	0.73	0.78	3.6	2.67	2.85	0.18	CLOSED	WET	1	33%	1.18	0.10	18	19	0.9	0.8	22.5	3.6	86	0.4	0.68
26	8.8	9.4	0.73	0.78	12.8	9.41	10.05	0.64	CLOSED	WET	1	33%	4.17	0.35	59	63	0.9	0.8	73.8	12.8	86	1.3	2.29
25/26	8.8	9.4	0.73	0.78	16.5	12.07	12.90	0.82	CLOSED	WET	1	33%	5.35	0.45	76	82	0.9	0.8	95.0	16.5	86	1.7	2.97
27	8.6	9.2	0.72	0.77	17.5	12.56	13.43	0.88	CLOSED	WET	1	33%	5.69	0.47	70	76	0.9	0.8	87.5	17.5	85	1.8	3.15
28	8.8	9.4	0.73	0.78	9.4	6.86	7.33	0.47	CLOSED	WET	1	33%	3.04	0.25	34	36	0.9	0.8	42.5	9.4	86	1.0	1.72
29	8.3	8.8	0.69	0.73	20.5	14.15	15.01	0.85	CLOSED	WET	1	33%	6.65	0.55	66	71	0.9	0.8	82.5	20.5	82	2.0	3.41
30	8.6	9.1	0.72	0.76	28.9	20.71	21.91	1.20	CLOSED	WET	1	33%	9.39	0.78	96	103	0.9	0.8	120.0	28.9	84	2.9	4.89
31	8.2	8.8	0.68	0.73	18.5	12.65	13.58	0.93	CLOSED	WET	1	33%	6.02	0.50	54	59	0.9	0.8	67.5	18.5	82	1.8	3.23
32	8.2	8.8	0.68	0.73	11.2	7.68	8.24	0.56	CLOSED	WET	1	33%	3.65	0.30	44	48	0.9	0.8	55.0	11.2	82	1.1	1.97
33	4.8	6.9	0.40	0.58	6.6	2.64	3.80	1.16	CLOSED	WET	1	33%	2.15	0.18	11	19	0.6	0.6	19.0	6.6	68	0.7	2.04
34	3.9	5.5	0.33	0.46	7.9	2.58	3.64	1.06	CLOSED	WET	1	33%	2.58	0.21	9	15	0.6	0.6	15.0	7.9	58	0.6	1.87
35	4.2	5.7	0.35	0.48	11.5	4.01	5.44	1.43	CLOSED	WET	1	30%	3.44	0.29	12	19	0.6	0.6	19.0	11.5	59	0.8	2.52

REQUIRED POND AREAS

SUB-BASIN	ALTERNATIVE SMF ID#	EST. EXISTING GROUND ELEV OF ALT SMF (FT)	SCS DEPTH TO SHWT (FT)	APPROX. ROADWAY ELEVATION (FT)	FIELD DEPTH TO SHWT (FT)	EST. SHWT ELEVATION AT POND SITE (FT)	CHOSEN SMF DEPTH (FT)	REQ'D POND VOLUME (AC-FT)	INITIAL REQ'D POND AREA				ADD SIDE SLOPES				ADD BERM WIDTHS			TOTAL REQ'D POND AREA (including +10%) (AC)	ACTUAL ALT SMF AREAS (AC)
									INITIAL REQ'D POND AREA (AC)	INITIAL REQ'D POND AREA (SQ FT)	POND WIDTH (FT)	POND LENGTH (FT)	ASSUMED SIDE SLOPE	POND WIDTH (W/ SIDE SLOPES) (FT)	POND LENGTH (W/ SIDE SLOPES) (FT)	WATER SURFACE AREA @ PEAK DESIGN STAGE (AC)	BERM WIDTH (FT)	POND WIDTH (W/ SIDE SLOPES AND BERMS) (FT)	POND LENGTH (W/ SIDE SLOPES AND BERMS) (FT)		
1	1a	88-90	0.8 - 6	92	1	87	3	0.76	0.25	11000	74.2	148.3	6.0	92.2	166.3	0.35	20	132.2	206.3	0.69	0.69
	1b	87-88	0.8 - 6	92	1.5	85.5	3	0.76	0.25	11000	74.2	148.3	6.0	92.2	166.3	0.35	20	132.2	206.3	0.69	0.72
	1c	86-88	0.8 - 6	92	2	84	3	0.76	0.25	11000	74.2	148.3	6.0	92.2	166.3	0.35	20	132.2	206.3	0.69	0.65
2	2a	93-96	0.8 - 1.7	98	2	93	3	0.86	0.29	12437	78.9	157.7	6.0	96.9	175.7	0.39	20	136.9	215.7	0.75	0.56
	2b	93-95	0.8 - 1.7	98	1.5	92.5	3	0.86	0.29	12437	78.9	157.7	6.0	96.9	175.7	0.39	20	136.9	215.7	0.75	0.55
	2c	87-96	0.8 - 1.7	98	1	89	3	0.86	0.29	12437	78.9	157.7	6.0	96.9	175.7	0.39	20	136.9	215.7	0.75	0.56
3	3a	108-111	1.7	110	0.5	107	2	2.20	1.10	47884	154.7	309.5	6.0	166.7	321.5	1.23	20	206.7	361.5	1.89	1.30
	3b	104-107	1.7	110	2	103	2	2.20	1.10	47884	154.7	309.5	6.0	166.7	321.5	1.23	20	206.7	361.5	1.89	1.64
	3c	102-106	1.7	110	0	102	2	2.20	1.10	47884	154.7	309.5	6.0	166.7	321.5	1.23	20	206.7	361.5	1.89	1.84
4	4a	113-119	1.7 - 4.6	121	0	114	3	3.77	1.26	54763	165.5	330.9	6.0	183.5	348.9	1.47	20	223.5	388.9	2.19	3.22
	4b	115-120	1.7 - 4.6	120	2	113	3	3.77	1.26	54763	165.5	330.9	6.0	183.5	348.9	1.47	20	223.5	388.9	2.19	3.32
5	5a	138-145	0.8 - 4.6	140	0	135	3	2.04	0.68	29619	121.7	243.4	6.0	139.7	261.4	0.84	20	179.7	301.4	1.37	1.66
	5b	138-149	0.8 - 4.6	150	0	138	3	2.04	0.68	29619	121.7	243.4	6.0	139.7	261.4	0.84	20	179.7	301.4	1.37	1.31
	5c	138-145	0.8 - 4.6	150	0	138	3	2.04	0.68	29619	121.7	243.4	6.0	139.7	261.4	0.84	20	179.7	301.4	1.37	1.36
7	7a	132-139	0.8 - 4.7	140	2	133	3	0.89	0.30	12852	80.2	160.3	6.0	98.2	178.3	0.40	20	138.2	218.3	0.76	0.75
	7b	137-142	0.8 - 4.7	140	2.5	136	3	0.89	0.30	12852	80.2	160.3	6.0	98.2	178.3	0.40	20	138.2	218.3	0.76	0.59
	7c	135-142	0.8 - 4.7	140	2	136	3	0.89	0.30	12852	80.2	160.3	6.0	98.2	178.3	0.40	20	138.2	218.3	0.76	1.05
8	8a	128-132	0.8 - 4.7	140	0	130	3	0.79	0.26	11481	75.8	151.5	6.0	93.8	169.5	0.36	20	133.8	209.5	0.71	0.79
	8b	133-138	0.8 - 4.7	140	0.5	133	3	0.79	0.26	11481	75.8	151.5	6.0	93.8	169.5	0.36	20	133.8	209.5	0.71	0.76
	8c	135-141	0.8 - 4.7	140	0.5	134	3	0.79	0.26	11481	75.8	151.5	6.0	93.8	169.5	0.36	20	133.8	209.5	0.71	0.77
9	9a	110-124	0.8 - 4.7	123	0	118	3	1.55	0.52	22516	106.1	212.2	6.0	124.1	230.2	0.66	20	164.1	270.2	1.12	1.35
	9b	117-121	0.8 - 4.7	119	1.5	115	3	1.55	0.52	22516	106.1	212.2	6.0	124.1	230.2	0.66	20	164.1	270.2	1.12	1.31
	9c	113-123	0.8 - 4.7	123	0	118	3	1.55	0.52	22516	106.1	212.2	6.0	124.1	230.2	0.66	20	164.1	270.2	1.12	1.31
10	10a	107-113	0.8	110	0	107	2	2.06	1.03	44928	149.9	299.8	6.0	161.9	311.8	1.16	20	201.9	351.8	1.79	1.94
	10b	103-113	0.8	110	0	103	3	2.06	0.69	29952	122.4	244.8	6.0	140.4	262.8	0.85	20	180.4	302.8	1.38	1.89
	10c	103-107	0.8	110	2.5	102.5	3	2.06	0.69	29952	122.4	244.8	6.0	140.4	262.8	0.85	20	180.4	302.8	1.38	1.48
11	11a	90-102	0.8 - 1.6	101	2	96	2	1.49	0.74	32434	127.3	254.7	6.0	139.3	266.7	0.85	20	179.3	306.7	1.39	1.37
	11b	89-104	0.8 - 1.6	101	2	90	2	1.49	0.74	32434	127.3	254.7	6.0	139.3	266.7	0.85	20	179.3	306.7	1.39	1.33
12	12a	90-94	4.6	93	3	89	2	3.01	1.50	65489	181.0	361.9	6.0	193.0	373.9	1.66	20	233.0	413.9	2.43	4.37
	12b	91-94	4.6	93	0.5	90	2	3.01	1.50	65489	181.0	361.9	6.0	193.0	373.9	1.66	20	233.0	413.9	2.43	4.43
	12c	91-95	4.6	93	1.5	90	2	3.01	1.50	65489	181.0	361.9	6.0	193.0	373.9	1.66	20	233.0	413.9	2.43	4.43
13	13a	83-85	1.7	84	*	81	2	2.18	1.09	47448	154.0	308.1	6.0	166.0	320.1	1.22	20	206.0	360.1	1.87	2.94
	13b	80-86	1.7	84	2	79	3	2.18	0.73	31632	125.8	251.5	6.0	143.8	269.5	0.89	20	183.8	309.5	1.44	2.15
	13c	76-82	1.7	84	2.5	77	3	2.18	0.73	31632	125.8	251.5	6.0	143.8	269.5	0.89	20	183.8	309.5	1.44	2.50
14	14a	76-78	1.7	80	1	76	2	2.43	1.21	52914	162.7	325.3	6.0	174.7	337.3	1.35	20	214.7	377.3	2.05	4.01
	14b	79-80	1.7	80	*	76	2	2.43	1.21	52914	162.7	325.3	6.0	174.7	337.3	1.35	20	214.7	377.3	2.05	0.68
	14c	73-76	1.7	80	0	75	2	2.43	1.21	52914	162.7	325.3	6.0	174.7	337.3	1.35	20	214.7	377.3	2.05	3.20
16	16a	76-77	1.7	80	0.5	75.5	2	0.88	0.44	19215	98.0	196.0	6.0	110.0	208.0	0.53	20	150.0	248.0	0.94	1.47
	16b	76-77	1.7	80	2	75	2	0.88	0.44	19215	98.0	196.0	6.0	110.0	208.0	0.53	20	150.0	248.0	0.94	1.47
	16c	74-80	1.7	80	1	74	2	0.88	0.44	19215	98.0	196.0	6.0	110.0	208.0	0.53	20	150.0	248.0	0.94	0.71
17	17a	77-78	1.7	81	0	77	2	1.36	0.68	29634	121.7	243.5	6.0	133.7	255.5	0.78	20	173.7	295.5	1.30	2.05
	17b	77-78	1.7	81	2	75	2	1.36	0.68	29634	121.7	243.5	6.0	133.7	255.5	0.78	20	173.7	295.5	1.30	1.96
18	18a	80-82	0.8	83	3	77	2	2.02	1.01	43956	148.2	296.5	6.0	160.2	308.5	1.13	20	200.2	348.5	1.76	2.31
	18b	80-82	0.8	83	2.5	77.5	2	2.02	1.01	43956	148.2	296.5	6.0	160.2	308.5	1.13	20	200.2	348.5	1.76	2.22
	18c	80-84	0.8	83	2.5	77.5	2	2.02	1.01	43956	148.2	296.5	6.0	160.2	308.5	1.13	20	200.2	348.5	1.76	2.53
	18d	78-81	0.8	83	2	78	2	2.02	1.01	43956	148.2	296.5	6.0	160.2	308.5	1.13	20	200.2	348.5	1.76	2.97
19	19a	85-90	0.8 - 1.7	88	0	83	3	0.92	0.31	13365	81.7	163.5	6.0	99.7	181.5	0.42	20	139.7	221.5	0.78	0.97
	19b	80-85	0.8 - 1.7	88	0	82	3	0.92	0.31	13365	81.7	163.5	6.0	99.7	181.5	0.42	20	139.7	221.5	0.78	1.05
20	20a	77-80	1.7	85	1	76	2	1.17	0.58	25443	112.8	225.6	6.0	124.8	237.6	0.68	20	164.8	277.6	1.16	1.39
	20b	76-79	1.7	85	0	77	2	1.17	0.58	25443	112.8	225.6	6.0	124.8	237.6	0.68	20	164.8	277.6	1.16	1.44

REQUIRED POND AREAS

SUB-BASIN	ALTERNATIVE SMF ID#	EST. EXISTING GROUND ELEV OF ALT SMF (FT)	SCS DEPTH TO SHWT (FT)	APPROX. ROADWAY ELEVATION (FT)	FIELD DEPTH TO SHWT (FT)	EST. SHWT ELEVATION AT POND SITE (FT)	CHOSEN SMF DEPTH (FT)	REQ'D POND VOLUME (AC-FT)	INITIAL REQ'D POND AREA			ADD SIDE SLOPES				ADD BERM WIDTHS			TOTAL REQ'D POND AREA (including +10%) (AC)	ACTUAL ALT SMF AREAS (AC)	
									INITIAL REQ'D POND AREA (AC)	INITIAL REQ'D POND AREA (SQ FT)	POND WIDTH (FT)	POND LENGTH (FT)	ASSUMED SIDE SLOPE	POND WIDTH (W/ SIDE SLOPES) (FT)	POND LENGTH (W/ SIDE SLOPES) (FT)	WATER SURFACE AREA @ PEAK DESIGN STAGE (AC)	BERM WIDTH (FT)	POND WIDTH (W/ SIDE SLOPES AND BERMS) (FT)			POND LENGTH (W/ SIDE SLOPES AND BERMS) (FT)
21	21a	79-82	0.8	84	0	80	2	0.87	0.44	18993	97.4	194.9	6.0	109.4	206.9	0.52	20	149.4	246.9	0.93	1.01
	21b	78 - 79	0.8	84	0.5	78	2	0.87	0.44	18993	97.4	194.9	6.0	109.4	206.9	0.52	20	149.4	246.9	0.93	1.14
	21c	80-87	0.8	84	2	80	2	0.87	0.44	18993	97.4	194.9	6.0	109.4	206.9	0.52	20	149.4	246.9	0.93	2.70
22	22a	77-86	0.8	84	1	79	3	2.77	0.92	40224	141.8	283.6	6.0	159.8	301.6	1.11	20	199.8	341.6	1.72	2.12
	22b	80-85	0.8	84	0	80	3	2.77	0.92	40224	141.8	283.6	6.0	159.8	301.6	1.11	20	199.8	341.6	1.72	2.18
	22c	82-87	0.8	84	1	81	2	2.77	1.39	60336	173.7	347.4	6.0	185.7	359.4	1.53	20	225.7	399.4	2.28	2.44
23	23a	92-98	0.8	100	0.5	94	3	2.02	0.67	29304	121.0	242.1	6.0	139.0	260.1	0.83	20	179.0	300.1	1.36	1.84
	23b	89-92	0.8	100	1	89	3	2.02	0.67	29304	121.0	242.1	6.0	139.0	260.1	0.83	20	179.0	300.1	1.36	1.78
22/23	22-23d	82-92	0.8	84	1	81	2	4.76	2.38	103572	227.6	455.1	6.0	239.6	467.1	2.57	20	279.6	507.1	3.58	4.73
24	24a	96-115	0.8 - 1.7	114		100	3	1.62	0.54	23510	108.4	216.8	6.0	126.4	234.8	0.68	20	166.4	274.8	1.16	2.41
	24b	95-115	0.8 - 1.7	114	0	100	3	1.62	0.54	23510	108.4	216.8	6.0	126.4	234.8	0.68	20	166.4	274.8	1.16	2.42
	24c	88-94	0.8 - 1.7	114		90	3	1.62	0.54	23510	108.4	216.8	6.0	126.4	234.8	0.68	20	166.4	274.8	1.16	1.92
25	25a	100-118	1.7 - 4.6	117	0	100	3	0.68	0.23	9878	70.3	140.6	6.0	88.3	158.6	0.32	20	128.3	198.6	0.64	0.84
	25b	110-125	1.7 - 4.6	117	0	110	3	0.68	0.23	9878	70.3	140.6	6.0	88.3	158.6	0.32	20	128.3	198.6	0.64	0.93
26	26a	98-110	4.6	114	1	98	3	2.29	0.76	33232	128.9	257.8	6.0	146.9	275.8	0.93	20	186.9	315.8	1.49	1.85
	26b	110-125	4.6	114	0	110	3	2.29	0.76	33232	128.9	257.8	6.0	146.9	275.8	0.93	20	186.9	315.8	1.49	1.95
25/26	25-26d	80-87	4.6	114	0	80	3	2.97	0.99	43110	146.8	293.6	6.0	164.8	311.6	1.18	20	204.8	351.6	1.82	2.98
27	27a	115 - 117	1.5 - 4.6	122	0.5	115	2	3.15	1.58	68619	185.2	370.5	6.0	197.2	382.5	1.73	20	237.2	422.5	2.53	3.12
	27b	120 - 128	1.5 - 4.6	122	1	119	2	3.15	1.58	68619	185.2	370.5	6.0	197.2	382.5	1.73	20	237.2	422.5	2.53	3.17
	27c	113-118	1.5 - 4.6	122		113	2	3.15	1.58	68619	185.2	370.5	6.0	197.2	382.5	1.73	20	237.2	422.5	2.53	2.64
28	28a	119-126	4.6	121	0.5	118	2	1.72	0.86	37487	136.9	273.8	6.0	148.9	285.8	0.98	20	188.9	325.8	1.55	1.83
	28b	110-114	4.6	121	0.5	110	2	1.72	0.86	37487	136.9	273.8	6.0	148.9	285.8	0.98	20	188.9	325.8	1.55	1.65
	28c	114-117	4.6	121	0.5	114	2	1.72	0.86	37487	136.9	273.8	6.0	148.9	285.8	0.98	20	188.9	325.8	1.55	1.74
29	29a	112-118	1.7	122	0.5	113	3	3.41	1.14	49467	157.3	314.5	6.0	175.3	332.5	1.34	20	215.3	372.5	2.03	2.85
	29b	100-115	1.7	122	1	105	3	3.41	1.14	49467	157.3	314.5	6.0	175.3	332.5	1.34	20	215.3	372.5	2.03	2.63
	29c	124-130	1.7	122	0.5 (Not hydraulically feasible)		3	3.41	1.14	49467	157.3	314.5	6.0	175.3	332.5	1.34	20	215.3	372.5	2.03	3.63
30	30a	71-75	1.7	74	0.5	70	3	4.89	1.63	70950	188.3	376.7	6.0	206.3	394.7	1.87	20	246.3	434.7	2.70	3.89
	30b	72-85	1.7	74	1	70	3	4.89	1.63	70950	188.3	376.7	6.0	206.3	394.7	1.87	20	246.3	434.7	2.70	3.78
31	31a	70-75	1.7	77	2.5	70	3	3.23	1.08	46856	153.1	306.1	6.0	171.1	324.1	1.27	20	211.1	364.1	1.94	2.56
	31b	70-82	1.7	77	2	70	3	3.23	1.08	46856	153.1	306.1	6.0	171.1	324.1	1.27	20	211.1	364.1	1.94	2.49
	31c	60-72	1.7	78	3	67	3	3.23	1.08	46856	153.1	306.1	6.0	171.1	324.1	1.27	20	211.1	364.1	1.94	2.45
32	32a	62-73	1.7	70	0.5	65	3	1.97	0.66	28552	119.5	239.0	6.0	137.5	257.0	0.81	20	177.5	297.0	1.33	2.07
	32b	63-71	1.7	70	2	65	3	1.97	0.66	28552	119.5	239.0	6.0	137.5	257.0	0.81	20	177.5	297.0	1.33	2.09
	32c	67-72	1.7	70	2.5	65	3	1.97	0.66	28552	119.5	239.0	6.0	137.5	257.0	0.81	20	177.5	297.0	1.33	2.24
33	33a	60-70	1.7	70	1	62	3	2.04	0.68	29564	121.6	243.2	6.0	139.6	261.2	0.84	20	179.6	301.2	1.37	1.74
	33b	65-70	1.7	70	2.5	64	3	2.04	0.68	29564	121.6	243.2	6.0	139.6	261.2	0.84	20	179.6	301.2	1.37	1.75
	33c	67-75	1.7	70	6	64	3	2.04	0.68	29564	121.6	243.2	6.0	139.6	261.2	0.84	20	179.6	301.2	1.37	1.45
34	34a	59-67	6	65	0	55	3	1.87	0.62	27192	116.6	233.2	6.0	134.6	251.2	0.78	20	174.6	291.2	1.28	1.52
	34b	60-69	1.7 - 6	70		65	3	1.87	0.62	27192	116.6	233.2	6.0	134.6	251.2	0.78	20	174.6	291.2	1.28	1.36
	34c	55-66	6	65	2	58	3	1.87	0.62	27192	116.6	233.2	6.0	134.6	251.2	0.78	20	174.6	291.2	1.28	1.71
35	35a	55-56	6	58		53	3	2.52	0.84	36576	135.2	270.5	6.0	153.2	288.5	1.01	20	193.2	328.5	1.60	1.33
	35b	56-60	6	58		53	3	2.52	0.84	36576	135.2	270.5	6.0	153.2	288.5	1.01	20	193.2	328.5	1.60	1.86
	35c	53-56	6	58	3	51	3	2.52	0.84	36576	135.2	270.5	6.0	153.2	288.5	1.01	20	193.2	328.5	1.60	1.30

**APPENDIX G
RIGHT-OF-WAY COST ESTIMATE SHEETS**

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #1A	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels)	1	x	6,500 =	Rate) 6,500
2. Indirect Overhead	(Parcels)	1	x	0 =	Rate) 0
3.					
TOTAL PHASE 41					\$6,500

R/W OPS (PHASE 4B)				Amount		
4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	12,000
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers	75%	1	Parcels	x	500 =	500
7. Expert Witness	75%	1	Parcels	x	30,000 =	30,000
8. Mediators	50%	1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts		1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review		1	Parcels	x	5,000 =	5,000
12.						
TOTAL PHASE 4B					\$64,900	

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.	89,808	x	130% (0 Parcels w/o R/W Acq)	=	116,750
15. SUBTOTAL			(Lines 13 & 14)		116,750
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	15,800
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	49,000
18. Business Damages (Claims)	0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	64,800	x	40%)	=	25,900
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	=	18,000
24. Other Condemn. Costs	1	x	\$500	=	500
25. SUBTOTAL			(Lines 16 thru 24)	=	119,200
26.					
TOTAL PHASE 43					\$238,000

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee	1	x	\$20,000	=	20,000
TOTAL PHASE 42					\$20,000

RELOCATION COSTS (PHASE 45)				Number	Amount
Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)				=	0
34. Relocation Services Cost			\$0	(Not in Phase Total)	
35.					
36.					
37.					
TOTAL PHASE 45					\$0

TOTAL ESTIMATE					\$327,400
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Appraisal: Mitch Hammer	Signed: <u>Mitch Hammer</u>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <u>Mark Sawyer</u>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
Pond Site 1A

G-1

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
_____ Type A - indicates the most confidence	Year One	1.1000
_____ Type B - indicates above average confidence	Year Two	1.2100
X _____ Type C - indicates below average confidence	Year Three	1.3310
_____ Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming I: _____ Special Purpose: _____ X _____ Docs to RW: _____
Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #1B	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	1	x 6,500 = Rate) Amount 6,500
2. Indirect Overhead	(Parcels)	1	x 0 = Rate) Amount 0
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trail		1	Parcels x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		1	Parcels x 500 = 500
7. Expert Witness	75%	1	Parcels x 30,000 = 30,000
8. Mediators	50%	1	Parcels x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		181,749	x 130% (0 Parcels w/o R/W Acq) = 236,274
15. SUBTOTAL			(Lines 13 & 14) 236,274
16. Admin. Settlements (Factor)	45%		x 30% of Line 15) = 31,900
17. Litigation Awards (Factor)	60%		x 70% of Line 15) = 99,200
18. Business Damages (Claims)	0		x \$0) = 0
19. Bus. Damages Incrs. (Factor)	25%		x \$) = 0
20. Owner Appr. Fees (Parcels)	1		x \$10,000) = 10,000
21. Owner CPA Fees (Claims)	0		x \$10,000) = 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	131,100		x 40%) = 52,400
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 1) x 18,000 = 18,000
24. Other Condemn. Costs	1		x \$500 = 500
25. SUBTOTAL			(Lines 16 thru 24) 212,000
26.			
TOTAL PHASE 43			\$448,300

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Data - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		1	x \$20,000
TOTAL PHASE 42			\$20,000
RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	0 = 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
30. Residential	\$1,500	x	0 = 0
31. Business/Farm	\$20,000	x	0 = 0
32. Personal Property	\$2,000	x	0 = 0
33. (Lines 28 thru 32)			
34. Relocation Services Cost			\$0 (Not in Phase Total)
35.			
36.			
37.			
TOTAL PHASE 45			\$0

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 7-30-02
Bus. Dam.: N/A	Signed: <i>[Signature]</i>	Date: 7-30-02
Relocation: N/A	Signed: <i>[Signature]</i>	Date: 7-30-02
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 8-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
Pond Site 1B

G-2

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: X Does to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #1C	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
Total Parcels	1	1	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)		0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	Amount	12,000
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =		0
6. Court Reporter & Process Servers	75%	1	Parcels	x	500 =		500
7. Expert Witness	75%	1	Parcels	x	30,000 =		30,000
8. Mediators	50%	1	Parcels	x	2,400 =		2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000 =		0
10. Miscellaneous Contracts		1	Per Project	x	15,000 =		15,000
11. Appraisal Fee Review		1	Parcels	x	5,000 =		5,000
12.							
TOTAL PHASE 4B							\$64,900

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0	Amount		Subtotal
14. Water Retention & Mit.	206,387	x	130% (0 Parcels w/o R/W Acq)	=	268,303			
15. SUBTOTAL			(Lines 13 & 14)					268,303
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	36,200			
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	112,700			
18. Business Damages (Claims)	0	x	\$0)	=	0			
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0			
20. Ovwner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000			
21. Ovwner CPA Fees (Claims)	0	x	\$10,000)	=	0			
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	148,900	x	40%)	=	59,600			
23. Ovwner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	=	18,000			
24. Other Condemn. Costs	1	x	\$500	=	500			
25. SUBTOTAL			(Lines 16 thru 24)	=				237,000
26.								
TOTAL PHASE 43							\$505,300	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000				
TOTAL PHASE 42							\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount				
28. Owner	\$20,000	0	0				
29. Tenant	\$10,000	0	0				
Move Costs							
30. Residential	\$1,500	0	0				
31. Business/Farm	\$20,000	0	0				
32. Personal Property	\$2,000	0	0				
33. (Lines 28 thru 32)							
34. Relocation Services Cost		\$0	(Not in Phase Total)				
TOTAL PHASE 45							\$0

35.
36.
37.

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: <i>[Signature]</i>	Date: 9-30-02
Relocation: N/A	Signed: <i>[Signature]</i>	Date: 9-30-02
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond Site 1C

G-3

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
_____ Type A - indicates the most confidence	Year One 10%
_____ Type B - indicates above average confidence	Year Two 1.1000
X _____ Type C - indicates below average confidence	Year Three 1.2100
_____ Type D - indicates the least or no confidence	Year Four 1.3310
	Year Five 1.4641
	Year Six 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #2A	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	0	Signs _____ 0
			Special _____ 0
Total Parcels	1	0	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	Amount	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	Amount	0
8. Mediators	75%	0	Parcels	x	2,400	=	Amount	0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels	x	15,000	=	Amount	0
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	Amount	15,000
11. Appraisal Fee Review		0	Parcels	x	5,000	=	Amount	0
12.								

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	Amount	Subtotal	0
14. Water Retention & Mit.		63,028	x	130% (0 Parcels w/o R/W Acq)	=	Amount	Subtotal	81,936
15. SUBTOTAL								81,936
16. Admin. Settlements	(Factor)	45%	x	30% of Line 15)	=	Amount	Subtotal	11,100
17. Litigation Awards	(Factor)	60%	x	70% of Line 15)	=	Amount	Subtotal	34,400
18. Business Damages	(Claims)	0	x	\$0)	=	Amount	Subtotal	0
19. Bus. Damages Incrs.	(Factor)	25%	x	\$)	=	Amount	Subtotal	0
20. Owner Appr. Fees	(Parcels)	0	x	\$10,000)	=	Amount	Subtotal	0
21. Owner CPA Fees	(Claims)	0	x	\$10,000)	=	Amount	Subtotal	0
22. Defend. Atty Fees	(Sum of Lines 18, 17 & 19)	45,500	x	40%	=	Amount	Subtotal	18,200
23. Owner Expert Witness	(Comm. + Unimp.)	0	+	0) x 18,000	=	Amount	Subtotal	0
24. Other Condemn. Costs		0	x	\$500	=	Amount	Subtotal	0
25. SUBTOTAL								63,700

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000					
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RELOCATION COSTS (PHASE 45)

Replacement Housing								
28. Owner		\$20,000	x	0	=	Amount		0
29. Tenant		\$10,000	x	0	=	Amount		0
Move Costs								
30. Residential		\$1,500	x	0	=	Amount		0
31. Business/Farm		\$20,000	x	0	=	Amount		0
32. Personal Property		\$2,000	x	0	=	Amount		0
33. (Lines 28 thru 32)								\$0
34. Relocation Services Cost				\$0		(Not in Phase Total)		\$0

(All Phases) **TOTAL ESTIMATE** \$180,600

Appraisal: Mitch Hammer	Signed: _____	Date: 7-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: _____	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: Pond site 2A

G-4

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming I: _____ Special Purpose: _____ X Does to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #2B	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount		
1. Direct Labor Cost	(Parcels)	0	x	6,500 =	Rate)	0
2. Indirect Overhead	(Parcels)	0	x	0 =	Rate)	0
3.						
TOTAL PHASE 41						\$0

R/W OPS (PHASE 4B)				Amount		
4. Appraisal Fees Through Trial		0	Parcels	x	12,000 =	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers	75%	0	Parcels	x	500 =	0
7. Expert Witness	75%	0	Parcels	x	30,000 =	0
8. Mediators	50%	0	Parcels	x	2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts		1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review		0	Parcels	x	5,000 =	0
12.						
TOTAL PHASE 4B						\$15,000

R/W LAND COSTS (PHASE 43)				Amount	Subtotal	
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		125,735	x	130% (0 Parcels w/o R/W Acq)	=	163,456
15. SUBTOTAL				(Lines 13 & 14)		163,456
16. Admin. Settlements (Factor)	45%		x	30% of Line 15)	=	22,100
17. Litigation Awards (Factor)	60%		x	70% of Line 15)	=	68,700
18. Business Damages (Claims)		0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor)	25%		x	\$)	=	0
20. Owner Appr. Fees (Parcels)		0	x	\$10,000)	=	0
21. Owner CPA Fees (Claims)		0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)		90,800	x	40%)	=	36,300
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0) x 18,000	=	0
24. Other Condemn. Costs		0	x	\$500	=	0
25. SUBTOTAL				(Lines 16 thru 24)	=	127,100
26.						
TOTAL PHASE 43						\$290,600

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Data - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount		
27. Acquisition Consultant Fee		0	x	\$20,000	=	0
TOTAL PHASE 42						\$0

RELOCATION COSTS (PHASE 45)				Amount		
Replacement Housing						
28. Owner		\$20,000	x	0 =	0	
29. Tenant		\$10,000	x	0 =	0	
Move Costs						
30. Residential		\$1,500	x	0 =	0	
31. Business/Farm		\$20,000	x	0 =	0	
32. Personal Property		\$2,000	x	0 =	\$0	
33. (Lines 28 thru 32)						
34. Relocation Services Cost				\$0	(Not in Phase Total)	
35.						
36.						
37.						
TOTAL PHASE 45						\$0

TOTAL ESTIMATE						\$305,600
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Appraisal: Mitch Hammer	Signed: <u>[Signature]</u>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <u>[Signature]</u>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 2B
 G-5

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #2C	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)						
1. Direct Labor Cost	(Parcels	1	x 6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x 0 =	Rate)		0
3.						
TOTAL PHASE 41						\$6,500

R/W OPS (PHASE 4B)							
4. Appraisal Fees Through Trail			1	Parcels	x	12,000 =	12,000
5. Business Damage CPA Fees Through Trail			0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers			1	Parcels	x	500 =	500
7. Expert Witness	75%	x	1	Parcels	x	30,000 =	30,000
8. Mediators	75%	x	1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x	1	Parcels	x	15,000 =	15,000
10. Miscellaneous Contracts			0	Imprumet	x	15,000 =	0
11. Appraisal Fee Review			1	Per Project	x	5,000 =	5,000
12.							
TOTAL PHASE 4B						\$64,900	

R/W LAND COSTS (PHASE 43)						
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		47,820	x	130% (0 Parcels w/o R/W Acq)	=	62,166
15. SUBTOTAL				(Lines 13 & 14)		62,166
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	8,400	
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	26,100	
18. Business Damages (Claims	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	34,500	x	40%)	=	18,800	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0	
24. Other Condemn. Costs	1	x	\$500	=	500	
25. SUBTOTAL				(Lines 16 thru 24)		58,800
26.						
TOTAL PHASE 43						\$121,000

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)						
27. Acquisition Consultant Fee		1	x	\$20,000		
TOTAL PHASE 42						\$20,000
RELOCATION COSTS (PHASE 45)						
Replacement Housing						
28. Owner	\$20,000	x	0	=	0	
29. Tenant	\$10,000	x	0	=	0	
Move Costs						
30. Residential	\$1,500	x	0	=	0	
31. Business/Farm	\$20,000	x	0	=	0	
32. Personal Property	\$2,000	x	0	=	\$0	
33. (Lines 28 thru 32)						
34. Relocation Services Cost				\$0	(Not in Phase Total)	
35.						
36.						
37.						
TOTAL PHASE 45						\$0

TOTAL ESTIMATE **\$212,400**

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: <i>[Signature]</i>	Date:
Relocation: N/A	Signed: <i>[Signature]</i>	Date:
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
 2nd site 2C
 G-6

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming I: _____ Special Purpose: _____ X _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #3A	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

RIW SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	0	x	6,500 =	Rate)	Amount	0
2. Indirect Overhead	(Parcels	0	x	0 =	Rate)	0	0
3.							

RIW OPS (PHASE 4B)

4. Appraisal Fees Through Trail				0	Parcels	x	12,000 =	0
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers				0	Parcels	x	500 =	0
7. Expert Witness	75%	x	0 =	0	Parcels	x	30,000 =	0
8. Mediators	75%	x	0 =	0	Parcels	x	2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.	50%	x	0 =	0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts				0	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review				1	Parcels	x	5,000 =	0
12.				0				

RIW LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount				0				
14. Water Retention & Mit.	23,568	x	130% * Design plan stage	=				
15. SUBTOTAL							30638	
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	4,100			30,638
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	12,900			
18. Business Damages (Claims	0	x	\$0)	=	0			
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0			
20. Ovwner Appr. Fees (Parcels	0	x	\$10,000)	=	0			
21. Ovwner CPA Fees (Claims	0	x	\$10,000)	=	0			
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	17,000	x	40%	=	6,800			
23. Ovwner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0			
24. Other Condemn. Costs	0	x	\$500	=	0			
25. SUBTOTAL				=			23,800	
26.								

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

RIW ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000				
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RELOCATION COSTS (PHASE 45)

28. Owner Replacement Housing	\$20,000	x	Number	0	=	Amount	0
29. Tenant Move Costs	\$10,000	x	0	=	0		
30. Residential	\$1,500	x	0	=	0		
31. Business/Farm	\$20,000	x	0	=	0		
32. Personal Property	\$2,000	x	0	=	0		
33. (Lines 28 thru 32)				=	\$0		
34. Relocation Services Cost					\$0	(Not in Phase Total)	

TOTAL ESTIMATE \$69,400

Appraisal: Mitch Hammer Signed: *[Signature]* Date: 9-30-02
 Bus. Dam.: N/A Signed: _____ Date: _____
 Relocation: N/A Signed: _____ Date: _____
 Overall Review: Mark Sawyer Signed: *[Signature]* Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 Land Site 3A

G-7

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #38	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels	1	x	6,500 = Rate)	6,500
2. Indirect Overhead	(Parcels	1	x	0 = Rate)	0
3.					
				TOTAL PHASE 41	\$6,500

R/W OPS (PHASE 4B)				Amount		
4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	12,000
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers		1	Parcels	x	500 =	500
7. Expert Witness	75%	x	1	=	1	Parcels
8. Mediators	75%	x	1	=	1	Parcels
9. Demolition, Ash. Abate., Survey, etc.	50%	x	1	=	1	Parcels
10. Miscellaneous Contracts		0	Imprvmet	x	15,000 =	0
11. Appraisal Fee Review		1	Per Project	x	15,000 =	15,000
12.		1	Parcels	x	5,000 =	5,000
				TOTAL PHASE 4B	\$64,900	

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.	87,114	x	127% (0 Parcels w/o R/W Acq)	=	113,248
15. SUBTOTAL			(Lines 13 & 14)		113,248
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	15,300
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	47,600
18. Business Damages (Claims)	0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	62,900	x	40%)	=	25,200
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	=	18,000
24. Other Condemn. Costs	1	x	\$500	=	500
25. SUBTOTAL			(Lines 16 thru 24)		116,600
26.					
				TOTAL PHASE 43	\$229,800

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee	1	x	\$20,000	=	20,000
				TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)				Amount	
Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)				=	\$0
34. Relocation Services Cost			\$0 (Not in Phase Total)	=	\$0
				TOTAL PHASE 45	\$0

35. _____
36. _____
37. _____ (All Phases) **TOTAL ESTIMATE \$321,200**

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
_____ and Site 3B

G-8

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #3C	C.E. Sequence: N/A
Project Des.: Cobb Rd.		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6.500 = Rate) Amount
2. Indirect Overhead	(Parcels)	0	x 0 = Rate) Amount
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0	Parcels x 12,000 = Amount
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		0	Parcels x 500 = 0
7. Expert Witness	75%	x 0 =	0 Parcels x 30,000 = 0
8. Mediators	75%	x 0 =	0 Parcels x 2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.	50%	x 0 =	0 Imprvmet x 15,000 = 0
10. Miscellaneous Contracts			1 Per Project x 15,000 = 15,000
11. Appraisal Fee Review			0 Parcels x 5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		33,099	x 130% (0 Parcels w/o R/W Acq) = 43029
15. SUBTOTAL			(Lines 13 & 14) 43,028
16. Admin. Settlements (Factor)	45%	x 30% of Line 15	= 5,800
17. Litigation Awards (Factor)	60%	x 70% of Line 15	= 18,100
18. Business Damages (Claims)	0	x \$0	= 0
19. Bus. Damages Incrs. (Factor)	25%	x \$	= 0
20. Owner Appr. Fees (Parcels)	0	x \$10,000	= 0
21. Owner CPA Fees (Claims)	0	x \$10,000	= 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	23,900	x 0%	= 9,600
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 0	x 18,000 = 0
24. Other Condemn. Costs	0	x \$500	= 0
25. SUBTOTAL			(Lines 16 thru 24) 33,500
26.			
TOTAL PHASE 43			\$176,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		0	x \$20,000 = 0
TOTAL PHASE 42			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
18. Owner	\$20,000	x	0 = 0
19. Tenant	\$10,000	x	0 = 0
Move Costs			
10. Residential	\$1,500	x	0 = 0
11. Business/Farm	\$20,000	x	0 = 0
12. Personal Property	\$2,000	x	0 = \$0
3. (Lines 28 thru 32)			
4. Relocation Services Cost			\$0 (Not in Phase Total)
5.			
6.			
7.			
TOTAL PHASE 45			\$0

TOTAL ESTIMATE			\$91,500
Appraisal: Mitch Hammer	Signed: <i>Mitch Hammer</i>	Date: 9-30-02	
As. Dam.: N/A	Signed: _____	Date: _____	
Relocation: N/A	Signed: _____	Date: _____	
Overall Review: Mark Sawyer	Signed: <i>Mark Sawyer</i>	Date: 9-30-02	

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
and Site 3C

G-9

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming I: _____ Special Purpose: X _____ Data to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #18A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	1	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6.500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	Amount	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	Amount	0
8. Mediators	75%	0	Parcels	x	2,400	=	Amount	0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Imprvmet	x	15,000	=	Amount	0
10. Miscellaneous Contracts		0	Per Project	x	15,000	=	Amount	0
11. Appraisal Fee Review		0	Parcels	x	5,000	=	Amount	0
12.								

TOTAL PHASE 4B \$0

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	Amount	0	Subtotal
14. Water Retention & Mit.		0	x	130%	(0 Parcels w/o R/W Acq)	=	Amount	0	
15. SUBTOTAL					(Lines 13 & 14)				0
16. Admin. Settlements (Factor)	45%	0	x	30%	of Line 15)	=	Amount	0	
17. Litigation Awards (Factor)	60%	0	x	70%	of Line 15)	=	Amount	0	
18. Business Damages (Claims)	0	0	x	\$0	)	=	Amount	0	
19. Bus. Damages Incrs. (Factor)	25%	0	x	\$	)	=	Amount	0	
20. Owner Appr. Fees (Parcels)	0	0	x	\$10,000	)	=	Amount	0	
21. Owner CPA Fees (Claims)	0	0	x	\$10,000	)	=	Amount	0	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	0	0	x	40%	)	=	Amount	0	
23. Owner Expert Witness (Comm. + Unimp.)	0	0	x	0	) x 18,000	=	Amount	0	
24. Other Condemn. Costs	0	0	x	\$500	)	=	Amount	0	
25. SUBTOTAL					(Lines 16 thru 24)				0
26.									

TOTAL PHASE 43 \$0

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

17. Acquisition Consultant Fee	0	x	\$20,000					
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

Replacement Housing			Number	Amount
18. Owner	\$20,000	x	0	= 0
19. Tenant	\$10,000	x	0	= 0
Move Costs				
20. Residential	\$1,500	x	0	= 0
1. Business/Farm	\$20,000	x	0	= 0
2. Personal Property	\$2,000	x	0	= 0
3. (Lines 28 thru 32)				= \$0
4. Relocation Services Cost			\$0	(Not in Phase Total)

TOTAL PHASE 45 \$0

TOTAL ESTIMATE \$0

Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Work site 18A - owned by State of Florida

G-43

Following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

Following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #4A	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	Amount	6,500	
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	Amount	0	
								TOTAL PHASE 41	\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		1	Parcels	x	12,000	=	Amount	12,000	
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0		
6. Court Reporter & Process Servers		1	Parcels	x	500	=	500		
7. Expert Witness	75%	1	Parcels	x	30,000	=	30,000		
8. Mediators	50%	1	Parcels	x	2,400	=	2,400		
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000	=	0		
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	15,000		
11. Appraisal Fee Review		1	Parcels	x	5,000	=	5,000		
12.									
								TOTAL PHASE 4B	\$64,900

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0		
14. Water Retention & Mit.		36,309	x	130%	(0 Parcels w/o R/W Acq)	=	47,202		
15. SUBTOTAL					(Lines 13 & 14)		47,201		
16. Admin. Settlements	(Factor)	45%	x	30%	of Line 15)	=	6,400		
17. Litigation Awards	(Factor)	60%	x	7%	of Line 15)	=	19,800		
18. Business Damages	(Claims)	0	x		\$0)	=	0		
19. Bus. Damages Incrs.	(Factor)	25%	x		\$0)	=	0		
20. Owner Appr. Fees	(Parcels)	1	x		\$10,000)	=	10,000		
21. Owner CPA Fees	(Claims)	0	x		\$10,000)	=	0		
22. Defend. Atty Fees	(Sum of Lines 16, 17 & 19)	26,200	x	40%		=	10,500		
23. Owner Expert Witness	(Comm. + Unimp.)	0	+	1)	x 18,000	=	18,000		
24. Other Condiemn. Costs		1	x		\$500	=	500		
25. SUBTOTAL					(Lines 16 thru 24)		65,200		
26.									
								TOTAL PHASE 43	\$112,400

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee		1	x	\$20,000					
								TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)

28. Owner	Replacement Housing	\$20,000	x	0	=	0			
29. Tenant		\$10,000	x	0	=	0			
30. Residential	Move Costs	\$1,500	x	0	=	0			
31. Business/Farm		\$20,000	x	0	=	0			
32. Personal Property		\$2,000	x	0	=	\$0			
33. (Lines 28 thru 32)									
34. Relocation Services Cost				\$0	(Not in Phase Total)				
								TOTAL PHASE 45	\$0

35.
36.
37. (All Phases) **TOTAL ESTIMATE** **\$203,800**

Appraisal:	Mitch Hammer	Signed:	<i>Mitch Hammer</i>	Date:	7-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>Mark Sawyer</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:

pond site 4A

G-10

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: Does to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #48	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	1	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate	0	0
3.								

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	0			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0			
6. Court Reporter & Process Servers		0	Parcels	x	500	=	0			
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000	=	0
8. Mediators	50%	x	0	=	0	Parcels	x	2,400	=	0
9. Demolition, Ass. Abate., Survey, etc.			0	Imprvmet	x	15,000	=	0		
10. Miscellaneous Contracts			1	Per Project	x	15,000	=	15,000		
11. Appraisal Fee Review			0	Parcels	x	5,000	=	0		
12.										

TOTAL PHASE 4B \$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	Amount	Subtotal
14. Water Retention & Mit.		37,330	x	130% (0 Parcels w/o R/W Acq)	=	48,529		
15. SUBTOTAL								48,529
16. Admin. Settlements (Factor)	45%	x	0	=	0	Parcels	x	6,600
17. Litigation Awards (Factor)	60%	x	0	=	0	Parcels	x	20,400
18. Business Damages (Claims)	0	x	0	=	0	Parcels	x	0
19. Bus. Damages Incrs. (Factor)	25%	x	0	=	0	Parcels	x	0
20. Owner Appr. Fees (Parcels)	0	x	0	=	0	Parcels	x	0
21. Owner CPA Fees (Claims)	0	x	0	=	0	Parcels	x	0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	27,000	x	0	=	0	Parcels	x	10,800
23. Owner Expert Witness (Comm. + Unimp.)	0	x	0	=	0	Parcels	x	0
24. Other Condemn. Costs	0	x	0	=	0	Parcels	x	0
25. SUBTOTAL								37,800
26.								

TOTAL PHASE 43 \$86,300

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000	=	0
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount
18. Owner		\$20,000	x	0	=	0
19. Tenant		\$10,000	x	0	=	0
Move Costs						
10. Residential		\$1,500	x	0	=	0
11. Business/Farm		\$20,000	x	0	=	0
12. Personal Property		\$2,000	x	0	=	0
13. (Lines 28 thru 32)						\$0
14. Relocation Services Cost						\$0 (Not in Phase Total)
15.						
16.						
17.						

TOTAL PHASE 45 \$0

TOTAL ESTIMATE (All Phases) \$101,300

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

on site 4B

G-11

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #5A	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
Total Parcels	1	1	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels	1	x 6.500 = Rate) Amount
2. Indirect Overhead	(Parcels	1	x 0 = Rate) Amount
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trail		1	Parcels x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers	75%	x 1 =	1 Parcels x 500 = 500
7. Expert Witness	75%	x 1 =	1 Parcels x 30,000 = 30,000
8. Mediators	50%	x 1 =	1 Parcels x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.			0 Imprvmet x 15,000 = 0
10. Miscellaneous Contracts			1 Per Project x 15,000 = 15,000
11. Appraisal Fee Review			1 Parcels x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage	= 0
14. Water Retention & Mit.	50,655	x 130% (0 Parcels w/o R/W Acq)	= 65,852
15. SUBTOTAL		(Lines 13 & 14)	65,851
16. Admin. Settlements (Factor	45%	x 30% of Line 15)	= 8,900
17. Litigation Awards (Factor	60%	x 70% of Line 15)	= 27,700
18. Business Damages (Claims	0	x \$0)	= 0
19. Bus. Damages Incrs. (Factor	25%	x \$)	= 0
20. Owner Appr. Fees (Parcels	1	x \$10,000)	= 10,000
21. Owner CPA Fees (Claims	0	x \$10,000)	= 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	36,600	x 40%)	= 14,600
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 1) x 18,000	= 18,000
24. Other Condemn. Costs	1	x \$500	= 500
25. SUBTOTAL		(Lines 16 thru 24)	79,700
26.			
TOTAL PHASE 43			\$145,000

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	1	x \$20,000	
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x 0	= 0
29. Tenant	\$10,000	x 0	= 0
Move Costs			
30. Residential	\$1,500	x 0	= 0
31. Business/Farm	\$20,000	x 0	= 0
32. Personal Property	\$2,000	x 0	= 0
33. (Lines 28 thru 32)			\$0
34. Relocation Services Cost		\$0	(Not in Phase Total)
35.			
36.			
37.			
TOTAL PHASE 45			\$0

Appraisal: Mitch Hammer	Signed: <i>Mitch Hammer</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mitch Hammer	Signed: <i>Mitch Hammer</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 5A
 G-12

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming ft: _____ Special Purpose: _____ X Done to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991
County: Hernando
State Rd.: Cobb Rd.
Project Des.: Cobb Rd. Ponds

Former WPI#: N/A
FAP No.: N/A
Alternate: SMF #58

District: Seven
Date: 16-Sep-02
C.E. Sequence: N/A

Parcels	Gross	Net
Commercial	1	1
Residential	0	0
Unimproved	0	0
Total Parcels	1	1

Estimated Relocates:	
Business	1
Residential	0
Signs	0
Special	1
Total Relocates	2

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6.500	=	Rate)	Amount	6.500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	0	0
3.								

TOTAL PHASE 41 \$6,500

R/W OPS (PHASE 4B)

				1	Parcels	x	Amount	Amount
4. Appraisal Fees Through Trial				1	Parcels	x	12,000	12,000
5. Business Damage CPA Fees Through Trail				1	Claims	x	19,000	19,000
6. Court Reporter & Process Servers				1	Parcels	x	500	500
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000
8. Mediators	75%	x	1	=	1	Parcels	x	2,400
9. Demolition, Ash, Abate., Survey, etc.	50%	x	1	=	1	Parcels	x	15,000
10. Miscellaneous Contracts				0	Imprvmet	x	15,000	0
11. Appraisal Fee Review				1	Per Project	x	15,000	15,000
12.				1	Parcels	x	5,000	5,000

TOTAL PHASE 4B \$83,900

R/W LAND COSTS (PHASE 43)

					Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0	
14. Water Retention & Mit.	629,896	x	130% (0 Parcels w/o R/W Acq)	=	818,865	
15. SUBTOTAL			(Lines 13 & 14)			818,865
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	110,500	
17. Litigation Awards (Factor)	60%	x	7% of Line 15)	=	343,900	
18. Business Damages (Claims)	1	x	0)	=	738,500	
19. Bus. Damages Incrs. (Factor)	25%	x	\$ 738,500)	=	184,600	
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims)	1	x	\$10,000)	=	10,000	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	639,000	x	40%)	=	259,600	
23. Owner Expert Witness (Comm. + Unimp.)	1	x	0) x 18,000	=	18,000	
24. Other Condemn. Costs	1	x	\$500	=	500	
25. SUBTOTAL			(Lines 16 thru 24)			1,671,600

TOTAL PHASE 43 \$2,490,500

* Design contingency for design plan stage:

(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000	
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TOTAL PHASE 42 \$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing			Number	Amount
28. Owner		\$20,000	x	0
29. Tenant		\$10,000	x	0
Move Costs				
10. Residential		\$1,500	x	0
11. Business/Farm		\$20,000	x	1
12. Personal Property		\$2,000	x	1
13. (Lines 28 thru 32)				\$2,000

TOTAL PHASE 45 \$22,000

4. Relocation Services Cost \$2,200 (Not in Phase Total)

5.
6.
7.

TOTAL ESTIMATE \$2,622,000

Appraisal: Mitch Hammer
us. Dam.: Gerson, Preston, Robinson
Relocation: N/A
Overall Review: Mark Sawyer

Signed: *Mitch Hammer*
Signed: *Gerson, Preston, Robinson*
Signed: *N/A*
Signed: *Mark Sawyer*

Date: 9-30-02
Date:
Date:
Date: 9-30-02

Cost Estimate Sequence #:

Dated:

In the Amount of \$

Data Input Completion Date:

REMARKS:

and site 5B

G-13

The following indicates the estimator's confidence in the above estimates:

- Type A - indicates the most confidence
- Type B - indicates above average confidence
- Type C - indicates below average confidence
- Type D - indicates the least or no confidence

Futura Value Factors @	
Year One	1.1000
Year Two	1.2100
Year Three	1.3310
Year Four	1.4641
Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Program Update:

Gaming 1:

Special Purpose: X

Docs to RW:

Comments:

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #5C	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	1	1	Business _____ 1
Residential	0	0	Residential _____ 0
Unimproved	0	0	Signs _____ 0
			Special _____ 1
Total Parcels	1	1	Total Relocates _____ 2

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	6,500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		1	Parcels	x	12,000	=	12,000
5. Business Damage CPA Fees Through Trail		1	Claims	x	19,000	=	19,000
6. Court Reporter & Process Servers	75%	1	Parcels	x	500	=	500
7. Expert Witness	75%	1	Parcels	x	30,000	=	30,000
8. Mediators	50%	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.		1	Imprvmet	x	15,000	=	15,000
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review		1	Parcels	x	5,000	=	5,000
12.							
TOTAL PHASE 4B							\$98,900

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	
14. Water Retention & Mit.		630,321	x	130% (0 Parcels w/o R/W Acq)	=	819,417	
15. SUBTOTAL				(Lines 13 & 14)		819,417	
16. Admin. Settlements (Factor)	45%		x	30% of Line 15)	=	110,600	
17. Litigation Awards (Factor)	60%		x	70% of Line 15)	=	344,200	
18. Business Damages (Claims)	1		x	\$0)	=	738,500	
19. Bus. Damages Incrs. (Factor)	25%		x	\$ 738,500)	=	184,600	
20. Owner Appr. Fees (Parcels)	1		x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims)	1		x	\$10,000)	=	10,000	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	639,400		x	40%)	=	259,800	
23. Owner Expert Witness (Comm.+ Unimp.)	1		+	0) x 18,000	=	18,000	
24. Other Condemn. Costs	1		x	\$500	=	500	
25. SUBTOTAL				(Lines 16 thru 24)	=	1,672,200	
26.							
TOTAL PHASE 43							\$2,491,600

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000			
TOTAL PHASE 42						\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount
28. Owner	\$20,000	0	0
29. Tenant	\$10,000	0	0
Move Costs			
30. Residential	\$1,500	0	0
31. Business/Farm	\$20,000	1	20,000
32. Personal Property	\$2,000	1	\$2,000
33. (Lines 28 thru 32)			
34. Relocation Services Cost	\$2,200	(Not in Phase Total)	
35.			
36.			
37.			
(All Phases)			TOTAL PHASE 45
			\$22,000

(All Phases)			TOTAL ESTIMATE	\$2,639,000
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Appraisal:	Mitch Hammer	Signed:	<i>Mitch Hammer</i>	Date:	7-30-02
Bus. Dam.:	Gerson, Preston, Robinson	Signed:	By attachment	Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>Mark Sawyer</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:

Land site 5C

G-14

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
_____ Type A - indicates the most confidence	Year One	1.1000
_____ Type B - indicates above average confidence	Year Two	1.2100
_____ Type C - indicates below average confidence	Year Three	1.3310
_____ Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA#: 2572991
County: Hernando
State Rd.: Cobb Rd.
Project Des.: Cobb Rd. Ponds

Former WPI#: N/A
FAP No.: N/A
Alternate: SMF #7A

District: Seven
Date: 10-Sep-02
C.E. Sequence: N/A

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	0	0
Total Parcels	0	0

Estimated Relocates:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								0

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	0	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	0	0
8. Mediators	75%	0	Parcels	x	2,400	=	0	0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels	x	15,000	=	0	0
10. Miscellaneous Contracts		0	Imprvmet	x	15,000	=	0	0
11. Appraisal Fee Review		0	Per Project	x	15,000	=	0	0
12.		0	Parcels	x	5,000	=	0	0

TOTAL PHASE 4B \$0

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	Amount	Subtotal	0
14. Water Retention & Mit.		0	x	130% (0 Parcels w/o R/W Acq)	=	0	0	0
15. SUBTOTAL								0
16. Admin. Settlements (Factor)	45%	0	x	30% of Line 15	=	0		0
17. Litigation Awards (Factor)	60%	0	x	70% of Line 15	=	0		0
18. Business Damages (Claims)		0	x	\$0	=	0		0
19. Bus. Damages Incrs. (Factor)	25%	0	x	\$	=	0		0
20. Owner Appr. Fees (Parcels)		0	x	\$10,000	=	0		0
21. Owner CPA Fees (Claims)		0	x	\$10,000	=	0		0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)		0	x	4%	=	0		0
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0	x	18,000		0
24. Other Condemn. Costs		0	x	\$500	=	0		0
25. SUBTOTAL								0
26.								0

TOTAL PHASE 43 \$0

* Design contingency for design plan stage:

(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000		
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount
28. Owner	\$20,000	0	0
29. Tenant	\$10,000	0	0
Move Costs			
30. Residential	\$1,500	0	0
31. Business/Farm	\$20,000	0	0
32. Personal Property	\$2,000	0	0
33. (Lines 28 thru 32)			\$0
34. Relocation Services Cost			\$0 (Not in Phase Total)

TOTAL PHASE 45 \$0

5.

6.

7.

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #:

Dated:

In the Amount of \$

Date Input Completion Date:

REMARKS:

and site 7A - FDOT owned

G-15

The following indicates the estimator's confidence in the above estimate:

- Type A - indicates the most confidence
- Type B - indicates above average confidence
- Type C - indicates below average confidence
- Type D - indicates the least or no confidence

Future Value Factors @	
Year One	1.000
Year Two	1.2100
Year Three	1.3310
Year Four	1.4641
Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Work Program Update:

Gaming 1:

Special Purpose: X

Docs to RW:

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #7B	C.E. Sequence: N/A

Project Des. Cobb Rd. Ponds				
Parcels	Gross	Net		
Commercial	0	0		
Residential	0	0		
Unimproved	0	0		
Total Parcels	0	0		

Estimated Relocates:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	0	x 6,500 =	Rate) 0
2. Indirect Overhead	(Parcels)	0	x 0 =	Rate) 0
3.				
				TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		0	Parcels x	12,000 = 0
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers		0	Parcels x	500 = 0
7. Expert Witness	75%	0	Parcels x	30,000 = 0
8. Mediators	75%	0	Parcels x	2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Imprmet x	15,000 = 0
10. Miscellaneous Contracts		1	Per Project x	15,000 = 0
11. Appraisal Fee Review		0	Parcels x	5,000 = 0
12.				
				TOTAL PHASE 4B \$0

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage	=	0
14. Water Retention & Mit.		0	x 130% (0 Parcels w/o R/W Acq)	=	0
15. SUBTOTAL					0
(Lines 13 & 14)					
16. Admin. Settlements (Factor)		45%	x 30% of Line 15)	=	0
17. Litigation Awards (Factor)		60%	x 70% of Line 15)	=	0
18. Business Damages (Claims)		0	x \$0)	=	0
19. Bus. Damages Incrs. (Factor)		25%	x \$)	=	0
20. Owner Appr. Fees (Parcels)		0	x \$10,000)	=	0
21. Owner CPA Fees (Claims)		0	x \$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)		0	x 40%)	=	0
23. Owner Expert Witness (Comm. + Unimp.)		0	+ 0) x 18,000	=	0
24. Other Condemn. Costs		0	x \$500	=	0
25. SUBTOTAL					0
(Lines 16 thru 24)					
26.					
				TOTAL PHASE 43	\$0

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				
27. Acquisition Consultant Fee		0	x \$20,000	
				TOTAL PHASE 42

RELOCATION COSTS (PHASE 45)				
Replacement Housing				
28. Owner	\$20,000	x	0	= 0
29. Tenant	\$10,000	x	0	= 0
Move Costs				
30. Residential	\$1,500	x	0	= 0
31. Business/Farm	\$20,000	x	0	= 0
32. Personal Property	\$2,000	x	0	= 0
33. (Lines 28 thru 32)				= \$0
34. Relocation Services Cost			\$0 (Not in Phase Total)	
				TOTAL PHASE 45

35.				
36.				
37.				
				TOTAL ESTIMATE

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	7-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 Land site 7B - FDOT owned

G-16

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #7C	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	1	1	Residential _____ 0
Unimproved	0	0	Signs _____ 0
			Special _____ 0
Total Parcels	1	1	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	1	x 6,500 =	Rate) 6,500
2. Indirect Overhead	(Parcels)	1	x 0 =	Rate) 0
3.				
TOTAL PHASE 41				\$6,500

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		1	Parcels x	12,000 = 12,000
5. Business Damage CPA Fees Through Trail		1	Claims x	19,000 = 19,000
6. Court Reporter & Process Servers		1	Parcels x	500 = 500
7. Expert Witness	75%	1	Parcels x	30,000 = 30,000
8. Mediators	75%	1	Parcels x	2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	1	Parcels x	15,000 = 0
10. Miscellaneous Contracts		1	Imprvmet x	15,000 = 0
11. Appraisal Fee Review		1	Per Project x	5,000 = 5,000
12.				
TOTAL PHASE 4B				\$68,900

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage	= 0	
14. Water Retention & Mit.		71,472	x 130% (0 Parcels w/o R/W Acq)	= 92,913	
15. SUBTOTAL			(Lines 13 & 14)		92,913
16. Admin. Settlements (Factor)		45%	x 30% of Line 15	= 12,500	
17. Litigation Awards (Factor)		60%	x 70% of Line 15	= 39,000	
18. Business Damages (Claims)		1	x \$0	= 11,700	
19. Bus. Damages Incrs. (Factor)		25%	x \$ 11,700	= 2,900	
20. Owner Appr. Fees (Parcels)		1	x \$10,000	= 10,000	
21. Owner CPA Fees (Claims)		1	x \$10,000	= 10,000	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)		54,400	x 40%	= 21,800	
23. Owner Expert Witness (Comm. + Unimp.)		0	+ 0 x 18,000	= 0	
24. Other Condemn. Costs		1	x \$500	= 500	
25. SUBTOTAL			(Lines 16 thru 24)		108,400
26.					
TOTAL PHASE 43					\$201,300

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				
27. Acquisition Consultant Fee		1	x \$20,000	
TOTAL PHASE 42				\$20,000

RELOCATION COSTS (PHASE 45)				
Replacement Housing				
28. Owner		\$20,000	x 0 = 0	
29. Tenant		\$10,000	x 0 = 0	
Move Costs				
30. Residential		\$1,500	x 0 = 0	
31. Business/Farm		\$20,000	x 0 = 0	
32. Personal Property		\$2,000	x 0 = 0	
3. (Lines 28 thru 32)				
TOTAL PHASE 45				\$0

4. Relocation Services Cost		\$0	(Not in Phase Total)	
5.				
6.				
7.				
TOTAL ESTIMATE				\$296,700

Appraisal:	Mitch Hammer	Signed:		Date:	7-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	07-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
on site 7C

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The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
_____ Type A - indicates the most confidence	10%
_____ Type B - indicates above average confidence	Year One 1.1000
_____ Type C - indicates below average confidence	Year Two 1.2100
_____ Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991 Former WPI#: N/A District: Seven
 County: Hernando FAP No.: N/A Date: 10-Sep-02
 State Rd.: Cobb Rd. Alternate: SMF #8A C.E. Sequence: N/A

Project Des.	Cobb Rd. Ponds		Estimated Relocates:
	Gross	Net	
Parcels			
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	1	Signs _____ 0
Total Parcels	1	1	Special _____ 0
			Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	0	0
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

							Amount	
4. Appraisal Fees Through Trial				1	Parcels	x	12,000	= 12,000
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000	= 0
6. Court Reporter & Process Servers				1	Parcels	x	500	= 500
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000 = 30,000
8. Mediators	75%	x	1	=	1	Parcels	x	2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x	1	=	0	Imprvmet	x	15,000 = 0
10. Miscellaneous Contracts					1	Per Project	x	15,000 = 15,000
11. Appraisal Fee Review					1	Parcels	x	5,000 = 5,000
12.								
TOTAL PHASE 4B								\$64,900

R/W LAND COSTS (PHASE 43)

							Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=			0	
14. Water Retention & Mit.	24,012	x	130% (0 Parcels w/o R/W Acq)	=			31,215	
15. SUBTOTAL								31,215
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=			4,200	
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=			13,100	
18. Business Damages (Claims)	0	x	\$0)	=			0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=			0	
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=			10,000	
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=			0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	17,300	x	40%)	=			6,900	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	=			18,000	
24. Other Condemn. Costs	1	x	\$500	=			500	
25. SUBTOTAL								52,700
26.								
TOTAL PHASE 43								\$83,900

* Design contingency for design plan stage:
 (1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000	=				
TOTAL PHASE 42								\$20,000

RELOCATION COSTS (PHASE 45)

							Number	Amount
28. Owner	Replacement Housing						0	0
29. Tenant		\$20,000	x				0	0
		\$10,000	x				0	0
	Move Costs							
10. Residential		\$1,500	x				0	0
11. Business/Farm		\$20,000	x				0	0
12. Personal Property		\$2,000	x				0	0
13. (Lines 28 thru 32)								\$0
14. Relocation Services Cost								\$0 (Not in Phase Total)
15.								
16.								
17.								
TOTAL PHASE 45								\$0

Appraisal: Mitch Hammer Signed: *M Hammer* Date: 9-30-02
 Bus. Dam.: N/A Signed: _____ Date: _____
 Relocation: N/A Signed: _____ Date: _____
 Overall Review: Mark Sawyer Signed: *M Sawyer* Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 8A

G-18

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #88	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	0	0	Signs
Total Parcels	1	1	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	1	x 6,500 = Amount
2. Indirect Overhead	(Parcels)	1	x 0 = 6,500
3.			0
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		1	Parcels x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		1	Parcels x 500 = 500
7. Expert Witness	75%	1	Parcels x 30,000 = 30,000
8. Mediators	50%	1	Parcels x 2,400 = 2,400
9. Demolition, Ash. Abate., Survey, etc.		0	Imprvmet x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		8,281	x 130% (0 Parcels w/o R/W Acq) = 10765
15. SUBTOTAL			(Lines 13 & 14) 10,765
16. Admin. Settlements (Factor)	45%		x 30% of Line 15) = 1,500
17. Litigation Awards (Factor)	60%		x 70% of Line 15) = 4,500
18. Business Damages (Claims)	0		x \$0 = 0
19. Bus. Damages Incrs. (Factor)	25%		x \$ = 0
20. Owner Appr. Fees (Parcels)	1		x \$10,000 = 10,000
21. Owner CPA Fees (Claims)	0		x \$10,000 = 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	6,000		x 40% = 2,400
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 18,000 = 0
24. Other Condemn. Costs	1		x \$500 = 500
25. SUBTOTAL			(Lines 16 thru 24) 18,900
26.			
TOTAL PHASE 43			\$29,700

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
17. Acquisition Consultant Fee		1	x \$20,000 = 20,000
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
8. Owner	\$20,000	x	0 = 0
9. Tenant	\$10,000	x	0 = 0
Move Costs			
10. Residential	\$1,500	x	0 = 0
1. Business/Farm	\$20,000	x	0 = 0
2. Personal Property	\$2,000	x	0 = 0
3. (Lines 28 thru 32)			\$0
4. Relocation Services Cost			\$0 (Not in Phase Total)
5.			
6.			
7.			
TOTAL PHASE 45			\$0

TOTAL ESTIMATE			\$121,100
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Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Estimate Sequence #:	Dated:	In the Amount of \$	Date Input Completion Date:
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REMARKS:
 and site 88
 G-19

Following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	Year One 1.1000
Type B - indicates above average confidence	Year Two 1.2100
Type C - indicates below average confidence	Year Three 1.3310
Type D - indicates the least or no confidence	Year Four 1.4641
	Year Five 1.6106

Following indicates the Department's purpose for this estimate:	Gaming 1:	Special Purpose:	Docs to RW:
Mark Program Update:			
Comments:			

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #8C	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Cobb Rd. Ponds		Estimated Relocates:
	Gross	Net	
Commercial	0	0	Business _____ 0
Residential	1	1	Residential _____ 0
Unimproved	1	1	Signs _____ 0
Total Parcels	2	2	Special _____ 0
			Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	2	x 6.500 =	Rate) 13,000
2. Indirect Overhead	(Parcels)	2	x 0 =	Rate) 0
3.				
TOTAL PHASE 41				\$13,000

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trail		2	Parcels x	12,000 = 24,000
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers		2	Parcels x	500 = 1,000
7. Expert Witness	75%	2	Parcels x	30,000 = 60,000
8. Mediators	75%	2	Parcels x	2,400 = 2,400
9. Demolition, Ash. Abate., Survey, etc.	50%	2	Parcels x	15,000 = 0
10. Miscellaneous Contracts		1	Per Project x	15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x	5,000 = 5,000
12.				
TOTAL PHASE 4B				\$107,400

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage	= 0	
14. Water Retention & Mit.		24,652	x 170% (0 Parcels w/o R/W Acq)	= 32,048	
15. SUBTOTAL					32,047
16. Admin. Settlements (Factor)	45%		x 30% of Line 15)	= 4,300	
17. Litigation Awards (Factor)	60%		x 70% of Line 15)	= 13,500	
18. Business Damages (Claims)	0		x \$0)	= 0	
19. Bus. Damages Incrs. (Factor)	25%		x \$)	= 0	
20. Owner Appr. Fees (Parcels)	2		x \$10,000)	= 20,000	
21. Owner CPA Fees (Claims)	0		x \$10,000)	= 0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	17,800		x 40%)	= 7,100	
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 1) x 18,000	= 18,000	
24. Other Condemn. Costs	2		x \$500	= 1,000	
25. SUBTOTAL					63,900
26.			(Lines 16 thru 24)		
TOTAL PHASE 43					\$95,900

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount
27. Acquisition Consultant Fee		1	x \$20,000	20,000
TOTAL PHASE 42				\$20,000

RELOCATION COSTS (PHASE 45)				Amount
28. Owner Replacement Housing				
29. Tenant Move Costs				
30. Residential				
31. Business/Farm				
32. Personal Property				
33. (Lines 28 thru 32)				
34. Relocation Services Cost				
15.				
16.				
17.				
TOTAL PHASE 45				\$0

TOTAL ESTIMATE				Amount
TOTAL ESTIMATE				\$236,300

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
On site BC

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The following indicates the estimator's confidence in the above estimate:		Future Value Factors @	
_____ Type A - indicates the most confidence		Year One	1.1000
_____ Type B - indicates above average confidence		Year Two	1.2100
_____ Type C - indicates below average confidence		Year Three	1.3310
_____ Type D - indicates the least or no confidence		Year Four	1.4641
		Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #9A	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross		Net		Estimated Relocatees:
	Commercial	Residential	Unimproved	Total Parcels	
Commercial	0	0	0	1	Business _____ 0
Residential	0	0	0	1	Residential _____ 0
Unimproved	1	1	1	1	Signs _____ 0
Total Parcels	1	1	1	1	Special _____ 0
					Total Relocatees _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate	Amount	6,500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate	Amount	0
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail				1	Parcels	x	12,000	=	12,000	
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers				1	Parcels	x	600	=	600	
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000	=	30,000
8. Mediators	50%	x	1	=	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000	=	0	
10. Miscellaneous Contracts				1	Per Project	x	15,000	=	15,000	
11. Appraisal Fee Review				1	Parcels	x	5,000	=	5,000	
12.										
TOTAL PHASE 4B								\$64,900		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	100% * Design plan stage	=	0
14. Water Retention & Mit.		41,124	x	130% (0 Parcels w/o R/W Acq)	=	53,461
15. SUBTOTAL				(Lines 13 & 14)		53,462
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	7,200	
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	22,500	
18. Business Damages (Claims)	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	29,700	x	40%)	=	11,900	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	=	18,000	
24. Other Condemn. Costs	1	x	\$500	=	500	
25. SUBTOTAL				(Lines 16 thru 24)		70,100
TOTAL PHASE 43						\$123,600

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	1	x	\$20,000		
TOTAL PHASE 42					\$20,000

ELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount
8. Owner		\$20,000	x	0	=	0
9. Tenant		\$10,000	x	0	=	0
Move Costs						
0. Residential		\$1,500	x	0	=	0
1. Business/Farm		\$20,000	x	0	=	0
2. Personal Property		\$2,000	x	0	=	\$0
3. (Lines 20 thru 32)						
TOTAL PHASE 45						\$0

TOTAL ESTIMATE **\$216,000**

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
As. Dam.:	N/A	Signed:		Date:	
Location:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

1st Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

MARKS: _____

and site 9A _____

G-21

Following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

Following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 257291	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep 02
State Rd.: Cobb Rd.	Alternate: SMF #98	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross		Net		Estimated Relocates:
	Commercial	Residential	Unimproved	Total	
Commercial	0	0	0	0	Business _____ 0
Residential	0	0	0	0	Residential _____ 0
Unimproved	1	1	1	1	Signs _____ 0
Total Parcels	1	1	1	1	Special _____ 0
					Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	6,500	Amount
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	0	
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail						1	Parcels	x	12,000	=	12,000	Amount
5. Business Damage CPA Fees Through Trail						0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers						1	Parcels	x	500	=	500	
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000	=	30,000		
8. Mediators	50%	x	1	=	1	Parcels	x	2,400	=	2,400		
9. Demolition, Asb. Abate., Survey, etc.						0	Imprvmet	x	15,000	=	0	
10. Miscellaneous Contracts						1	Per Project	x	15,000	=	15,000	
11. Appraisal Fee Review						1	Parcels	x	5,000	=	5,000	
12.												
TOTAL PHASE 4B												\$64,900

R/W LAND COSTS (PHASE 43)

13. Land Improvements & Severance Damages and Cost to Cure Amount						0	x	130%	* Design plan stage	=	0	Amount	Subtotal
14. Water Retention & Mit.						40,067	x	130%	(0 Parcels w/o R/W Acq)	=	52,087		
15. SUBTOTAL									(Lines 13 & 14)				52,087
16. Admin. Settlements (Factor)	45%	x							30% of Line 15)	=	7,000		
17. Litigation Awards (Factor)	60%	x							70% of Line 15)	=	21,900		
18. Business Damages (Claims)		x				0			\$0)	=	0		
19. Bus. Damages Incrs. (Factor)	25%	x							\$)	=	0		
20. Owner Appr. Fees (Parcels)		x	1						\$10,000)	=	10,000		
21. Owner CPA Fees (Claims)		x				0			\$10,000)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)		x	28,900						40%)	=	11,600		
23. Owner Expert Witness (Comm. + Unimp.)		x	0						1) x 18,000	=	18,000		
4. Other Condemn. Costs		x	1						\$500	=	500		
5. SUBTOTAL									(Lines 16 thru 24)	=	69,000		
6.													
TOTAL PHASE 43													\$121,100

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee			1	x					\$20,000				
TOTAL PHASE 42													\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing													
8. Owner		\$20,000	x	0	=	0							
9. Tenant		\$10,000	x	0	=	0							
Move Costs													
10. Residential		\$1,500	x	0	=	0							
1. Business/Farm		\$20,000	x	0	=	0							
2. Personal Property		\$2,000	x	0	=	0							
3. (Lines 2B thru 32)			x	0	=	0							
TOTAL PHASE 45													\$0

TOTAL ESTIMATE **\$212,500**

Appraisal: Mitch Hammer	Signed: _____	Date: 9-30-02
As. Dam.: N/A	Signed: _____	Date: _____
Location: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: _____	Date: 9-21-02

Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

MARKS: _____

and site 9B _____

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Following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

Following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #9C	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate) 6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate) 0
3.					
TOTAL PHASE 41					\$6,500

R/W OPS (PHASE 4B)				Amount			
4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	12,000	
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0	
6. Court Reporter & Process Servers	75%	x	1	Parcels	x	500 =	500
7. Expert Witness	75%	x	1	Parcels	x	30,000 =	30,000
8. Mediators	50%	x	1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate.. Survey, etc.			0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts			1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review			1	Parcels	x	5,000 =	5,000
12.							
TOTAL PHASE 4B					\$64,900		

R/W LAND COSTS (PHASE 43)				Amount	Subtotal	
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		45,366	x	130% (0 Parcels w/o R/W Acq)	=	58,976
15. SUBTOTAL				(Lines 13 & 14)		58,976
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	8,000	
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	24,800	
18. Business Damages (Claims	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	32,800	x	40%	=	13,100	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1 x 18,000	=	18,000	
24. Other Condemn. Costs	1	x	\$500	=	500	
25. SUBTOTAL				(Lines 16 thru 24)		74,400
26.						
TOTAL PHASE 43					\$133,400	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee		1	x	\$20,000	
TOTAL PHASE 42					\$20,000

RELOCATION COSTS (PHASE 45)				Amount	
Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	\$0
33. (Lines 28 thru 32)					
34. Relocation Services Cost				\$0	(Not in Phase Total)
15.					
16.					
17.					
TOTAL PHASE 45					\$0

TOTAL ESTIMATE					\$224,800
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Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
Ins. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

 on site 9C

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The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd	Alternate: SMF #10A	C.E. Sequence: N/A

Project Des. Cobb Rd. Ponds			
Parcels	Gross	Net	
Commercial	0	0	
Residential	0	0	
Unimproved	1	0	
Total Parcels	1	0	

Estimated Relocates:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels)	0	x	6,500 = Rate	0
2. Indirect Overhead	(Parcels)	0	x	0 = Rate	0
TOTAL PHASE 41					\$0

R/W OPS (PHASE 4B)				Amount					
4. Appraisal Fees Through Trail		0	Parcels	x	12,000 =	0			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0			
6. Court Reporter & Process Servers		0	Parcels	x	500 =	0			
7. Expert Witness	75%	x	0 =	0	Parcels	x	30,000 =	0	
8. Mediators	75%	x	0 =	0	Parcels	x	2,400 =	0	
9. Demolition, Asb. Abate., Survey, etc.	50%	x	0 =	0	Imprvmet	x	15,000 =	0	
10. Miscellaneous Contracts					1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review					0	Parcels	x	5,000 =	0
TOTAL PHASE 4B					\$15,000				

R/W LAND COSTS (PHASE 43)				Amount	Subtotal	
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		45,403	x	130% (0 Parcels w/o R/W Acq)	=	59,024
15. SUBTOTAL						59,024
16. Admin. Settlements (Factor)		45%	x	30% of Line 15	=	8,000
17. Litigation Awards (Factor)		60%	x	70% of Line 15	=	24,800
18. Business Damages (Claims)		0	x	\$0	=	0
19. Bus. Damages Incrs. (Factor)		25%	x	\$	=	0
20. Owner Appr. Fees (Parcels)		0	x	\$10,000	=	0
21. Owner CPA Fees (Claims)		0	x	\$10,000	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)		32,800	x	40%	=	13,100
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0	x	18,000
24. Other Condemn. Costs		0	x	\$500	=	0
15. SUBTOTAL						45,900
TOTAL PHASE 43					\$104,900	

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount		
7. Acquisition Consultant Fee		0	x	\$20,000	=	0
TOTAL PHASE 42					\$0	

RELOCATION COSTS (PHASE 45)				Number	Amount
Replacement Housing					
8. Owner	\$20,000	x	0	=	0
9. Tenant	\$10,000	x	0	=	0
Move Costs					
0. Residential	\$1,500	x	0	=	0
1. Business/Farm	\$20,000	x	0	=	0
2. Personal Property	\$2,000	x	0	=	0
3. (Lines 28 thru 32)				=	\$0
1. Relocation Services Cost					\$0 (Not in Phase Total)
TOTAL PHASE 45					\$0

TOTAL ESTIMATE				\$119,900
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Appraisal: Mitch Hammer	Signed: <i>Mitch Hammer</i>	Date: 9-30-02
Asst. Dam. : N/A	Signed: _____	Date: _____
Location: N/A	Signed: _____	Date: _____
Overall Review: Mitch Hammer	Signed: <i>Mitch Hammer</i>	Date: 9-30-02

1st Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

MARKS: _____

and site 10A - parcel count incl. with mainline

G-24

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Park Program Update: _____ Gaming 1: _____ Special Purpose: Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #10B	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6.500 =	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0 =	Rate)	Amount	0
3.							
TOTAL PHASE 41							\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000 =	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	Amount	0
6. Court Reporter & Process Servers		75%	0	Parcels	x	500 =	0
7. Expert Witness		75%	0	Parcels	x	30,000 =	0
8. Mediators		60%	0	Parcels	x	2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.			0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts			1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review			0	Parcels	x	5,000 =	0
12.							
TOTAL PHASE 4B							\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	
14. Water Retention & Mit.		22,708	x	130% (0 Parcels w/o R/W Acq)	=	29,520	
15. SUBTOTAL				(Lines 13 & 14)			29,521
16. Admin. Settlements (Factor)		45%	x	30% of Line 15)	=	4,000	
17. Litigation Awards (Factor)		60%	x	70% of Line 15)	=	12,400	
18. Business Damages (Claims)		0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor)		25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels)		0	x	\$10,000)	=	0	
21. Owner CPA Fees (Claims)		0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)		16,400	x	40%)	=	6,600	
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0) x 18,000	=	0	
24. Other Condemn. Costs		0	x	\$500	=	0	
25. SUBTOTAL				(Lines 16 thru 24)	=		23,000
26.							
TOTAL PHASE 43							\$52,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee		0	x	\$20,000			
TOTAL PHASE 42							\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount	
28. Owner		\$20,000	x	0	=	0	
29. Tenant		\$10,000	x	0	=	0	
Move Costs							
30. Residential		\$1,500	x	0	=	0	
31. Business/Farm		\$20,000	x	0	=	0	
32. Personal Property		\$2,000	x	0	=	\$0	
33. (Lines 28 thru 32)							
34. Relocation Services Cost						\$0	(Not in Phase Total)
35.							
36.							
37.							
TOTAL PHASE 45							\$0

TOTAL ESTIMATE \$67,500

Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
Bus. Dam.: n/a	Signed: _____	Date: _____
Relocation: n/a	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
 2nd site 10B - parcel count incl. with parcel 32 mainline (same owner/contiguous)

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he following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	10%
Type B - indicates above average confidence	Year One 1.1000
Type C - indicates below average confidence	Year Two 1.2100
Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

he following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming I: _____ Special Purpose: _____ X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: District Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #10C	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	1	Signs _____ 0
Total Parcels	1	1	Special _____ 0
			Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)	0	0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial					1	Parcels	x	12,000 =	12,000
5. Business Damage CPA Fees Through Trail					0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers					1	Parcels	x	500 =	500
7. Expert Witness	75%	x	1 =		1	Parcels	x	30,000 =	30,000
8. Mediators	75%	x	1 =		1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x	1 =		0	Imprvmt	x	15,000 =	0
10. Miscellaneous Contracts					1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review					1	Parcels	x	5,000 =	5,000
12.									
TOTAL PHASE 4B									\$64,900

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		0	x	130% (0 Parcels w/o R/W Acq)	=	0
15. SUBTOTAL				(Lines 13 & 14)	=	0
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	0	
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	0	
18. Business Damages (Claims	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 18)	0	x	40%)	=	0	
23. Owner Expert Witness (Comm. + Unimp.)	0	x	1) x 18,000	=	18,000	
24. Other Condemn. Costs	1	x	\$600	=	600	
25. SUBTOTAL				(Lines 16 thru 24)	=	28,500
26.						
TOTAL PHASE 43						\$28,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000		
TOTAL PHASE 42					\$20,000

RELOCATION COSTS (PHASE 45)

28. Owner Replacement Housing				Number	Amount
29. Tenant	\$20,000	x	0	=	0
30. Move Costs	\$10,000	x	0	=	0
31. Residential	\$1,500	x	0	=	0
32. Business/Farm	\$20,000	x	0	=	0
33. Personal Property	\$2,000	x	0	=	\$0
34. (Lines 28 thru 32)					
35. Relocation Services Cost					\$0 (Not in Phase Total)
36.					
37.					
TOTAL PHASE 45					\$0

TOTAL ESTIMATE **\$119,900**

Appraisal:	Mitch Hammar	Signed:	<i>[Signature]</i>	Date:	9-30-02
Res. Dam.:		Signed:		Date:	
Relocation:		Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

_____ on site 10C - THITF owned, leased to County for park; parcel count given for land interest by County.

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_____ following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

_____ following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #11A	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6.500 = Rate
2. Indirect Overhead	(Parcels)	0	x 0 = Rate
3.			

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial			Amount
5. Business Damage CPA Fees Through Trail	0	Parcels	x 12,000 = 0
6. Court Reporter & Process Servers	0	Claims	x 19,000 = 0
7. Expert Witness	75%	Parcels	x 500 = 0
8. Mediators	75%	Parcels	x 30,000 = 0
9. Demolition, Asb. Abate., Survey, etc.	50%	Parcels	x 2,400 = 0
10. Miscellaneous Contracts		Imprvmet	x 15,000 = 0
11. Appraisal Fee Review		1 Per Project	x 15,000 = 15,000
12.		0 Parcels	x 5,000 = 0

TOTAL PHASE 4B \$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage	= 0
14. Water Retention & Mit.	23,420	x 130% (0 Parcels w/o R/W Acq)	= 30446
15. SUBTOTAL		(Lines 13 & 14)	30,446
16. Admin. Settlements (Factor)	45%	x 30% of Line 15	= 4,100
17. Litigation Awards (Factor)	60%	x 70% of Line 15	= 12,800
18. Business Damages (Claims)	0	x \$0	= 0
19. Bus. Damages Incrs. (Factor)	25%	x \$	= 0
20. Owner Appr. Fees (Parcels)	0	x \$10,000	= 0
21. Owner CPA Fees (Claims)	0	x \$10,000	= 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	16,900	x 40%	= 6,800
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 0 x 18,000	= 0
24. Other Condemn. Costs	0	x \$500	= 0
25. SUBTOTAL		(Lines 16 thru 24)	23,700

TOTAL PHASE 43 \$54,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	0	x \$20,000	

TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x 0	= 0
29. Tenant	\$10,000	x 0	= 0
Move Costs			
10. Residential	\$1,500	x 0	= 0
11. Business/Farm	\$20,000	x 0	= 0
12. Personal Property	\$2,000	x 0	= 0
13. (Lines 28 thru 32)			\$0
14. Relocation Services Cost			\$0 (Not in Phase Total)

TOTAL PHASE 45 \$0

15.			
16.			
17.			

TOTAL ESTIMATE \$89,100

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Bus. Dam.:		Signed:		Date:	
Relocation:		Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the amount of \$ _____ Date Input Completion Date: _____

REMARKS:
on site 11A - parcel count incl. with parcel 32 mainline

G-27

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6106
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #11B	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	0	Signs _____ 0
			Special _____ 0
Total Parcels	1	0	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500 =	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0 =	Rate)	Amount	0
3.							
TOTAL PHASE 41							0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial				0	Parcels	x	12,000 =	0
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers		75%	x	0 =	0	Parcels	x	500 =
7. Expert Witness		75%	x	0 =	0	Parcels	x	30,000 =
8. Mediators		50%	x	0 =	0	Parcels	x	2,400 =
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts				1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review				0	Parcels	x	5,000 =	0
12.								
TOTAL PHASE 4B							15,000	

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	Amount		Subtotal
14. Water Retention & Mit.		24,248	x	130% (0 Parcels w/o R/W Acq)	=	31522			
15. SUBTOTAL				(Lines 13 & 14)					31,522
16. Admin. Settlements (Factor)		45%	x	30% of Line 15)	=	4,300			
17. Litigation Awards (Factor)		60%	x	70% of Line 15)	=	13,200			
18. Business Damages (Claims)		0	x	\$0)	=	0			
19. Bus. Damages Incrs. (Factor)		25%	x	\$ -)	=	0			
20. Owner Appr. Fees (Parcels)		0	x	\$10,000)	=	0			
21. Owner CPA Fees (Claims)		0	x	\$10,000)	=	0			
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)		17,500	x	40%)	=	7,000			
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0) x 18,000	=	0			
24. Other Condemn. Costs		0	x	\$500	=	0			
25. SUBTOTAL				(Lines 16 thru 24)	=				24,500
26.									
TOTAL PHASE 43							\$56,000		

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee		0	x	\$20,000				
TOTAL PHASE 42							\$0	

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount	
28. Owner		\$20,000	x	0	=	0	
29. Tenant		\$10,000	x	0	=	0	
Move Costs							
30. Residential		\$1,500	x	0	=	0	
31. Business/Farm		\$20,000	x	0	=	0	
32. Personal Property		\$2,000	x	0	=	\$0	
3. (Lines 28 thru 32)							
TOTAL PHASE 45							\$0
4. Relocation Services Cost				\$0		(Not in Phase Total)	
5.							
6.							
7.							
TOTAL ESTIMATE							\$71,000

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Res. Dam.:		Signed:		Date:	
Relocation:		Signed:		Date:	
Overall Review:	Mark Sewyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

and site 118 - parcel count incl. w/with parcel 32 mainline

G-28

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Does to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd	Alternate: SMF #12A	C.E. Sequence: N/A

Project Des. Cobb Rd. Ponds			Estimated Relocates:
Parcels	Gross	Net	Business
Commercial	0	0	Residential
Residential	0	0	Signs
Unimproved	1	0	Special
Total Parcels	1	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	Amount	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000
8. Mediators	75%	x	0	=	0	Parcels	x	2,400
9. Demolition, Ash, Abate., Survey, etc.	50%	x	0	=	0	Parcels	x	15,000
10. Miscellaneous Contracts			1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review			0	Parcels	x	5,000	=	0
12.								

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	Design plan stage	=	Amount	1	Subtotal
14. Water Retention & Mit.		34,823	x	130%	(0 Parcels w/o R/W Acq)	=	Amount	45,270	
15. SUBTOTAL					(Lines 13 & 14)				45,270
16. Admin. Settlements (Factor)	45%	x	30%	of Line 15)	=	Amount	6,100		
17. Litigation Awards (Factor)	60%	x	70%	of Line 15)	=	Amount	19,000		
18. Business Damages (Claims)	0	x	\$0	)	=	Amount	0		
19. Bus. Damages Incrs. (Factor)	25%	x	\$	)	=	Amount	0		
20. Owner Appr. Fees (Parcels)	0	x	\$10,000	)	=	Amount	0		
21. Owner CPA Fees (Claims)	0	x	\$10,000	)	=	Amount	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	25,100	x	40%	)	=	Amount	10,000		
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0	x	18,000	=	Amount	0	
24. Other Condemn. Costs	0	x	\$500		=	Amount	0		
25. SUBTOTAL					(Lines 16 thru 24)				35,100
26.									

Design contingency for design plan stage:
 (1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee		0	x	\$20,000		Amount		
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RELOCATION COSTS (PHASE 45)

8. Owner Replacement Housing		\$20,000	x	0	Number	=	Amount	0
9. Tenant Move Costs		\$10,000	x	0	Number	=	Amount	0
0. Residential		\$1,500	x	0	Number	=	Amount	0
1. Business/Farm		\$20,000	x	0	Number	=	Amount	0
2. Personal Property		\$2,000	x	0	Number	=	Amount	\$0
3. (Lines 28 thru 32)								
4. Relocation Services Cost					\$0 (Not in Phase Total)			

TOTAL ESTIMATE (All Phases) **\$95,400**

Appraisal: Mitch Hammer Signed: *[Signature]* Date: 9-30-02
 Relocation: N/A Signed: *[Signature]* Date: 9-30-02
 Overall Review: Mark Sawyer Signed: *[Signature]* Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

and site 12A - parcel count incl. with mainline parcel 34

G-29

Following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	Year One 10%
Type B - indicates above average confidence	Year Two 1.1000
Type C - indicates below average confidence	Year Three 1.2100
Type D - indicates the least or no confidence	Year Four 1.3310
	Year Five 1.4641
	Year Five 1.6105

Following indicates the Department's purpose for this estimate:
 Park Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Does to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPA#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd	Alternate: SMF #12B	C.E. Sequence: N/A

Project Des. Cobb Rd. Ponds			
Parcels	Gross	Net	
Commercial	0	0	
Residential	0	0	
Unimproved	1	1	
Total Parcels	1	1	

Estimated Relocates:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	1	x 6,500 = Rate) Amount 6,500
2. Indirect Overhead	(Parcels)	1	x 0 = Rate) Amount 0
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		1	Parcels x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		1	Parcels x 500 = 500
7. Expert Witness	75%	1	Parcels x 30,000 = 30,000
8. Mediators	75%	1	Parcels x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	1	Imprvmet x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		31,019	x 130% (0 Parcels w/o R/W Acq) = 40325
15. SUBTOTAL			(Lines 13 & 14) 40,324
16. Admin. Settlements (Factor)	45%	x 30% of Line 15	= 5,400
17. Litigation Awards (Factor)	60%	x 70% of Line 15	= 16,900
18. Business Damages (Claims)	0	x \$0	= 0
19. Bus. Damages Incrs. (Factor)	25%	x \$	= 0
20. Owner Appr. Fees (Parcels)	1	x \$10,000	= 10,000
21. Owner CPA Fees (Claims)	0	x \$10,000	= 0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	22,300	x 40%	= 8,900
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 1 x 18,000	= 18,000
24. Other Condemn. Costs	1	x \$500	= 500
25. SUBTOTAL			(Lines 16 thru 24) 59,700
26.			
TOTAL PHASE 43			\$100,000

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	1	x \$20,000	
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x 0	= 0
29. Tenant	\$10,000	x 0	= 0
Move Costs			
10. Residential	\$1,500	x 0	= 0
11. Business/Farm	\$20,000	x 0	= 0
12. Personal Property	\$2,000	x 0	= 0
13. (Lines 28 thru 32)			\$0
14. Relocation Services Cost		\$0	(Not in Phase Total)
5.			
6.			
7.			
TOTAL PHASE 45			\$0

TOTAL ESTIMATE			\$191,400
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Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
us. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
on site 12B

G-30

The following indicates the estimator's confidence in the above estimate: _____ Type A - indicates the most confidence _____ Type B - indicates above average confidence _____ Type C - indicates below average confidence _____ Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703203.30 5023
District: Seven
Date: 10-Sep-02
C.E. Sequence: N/A

FM#: 2572991
County: Hernando
State Rd.: Cobb Rd
Project Des.: Cobb Rd. Ponds

Former WPI#: N/A
FAP No.: N/A
Alternate: SMF #12C

Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	0
Total Parcels	1	0

Estimated Relocates:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								0

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

						Amount		
4. Appraisal Fees Through Trail				0	Parcels	x	12,000 = 0	
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000 = 0	
6. Court Reporter & Process Servers				0	Parcels	x	500 = 0	
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000 = 0
8. Mediators	50%	x	0	=	0	Parcels	x	2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000 = 0	
10. Miscellaneous Contracts				1	Per Project	x	15,000 = 15,000	
11. Appraisal Fee Review				0	Parcels	x	5,000 = 0	
12.								0

TOTAL PHASE 4B \$15,000

R/W LAND COSTS (PHASE 43)

						Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130%	* Design plan stage	=	0	
14. Water Retention & Mit.	42,567	x	130%	(0 Parcels w/o R/W Acq)	=	55,337	
15. SUBTOTAL				(Lines 13 & 14)			55,337
16. Admin. Settlements (Factor	45%	x	30%	of Line 15)	=	7,500	
17. Litigation Awards (Factor	60%	x	70%	of Line 15)	=	23,200	
18. Business Damages (Claims	0	x	\$0	)	=	0	
19. Bus. Damages Incrs. (Factor	25%	x	\$	)	=	0	
20. Owner Appr. Fees (Parcels	0	x	\$10,000	)	=	0	
21. Owner CPA Fees (Claims	0	x	\$10,000	)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	30,700	x	40%	)	=	12,300	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0	) x 18,000	=	0	
24. Other Condemn. Costs	0	x	\$500		=	0	
25. SUBTOTAL				(Lines 16 thru 24)	=		43,000
26.							

TOTAL PHASE 43 \$98,300

* Design contingency for design plan stage:

(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000		
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount
28. Owner	\$20,000	x	0 = 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
10. Residential	\$1,500	x	0 = 0
11. Business/Farm	\$20,000	x	0 = 0
12. Personal Property	\$2,000	x	0 = \$0
13. (Lines 28 thru 32)			

TOTAL PHASE 45 \$0

4. Relocation Services Cost \$0 (Not in Phase Total)

5. _____

6. _____

7. _____ (All Phases)

TOTAL ESTIMATE \$113,300

Appraisal: Mitch Hammer Signed: _____ Date: 9-30-02

us. Dam.: N/A Signed: _____ Date: _____

elocation: N/A Signed: _____ Date: _____

Overall Review: Mark Sawyer Signed: _____ Date: 09-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____

Date Input Completion Date: _____

REMARKS:
on site 12C - parcel count incl. with mainline parcel 34

G-31

The following indicates the estimator's confidence in the above estimate:

- _____ Type A - indicates the most confidence
- _____ Type B - indicates above average confidence
- _____ Type C - indicates below average confidence
- _____ Type D - indicates the least or no confidence

Future Value Factors @	
Year One	1.1000
Year Two	1.2100
Year Three	1.3310
Year Four	1.4641
Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #13A	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)		0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	12,000	
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0	
6. Court Reporter & Process Servers		1	Parcels	x	500 =	500	
7. Expert Witness	75%	1	Parcels	x	30,000 =	30,000	
8. Mediators	50%	1	Parcels	x	2,400 =	2,400	
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000 =	0	
10. Miscellaneous Contracts		1	Per Project	x	15,000 =	15,000	
11. Appraisal Fee Review		1	Parcels	x	5,000 =	5,000	
12.							
TOTAL PHASE 4B							\$64,900

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	
14. Water Retention & Mit.		33,179	x	130% (0 Parcels w/o R/W Acq)	=	43,133	
15. SUBTOTAL						43,133	
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	5,800		
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	18,100		
18. Business Damages (Claims	0	x	\$0)	=	0		
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0		
20. Ovnner Appr. Fees (Parcels	1	x	\$10,000)	=	10,000		
21. Ovnner CPA Fees (Claims	0	x	\$10,000)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	23,900	x	40%)	=	9,600		
23. Ovnner Expert Witness (Comm. + Unimp.)	0	+ 1) x	18,000	=	18,000		
24. Other Condemn. Costs	1	x	\$500	=	500		
25. SUBTOTAL						62,000	
26.							
TOTAL PHASE 43							\$105,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000			
TOTAL PHASE 42						\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing						
28. Owner	\$20,000	x	0	=	0	
29. Tenant	\$10,000	x	0	=	0	
Move Costs						
30. Residential	\$1,500	x	0	=	0	
31. Business/Farm	\$20,000	x	0	=	0	
32. Personal Property	\$2,000	x	0	=	0	
3. (Lines 28 thru 32)				=	\$0	
4. Relocation Services Cost			\$0	(Not in Phase Total)		
5.						
6.						
7.						
TOTAL PHASE 45						\$0

(All Phases)						TOTAL ESTIMATE	\$196,500
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Appraisal:	Mitch Hammer	Signed:		Date:	7-30-02
Res. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

and Site 13A.

G-32

The following indicates the estimator's confidence in the above estimate: _____ Type A - indicates the most confidence _____ Type B - indicates above average confidence _____ Type C - indicates below average confidence _____ Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: _____ Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMP#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #13B	C.E. Sequence: N/A

Project Des. Cobb Rd. Ponds	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	2	0	Signs
Total Parcels	2	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail	0	Parcels	x	12,000	=	Amount	0	
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000	=	Amount	0	
6. Court Reporter & Process Servers	75%	Parcels	x	500	=	Amount	0	
7. Expert Witness	75%	Parcels	x	30,000	=	Amount	0	
8. Mediators	50%	Parcels	x	2,400	=	Amount	0	
9. Demolition, Asb. Abate., Survey, etc.		Imprvmt	x	15,000	=	Amount	0	
10. Miscellaneous Contracts		Per Project	x	15,000	=	Amount	15,000	
11. Appraisal Fee Review		Parcels	x	5,000	=	Amount	0	
12.								
TOTAL PHASE 4B								\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0	Amount	Subtotal	
14. Water Retention & Mit.	46,902	x	130% (0 Parcels w/o R/W Acq)	=	60,972			
15. SUBTOTAL			(Lines 13 & 14)				60,972	
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	8,200			
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	25,600			
18. Business Damages (Claims)	0	x	\$0)	=	0			
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0			
20. Owner Appr. Fees (Parcels)	0	x	\$10,000)	=	0			
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0			
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	33,800	x	40%)	=	12,500			
23. Owner Expert Witness (Comm.+ Unimp.)	0	+	0) x 18,000	=	0			
24. Other Condemn. Costs	0	x	\$500	=	0			
25. SUBTOTAL			(Lines 16 thru 24)	=			47,300	
26.								
TOTAL PHASE 43								\$108,300

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000	=	0	Amount		
TOTAL PHASE 42								\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount	
28. Owner	\$20,000	0	0	
29. Tenant	\$10,000	0	0	
Move Costs				
30. Residential	\$1,500	0	0	
31. Business/Farm	\$20,000	0	0	
32. Personal Property	\$2,000	0	\$0	
13. (Lines 28 thru 32)				
14. Relocation Services Cost		\$0	(Not in Phase Total)	
15.				
16.				
17.				
TOTAL PHASE 45				\$0

(All Phases) TOTAL ESTIMATE \$123,300

Appraisal: Mitch Hammer	Signed:	Date: 7-30-02
Ins. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS: _____

_____ and Site 13B; parcels 35 and 36 are counted in mainline.

G-33

The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30.5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #13C	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels	1	x	6,500 = Rate)	6,500
2. Indirect Overhead	(Parcels	1	x	0 = Rate)	0
3.					
				TOTAL PHASE 41	\$6,500

R/W OPS (PHASE 4B)				Amount	
4. Appraisal Fees Through Trail		1	Parcels	x	12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 = 0
6. Court Reporter & Process Servers		1	Parcels	x	500 = 500
7. Expert Witness	75%	x	1	=	1 Parcels x 30,000 = 30,000
8. Mediators	75%	x	1	=	1 Parcels x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x	1	=	1 Imprvmet x 15,000 = 15,000
10. Miscellaneous Contracts			1	Per Project	x 15,000 = 15,000
11. Appraisal Fee Review			1	Parcels	x 5,000 = 5,000
12.					
				TOTAL PHASE 4B	\$79,900

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	= 0
14. Water Retention & Mit.		135,481	x	130% (0 Parcels w/o R/W Acq)	= 176,125
15. SUBTOTAL				(Lines 13 & 14)	176,125
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	23,800
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	74,000
18. Business Damages (Claims)	0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	97,800	x	40%)	=	39,100
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0
24. Other Conleemn. Costs	1	x	500	=	500
25. SUBTOTAL				(Lines 16 thru 24)	147,400
				TOTAL PHASE 43	\$323,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee		1	x	\$20,000	20,000
				TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)				Number	Amount
Replacement Housing					
28. Owner	\$20,000	x	1	=	20,000
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	1	=	1,500
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)					0
34. Relocation Services Cost			\$2,150	(Not in Phase Total)	
				TOTAL PHASE 45	\$21,500

35.					
36.					
37.				(All Phases)	TOTAL ESTIMATE
					\$451,400

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	8-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	Mitch Hammer	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

and Site 13C

G-34

he following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	10%
Type B - indicates above average confidence	Year One 1.1000
Type C - indicates below average confidence	Year Two 1.2100
Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

he following indicates the Department's purpose for this estimate:

ork Program Update: _____ Gaming 1: _____ Special Purpose: _____ Docs to RW: _____

omments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #14A	C.E. Sequence: N/A
Project Des.: U.S. 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	3	1
Total Parcels	3	1
Estimated Relocates:		
Business		0
Residential		0
Signs		0
Special		0
Total Relocates		0

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels	1	x 6.500 = Rate) Amount 6,500
2. Indirect Overhead	(Parcels	1	x 0 = Rate) 0
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		1	Parcels x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		1	Parcels x 500 = 500
7. Expert Witness	75%	1	Parcels x 30,000 = 30,000
8. Mediators	50%	1	Parcels x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		164,903	x 130% (0 Parcels w/o R/W Acq) = 214,374
15. SUBTOTAL			(Lines 13 & 14) = 214,374
16. Admin. Settlements (Factor)	45%		x 30% of Line 15) = 28,900
17. Litigation Awards (Factor)	60%		x 73% of Line 15) = 90,000
18. Business Damages (Claims)	0		x \$0) = 0
19. Bus. Damages Incrs. (Factor)	25%		x \$) = 0
20. Owner Appr. Fees (Parcels)	1		x \$10,000) = 10,000
21. Owner CPA Fees (Claims)	0		x \$10,000) = 0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	118,900		x 40%) = 47,600
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 1 x 18,000 = 18,000
24. Other Condemn. Costs	1		x \$500 = 500
25. SUBTOTAL			(Lines 16 thru 24) = 195,000
26.			
TOTAL PHASE 43			\$409,400

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		1	x \$20,000 = 20,000
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	0 = 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
30. Residential	\$1,500	x	0 = 0
31. Business/Farm	\$20,000	x	0 = 0
32. Personal Property	\$2,000	x	0 = \$0
33. (Lines 28 thru 32)			
34. Relocation Services Cost			\$0 (Not in Phase Total)
15.			
16.			
17.			
TOTAL PHASE 45			\$0

TOTAL ESTIMATE (All Phases) \$500,800

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

ond Site 14A

G-35

he following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

he following indicates the Department's purpose for this estimate:
ork Program Update: _____ Gaming I: _____ Special Purpose: _____ X _____ Does to RW: _____
omments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 2572991	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: Cobb Rd.	Alternate: SMF #14B	C.E. Sequence: N/A
Project Des.: Cobb Rd. Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	2	0	Signs
			Special
Total Parcels	2	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels	0	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial	0	Parcels	x	12,000	=	Amount	0				
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000	=	Amount	0				
6. Court Reporter & Process Servers	0	Parcels	x	500	=	Amount	0				
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000	=	0	
8. Mediators	75%	x	0	=	0	Parcels	x	2,400	=	0	
9. Demolition, Asb. Abate., Survey, etc.	50%	x	0	=	0	Imprvmet	x	15,000	=	0	
10. Miscellaneous Contracts						1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review						0	Parcels	x	5,000	=	0
12.											
TOTAL PHASE 4B											\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	120% * Design plan stage	=	0	Amount	Subtotal
14. Water Retention & Mit.		x	130% (0 Parcels w/o R/W Acq)	=	0		
15. SUBTOTAL			(Lines 13 & 14)		0		
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	0		
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	0		
18. Business Damages (Claims)	0	x	\$0)	=	0		
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0		
20. Owner Appr. Fees (Parcels)	0	x	\$10,000)	=	0		
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0		
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	0	x	40%)	=	0		
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0		
24. Other Condemn. Costs	0	x	\$500	=	0		
25. SUBTOTAL			(Lines 16 thru 24)		0		
26.							
TOTAL PHASE 43							\$0

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	0	x	\$20,000	=	0	Amount	Subtotal
TOTAL PHASE 42							\$0

ELOCATION COSTS (PHASE 45)

Replacement Housing			Number		Amount	
8. Owner	\$20,000	x	0	=	0	
9. Tenant	\$10,000	x	0	=	0	
Move Costs						
0. Residential	\$1,500	x	0	=	0	
1. Business/Farm	\$20,000	x	0	=	0	
2. Personal Property	\$2,000	x	0	=	\$0	
3. (Lines 28 thru 32)						
1. Relocation Services Cost					\$0 (Not in Phase Total)	
5.						
3.						
7.						
TOTAL PHASE 45						\$0

(All Phases) TOTAL ESTIMATE \$16,000

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Asst. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

MARKS: _____

and Site 14B - land areas consist of portions of mainline remainders damaged-out, therefore no additional costs associated

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Following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

Following indicates the Department's purpose for this estimate:
 Mark Program Update: _____ Gaming 1: _____ Special Purpose: Does to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #14C	C.E. Sequence: N/A
Project Des.: U.S. 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	0
Total Parcels	1	0
Estimated Relocates:		
Business		0
Residential		0
Signs		0
Special		0
Total Relocates		0

R/W SUPPORT COSTS (PHASE 41)				Amount		
1. Direct Labor Cost	(Parcels)	0	x	6 500 =	Rate)	0
2. Indirect Overhead	(Parcels)	0	x	0 =	Rate)	0
3.						
TOTAL PHASE 41						\$0

R/W OPS (PHASE 4B)				Amount					
4. Appraisal Fees Through Trial		0	Parcels	x	12,000 =	0			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0			
6. Court Reporter & Process Servers		0	Parcels	x	500 =	0			
7. Expert Witness	75%	x	0 =	0	Parcels	x	30,000 =	0	
8. Mediators	75%	x	0 =	0	Parcels	x	2,400 =	0	
9. Demolition, Asb. Abate., Survey, etc.	50%	x	0 =	0	Imprvmet	x	15,000 =	0	
10. Miscellaneous Contracts					1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review					0	Parcels	x	5,000 =	0
12.									
TOTAL PHASE 4B									\$15,000

R/W LAND COSTS (PHASE 43)				Amount	Subtotal	
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		104,386	x	130% (0 Parcels w/o R/W Acq)	=	135,702
15. SUBTOTAL				(Lines 13 & 14)		135,701
16. Admin. Settlements (Factor)		45%	x	30% of Line 15)	=	18,300
17. Litigation Awards (Factor)		60%	x	70% of Line 15)	=	57,000
18. Business Damages (Claims)		0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor)		25%	x	\$)	=	0
20. Owner Appr. Fees (Parcels)		0	x	\$10,000)	=	0
21. Owner CPA Fees (Claims)		0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)		75,300	x	4%)	=	30,100
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0) x 18,000	=	0
24. Other Condemn. Costs		0	x	\$500	=	0
25. SUBTOTAL				(Lines 16 thru 24)	=	105,400
26.						
TOTAL PHASE 43					\$241,100	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount		
27. Acquisition Consultant Fee		0	x	\$20,000	=	0
TOTAL PHASE 42					\$0	

RELOCATION COSTS (PHASE 45)				Number	Amount	
Replacement Housing						
28. Owner		\$20,000	x	0	=	0
29. Tenant		\$10,000	x	0	=	0
Move Costs						
30. Residential		\$1,500	x	0	=	0
31. Business/Farm		\$20,000	x	0	=	0
32. Personal Property		\$2,000	x	0	=	0
33. (Lines 28 thru 32)					=	\$0
TOTAL PHASE 45					\$0	
4. Relocation Services Cost				\$0	(Not in Phase Total)	
5.						
6.						
7.						
TOTAL ESTIMATE					\$266,100	

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
us. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

_____ and Site 14C

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_____ The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
_____ Type A - indicates the most confidence	10%
_____ Type B - indicates above average confidence	Year One 1.1000
_____ Type C - indicates below average confidence	Year Two 1.2100
_____ Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #16A	C.E. Sequence: N/A

Project Des. U.S. 98 Ponds			
Parcels	Gross	Net	
Commercial	0	0	
Residential	0	0	
Unimproved	1	0	
Total Parcels	1	0	

Estimated Relocates:	
Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6.500 = Rate) Amount 0
2. Indirect Overhead	(Parcels)	0	x 0 = Rate) Amount 0
3.			
TOTAL PHASE 41			\$0

R/W DPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0	Parcels x 12,000 = 0
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		0	Parcels x 500 = 0
7. Expert Witness	75%	0	Parcels x 30,000 = 0
8. Mediators	75%	0	Parcels x 2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		0	Parcels x 5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		16,020	x 130% (0 Parcels w/o R/W Acq) = 20825
15. SUBTOTAL			(Lines 13 & 14) 20,825
16. Admin. Settlements (Factor)	45%		x 30% of Line 15 = 2,800
17. Litigation Awards (Factor)	60%		x 70% of Line 15 = 8,700
18. Business Damages (Claims)	0		x \$0 = 0
19. Bus. Damages Incrs. (Factor)	25%		x \$ = 0
20. Owner Appr. Fees (Parcels)	0		x \$10,000 = 0
21. Owner CPA Fees (Claims)	0		x \$10,000 = 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	11,500		x 40% = 4,600
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 0 x 18,000 = 0
24. Other Condemn. Costs	0		x \$500 = 0
25. SUBTOTAL			(Lines 16 thru 24) 16,100
26.			
TOTAL PHASE 43			\$36,900

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		0	x \$20,000
TOTAL PHASE 42			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	0 = 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
30. Residential	\$1,500	x	0 = 0
31. Business/Farm	\$20,000	x	0 = 0
32. Personal Property	\$2,000	x	0 = \$0
33. (Lines 28 thru 32)			
14. Relocation Services Cost			\$0 (Not in Phase Total)
15.			
16.			
17.			
TOTAL PHASE 45			\$0

Appraisal:	Mitch Hammer	Signed:		Date:	7-20-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-2-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

_____ and Site 16A

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_____	Type A - indicates the most confidence	Future Value Factors @	10%
_____	Type B - indicates above average confidence	Year One	1.1000
_____	Type C - indicates below average confidence	Year Two	1.2100
_____	Type D - indicates the least or no confidence	Year Three	1.3310
		Year Four	1.4641
		Year Five	1.6105

_____ following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____
 Comments: _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #16B	C.E. Sequence: N/A
Project Des.: U.S. 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6.500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	0
8. Mediators	75%	0	Parcels	x	2,400	=	0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels	x	15,000	=	0
10. Miscellaneous Contracts		1	Imprmet	x	15,000	=	15,000
11. Appraisal Fee Review		0	Per Project	x	5,000	=	0
12.			Parcels	x		=	

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0
14. Water Retention & Mit.		19,005	x	130%	(0 Parcels w/o R/W Acq)	=	24,707
15. SUBTOTAL					(Lines 13 & 14)		24,707
16. Admin. Settlements (Factor)	45%		x	30%	of Line 15)	=	3,300
17. Litigation Awards (Factor)	60%		x	70%	of Line 15)	=	10,400
18. Business Damages (Claims)	0		x	\$0	)	=	0
19. Bus. Damages Incrs. (Factor)	25%		x	\$	)	=	0
20. Owner Appr. Fees (Parcels)	0		x	\$10,000	)	=	0
21. Owner CPA Fees (Claims)	0		x	\$10,000	)	=	0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	13,700		x	40%	)	=	5,500
23. Owner Expert Witness (Comm. + Unimp.)	0		+	0	x 18,000	=	0
24. Other Condemn. Costs	0		x	\$500		=	0
25. SUBTOTAL					(Lines 16 thru 24)		19,200

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

17. Acquisition Consultant Fee	0	x	\$20,000				
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RELOCATION COSTS (PHASE 45)

18. Owner Replacement Housing	\$20,000	x	0	=	0
19. Tenant	\$10,000	x	0	=	0
20. Residential Move Costs	\$1,500	x	0	=	0
21. Business/Farm	\$20,000	x	0	=	0
22. Personal Property	\$2,000	x	0	=	\$0
23. (Lines 28 thru 32)					
24. Relocation Services Cost					\$0 (Not in Phase Total)

TOTAL ESTIMATE \$68,900

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 7-30-02
Res. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 7-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

and Site 16B G-39

The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Mark Program Update: _____ Gaming 1: _____ Special Purpose: Does to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #16C	C.E. Sequence: N/A
Project Des.: U.S. 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:	
Commercial	0	0	Business	0
Residential	0	0	Residential	0
Unimproved	2	2	Signs	0
			Special	0
Total Parcels	2	2	Total Relocates	0

RIW SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	2	x	6,500 =	Rate)	Amount	13,000
2. Indirect Overhead	(Parcels	2	x	0 =	Rate)		0
3.							

TOTAL PHASE 41 \$13,000

RIW OPS (PHASE 4B)

4. Appraisal Fees Through Trial		2	Parcels	x	12,000 =	24,000
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers		2	Parcels	x	500 =	1,000
7. Expert Witness	75%	2	Parcels	x	30,000 =	60,000
8. Mediators	75%	2	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	2	Parcels	x	15,000 =	0
10. Miscellaneous Contracts		1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review		1	Parcels	x	5,000 =	5,000
12.						

TOTAL PHASE 4B \$107,400

RIW LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.	36,999	x	130% (0 Parcels w/o RIW Acq)	=	48,098
15. SUBTOTAL			(Lines 13 & 14)		48,098
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	6,500
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	20,200
18. Business Damages (Claims	0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0
20. Owner Appr. Fees (Parcels	2	x	\$10,000)	=	20,000
21. Owner CPA Fees (Claims	0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	26,700	x	40%)	=	10,700
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 2	x 18,000	=	36,000
24. Other Condemn. Costs	2	x	\$500	=	1,000
25. SUBTOTAL			(Lines 16 thru 24)	=	94,400
26.					

TOTAL PHASE 43 \$142,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

RIW ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000		
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TOTAL PHASE 42 \$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)				=	\$0

TOTAL PHASE 45 \$0

15.					
16.					
17.					
			(All Phases)	TOTAL ESTIMATE	\$282,900

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
on Site 16C

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The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPM: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #17A	C.E. Sequence: N/A
Project Des.: U.S. 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	0.500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	0
5. Business Damage CPA Fees Through Trial		0	Claims	x	19,000	=	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	0
8. Mediators	50%	0	Parcels	x	2,400	=	0
9. Demolition, Ash, Abate., Survey, etc.		0	Imprvmet	x	15,000	=	0
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review		0	Parcels	x	5,000	=	0
12.							

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0
14. Water Retention & Mit.		22,316	x	130%	(0 Parcels w/o R/W Acq)	=	29,011
15. SUBTOTAL					(Lines 13 & 14)		29,011
16. Admin. Settlements (Factor)	45%		x	30%	of Line 15)	=	3,900
17. Litigation Awards (Factor)	60%		x	70%	of Line 15)	=	12,200
18. Business Damages (Claims)	0		x	\$0		=	0
19. Bus. Damages Incrs. (Factor)	25%		x	\$		=	0
20. Owner Appr. Fees (Parcels)	0		x	\$10,000		=	0
21. Owner CPA Fees (Claims)	0		x	\$10,000		=	0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	16,100		x	40%		=	6,400
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 0	x 18,000		=	0
24. Other Condemn. Costs	0		x	\$500		=	0
25. SUBTOTAL					(Lines 16 thru 24)		22,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000				
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RELOCATION COSTS (PHASE 45)

Replacement Housing			Number	Amount
28. Owner	\$20,000	x	0	= 0
29. Tenant	\$10,000	x	0	= 0
Move Costs				
30. Residential	\$1,500	x	0	= 0
31. Business/Farm	\$20,000	x	0	= 0
32. Personal Property	\$2,000	x	0	= 0
33. (Lines 28 thru 32)				\$0

34. Relocation Services Cost \$0 (Not in Phase Total)

5. _____
6. _____
7. _____
(All Phases) **TOTAL ESTIMATE \$66,500**

Appraisal: Mitch Hammer Signed: *M Hammer* Date: 9-30-02
 Easement: N/A Signed: _____ Date: _____
 Relocation: N/A Signed: _____ Date: _____
 Overall Review: Mark Sawyer Signed: *M Sawyer* Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
 on Site 17A
 G-41

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Mark Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: U.S. 98	Alternate: SMF #17B	C.E. Sequence: N/A

Project Des. U.S. 98 Ponds			Estimated Relocates:	
Parcels	Gross	Net	Business	0
Commercial	0	0	Residential	0
Residential	0	0	Signs	0
Unimproved	2	2	Special	0
Total Parcels	2	2	Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	2	x	6,500	=	Rate)	Amount	13,000
2. Indirect Overhead	(Parcels)	2	x	0	=	Rate)		0
3.							TOTAL PHASE 41	\$13,000

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		2	Parcels	x	12,000	=	24,000			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0			
6. Court Reporter & Process Servers		2	Parcels	x	500	=	1,000			
7. Expert Witness	75%	x	2	=	2	Parcels	x	30,000	=	60,000
8. Mediators	75%	x	2	=	2	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x	2	=	1	Parcels	x	15,000	=	0
10. Miscellaneous Contracts		0	Imprvmet	x	15,000	=	15,000			
11. Appraisal Fee Review		1	Per Project	x	15,000	=	15,000			
12.		1	Parcels	x	5,000	=	5,000			
							TOTAL PHASE 4B	\$107,400		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	Amount	Subtotal
14. Water Retention & Mit.		37,392	x	130% (0 Parcels w/o R/W Acq)	=	48,610		
15. SUBTOTAL								48,609
16. Admin. Settlements (Factor)	45%	x	30% of Line 15	=	6,600			
17. Litigation Awards (Factor)	60%	x	70% of Line 15	=	20,400			
18. Business Damages (Claims)	0	x	\$0	=	0			
19. Bus. Damages Incrs. (Factor)	25%	x	\$	=	0			
20. Owner Appr. Fees (Parcels)	2	x	\$10,000	=	20,000			
21. Owner CPA Fees (Claims)	0	x	\$10,000	=	0			
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	27,000	x	40%	=	10,800			
23. Owner Expert Witness (Comm. + Unimp.)	0	+	2) x 18,000	=	36,000			
24. Other Condemn. Costs	2	x	\$500	=	1,000			
25. SUBTOTAL								94,800
26.								
							TOTAL PHASE 43	\$143,400

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000	=	20,000			
							TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount		
28. Owner	\$20,000	x	0	=	0			
29. Tenant	\$10,000	x	0	=	0			
Move Costs								
10. Residential	\$1,500	x	0	=	0			
11. Business/Farm	\$20,000	x	0	=	0			
12. Personal Property	\$2,000	x	0	=	0			
13. (Lines 28 thru 32)								
14. Relocation Services Cost					\$0	(Not in Phase Total)		
15.								
16.								
17.								
							TOTAL PHASE 45	\$0

Appraisal:	Mitch Hammer	Signed:	<i>Mitch Hammer</i>	(All Phases)	TOTAL ESTIMATE	\$283,800
Bus. Dam.:	N/A	Signed:		Date:	9-30-02	
Relocation:	N/A	Signed:		Date:		
Overall Review:	Mark Sawyer	Signed:	<i>Mark Sawyer</i>	Date:	9-30-02	

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

Remarks: _____

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The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Work Program Update: _____ Gaming 1: _____ Special Purpose: X _____

Comments: _____ Data to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #18B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Met	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	0	x 6.500 = Rate)	0
2. Indirect Overhead	(Parcels)	0	x 0 = Rate)	0
3.				
TOTAL PHASE 41				\$0

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		0	Parcels x	12,000 = 0
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers		0	Parcels x	500 = 0
7. Expert Witness	75%	0	Parcels x	30,000 = 0
8. Mediators	75%	0	Parcels x	2,400 = 0
9. Demolition, Ash, Abate., Survey, etc.	50%	0	Imprvmet x	15,000 = 0
10. Miscellaneous Contracts		0	Per Project x	15,000 = 0
11. Appraisal Fee Review		0	Parcels x	5,000 = 0
12.				
TOTAL PHASE 4B				\$0

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage	= 0	
14. Water Retention & Mit.		0	x 130% (0 Parcels w/o R/W Acq)	= 0	
15. SUBTOTAL			(Lines 13 & 14)		0
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	= 0	
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	= 0	
18. Business Damages (Claims)	0	x	\$0)	= 0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	= 0	
20. Owner Appr. Fees (Parcels)	0	x	\$10,000)	= 0	
21. Owner CPA Fees (Claims)	0	x	\$10,000)	= 0	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	0	x	40%)	= 0	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	= 0	
24. Other Condemn. Costs	0	x	\$500	= 0	
25. SUBTOTAL			(Lines 16 thru 24)		0
26.					
TOTAL PHASE 43				\$0	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount
27. Acquisition Consultant Fee		0	x \$20,000	= 0
TOTAL PHASE 42				\$0

RELOCATION COSTS (PHASE 45)				Amount
Replacement Housing				
28. Owner	\$20,000	x	0	= 0
29. Tenant	\$10,000	x	0	= 0
Move Costs				
10. Residential	\$1,500	x	0	= 0
11. Business/Farm	\$20,000	x	0	= 0
12. Personal Property	\$2,000	x	0	= 0
13. (Lines 28 thru 32)				= \$0
14. Relocation Services Cost				= \$0 (Not in Phase Total)
15.				
16.				
17.				
TOTAL PHASE 45				\$0

TOTAL ESTIMATE				\$0
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Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
us. Dam.: N/A	Signed: _____	Date: _____
elocation: N/A	Signed: _____	Date: _____
overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

and site 18B - owned by State of Florida

G-44

The following indicates the estimator's confidence in the above estimate: _____ Type A - indicates the most confidence _____ Type B - indicates above average confidence _____ Type C - indicates below average confidence _____ Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming I: _____ Special Purpose: Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #18C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	0	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	€ 500 =	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0 =	Rate)	Amount	0
3.							

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail					Amount	
5. Business Damage CPA Fees Through Trail	0	Parcels	x	12,000 =	0	
6. Court Reporter & Process Servers	0	Claims	x	19,000 =	0	
7. Expert Witness	75%	0	x	500 =	0	
8. Mediators	75%	0	x	30,000 =	0	
9. Demolition, Asb. Abate., Survey, etc.	50%	0	x	2,400 =	0	
10. Miscellaneous Contracts		1	Imprvmet	x	15,000 =	15,000
11. Appraisal Fee Review		1	Per Project	x	15,000 =	15,000
12.		0	Parcels	x	5,000 =	0

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0	
14. Water Retention & Mit.	158,113	x	130% (0 Parcels w/o R/W Acq)	=	205,547	
15. SUBTOTAL			(Lines 13 & 14)		205,547	
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	27,700	
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	86,300	
18. Business Damages (Claims)	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels)	0	x	\$10,000)	=	0	
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	114,000	x	40%)	=	48,600	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0	
24. Other Condemn. Costs	0	x	\$500	=	0	
25. SUBTOTAL			(Lines 16 thru 24)	=	159,600	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000		
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RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount
28. Owner	\$20,000	1	20,000
29. Tenant	\$10,000	0	0
Move Costs			
30. Residential	\$1,500	1	1,500
31. Business/Farm	\$20,000	0	0
32. Personal Property	\$2,000	0	0
3. (Lines 28 thru 32)			\$0
4. Relocation Services Cost		\$2,150	(Not in Phase Total)

TOTAL ESTIMATE \$416,800

Appraised:	Mitch Hammer	Signed:		Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

_____ on site 18C - parcel count incl. in mainline

G-45

The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Futura Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #18D	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	2	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial				1	Parcels	x	12,000	=	12,000	
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers	75%	x	1	=	1	Parcels	x	500	=	500
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000	=	30,000
8. Mediators	50%	x	1	=	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000	=	0	
10. Miscellaneous Contracts				1	Per Project	x	15,000	=	15,000	
11. Appraisal Fee Review				1	Parcels	x	5,000	=	5,000	
12.										
TOTAL PHASE 4B								\$64,900		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0	
14. Water Retention & Mit.		82,312	x	130%	(0 Parcels w/o R/W Acq)	=	107,005	
15. SUBTOTAL					(Lines 13 & 14)		107,005	
16. Admin. Settlements (Factor)	45%	x	30%	of Line 15)	=	14,400		
17. Litigation Awards (Factor)	60%	x	70%	of Line 15)	=	44,900		
18. Business Damages (Claims)	0	x	\$0	)	=	0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$	)	=	0	
20. Owner Appr. Fees (Parcels)	1	x	\$16,000	)	=	10,000	
21. Owner CPA Fees (Claims)	0	x	\$10,000	)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	59,300	x	40%	)	=	23,700	
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1	x 18,000	=	18,000		
24. Other Condemn. Costs	1	x	\$500	)	=	500	
25. SUBTOTAL				(Lines 16 thru 24)	=	111,500		
26.								
TOTAL PHASE 43								\$218,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Data - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000				
TOTAL PHASE 42							\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount	
28. Owner	\$20,000	x	0	=	0		
29. Tenant	\$10,000	x	0	=	0		
Move Costs							
30. Residential	\$1,500	x	0	=	0		
31. Business/Farm	\$20,000	x	0	=	0		
32. Personal Property	\$2,000	x	0	=	\$0		
33. (Lines 28 thru 32)							
34. Relocation Services Cost				\$0	(Not in Phase Total)		
35.							
36.							
37.							
TOTAL PHASE 45							\$0

TOTAL ESTIMATE							\$309,900
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Appraisal: Mitch Hammer	Signed:	Date: 7-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:

Parcel site 18D - parcel 64 count incl. in mainline

G-46

The following indicates the estimator's confidence in the above estimate: _____ Type A - indicates the most confidence _____ Type B - indicates above average confidence _____ Type C - indicates below average confidence _____ Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPL#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #19A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6.500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								0
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trial		0	Claims	x	19,000	=	Amount	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	Amount	0
8. Mediators	75%	0	Parcels	x	2,400	=	Amount	0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels	x	15,000	=	Amount	0
10. Miscellaneous Contracts		0	Imprvmet	x	15,000	=	Amount	0
11. Appraisal Fee Review		1	Per Project	x	15,000	=	Amount	15,000
12.		0	Parcels	x	5,000	=	Amount	0
TOTAL PHASE 4B								\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	Amount	0	Subtotal
14. Water Retention & Mit.		5,349	x	130%	(0 Parcels w/o R/W Acq)	=	Amount	8,254	
15. SUBTOTAL					(Lines 13 & 14)				8,253
16. Admin. Settlements (Factor)	45%		x	30% of Line 15)		=	Amount	1,100	
17. Litigation Awards (Factor)	60%		x	70% of Line 15)		=	Amount	3,500	
18. Business Damages (Claims)		0	x	\$0)		=	Amount	0	
19. Bus. Damages Incrs. (Factor)	25%		x	\$)		=	Amount	0	
20. Owner Appr. Fees (Parcels)		0	x	\$10,000)		=	Amount	0	
21. Owner CPA Fees (Claims)		0	x	\$10,000)		=	Amount	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)		4,600	x	40%)		=	Amount	1,800	
23. Owner Expert Witness (Comm. + Unimp.)		0	x	0) x 18,000		=	Amount	0	
24. Other Condemn. Costs		0	x	\$500		=	Amount	0	
25. SUBTOTAL					(Lines 16 thru 24)			6,400	
26.									
TOTAL PHASE 43								\$14,700	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000					
TOTAL PHASE 42								\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount		
28. Owner	\$20,000	x	0		=	0		
29. Tenant	\$10,000	x	0		=	0		
Move Costs								
30. Residential	\$1,500	x	0		=	0		
31. Business/Farm	\$20,000	x	0		=	0		
32. Personal Property	\$2,000	x	0		=	0		
33. (Lines 28 thru 32)						\$0		
34. Relocation Services Cost				\$0	(Not in Phase Total)			
35.								
36.								
37.								
TOTAL PHASE 45								\$0

Appraisal: Mitch Hammer Signed: [Signature] Date: 9-30-02
 Ins. Dam.: N/A Signed: [Signature] Date: [Signature]
 Relocation: N/A Signed: [Signature] Date: 9-30-02
 Overall Review: Mark Sawyer Signed: [Signature] Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
 on site 19A - parcel count incl. in mainline

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The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Mark Program Update: _____ Gearing 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #19B	C.E. Sequence: N/A

Project Des.: US 98 Ponds			
Parcels	Gross	Net	
Commercial	0	0	
Residential	0	0	
Unimproved	1	1	
Total Parcels	1	1	

Estimated Relocates:	
Business	1
Residential	0
Signs	0
Special	1
Total Relocates	2

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500	=	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0	=	Rate)	0	
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail				1	Parcels	x	12,000	=	12,000	
5. Business Damage CPA Fees Through Trail				1	Claims	x	19,000	=	19,000	
6. Court Reporter & Process Servers				1	Parcels	x	500	=	500	
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000	=	30,000
8. Mediators	60%	x	1	=	1	Parcels	x	2,400	=	2,400
9. Demolition, Ass. Abate., Survey, etc.				0	Improvmnt	x	15,000	=	0	
10. Miscellaneous Contracts				1	Per Project	x	15,000	=	15,000	
11. Appraisal Fee Review				1	Parcels	x	5,000	=	5,000	
12.										
TOTAL PHASE 4B									\$83,900	

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	Amount		Subtotal
14. Water Retention & Mit.		169,148	x	130% (0 Parcels w/o R/W Acq)	=	219,892			
15. SUBTOTAL									219,892
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	29,700				
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	92,400				
18. Business Damages (Claims	1	x	\$0)	=	99,800				
19. Bus. Damages Incrs. (Factor	25%	x	\$ 99,800)	=	25,000				
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	=	10,000				
21. Owner CPA Fees (Claims	1	x	\$10,000)	=	10,000				
22. Defend. Atty Fees (Sum of Lines 18, 17 & 18)	147,100	x	40%)	=	59,800				
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	=	18,000				
24. Other Condemn. Costs	1	x	\$500	=	500				
25. SUBTOTAL									344,200
26.									
TOTAL PHASE 43									\$564,100

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	1	x	\$20,000						
TOTAL PHASE 42									\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount
8. Owner		\$20,000	x	0	=	0
9. Tenant		\$10,000	x	0	=	0
Move Costs						
0. Residential		\$1,500	x	0	=	0
1. Business/Farm		\$20,000	x	1	=	20,000
2. Personal Property		\$2,000	x	1	=	\$2,000
3. (Lines 20 thru 32)						
4. Relocation Services Cost				\$2,200	(Not in Phase Total)	
5.						
6.						
7.						
TOTAL PHASE 45						\$22,000

Appraisal:	Mitch Hammer	Signed:		Date:	7-30-02
Asst. Dir.:	Gerson, Preston, Robinson	Signed:	By attachment	Date:	09/26/2002
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

MARKS: _____

and site 19B

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The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #20A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:	
Commercial	0	0	Business	0
Residential	1	1	Residential	0
Unimproved	2	2	Signs	0
			Special	0
Total Parcels	3	3	Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	3	x	6,500	=	Rate)	Amount	19,500
2. Indirect Overhead	(Parcels)	3	x	0	=	Rate)	0	0
3.								

TOTAL PHASE 41 \$19,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial				3	Parcels	x	12,000	=	36,000	
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers	75%	x	3	=	2	Parcels	x	500	=	1,000
7. Expert Witness	75%	x	3	=	2	Parcels	x	30,000	=	60,000
8. Mediators	50%	x	3	=	2	Parcels	x	2,400	=	4,800
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000	=	0	
10. Miscellaneous Contracts				1	Per Project	x	15,000	=	15,000	
11. Appraisal Fee Review				2	Parcels	x	5,000	=	10,000	
12.										

TOTAL PHASE 4B \$126,800

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0
14. Water Retention & Mit.		28,843	x	130%	(0 Parcels w/o R/W Acq)	=	37,496
15. SUBTOTAL					(Lines 13 & 14)		37,496
16. Admin. Settlements (Factor)	45%	x	30%	of Line 15)	=	5,100	
17. Litigation Awards (Factor)	60%	x	70%	of Line 15)	=	15,700	
18. Business Damages (Claims)	0	x	\$0	)	=	0
19. Bus. Damages Incrs. (Factor)	25%	x	\$	-)	=	0	
20. Owner Appr. Fees (Parcels)	2	x	\$10,000	)	=	20,000
21. Owner CPA Fees (Claims)	0	x	\$10,000	)	=	0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	20,800	x	40%	)	=	8,300
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 2	x 18,000	)	=	36,000
24. Other Condemn. Costs	3	x	\$500	)	=	1,500
25. SUBTOTAL				(Lines 16 thru 24)	=	86,600	
26.							

TOTAL PHASE 43 \$124,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	2	x	\$20,000		
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TOTAL PHASE 42 \$40,000

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number	Amount
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	\$0
33. (Lines 28 thru 32)					
34. Relocation Services Cost				\$0	(Not in Phase Total)
35.					
36.					
37.					

TOTAL PHASE 45 \$0

TOTAL ESTIMATE \$310,400

Appraisal: Mitch Hammer	Signed: <u>Mitch Hammer</u>	Date: 9-30-02
3us. Dem.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <u>Mark Sawyer</u>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
bond site 20A

G-49

he following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

he following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #208	C.E. Sequence: N/A

Project Des. US 98 Ponds			Estimated Relocatees:
Parcels	Gross	Net	Business
Commercial	0	0	Residential
Residential	0	0	Signs
Unimproved	2	2	Special
Total Parcels	2	2	Total Relocatees

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	2	x	6,500	=	Rate)	Amount	13,000	
2. Indirect Overhead	(Parcels	2	x	0	=	Rate)	0		
3.									
								TOTAL PHASE 41	\$13,000

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		2	Parcels	x	12,000	=	24,000		
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0		
6. Court Reporter & Process Servers		2	Parcels	x	500	=	1,000		
7. Expert Witness	75%	2	Parcels	x	30,000	=	60,000		
8. Mediators	75%	2	Parcels	x	2,400	=	2,400		
9. Demolition, Asb. Abate., Survey, etc.	50%	2	Parcels	x	15,000	=	0		
10. Miscellaneous Contracts		0	Imprvmet	x	15,000	=	15,000		
11. Appraisal Fee Review		1	Per Project	x	5,000	=	5,000		
12.									
								TOTAL PHASE 4B	\$107,400

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0		
14. Water Retention & Mit.		18,560	x	130%	(0 Parcels w/o R/W Acq)	=	24,128		
15. SUBTOTAL					(Lines 13 & 14)		24,128		
16. Admin. Settlements (Factor	45%	x	30%	of Line 15)	=	3,300			
17. Litigation Awards (Factor	60%	x	70%	of Line 15)	=	10,100			
18. Business Damages (Claims	0	x	\$0	)	=	0		
19. Bus. Damages Incrs. (Factor	25%	x	\$	)	=	0		
20. Owner Appr. Fees (Parcels	2	x	\$10,000	)	=	20,000		
21. Owner CPA Fees (Claims	0	x	\$10,000	)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	13,400	x	40%	)	=	5,400		
23. Owner Expert Witness (Comm. + Unimp.)	0	+	2	x	18,000	=	36,000		
24. Other Condemn. Costs	2	x	\$500		=	1,000			
25. SUBTOTAL					(Lines 16 thru 24)		75,800		
26.									
								TOTAL PHASE 43	\$99,900

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

17. Acquisition Consultant Fee	1	x	\$20,000						
								TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing									
18. Owner	\$20,000	x	0	=	0				
19. Tenant	\$10,000	x	0	=	0				
Move Costs									
20. Residential	\$1,500	x	0	=	0				
21. Business/Farm	\$20,000	x	0	=	0				
22. Personal Property	\$2,000	x	0	=	\$0				
23. (Lines 28 thru 32)									
24. Relocation Services Cost					\$0	(Not in Phase Total)			
25.									
26.									
27.									
								TOTAL PHASE 45	\$0

TOTAL ESTIMATE (All Phases) **\$240,300**

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 8-30-02
Bus. Dam.: N/A	Signed: <i>[Signature]</i>	Date: 8-30-02
Relocation: N/A	Signed: <i>[Signature]</i>	Date: 8-30-02
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 8-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
on site 20B

G-50

The following indicates the estimator's confidence in the above estimates:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming I: _____ Special Purpose: _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA: 4050171	Former WPM: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #21A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500	=	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0	=	Rate)	0	
3.								

R/W DPS (PHASE 4B)

4. Appraisal Fees Through Trial		1	Parcels	x	12,000	=	12,000
5. Business Damage CPA Fees Through Trial		0	Claims	x	19,000	=	0
6. Court Reporter & Process Servers		1	Parcels	x	500	=	500
7. Expert Witness	75%	1	Parcels	x	30,000	=	30,000
8. Mediators	50%	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000	=	0
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review		1	Parcels	x	5,000	=	5,000
12.							

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		33,512	x	130% (0 Parcels w/o R/W Acq)	=	43,565
15. SUBTOTAL				(Lines 13 & 14)		43,565
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	5,900	
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	18,300	
18. Business Damages (Claims	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	24,200	x	70%)	=	9,700	
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 0	x 18,000	=	0	
24. Other Condemn. Costs	1	x	\$500	=	500	
25. SUBTOTAL			(Lines 16 thru 24)	=	44,400	

Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Data - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000		
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RELOCATION COSTS (PHASE 45)

Replacement Housing			Number		Amount
8. Owner	\$20,000	x	0	=	0
9. Tenant	\$10,000	x	0	=	0
Move Costs					
0. Residential	\$1,500	x	0	=	0
1. Business/Farm	\$20,000	x	0	=	0
2. Personal Property	\$2,000	x	0	=	0
3. (Lines 28 thru 32)				=	\$0
4. Relocation Services Cost			\$0	(Not in Phase Total)	

TOTAL ESTIMATE (All Phases) **\$179,400**

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
us. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
and site 21A

G-51

Following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

Following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #21B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:	
Commercial	0	0	Business	0
Residential	1	1	Residential	0
Unimproved	1	1	Signs	0
Total Parcels	2	2	Special	0
			Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	2	x	6,500	=	Rate)	Amount	13,000
2. Indirect Overhead	(Parcels)	2	x	0	=	Rate)		0
3.								
TOTAL PHASE 41								\$13,000

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial				2	Parcels	x	12,000	=	24,000	
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers				2	Parcels	x	500	=	1,000	
7. Expert Witness	75%	x	2	=	2	Parcels	x	30,000	=	60,000
8. Mediators	75%	x	2	=	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x	2	=	0	imprvmet	x	15,000	=	0
10. Miscellaneous Contracts					1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review					1	Parcels	x	5,000	=	5,000
12.										
TOTAL PHASE 4B								\$107,400		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0	
14. Water Retention & Mit.		25,100	x	130%	(0 Parcels w/o R/W Acq)	=	32,630	
15. SUBTOTAL					(Lines 13 & 14)		32,630	
16. Admin. Settlements (Factor)	45%	x	30%	of Line 15)	=	4,400		
17. Litigation Awards (Factor)	60%	x	70%	of Line 15)	=	13,700		
18. Business Damages (Claims)	0	x	\$0		=	0		
19. Bus. Damages Incrs. (Factor)	25%	x	\$		=	0		
20. Owner Appr. Fees (Parcels)	2	x	\$10,000		=	20,000		
21. Owner CPA Fees (Claims)	0	x	\$10,000		=	0		
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	18,100	x	40%		=	7,200		
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 1	x 18,000		=	18,000		
24. Other Condemn. Costs	2	x	\$500		=	1,000		
25. SUBTOTAL				(Lines 16 thru 24)	=	64,300		
26.								
TOTAL PHASE 43								\$96,900

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000					
TOTAL PHASE 42								\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing			Number	Amount				
28. Owner	\$20,000	x	0	=	0			
29. Tenant	\$10,000	x	0	=	0			
Move Costs								
30. Residential	\$1,500	x	0	=	0			
31. Business/Farm	\$20,000	x	0	=	0			
32. Personal Property	\$2,000	x	0	=	\$0			
33. (Lines 28 thru 32)								
14. Relocation Services Cost			\$0	(Not in Phase Total)				
15.								
16.								
17.								
TOTAL PHASE 45								\$0

TOTAL ESTIMATE (All Phases) **\$237,300**

Appraisal: Mitch Hammer	Signed: <i>Mitch Hammer</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>Mark Sawyer</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS: _____

_____ on site 21B

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The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #21C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels	0	x	0	=	Rate)	Amount	0
3.								

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	Amount	0
6. Court Reporter & Process Servers		0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000
8. Mediators	50%	x	0	=	0	Parcels	x	2,400
9. Demolition, Asb. Abate., Survey, etc.			0	Imprvmet	x	15,000	=	0
10. Miscellaneous Contracts			1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review			0	Parcels	x	5,000	=	0
12.								

TOTAL PHASE 4B \$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	Amount	0	Subtotal
14. Water Retention & Mit.		29,358	x	130%	(0 Parcels w/o R/W Acq)	=	Amount	38165	
15. SUBTOTAL					(Lines 13 & 14)				38,165
16. Admin. Settlements (Factor)	45%	x	30%	of Line 15)		=	Amount	5,200	
17. Litigation Awards (Factor)	60%	x	70%	of Line 15)		=	Amount	16,000	
18. Business Damages (Claims)	0	x	\$0			=	Amount	0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$			=	Amount	0	
20. Owner Appr. Fees (Parcels)	0	x	\$10,000			=	Amount	0	
21. Owner CPA Fees (Claims)	0	x	\$10,000			=	Amount	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	21,200	x	40%			=	Amount	8,500	
23. Owner Expert Witness (Comm. + Unimp.)	0	+ 0	x 18,000			=	Amount	0	
24. Other Condemn. Costs	0	x	\$500			=	Amount	0	
25. SUBTOTAL					(Lines 16 thru 24)				29,700
26.									

TOTAL PHASE 43 \$67,900

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000					
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

28. Owner Replacement Housing	\$20,000	x	0	=	Amount	0
29. Tenant	\$10,000	x	0	=	Amount	0
30. Residential Move Costs	\$1,500	x	0	=	Amount	0
31. Business/Farm	\$20,000	x	0	=	Amount	0
32. Personal Property	\$2,000	x	0	=	Amount	\$0
33. (Lines 28 thru 32)						
34. Relocation Services Cost			\$0	(Not in Phase Total)		

TOTAL PHASE 45 \$0

TOTAL ESTIMATE (All Phases) \$82,900

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:

_____ and site 21C

G-53

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA#: 4060171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #22A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	2	2	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	2	2	Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	2	x 6,500 =	Rate) 13,000
2. Indirect Overhead	(Parcels)	2	x 0 =	Rate) 0
3.				
TOTAL PHASE 41				\$13,000

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		2	Parcels x	12,000 = 24,000
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers		2	Parcels x	500 = 1,000
7. Expert Witness	75%	x 2 =	2 Parcels x	30,000 = 60,000
8. Mediators	75%	x 2 =	1 Parcels x	2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	50%	x 2 =	0 Imprvmet x	15,000 = 0
10. Miscellaneous Contracts			1 Per Project x	15,000 = 15,000
11. Appraisal Fee Review			1 Parcels x	5,000 = 5,000
12.				
TOTAL PHASE 4B				\$107,400

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage	= 0	
14. Water Retention & Mit.		33,090	x 130% (0 Parcels w/o R/W Acq)	= 43,016	
15. SUBTOTAL					43,016
16. Admin. Settlements	(Factor)	45%	x 30% of Line 15)	= 5,800	
17. Litigation Awards	(Factor)	60%	x 70% of Line 15)	= 18,100	
18. Business Damages	(Claims)	0	x \$0)	= 0	
19. Bus. Damages Incrs.	(Factor)	25%	x \$)	= 0	
20. Owner Appr. Fees	(Parcels)	2	x \$10,000)	= 20,000	
21. Owner CPA Fees	(Claims)	0	x \$10,000)	= 0	
22. Defend. Atty Fees	(Sum of Lines 18, 17 & 19)	23,900	x 40%)	= 9,600	
23. Owner Expert Witness	(Comm. + Unimp.)	0	+ 0) x 18,000	= 0	
24. Other Condemn. Costs		2	x \$500	= 1,000	
25. SUBTOTAL					54,500
TOTAL PHASE 43					\$97,500

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount
7. Acquisition Consultant Fee		1	x \$20,000	= 20,000
TOTAL PHASE 42				\$20,000

RELOCATION COSTS (PHASE 45)				Amount
Replacement Housing				
8. Owner		\$20,000	x 0	= 0
9. Tenant		\$10,000	x 0	= 0
Move Costs				
10. Residential		\$1,500	x 0	= 0
1. Business/Farm		\$20,000	x 0	= 0
2. Personal Property		\$2,000	x 0	= 0
3. (Lines 28 thru 32)				\$0
TOTAL PHASE 45				\$0

1. Relocation Services Cost	\$0	(Not in Phase Total)	
TOTAL ESTIMATE			\$237,900

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
As. Dam.:	N/A	Signed:		Date:	
Location:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

MARKS: _____

Address: _____

G-54

Following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	10%
Type B - indicates above average confidence	Year One 1.1000
Type C - indicates below average confidence	Year Two 1.2100
Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

Following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMM#: 4050171	Former WPI#: NIA	District: Seven
County: Hernando	FAP No.: NIA	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #22B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6.500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12.000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19.000	=	0	
6. Court Reporter & Process Servers		0	Parcels	x	500	=	0	
7. Expert Witness	75%	x	0	=	0	Parcels	x	30.000 = 0
8. Mediators	50%	x	0	=	0	Parcels	x	2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15.000	=	0	
10. Miscellaneous Contracts		1	Per Project	x	15.000	=	15.000	
11. Appraisal Fee Review		0	Parcels	x	5.000	=	0	
12.								
TOTAL PHASE 4B								\$15.000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	=	Design plan stage	Amount	0	Subtotal
14. Water Retention & Mit.		23,778	x	130%	=	(0 Parcels w/o R/W Acq)	30911		
15. SUBTOTAL						(Lines 13 & 14)		30,911	
16. Admin. Settlements (Factor)	45%	x	30%	=	of Line 15)		4,200		
17. Litigation Awards (Factor)	60%	x	70%	=	of Line 15)		13,000		
18. Business Damages (Claims)	0	x	0	=	(0)		0		
19. Bus. Damages Incrs. (Factor)	25%	x	0	=			0		
20. Owner Appr. Fees (Parcels)	0	x	\$10,000	=			0		
21. Owner CPA Fees (Claims)	0	x	\$10,000	=			0		
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	17,200	x	40%	=			6,900		
23. Owner Expert Witness (Comm. + Unimp.)	0	x	0	=	18,000		0		
24. Other Condemn. Costs	0	x	\$500	=			0		
25. SUBTOTAL					(Lines 16 thru 24)			24,100	
26.									
TOTAL PHASE 43								\$55.000	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000	=				
TOTAL PHASE 42								\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount		
28. Owner	\$20,000	x	0	=	0			
29. Tenant	\$10,000	x	0	=	0			
Move Costs								
30. Residential	\$1,500	x	0	=	0			
31. Business/Farm	\$20,000	x	0	=	0			
32. Personal Property	\$2,000	x	0	=	0			
33. (Lines 28 thru 32)				=	\$0			
34. Relocation Services Cost					\$0	(Not in Phase Total)		
TOTAL PHASE 45								\$0

TOTAL ESTIMATE (All Phases) **\$70.000**

Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

_____ and site 22B

G-55

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #22C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	1	0	Signs
Total Parcels	2	1	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)		0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial	1	Parcels	x	12,000 =	Amount	12,000			
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000 =		0			
6. Court Reporter & Process Servers									
7. Expert Witness	75%	x	1 =	1	Parcels	x	500 =	500	
8. Mediators	50%	x	1 =	1	Parcels	x	30,000 =	30,000	
9. Demolition, Ass. Abate., Survey, etc.					Parcels	x	2,400 =	2,400	
10. Miscellaneous Contracts					Imprvmet	x	15,000 =	0	
11. Appraisal Fee Review					Per Project	x	15,000 =	15,000	
12.					1	Parcels	x	5,000 =	5,000
TOTAL PHASE 4B							\$64,900		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0	Amount		Subtotal
14. Water Retention & Mit.	36,071	x	130% (0 Parcels w/o R/W Acq)	=	46892			
15. SUBTOTAL			(Lines 13 & 14)					46,892
16. Admin. Settlements (Factor)	45%	x	70% of Line 15)	=	6,300			
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	19,700			
18. Business Damages (Claims)	0	x	\$0)	=	0			
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0			
20. Ovwner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000			
21. Ovwner CPA Fees (Claims)	0	x	\$10,000)	=	0			
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	26,000	x	40%)	=	10,400			
23. Ovwner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0			
24. Other Condemn. Costs	1	x	\$500	=	500			
25. SUBTOTAL			(Lines 16 thru 24)	=				46,900
26.								
TOTAL PHASE 43							\$93,800	

Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	1	x	\$20,000			TOTAL PHASE 42	\$20,000
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RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount
8. Owner	\$20,000	x 0	= 0
9. Tenant	\$10,000	x 0	= 0
Move Costs			
0. Residential	\$1,500	x 0	= 0
1. Business/Farm	\$20,000	x 0	= 0
2. Personal Property	\$2,000	x 0	= 0
3. (Lines 28 thru 32)			
TOTAL PHASE 45			\$0

1. Relocation Services Cost \$0 (Not in Phase Total)

TOTAL ESTIMATE \$185,200

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
As. Dam.: N/A	Signed: <i>[Signature]</i>	Date: _____
Location: N/A	Signed: <i>[Signature]</i>	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

MARKS: _____
 nd site 22C _____

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Following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

Following indicates the Department's purpose for this estimate:

Mark Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #23A	C.E. Sequence: N/A

Project Des. US 98 Ponds			Estimated Relocates:	
Parcels	Gross	Net	Business	0
Commercial	0	0	Residential	0
Residential	0	0	Signs	0
Unimproved	1	1	Special	0
Total Parcels	1	1	Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)				
1. Direct Labor Cost	(Parcels)	1	x	6.500 = Rate) Amount 6.500
2. Indirect Overhead	(Parcels)	1	x	0 = Rate) 0
3.				
TOTAL PHASE 41				\$6,500

R/W OPS (PHASE 4B)				
4. Appraisal Fees Through Trial		1	Parcels	x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims	x 19,000 = 0
6. Court Reporter & Process Servers		1	Parcels	x 500 = 500
7. Expert Witness	75%	1	Parcels	x 30,000 = 30,000
8. Mediators	50%	1	Parcels	x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmt	x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project	x 15,000 = 15,000
11. Appraisal Fee Review		1	Parcels	x 5,000 = 5,000
12.				
TOTAL PHASE 4B				\$64,900

R/W LAND COSTS (PHASE 43)				
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage = 0
14. Water Retention & Mit.		20,037	x	130% (0 Parcels w/o R/W Acq) = 26048
15. SUBTOTAL				(Lines 13 & 14) 26,048
16. Admin. Settlements (Factor)	45%	x	30% of Line 15	= 3,500
17. Litigation Awards (Factor)	50%	x	70% of Line 15	= 10,900
18. Business Damages (Claims)	0	x	\$0	= 0
19. Bus. Damages Incrs. (Factor)	25%	x	\$	= 0
20. Owner Appr. Fees (Parcels)	1	x	\$10,000	= 10,000
21. Owner CPA Fees (Claims)	0	x	\$16,000	= 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	14,400	x	40%	= 5,800
23. Owner Expert Witness (Comm. + Unimp.)	0	+	1) x 18,000	= 18,000
24. Other Condemn. Costs	1	x	\$500	= 500
25. SUBTOTAL			(Lines 16 thru 24)	= 48,700
26.				
TOTAL PHASE 43				\$74,700

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				
27. Acquisition Consultant Fee		1	x	\$20,000
TOTAL PHASE 42				\$20,000

RELOCATION COSTS (PHASE 45)				
Replacement Housing				
28. Owner	\$20,000	x	0	= 0
29. Tenant	\$10,000	x	0	= 0
Move Costs				
30. Residential	\$1,500	x	0	= 0
31. Business/Farm	\$20,000	x	0	= 0
32. Personal Property	\$2,000	x	0	= \$0
33. (Lines 28 thru 32)				
34. Relocation Services Cost			\$0	(Not in Phase Total)
35.				
36.				
37.				
TOTAL PHASE 45				\$0

TOTAL ESTIMATE				\$166,100
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Appraisal:	Mitch Hammer	Signed:		Date:	7-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
Pond site 23A

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The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
_____ Type A - indicates the most confidence	Year One	1.1000
_____ Type B - indicates above average confidence	Year Two	1.2100
X _____ Type C - indicates below average confidence	Year Three	1.3310
_____ Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming I: _____ Special Purpose: X _____ Docs to RW: _____
Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #23B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:	
Commercial	0	0	Business	0
Residential	0	0	Residential	0
Unimproved	3	1	Signs	0
			Special	0
Total Parcels	3	1	Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	0	
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial				1	Parcels	x	12,000	=	12,000	
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers	75%	x	1	=	1	Parcels	x	500	=	500
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000	=	30,000
8. Mediators	50%	x	1	=	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000	=	0	
10. Miscellaneous Contracts				1	Per Project	x	15,000	=	15,000	
11. Appraisal Fee Review				1	Parcels	x	5,000	=	5,000	
12.										
TOTAL PHASE 4B								\$64,900		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	13% * Design plan stage	=	0	Amount		Subtotal
14. Water Retention & Mit.		31,617	x	130% (0 Parcels w/o R/W Acq)	=	41,101			
15. SUBTOTAL				(Lines 13 & 14)					41,101
16. Admin. Settlements (Factor)	45%	x		30% of Line 15)	=	5,500			
17. Litigation Awards (Factor)	60%	x		70% of Line 15)	=	17,300			
18. Business Damages (Claims)	0	x		\$0)	=	0			
19. Bus. Damages Incrs. (Factor)	25%	x		\$)	=	0			
20. Owner Appr. Fees (Parcels)	1	x		\$10,000)	=	10,000			
21. Owner CPA Fees (Claims)	0	x		\$10,000)	=	0			
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	22,800	x		40%)	=	9,100			
23. Owner Expert Witness (Comm. + Unimp.)	0	+		1) x 18,000	=	18,000			
24. Other Condemn. Costs	1	x		\$500	=	500			
25. SUBTOTAL				(Lines 16 thru 24)	=	60,400			
26.									
TOTAL PHASE 43								\$101,500	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x		\$20,000				
TOTAL PHASE 42								\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount		
28. Owner	\$20,000	x		0	=	0		
29. Tenant	\$10,000	x		0	=	0		
Move Costs								
30. Residential	\$1,500	x		0	=	0		
31. Business/Farm	\$20,000	x		0	=	0		
32. Personal Property	\$2,000	x		0	=	\$0		
33. (Lines 28 thru 32)								
34. Relocation Services Cost						\$0 (Not in Phase Total)		
35.								
36.								
37.								
TOTAL PHASE 45								\$0

(All Phases) TOTAL ESTIMATE \$192,900

Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS: _____

_____ and site 23B

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The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

_____ Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #22-23D	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	2	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)		0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	12,000	
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0	
6. Court Reporter & Process Servers		1	Parcels	x	500 =	500	
7. Expert Witness	75%	1	Parcels	x	30,000 =	30,000	
8. Mediators	50%	1	Parcels	x	2,400 =	2,400	
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000 =	0	
10. Miscellaneous Contracts		1	Per Project	x	15,000 =	15,000	
11. Appraisal Fee Review		1	Parcels	x	5,000 =	5,000	
12.							
TOTAL PHASE 4B							\$64,900

R/W LAND COSTS (PHASE 43)

13. Land Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0	
14. Water Retention & Mit.		60,954	x	130% (0 Parcels w/o R/W Acq)	=	79,240	
15. SUBTOTAL				(Lines 13 & 14)		79,241	
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	10,700		
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	33,300		
18. Business Damages (Claims)	0	x	\$0)	=	0		
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0		
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000		
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	44,000	x	40%)	=	17,600		
23. Owner Expert Witness (Comm.+ Unimp.)	0	+ 18,000		=	0		
24. Other Condemn. Costs	1	x	\$500	=	500		
25. SUBTOTAL			(Lines 16 thru 24)	=	72,100		
26.							
TOTAL PHASE 43							\$151,300

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000			
TOTAL PHASE 42						\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing						
28. Owner	\$20,000	x	0	=	0	
29. Tenant	\$10,000	x	0	=	0	
Move Costs						
30. Residential	\$1,500	x	0	=	0	
31. Business/Farm	\$20,000	x	0	=	0	
32. Personal Property	\$2,000	x	0	=	0	
33. (Lines 28 thru 32)				=	\$0	
34. Relocation Services Cost			\$0	(Not in Phase Total)		
TOTAL PHASE 45						\$0

35.						
36.						
37.						
TOTAL ESTIMATE						\$242,700

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

Pond site 22-23D

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The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
X Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Work Program Update: _____ Gaining 1: _____ Special Purpose: _____ Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #24A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	1	0	Total Relocates

RIW SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	0	x	6,500 =
2. Indirect Overhead	(Parcels)	0	x	0 =
3.				
				TOTAL PHASE 41
				\$0

RIW OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		0	Parcels	x
5. Business Damage CPA Fees Through Trail		0	Claims	x
6. Court Reporter & Process Servers	75%	0	Parcels	x
7. Expert Witness	75%	0	Parcels	x
8. Mediators	50%	0	Parcels	x
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmt	x
10. Miscellaneous Contracts		1	Per Project	x
11. Appraisal Fee Review		0	Parcels	x
12.				
				TOTAL PHASE 4B
				\$15,000

RIW LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=
14. Water Retention & Mit.		83,582	x	130% (0 Parcels w/o R/W Acq)	=
15. SUBTOTAL				(Lines 13 & 14)	
16. Admin. Settlements (Factor)	45%		x	30% of Line 15	=
17. Litigation Awards (Factor)	60%		x	70% of Line 15	=
18. Business Damages (Claims)	0		x	\$0	=
19. Bus. Damages Incrs. (Factor)	25%		x	\$	=
20. Owner Appr. Fees (Parcels)	0		x	\$10,000	=
21. Owner CPA Fees (Claims)	0		x	\$10,000	=
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	60,300		x	40%	=
23. Owner Expert Witness (Comm. + Unimp.)	0		+	0	x
24. Other Condemn. Costs	0		x	\$500	=
25. SUBTOTAL				(Lines 16 thru 24)	=
26.					
				TOTAL PHASE 43	\$193,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

RIW ACQUISITION CONSULTANT (PHASE 42)				Amount
27. Acquisition Consultant Fee		0	x	\$20,000
				TOTAL PHASE 42
				\$0

RELOCATION COSTS (PHASE 45)				Amount
Replacement Housing				
28. Owner		\$20,000	x	0
29. Tenant		\$10,000	x	0
Move Costs				
30. Residential		\$1,500	x	0
31. Business/Farm		\$20,000	x	0
32. Personal Property		\$2,000	x	0
33. (Lines 28 thru 32)				\$0
34. Relocation Services Cost				\$0 (Not in Phase Total)
				TOTAL PHASE 45
				\$0

				(All Phases)	TOTAL ESTIMATE	\$208,100
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Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 7-30-02
Bus. Dam.: N/A	Signed: <i>[Signature]</i>	Date: 9-30-02
Relocation: N/A	Signed: <i>[Signature]</i>	
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:

ond site 24A

G-60

The following indicates the estimator's confidence in the above estimate:		Future Value Factors @	
_____ Type A - indicates the most confidence		Year One	1.1000
_____ Type B - indicates above average confidence		Year Two	1.2100
_____ Type C - indicates below average confidence		Year Three	1.3310
_____ Type D - indicates the least or no confidence		Year Four	1.4641
		Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #24B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	1	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6.500 = Rate
2. Indirect Overhead	(Parcels)	0	x 0 = Rate
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0	Parcels x 12,000 = 0
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers	75%	0	Parcels x 500 = 0
7. Expert Witness	75%	0	Parcels x 30,000 = 0
8. Mediators	50%	0	Parcels x 2,400 = 0
9. Demolition, Ash. Abate., Survey, etc.		0	Imprvmet x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		0	Parcels x 5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		57,371	x 130% (0 Parcels w/o R/W Acq) = 74,582
15. SUBTOTAL			(Lines 13 & 14) = 74,583
16. Admin. Settlements (Factor)	45%		x 30% of Line 15 = 10,100
17. Litigation Awards (Factor)	60%		x 70% of Line 15 = 31,300
18. Business Damages (Claims)	0		x \$0 = 0
19. Bus. Damages Incrs. (Factor)	25%		x \$ = 0
20. Owner Appr. Fees (Parcels)	0		x \$10,000 = 0
21. Owner CPA Fees (Claims)	0		x \$10,000 = 0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	41,400		x 40% = 16,600
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 0 x 18,000 = 0
24. Other Condemn. Costs	0		x \$500 = 0
25. SUBTOTAL			(Lines 16 thru 24) = 58,000
26.			
TOTAL PHASE 43			\$132,600

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		0	x \$20,000 = 0
TOTAL PHASE 42			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	0 = 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
30. Residential	\$1,500	x	0 = 0
31. Business/Farm	\$20,000	x	0 = 0
32. Personal Property	\$2,000	x	0 = 0
33. (Lines 28 thru 32)			
34. Relocation Services Cost			\$0 (Not in Phase Total)
35.			
36.			
37.			
TOTAL PHASE 45			\$0

Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 24B

G-61

The following indicates the estimator's confidence in the above estimate:		Future Value Factors @	10%
_____	Type A - indicates the most confidence	Year One	1.1000
_____	Type B - indicates above average confidence	Year Two	1.2100
X _____	Type C - indicates below average confidence	Year Three	1.3310
_____	Type D - indicates the least or no confidence	Year Four	1.4641
		Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming I: _____ Special Purpose: X Docs to RW: _____
Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #24C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	1	0	Business
Residential	0	0	Residential
Unimproved	2	0	Signs
Total Parcels	3	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels)	0	x	6,500 = Rate)	0
2. Indirect Overhead	(Parcels)	0	x	0 = Rate)	0
3.					
TOTAL PHASE 41					\$0

R/W OPS (PHASE 48)				Amount				
4. Appraisal Fees Through Trial		0	Parcels	x	12,000 =	0		
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0		
6. Court Reporter & Process Servers	75%	x	0 =	0	Parcels	x	500 =	0
7. Expert Witness	75%	x	0 =	0	Parcels	x	30,000 =	0
8. Mediators	50%	x	0 =	0	Parcels	x	2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.			0	Imprmet	x	15,000 =	0	
10. Miscellaneous Contracts			1	Per Project	x	15,000 =	15,000	
11. Appraisal Fee Review			0	Parcels	x	5,000 =	0	
12.								
TOTAL PHASE 48					\$15,000			

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.	65,638	x	130% (0 Parcels w/o R/W Acq)	=	85,329
15. SUBTOTAL			(Lines 13 & 14)		85,330
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	11,500
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	35,800
18. Business Damages (Claims)	0	x	\$0)	=	0
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0
20. Owner Appr. Fees (Parcels)	0	x	\$10,000)	=	0
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	47,300	x	40%)	=	18,900
23. Owner Expert Witness (Comm. + Unimp.)	0	+	0) x 18,000	=	0
24. Other Condemn. Costs	0	x	\$500	=	0
25. SUBTOTAL			(Lines 16 thru 24)	=	66,200
26.					
TOTAL PHASE 43					\$151,500

* Design contingency for design plan stage:
(1) PO&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 26R Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee	0	x	\$20,000	=	0
TOTAL PHASE 42					\$0

RELOCATION COSTS (PHASE 45)				Number	Amount
Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)				=	0
TOTAL PHASE 45					\$0
34. Relocation Services Cost			\$0	(Not in Phase Total)	

35.					
36.					
37.			(All Phases)	TOTAL ESTIMATE	\$166,500

Appraisal:	Mitch Hammer	Signed:		Date:	7-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	7-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 24C

G-62

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming I: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #25A	C.E. Sequence: N/A

Project Des. US 98 Ponds			Estimated Relocates:	
Parcels	Gross	Net	Business	0
Commercial	0	0	Residential	0
Residential	0	0	Signs	0
Unimproved	1	0	Special	0
Total Parcels	1	0	Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	0	
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0	
6. Court Reporter & Process Servers		75%	0	Parcels	x	500	=	0
7. Expert Witness		75%	0	Parcels	x	30,000	=	0
8. Mediators		50%	0	Parcels	x	2,400	=	0
9. Demolition, Asb. Abate., Survey, etc.			0	Imprvmet	x	15,000	=	0
10. Miscellaneous Contracts			1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review			0	Parcels	x	5,000	=	0
12.								

TOTAL PHASE 4B \$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	0
14. Water Retention & Mit.		7,009	x	130%	(0 Parcels w/o R/W Acq)	=	9,112
15. SUBTOTAL					(Lines 13 & 14)		9,112
16. Admin. Settlements (Factor)		45%	x	30%	of Line 15)	=	1,200
17. Litigation Awards (Factor)		60%	x	70%	of Line 15)	=	3,800
18. Business Damages (Claims)		0	x	\$0		=	0
19. Bus. Damages Incrs. (Factor)		25%	x	\$		=	0
20. Owner Appr. Fees (Parcels)		0	x	\$10,000		=	0
21. Owner CPA Fees (Claims)		0	x	\$10,000		=	0
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)		5,000	x	40%		=	2,000
23. Owner Expert Witness (Comm. + Unimp.)		0	+	0	x 18,000	=	0
24. Other Condemn. Costs		0	x	\$500		=	0
25. SUBTOTAL					(Lines 16 thru 24)		7,000
26.							

TOTAL PHASE 43 \$16,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee		0	x	\$20,000			
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount
28. Owner		\$20,000	x	0	=	0
29. Tenant		\$10,000	x	0	=	0
Move Costs						
30. Residential		\$1,500	x	0	=	0
31. Business/Farm		\$20,000	x	0	=	0
32. Personal Property		\$2,000	x	0	=	\$0
33. (Lines 28 thru 32)						
34. Relocation Services Cost				\$0	(Not in Phase Total)	

TOTAL PHASE 45 \$0

35.
36.
37. (All Phases)

TOTAL ESTIMATE \$31,100

Appraisal: Mitch Hammer	Signed: <i>M Hammer</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>M Sawyer</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

Pond site 25A

G-63

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	10%
Type B - indicates above average confidence	Year One 1.1000
Type C - indicates below average confidence	Year Two 1.2100
Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming I: _____ Special Purpose: X Docs to RW: _____
Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPA#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #25B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	1	1	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	0	0	Signs _____ 0
			Special _____ 0
Total Parcels	1	1	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	1	x 6,500 = Rate)	6,500
2. Indirect Overhead	(Parcels)	1	x 0 = Rate)	0
3.				
				TOTAL PHASE 41
				\$6,500

R/W DPS (PHASE 48)				Amount
4. Appraisal Fees Through Trail		1	Parcels x	12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers	75%	1	Parcels x	500 = 500
7. Expert Witness	75%	1	Parcels x	30,000 = 30,000
8. Mediators	50%	1	Parcels x	2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x	15,000 = 0
10. Miscellaneous Contracts		1	Per Project x	15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x	5,000 = 5,000
12.				
				TOTAL PHASE 48
				\$64,900

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage	=	0	
14. Water Retention & Mit.	5,048	x 100% (0 Parcels w/o R/W Acq)	=	7,862	
15. SUBTOTAL		(Lines 13 & 14)			7,862
16. Admin. Settlements (Factor)	45%	x 30% of Line 15)	=	1,100	
17. Litigation Awards (Factor)	60%	x 70% of Line 15)	=	3,300	
18. Business Damages (Claims)	0	x \$0)	=	0	
19. Bus. Damages Incrs. (Factor)	25%	x \$)	=	0	
20. Owner Appr. Fees (Parcels)	1	x \$10,000)	=	10,000	
21. Owner CPA Fees (Claims)	0	x \$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	4,400	x 40%)	=	1,900	
23. Owner Expert Witness (Comm. + Unimp.)	1	+ 0) x 18,000	=	18,000	
24. Other Condemn. Costs	1	x \$500	=	500	
25. SUBTOTAL		(Lines 16 thru 24)	=		34,700
26.					
				TOTAL PHASE 43	\$42,000

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount
27. Acquisition Consultant Fee	1	x \$20,000	=	20,000
				TOTAL PHASE 42
				\$20,000

RELOCATION COSTS (PHASE 45)				Amount
Replacement Housing				
28. Owner	\$20,000	x 0	=	0
29. Tenant	\$10,000	x 0	=	0
Move Costs				
30. Residential	\$1,500	x 0	=	0
31. Business/Farm	\$20,000	x 0	=	0
32. Personal Property	\$2,000	x 0	=	0
33. (Lines 28 thru 32)			=	\$0
34. Relocation Services Cost			=	\$0 (Not in Phase Total)
35.				
36.				
37.				
				TOTAL PHASE 45
				\$0

TOTAL ESTIMATE **\$134,000**

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 7-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 25B

G-64

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	10%
Type B - indicates above average confidence	Year One 1.1000
Type C - indicates below average confidence	Year Two 1.2100
Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #26A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	1	0	Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6.00 = Rate) Amount
2. Indirect Overhead	(Parcels)	0	x 0 = Rate) Amount
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0	Parcels x 12,000 = Amount
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		0	Parcels x 500 = 0
7. Expert Witness	75%	0	Parcels x 30,000 = 0
8. Mediators	75%	0	Parcels x 2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		0	Parcels x 5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		22,180	x 1.0% (0 Parcels w/o R/W Acq) = 28834
15. SUBTOTAL			(Lines 13 & 14) 28,834
16. Admin. Settlements (Factor)	45%		x 30% of Line 15) = 3,900
17. Litigation Awards (Factor)	60%		x 70% of Line 15) = 12,100
18. Business Damages (Claims)	0		x \$0 = 0
19. Bus. Damages Incrs. (Factor)	25%		x \$) = 0
20. Owner Appr. Fees (Parcels)	0		x \$10,000 = 0
21. Owner CPA Fees (Claims)	0		x \$10,000 = 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	16,000		x 40% = 6,400
23. Owner Expert Witness (Comm. + Unimp.)	0		+ 0 x 18,000 = 0
24. Other Condemn. Costs	0		+ \$500 = 0
25. SUBTOTAL			(Lines 16 thru 24) 22,400
26.			
TOTAL PHASE 43			\$51,200

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		0	x \$20,000
TOTAL PHASE 42			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	0 = 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
30. Residential	\$1,500	x	0 = 0
31. Business/Farm	\$20,000	x	0 = 0
32. Personal Property	\$2,000	x	0 = \$0
33. (Lines 28 thru 32)			
34. Relocation Services Cost			\$0 (Not in Phase Total)
35.			
36.			
37.			
TOTAL PHASE 45			\$0

Appraisal: Mitch Hammer	Signed: <i>M Hammer</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>M Sawyer</i>	Date: 9-2-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
Pond site 26A

G-65

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	Year One 10%
Type B - indicates above average confidence	Year Two 1.1000
X Type C - indicates below average confidence	Year Three 1.2100
Type D - indicates the least or no confidence	Year Four 1.3310
	Year Five 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #26B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocatees:
Commercial	1	1	Business
Residential	0	0	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	1	Total Relocatees

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels)	1	x	6,500 =	6,500
2. Indirect Overhead	(Parcels)	1	x	0 =	0
3.					
				TOTAL PHASE 41	\$6,500

R/W OPS (PHASE 4B)				Amount			
4. Appraisal Fees Through Trial		1	Parcels	x	12,000 =	12,000	
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0	
6. Court Reporter & Process Servers	75%	x	1	Parcels	x	500 =	500
7. Expert Witness	75%	x	1	Parcels	x	30,000 =	30,000
8. Mediators	50%	x	1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.			0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts			1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review			1	Parcels	x	5,000 =	5,000
12.							
				TOTAL PHASE 4B		\$64,900	

R/W LAND COSTS (PHASE 43)				Amount	Subtotal	
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	1
14. Water Retention & Mit.		12,725	x	130% (0 Parcels w/o R/W Acq)	=	16,543
15. SUBTOTAL				(Lines 13 & 14)		16,543
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	=	2,200	
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	=	6,900	
18. Business Damages (Claims)	0	x	\$0)	=	0	
19. Bus. Damages Incrs. (Factor)	25%	x	\$)	=	0	
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	=	10,000	
21. Owner CPA Fees (Claims)	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 18, 17 & 19)	9,100	x	40%)	=	3,600	
23. Owner Expert Witness (Comm. + Unimp.)	1	+	0) x 18,000	=	18,000	
24. Other Condemn. Costs	1	x	\$500	=	500	
25. SUBTOTAL				(Lines 16 thru 24)		41,200
26.						
				TOTAL PHASE 43		\$57,700

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee		1	x	\$20,000	20,000
				TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)				Amount	
Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	\$0
33. (Lines 28 thru 32)					
34. Relocation Services Cost			\$0	(Not in Phase Total)	
35.					
36.					
37.				(All Phases)	
				TOTAL PHASE 45	\$0

				TOTAL ESTIMATE	\$149,100
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Appraisal: Mitch Hammer	Signed: <i>Mitch</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>MS</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 268

G-66

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
_____ Type A - indicates the most confidence	10%
_____ Type B - indicates above average confidence	Year One 1.1000
X _____ Type C - indicates below average confidence	Year Two 1.2100
_____ Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171 County: Hernando State Rd.: US 98 Project Des.: US 98 Ponds	Former WPI#: N/A FAP No.: N/A Alternate: SMF #25-26D	District: Seven Date: 10-Sep-02 C.E. Sequence: N/A														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Parcels</th> <th style="width:10%;">Gross</th> <th style="width:10%;">Net</th> </tr> <tr> <td>Commercial</td> <td align="right">0</td> <td align="right">0</td> </tr> <tr> <td>Residential</td> <td align="right">0</td> <td align="right">0</td> </tr> <tr> <td>Unimproved</td> <td align="right">1</td> <td align="right">0</td> </tr> <tr> <td>Total Parcels</td> <td align="right">1</td> <td align="right">0</td> </tr> </table>	Parcels	Gross	Net	Commercial	0	0	Residential	0	0	Unimproved	1	0	Total Parcels	1	0	Estimated Relocates: Business _____ 0 Residential _____ 0 Signs _____ 0 Special _____ 0 Total Relocates _____ 0
Parcels	Gross	Net														
Commercial	0	0														
Residential	0	0														
Unimproved	1	0														
Total Parcels	1	0														

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost (Parcels _____ 0 x _____ 6,500 = Rate)			Amount _____ 0
2. Indirect Overhead (Parcels _____ 0 x _____ 0 = Rate)			Amount _____ 0
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial			Amount _____ 0
5. Business Damage CPA Fees Through Trail	0	Parcels x	12,000 = 0
6. Court Reporter & Process Servers	0	Claims x	19,000 = 0
7. Expert Witness	75% x _____ 0 =	0	Parcels x 500 = 0
8. Mediators	75% x _____ 0 =	0	Parcels x 30,000 = 0
9. Demolition, Asb. Abate., Survey, etc.	50% x _____ 0 =	0	Parcels x 2,400 = 0
10. Miscellaneous Contracts		0	Imprvmet x 15,000 = 0
11. Appraisal Fee Review		1	Per Project x 15,000 = 15,000
12.		0	Parcels x 5,000 = 0
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount			Amount	Subtotal
14. Water Retention & Mit.	_____ 0 x _____ 130% * Design plan stage =		_____ 0	
15. SUBTOTAL	_____ 57,923 x _____ 130% (0 Parcels w/o R/W Acq)		_____ 75,300	
(Lines 13 & 14)				
16. Admin. Settlements (Factor	_____ 45% x _____ 30% of Line 15		_____ 10,200	_____ 75,300
17. Litigation Awards (Factor	_____ 60% x _____ 70% of Line 15		_____ 31,600	
18. Business Damages (Claims	_____ 0 x _____ \$0)		_____ 0	
19. Bus. Damages Incr. (Factor	_____ 25% x _____ \$ -)		_____ 0	
20. Owner Appr. Fees (Parcels	_____ 0 x _____ \$10,000)		_____ 0	
21. Owner CPA Fees (Claims	_____ 0 x _____ \$10,000)		_____ 0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	_____ 41,800 x _____ 40%		_____ 16,700	
23. Owner Expert Witnr (Comm.+Unimp.)	_____ 0 + _____ 0) x 18,000		_____ 0	
24. Other Condemn. Costs	_____ 0 x _____ \$500		_____ 0	
25. SUBTOTAL		(Lines 16 thru 24)	_____ 58,500	
26.				
TOTAL PHASE 43			\$133,800	

* Design contingency for design plan stage:
 (1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000	
TOTAL PHASE 42				\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				
28. Owner	\$20,000	x	Number _____ 0	Amount _____ 0
29. Tenant	\$10,000	x	Number _____ 0	Amount _____ 0
Move Costs				
30. Residential	\$1,500	x	Number _____ 0	Amount _____ 0
31. Business/Farm	\$20,000	x	Number _____ 0	Amount _____ 0
32. Personal Property	\$2,000	x	Number _____ 0	Amount _____ \$0
33. (Lines 28 thru 32)				
34. Relocation Services Cost			\$0 (Not in Phase Total)	
35.				
36.				
37.				
TOTAL PHASE 45				\$0

(All Phases) TOTAL ESTIMATE			\$148,800
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Appraisal:	Mitch Hammer	Signed:	Date: 9-30-02
Bus. Dam.:	N/A	Signed: _____	Date: _____
Relocation:	N/A	Signed: _____	Date: _____
Overall Review:	Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

ond site 25-26D

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The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
_____ Type A - Indicates the most confidence	10%
_____ Type B - Indicates above average confidence	Year One 1.1000
_____ Type C - Indicates below average confidence	Year Two 1.2100
_____ Type D - Indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#:	4050171	Former WPI#:	N/A	District:	Seven
County:	Hernando	FAP No.:	N/A	Date:	10-Sep-02
State Rd.:	US 98	Alternate:	SMF #27A	C.E. Sequence	N/A
Project Des.	US 98 Ponds				
Parcels	Gross	Net	Estimated Relocatees:		
Commercial	0	0	Business		0
Residential	0	0	Residential		0
Unimproved	1	0	Signs		0
Total Parcels	1	0	Special		0
			Total Relocatees		0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels	0	x 6,500 = Rate)	0
2. Indirect Overhead	(Parcels	0	x 0 = Rate)	0
3.				
TOTAL PHASE 41				\$0

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		0	Parcels x	12,000 = 0
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers	75%	0	Parcels x	500 = 0
7. Expert Witness	75%	0	Parcels x	30,000 = 0
8. Mediators	50%	0	Parcels x	2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x	15,000 = 0
10. Miscellaneous Contracts		1	Per Project x	15,000 = 15,000
11. Appraisal Fee Review		0	Parcels x	5,000 = 0
12.				
TOTAL PHASE 4B				\$15,000

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage	=	-1	
14. Water Retention & Mit.	23,407	x 130% (0 Parcels w/o R/W Acq)	=	30,429	
15. SUBTOTAL		(Lines 13 & 14)	=		30,429
16. Admin. Settlements (Factor	45%	x 30% of Line 15)	=	4,100	
17. Litigation Awards (Factor	60%	x 70% of Line 15)	=	12,800	
18. Business Damages (Claims	0	x \$0)	=	0	
19. Bus. Damages Incr. (Factor	25%	x \$ -)	=	0	
20. Owner Appr. Fees (Parcels	0	x \$10,000)	=	0	
21. Owner CPA Fees (Claims	0	x \$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	16,900	x 40%)	=	6,800	
23. Owner Expert Witn (Comm.+Unimp.)	0	+ 0) x 18,000	=	0	
24. Other Condemn. Costs	0	x \$500	=	0	
25. SUBTOTAL		(Lines 16 thru 24)	=		23,700
26.					
TOTAL PHASE 43					\$54,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount
27. Acquisition Consultant Fee	0	x \$20,000		0
TOTAL PHASE 42				\$0

RELOCATION COSTS (PHASE 45)				Amount
Replacement Housing				
28. Owner	\$20,000	x 0	=	0
29. Tenant	\$10,000	x 0	=	0
Move Costs				
30. Residential	\$1,500	x 0	=	0
31. Business/Farm	\$20,000	x 0	=	0
32. Personal Property	\$2,000	x 0	=	\$0
33. (Lines 28 thru 32)				
34. Relocation Services Cost	\$0	(Not in Phase Total)		\$0
35.				
36.				
37.				
TOTAL PHASE 45				\$0

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
on site 27A

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The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #27B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocatees:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	1	Signs
			Special
Total Parcels	1	1	Total Relocatees

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost (Parcels)	1	x	6,500 = Rate) Amount
2. Indirect Overhead (Parcels)	1	x	0 = Rate) Amount
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial	1	Parcels	x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail	0	Claims	x 19,000 = 0
6. Court Reporter & Process Servers	1	Parcels	x 500 = 500
7. Expert Witness	1	Parcels	x 30,000 = 30,000
8. Mediators	1	Parcels	x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	0	Imprvmet	x 15,000 = 0
10. Miscellaneous Contracts	1	Per Project	x 15,000 = 15,000
11. Appraisal Fee Review	1	Parcels	x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage = 0
14. Water Retention & Mit.	36,492	x	130% (0 Parcels w/o R/W Acq) = 47,440
15. SUBTOTAL			(Lines 13 & 14) = 47,440
16. Admin. Settlements (Factor)	45%	x	30% of Line 15) = 6,400
17. Litigation Awards (Factor)	60%	x	70% of Line 15) = 19,900
18. Business Damages (Claims)	0	x	\$0 = 0
19. Bus. Damages Incr. (Factor)	25%	x	\$ -) = 0
20. Owner Appr. Fees (Parcels)	1	x	\$10,000) = 10,000
21. Owner CPA Fees (Claims)	0	x	\$10,000) = 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	26,300	x	40%) = 10,500
23. Owner Expert Witnr (Comm.+Unimp.)	0	+	1) x 18,000 = 18,000
24. Other Condemn. Costs	1	x	\$500 = 500
25. SUBTOTAL			(Lines 16 thru 24) = 65,300
26.			
TOTAL PHASE 43			\$112,700

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans -115% (5) 268 Date -110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	1	x	\$20,000
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	Number 0 = Amount 0
29. Tenant	\$10,000	x	0 = 0
Move Costs			
10. Residential	\$1,500	x	0 = 0
11. Business/Farm	\$20,000	x	0 = 0
12. Personal Property	\$2,000	x	0 = \$0
13. (Lines 28 thru 32)			
14. Relocation Services Cost			\$0 (Not in Phase Total)
15.			
16.			
17.			
TOTAL PHASE 45			\$0

(All Phases) TOTAL ESTIMATE \$204,100			
Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>
Bus. Dam.:	N/A	Signed:	
Relocation:	N/A	Signed:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>
Date:		Date:	7-30-02
Date:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

Field site 27B

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The following indicates the estimator's confidence in the above estimate:		Future Value Factors @	
_____ Type A - indicates the most confidence		Year One	1.1000
_____ Type B - indicates above average confidence		Year Two	1.2100
_____ Type C - indicates below average confidence		Year Three	1.3310
_____ Type D - indicates the least or no confidence		Year Four	1.4641
		Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X
 Comments: _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #27	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0 x 6,500 =	Rate) Amount
2. Indirect Overhead	(Parcels)	0 x 0 =	Rate) Amount
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0 Parcels x	12,000 = 0
5. Business Damage CPA Fees Through Trial		0 Claims x	19,000 = 0
6. Court Reporter & Process Servers		0 Parcels x	500 = 0
7. Expert Witness	75% x 0 =	0 Parcels x	30,000 = 0
8. Mediators	75% x 0 =	0 Parcels x	2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.	50% x 0 =	0 Imprvmet x	15,000 = 0
10. Miscellaneous Contracts		1 Per Project x	15,000 = 15,000
11. Appraisal Fee Review		0 Parcels x	5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount			Amount Subtotal
14. Water Retention & Mit.	0 x 130% * Design plan stage =		0
15. SUBTOTAL	24.865 x 130% (0 Parcels w/o R/W Acq)		32325
16. Admin. Settlements (Factor)	45% x 30% of Line 15)		4,400
17. Litigation Awards (Factor)	60% x 70% of Line 15)		13,600
18. Business Damages (Claims)	0 x \$0)		0
19. Bus. Damages Incr: (Factor)	25% x \$ -)		0
20. Owner Appr. Fees (Parcels)	0 x \$10,000)		0
21. Owner CPA Fees (Claims)	0 x \$10,000)		0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	18,000 x 40%)		7,200
23. Owner Expert Witn: (Comm.+Unimp.)	0 + 0) x 18,000		0
24. Other Condemn. Costs	0 x \$500		0
25. SUBTOTAL	(Lines 16 thru 24)		25,200
26.			
TOTAL PHASE 43			\$57,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	0 x \$20,000		TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)			
28. Owner	Replacement Housing	Number	Amount
29. Tenant			
30. Residential	Move Costs		
31. Business/Farm			
32. Personal Property			
33. (Lines 28 thru 32)			
34. Relocation Services Cost		\$0 (Not in Phase Total)	TOTAL PHASE 45 \$0

35.
36.
37.

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-20-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 27C

G-70

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - Indicates the most confidence	Year One 1.1000
Type B - Indicates above average confidence	Year Two 1.2100
Type C - Indicates below average confidence	Year Three 1.3310
Type D - Indicates the least or no confidence	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #28A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	1	Signs _____ 0
			Special _____ 0
Total Parcels	1	1	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels	1	x	6,500 =	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels	1	x	0 =	Rate)		0
3.							
TOTAL PHASE 41							\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial				1	Parcels	x	12,000 =	12,000
5. Business Damage CPA Fees Through Trail				0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers	75%	x	1 =	1	Parcels	x	500 =	500
7. Expert Witness	75%	x	1 =	1	Parcels	x	30,000 =	30,000
8. Mediators	50%	x	1 =	1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.				0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts				1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review				1	Parcels	x	5,000 =	5,000
12.								
TOTAL PHASE 4B							\$64,900	

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage =	0	Amount	Subtotal	
14. Water Retention & Mit.	20,895	x	130% (0 Parcels w/o R/W Acq)	27,164			
15. SUBTOTAL			(Lines 13 & 14)			27,164	
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	3,700			
17. Litigation Awards (Factor	60%	x	70% of Line 15)	11,400			
18. Business Damages (Claims	0	x	\$0)	0			
19. Bus. Damages Incr (Factor	25%	x	\$ -)	0			
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	10,000			
21. Owner CPA Fees (Claims	0	x	\$10,000)	0			
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	15,100	x	40%)	6,000			
23. Owner Expert Witn (Comm.+Unimp.)	0	+	1) x 18,000	18,000			
24. Other Condemn. Costs	1	x	\$500	500			
25. SUBTOTAL			(Lines 16 thru 24)			49,600	
26.							
TOTAL PHASE 43							\$76,800

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans -115% (5) 268 Date -110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	1	x	\$20,000			TOTAL PHASE 42	\$20,000
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RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount	
8. Owner	\$20,000	x 0	= 0	
9. Tenant	\$10,000	x 0	= 0	
Move Costs				
0. Residential	\$1,500	x 0	= 0	
1. Business/Farm	\$20,000	x 0	= 0	
2. Personal Property	\$2,000	x 0	= \$0	
3. (Lines 28 thru 32)				
4. Relocation Services Cost	\$0	(Not in Phase Total)		
5.				
6.				
7.				
TOTAL PHASE 45				\$0

(All Phases) TOTAL ESTIMATE \$168,200

Appraisal: Mitch Hammer Signed: *M Hammer* Date: 9-30-02
 Bus. Dam.: N/A Signed: _____ Date: _____
 Relocation: N/A Signed: _____ Date: _____
 Overall Review: Mark Sawyer Signed: *M Sawyer* Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 28A

G-71

The following indicates the estimator's confidence in the above estimate:

Type A - Indicates the most confidence	Future Value Factors @	10%
Type B - Indicates above average confidence	Year One	1.1000
Type C - Indicates below average confidence	Year Two	1.2100
Type D - Indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #28R	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	0	Residential
Unimproved	1	0	Signs
Total Parcels	2	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0	
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0	
								TOTAL PHASE 41	\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	0			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0			
6. Court Reporter & Process Servers	75%	x	0	=	0	Parcels	x	500	=	0
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000	=	0
8. Mediators	50%	x	0	=	0	Parcels	x	2,400	=	0
9. Demolition, Asb. Abate., Survey, etc.					0	Imprvmet	x	15,000	=	0
10. Miscellaneous Contracts					1	Per Project	x	15,000	=	15,000
11. Appraisal Fee Review					0	Parcels	x	5,000	=	0
								TOTAL PHASE 4B	\$15,000	

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130%	* Design plan stage	=	0		
14. Water Retention & Mit.	15,124	x	130%	(0 Parcels w/o R/W Acq)	=	19661		
15. SUBTOTAL						(Lines 13 & 14)	19,661	
16. Admin. Settlements (Factor	45%	x	30%	of Line 15)	=	2,700		
17. Litigation Awards (Factor	60%	x	70%	of Line 15)	=	8,300		
18. Business Damages (Claims	0	x		50)	=	0		
19. Bus. Damages Incr (Factor	25%	x		\$ -)	=	0		
20. Owner Appr. Fees (Parcels	0	x		\$10,000)	=	0		
21. Owner CPA Fees (Claims	0	x		\$10,000)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	11,000	x	40%	)	=	4,400	
23. Owner Expert Witnr (Comm.+Unimp.)	0	+		0) x 18,000	=	0		
24. Other Condemn. Costs	0	x		\$500	=	0		
25. SUBTOTAL						(Lines 16 thru 24)	15,400	
							TOTAL PHASE 43	\$35,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%


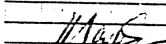

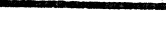
R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000				TOTAL PHASE 42	\$0
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RELOCATION COSTS (PHASE 45)

28. Owner	Replacement Housing	\$20,000	x	Number	0	=	Amount	0
29. Tenant		\$10,000	x	0	=	0		
Move Costs								
30. Residential		\$1,500	x	0	=	0		
31. Business/Farm		\$20,000	x	0	=	0		
32. Personal Property		\$2,000	x	0	=	\$0		
33. (Lines 28 thru 32)								
34. Relocation Services Cost					\$0	(Not in Phase Total)	TOTAL PHASE 45	\$0

(All Phases) TOTAL ESTIMATE \$50,100

Appraisal: Mitch Hammer Signed:  Date: 7-30-02
 Bus. Dam.: N/A Signed:  Date:
 Relocation: N/A Signed:  Date:
 Overall Review: Mark Sawyer Signed:  Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

pond site 28B

G-72

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #28C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	0	Residential
Unimproved	1	0	Signs
			Special
Total Parcels	2	0	Total Relocates
			2

R/W SUPPORT COSTS (PHASE 41)			Amount
1. Direct Labor Cost	(Parcels)	0 x 6,500 =	0
2. Indirect Overhead	(Parcels)	0 x 0 =	0
3.			
			TOTAL PHASE 41
			\$0

R/W OPS (PHASE 4B)			Amount
4. Appraisal Fees Through Trial	0 Parcels	x 12,000 =	0
5. Business Damage CPA Fees Through Trial	0 Claims	x 19,000 =	0
6. Court Reporter & Process Servers	0 Parcels	x 500 =	0
7. Expert Witness	0 Parcels	x 30,000 =	0
8. Mediators	0 Parcels	x 2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.	1 Imprvmet	x 15,000 =	15,000
10. Miscellaneous Contracts	1 Per Project	x 15,000 =	15,000
11. Appraisal Fee Review	0 Parcels	x 5,000 =	0
12.			
			TOTAL PHASE 4B
			\$30,000

R/W LAND COSTS (PHASE 43)			Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage =	0	
14. Water Retention & Mit.	68,905	x 130% (0 Parcels w/o R/W Acq)	89,576	
15. SUBTOTAL		(Lines 13 & 14)		89,576
16. Admin. Settlements (Factor)	45%	x 30% of Line 15)	12,100	
17. Litigation Awards (Factor)	60%	x 70% of Line 15)	37,600	
18. Business Damages (Claims)	0	x \$0)	0	
19. Bus. Damages Incr: (Factor)	25%	x \$ -)	0	
20. Owner Appr. Fees (Parcels)	0	x \$10,000)	0	
21. Owner CPA Fees (Claims)	0	x \$10,000)	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	49,700	x 40%)	19,900	
23. Owner Expert Witn: (Comm.+Unimp.)	0	+ 0) x 18,000	0	
24. Other Condemn. Costs	0	x \$500	0	
25. SUBTOTAL		(Lines 16 thru 24)		69,600
26.				
			TOTAL PHASE 43	\$159,200

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)			Amount
27. Acquisition Consultant Fee	0	x \$20,000	0
			TOTAL PHASE 42
			\$0

RELOCATION COSTS (PHASE 45)			Number	Amount
Replacement Housing				
28. Owner	\$20,000	x	1	= 20,000
29. Tenant	\$10,000	x	0	= 0
Move Costs				
30. Residential	\$1,500	x	1	= 1,500
31. Business/Farm	\$20,000	x	0	= 0
32. Personal Property	\$2,000	x	1	= 2,000
33. (Lines 28 thru 32)				
34. Relocation Services Cost				
			\$2,350	(Not In Phase Total)
35.				
36.				
37.				
			TOTAL PHASE 45	\$23,500

			(All Phases)	TOTAL ESTIMATE	\$212,700
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Appraisal:	Mitch Hammer	Signed:		Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:		Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 28C
 G-73

The following indicates the estimator's confidence in the above estimate:

_____ Type A - indicates the most confidence	Future Value Factors @	10%
_____ Type B - indicates above average confidence	Year One	1.1000
_____ Type C - indicates below average confidence	Year Two	1.2100
_____ Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #29A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business 0
Residential	0	0	Residential 0
Unimproved	2	0	Signs 0
			Special 0
Total Parcels	2	0	Total Relocates 0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels 0 x 6,500 = Rate)			0
2. Indirect Overhead	(Parcels 0 x 0 = Rate)			0
3.				
TOTAL PHASE 41				\$0

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		0 Parcels x	12,000 =	0
5. Business Damage CPA Fees Through Trail		0 Claims x	19,000 =	0
6. Court Reporter & Process Servers	75% x 0 =	0 Parcels x	500 =	0
7. Expert Witness	75% x 0 =	0 Parcels x	30,000 =	0
8. Mediators	50% x 0 =	0 Parcels x	2,400 =	0
9. Demolition, Asb. Abate., Survey, etc.		0 Imprvmet x	15,000 =	0
10. Miscellaneous Contracts		1 Per Project x	15,000 =	15,000
11. Appraisal Fee Review		0 Parcels x	5,000 =	0
12.				
TOTAL PHASE 4B				\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0 x 130% * Design plan stage =		0	
14. Water Retention & Mit.	31,068 x 130% (0 Parcels w/o R/W Acq)		40388	
15. SUBTOTAL		(Lines 13 & 14)		40,389
16. Admin. Settlements (Factor 45% x 30% of Line 15)			5,500	
17. Litigation Awards (Factor 60% x 70% of Line 15)			17,000	
18. Business Damages (Claims 0 x \$0)			0	
19. Bus. Damages Incr (Factor 25% x \$ -)			0	
20. Owner Appr. Fees (Parcels 0 x \$10,000)			0	
21. Owner CPA Fees (Claims 0 x \$10,000)			0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	22,500 x 40%		9,000	
23. Owner Expert Witnr (Comm.+Unimp.)	0 + 0 x 18,000		0	
24. Other Condemn. Costs	0 x \$5v0		0	
25. SUBTOTAL		(Lines 16 thru 24)		31,500
26.				
TOTAL PHASE 43				\$71,900

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	0 x \$20,000		TOTAL PHASE 42
			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000 x 0 =		0
29. Tenant	\$10,000 x 0 =		0
Move Costs			
30. Residential	\$1,500 x 0 =		0
31. Business/Farm	\$20,000 x 0 =		0
32. Personal Property	\$2,000 x 0 =		\$0
33. (Lines 28 thru 32)			
TOTAL PHASE 45			
\$0 (Not in Phase Total)			

TOTAL ESTIMATE				\$86,900
Appraisal: Mitch Hammer	Signed: <i>Mitch</i>	Date: 9-30-02		
Bus. Dam.: N/A	Signed:	Date:		
Relocation: N/A	Signed:	Date:		
Overall Review: Mark Sawyer	Signed: <i>Mark</i>	Date: 9-20-02		

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 29A

G-74

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
Type A - indicates the most confidence	Year One	1.1000
Type B - indicates above average confidence	Year Two	1.2100
Type C - indicates below average confidence	Year Three	1.3310
Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven	Date: 10-Sep-02
County: Hernando	FAP No.: N/A	C.E. Sequence: N/A	
State Rd.: US 98	Alternate: SMF #29B		
Project Des.: US 98 Ponds			

Parcels	Gross	Net		Estimated Relocates:
Commercial	0	0		Business _____ 0
Residential	0	0		Residential _____ 0
Unimproved	1	0		Signs _____ 0
				Special _____ 0
Total Parcels	1	0		Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost (Parcels)	0	x	6,500	=	Rate)	Amount	0	
2. Indirect Overhead (Parcels)	0	x	0	=	Rate)	0	0	
							TOTAL PHASE 41	\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial	0	Parcels	x	12,000	=	Amount	0	
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000	=	0	0	
6. Court Reporter & Process Servers	75%		x	0	=	0	0	
7. Expert Witness	75%		x	0	=	0	0	
8. Mediators	50%		x	0	=	0	0	
9. Demolition, Asb. Abate., Survey, etc.				0		0	0	
10. Miscellaneous Contracts				1	Per Project	15,000	15,000	
11. Appraisal Fee Review				0	Parcels	5,000	0	
							TOTAL PHASE 4B	\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130%	*	Design plan stage	=	0	
14. Water Retention & Mit.	39,641	x	130%		(0 Parcels w/o R/W Acq)	=	51,533	
(Lines 13 & 14)								
15. SUBTOTAL							51,533	
16. Admin. Settlements (Factor)	45%	x	30%		of Line 15)	=	7,000	
17. Litigation Awards (Factor)	60%	x	70%		of Line 15)	=	21,600	
18. Business Damages (Claims)	0	x	\$0			=	0	
19. Bus. Damages Incr: (Factor)	25%	x	\$			=	0	
20. Owner Appr. Fees (Parcels)	0	x	\$10,000			=	0	
21. Owner CPA Fees (Claims)	0	x	\$10,000			=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	28,600	x	40%			=	11,400	
23. Owner Expert Witr (Comm.+Unimp.)	0	+	0	x	18,000	=	0	
24. Other Condamn. Costs	0	x	\$500			=	0	
25. SUBTOTAL					(Lines 16 thru 24)		40,000	
							TOTAL PHASE 43	\$91,500

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	0	x	\$20,000			TOTAL PHASE 42	\$0
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RELOCATION COSTS (PHASE 45)

Replacement Housing							
8. Owner	\$20,000	x	Number	=	Amount	0	
9. Tenant	\$10,000	x	0	=	0	0	
Move Costs							
0. Residential	\$1,500	x	0	=	0	0	
1. Business/Farm	\$20,000	x	0	=	0	0	
2. Personal Property	\$2,000	x	0	=	\$0	\$0	
3. (Lines 28 thru 32)							
4. Relocation Services Cost			\$0		(Not In Phase Total)	TOTAL PHASE 45	\$0

	(All Phases) TOTAL ESTIMATE	\$106,500
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Appraisal: Mitch Hammer	Signed: <i>M. Hammer</i>	Date: 7-30-02
us. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>M. Sawyer</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ in the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 29B
G-75

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
_____ Type A - indicates the most confidence	Year One 1.1000
_____ Type B - indicates above average confidence	Year Two 1.2100
_____ Type C - indicates below average confidence	Year Three 1.3310
_____ Type D - indicates the least or no confidence	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #29C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		
Parcels		Estimated Relocates:
Commercial	Gross Net	Business
Residential		Residential
Unimproved		Signs
		Special
Total Parcels	1 1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost (Parcels)	1	x	6,500 = Rate)	Amount	6,500
2. Indirect Overhead (Parcels)	1	x	0 = Rate)		0
3.					
TOTAL PHASE 41					\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial	1	Parcels	x	12,000 =	12,000
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000 =	0
6. Court Reporter & Process Servers	1	Parcels	x	500 =	500
7. Expert Witness	1	Parcels	x	30,000 =	30,000
8. Mediators	1	Parcels	x	2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.	0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts	1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review	1	Parcels	x	5,000 =	5,000
12.					
TOTAL PHASE 4B					\$64,900

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage =	0	
14. Water Retention & Mit.	71,502	x	130% (0 Parcels w/o R/W Acq)	92,953	
15. SUBTOTAL			(Lines 13 & 14)	92,953	
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	12,500	
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	39,000	
18. Business Damages (Claims)	0	x	\$0)	0	
19. Bus. Damages Incr (Factor)	25%	x	\$ -)	0	
20. Owner Appr. Fees (Parcels)	1	x	\$10,000)	10,000	
21. Owner CPA Fees (Claims)	0	x	\$0,000)	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	51,500	x	40%)	20,600	
23. Owner Expert Witni (Comm.+Unimp.)	0	+	1) x 18,000	18,000	
24. Other Condemn. Costs	1	x	\$500	500	
25. SUBTOTAL			(Lines 16 thru 24)	100,600	
26.					
TOTAL PHASE 43					\$193,600

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans -115% (5) 268 Date -110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	1	x	\$20,000	
TOTAL PHASE 42				\$20,000

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount	
8. Owner	\$20,000	x 0	= 0	
9. Tenant	\$10,000	x 0	= 0	
Move Costs				
0. Residential	\$1,500	x 0	= 0	
1. Business/Farm	\$20,000	x 0	= 0	
2. Personal Property	\$2,000	x 0	= \$0	
3. (Lines 28 thru 32)				
4. Relocation Services Cost			\$0 (Not in Phase Total)	
5.				
6.				
7.				
TOTAL PHASE 45				\$0

(All Phases) TOTAL ESTIMATE

				\$285,000
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Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 7-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
on site 29C

G-76

The following indicates the estimator's confidence in the above estimate:

Type A - Indicates the most confidence	Future Value Factors @	10%
Type B - Indicates above average confidence	Year One	1.1000
Type C - Indicates below average confidence	Year Two	1.2100
Type D - Indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

Form#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #30A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocatees:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	0	Signs _____ 0
			Special _____ 0
Total Parcels	1	0	Total Relocatees _____ 0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost (Parcels)	0	x	6,500 =	Rate)	Amount	0
2. Indirect Overhead (Parcels)	0	x	0 =	Rate)	Amount	0
3.						

TOTAL PHASE 41 \$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial	0	Parcels	x	12,000 =	0	
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000 =	0	
6. Court Reporter & Process Servers	75%	0	x	0 =	0	
7. Expert Witness	75%	0	x	0 =	0	
8. Mediators	50%	0	x	0 =	0	
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000 =	0
10. Miscellaneous Contracts		1	Per Project	x	15,000 =	15,000
1. Appraisal Fee Review		0	Parcels	x	5,000 =	0
2.						

TOTAL PHASE 4B \$15,000

R/W LAND COSTS (PHASE 43)

3. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage =	0
4. Water Retention & Mit.	26,950	x	130% (0 Parcels w/o R/W Acq)	35035
5. SUBTOTAL			(Lines 13 & 14)	35,035
6. Admin. Settlements (Factor	45%	x	30% of Line 15)	4,700
7. Litigation Awards (Factor	60%	x	70% of Line 15)	14,700
8. Business Damages (Claims	0	x	\$0)	0
9. Bus. Damages Incr. (Factor	25%	x	\$ -)	0
10. Owner Appr. Fees (Parcels	0	x	\$10,000)	0
1. Owner CPA Fees (Claims	0	x	\$10,000)	0
2. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	19,400	x	40%)	7,800
3. Owner Expert Wltn. (Comm.+Unimp.)	0	+ 0	x 18,000	0
4. Other Condemn. Costs	0	x	\$500	0
5. SUBTOTAL			(Lines 16 thru 24)	27,200
6.				

TOTAL PHASE 43 \$62,200

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%*

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	0	x	\$20,000	
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TOTAL PHASE 42 \$0

RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount
3. Owner	\$20,000	0	0
3. Tenant	\$10,000	0	0
Move Costs			
1. Residential	\$1,500	0	0
1. Business/Farm	\$20,000	0	0
2. Personal Property	\$2,000	0	\$0
3. (Lines 28 thru 32)			
1. Relocation Services Cost		0	(Not in Phase Total)

TOTAL PHASE 45 \$0

TOTAL ESTIMATE \$77,200

Appraisal:	Mitch Hammer	Signed:	<i>[Signature]</i>	Date:	8-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>[Signature]</i>	Date:	09-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 and site 30A

G-77

The following indicates the estimator's confidence in the above estimate: _____ Type A - Indicates the most confidence _____ Type B - Indicates above average confidence _____ Type C - Indicates below average confidence _____ Type D - Indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #30B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	0
Total Parcels	1	0
Estimated Relocates:		
Business		0
Residential		0
Signs		0
Special		0
Total Relocates		0

R/W SUPPORT COSTS (PHASE 41)				Amount		
1. Direct Labor Cost	(Parcels)	0	x	6,500 =	Rate)	0
2. Indirect Overhead	(Parcels)	0	x	0 =	Rate)	0
3.						
TOTAL PHASE 41						\$0

R/W OPS (PHASE 4B)				Amount					
4. Appraisal Fees Through Trial		0	Parcels	x	12,000 =	0			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000 =	0			
6. Court Reporter & Process Servers	75%	x	0 =	0	Parcels	x	500 =	0	
7. Expert Witness	75%	x	0 =	0	Parcels	x	30,000 =	0	
8. Mediators	50%	x	0 =	0	Parcels	x	2,400 =	0	
9. Demolition, Asb. Abate., Survey, etc.					Imprvmet	x	15,000 =	0	
10. Miscellaneous Contracts					1	Per Project	x	15,000 =	15,000
11. Appraisal Fee Review					0	Parcels	x	5,000 =	0
12.									
TOTAL PHASE 4B						\$15,000			

R/W LAND COSTS (PHASE 43)				Amount	Subtotal	
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage =	0		
14. Water Retention & Mit.	27,269	x	130% (0 Parcels w/o R/W Acq)	35450		
15. SUBTOTAL			(Lines 13 & 14)		35,450	
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	4,800		
17. Litigation Awards (Factor	60%	x	70% of Line 15)	14,900		
18. Business Damages (Claims	0	x	\$0)	0		
19. Bus. Damages Incr. (Factor	25%	x	\$ -)	0		
20. Owner Appr. Fees (Parcels	0	x	\$10,000)	0		
21. Owner CPA Fees (Claims	0	x	\$10,000)	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	19,700	x	40%)	7,900		
23. Owner Expert Witn. (Comm. +Unimp.)	0	x	0) x 18,000	0		
24. Other Condemn. Costs	0	x	\$500	0		
25. SUBTOTAL			(Lines 16 thru 24)		27,600	
26.						
<i>Design contingency for design plan stage:</i>						
<i>(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%</i>						
TOTAL PHASE 43						\$63,000

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount	
27. Acquisition Consultant Fee	0	x	\$20,000	0	
TOTAL PHASE 42					\$0

RELOCATION COSTS (PHASE 45)				Amount	
Replacement Housing					
18. Owner	\$20,000	x	0	=	0
19. Tenant	\$10,000	x	0	=	0
Move Costs					
10. Residential	\$1,500	x	0	=	0
11. Business/Farm	\$20,000	x	0	=	0
12. Personal Property	\$2,000	x	0	=	\$0
13. (Lines 28 thru 32)					
TOTAL PHASE 45					\$0
4. Relocation Services Cost			\$0	(Not in Phase Total)	
5.					
6.					
7.					
(All Phases) TOTAL ESTIMATE					\$78,000

Appraisal: Mitch Hammer	Signed: <i>Mitch</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>MS</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

ond site 30B

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he following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - Indicates the most confidence	10%
Type B - Indicates above average confidence	Year One 1.1000
Type C - Indicates below average confidence	Year Two 1.2100
Type D - Indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

he following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #31A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	1	0	Signs _____ 0
			Special _____ 0
Total Parcels	1	0	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6,500 = Rate
2. Indirect Overhead	(Parcels)	0	x 0 = Rate
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial	0	Parcels	x 12,000 = 0
5. Business Damage CPA Fees Through Trail	0	Claims	x 19,000 = 0
6. Court Reporter & Process Servers	75%	0	Parcels x 500 = 0
7. Expert Witness	75%	0	Parcels x 30,000 = 0
8. Mediators	50%	0	Parcels x 2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x 15,000 = 0
10. Miscellaneous Contracts		1	Per Project x 15,000 = 15,000
11. Appraisal Fee Review		0	Parcels x 5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage =	0
14. Water Retention & Mit.	17,925	x 130% (0 Parcels w/o R/W Acq)	23303
15. SUBTOTAL		(Lines 13 & 14)	23,302
16. Admn. Settlements (Factor	45%	x 30% of Line 15)	3,100
17. Litigation Awards (Factor	60%	x 70% of Line 15)	9,800
18. Business Damages (Claims	0	x \$0)	0
19. Bus. Damages Incr. (Factor	25%	x \$ -)	0
20. Owner Appr. Fees (Parcels	0	x \$10,000)	0
21. Owner CPA Fees (Claims	0	x \$10,000)	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	12,900	x 40%	5,200
23. Owner Expert Witn (Comm.+Unimp.)	0	+ 0) x 18,000	0
24. Other Condemn. Costs	0	x \$500	0
25. SUBTOTAL		(Lines 16 thru 24)	18,100
26.			
TOTAL PHASE 43			\$41,400

*Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans -115% (5) 268 Date -110%*

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	0	x \$20,000	
TOTAL PHASE 42			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x 0	= 0
29. Tenant	\$10,000	x 0	= 0
Move Costs			
30. Residential	\$1,500	x 0	= 0
31. Business/Farm	\$20,000	x 0	= 0
32. Personal Property	\$2,000	x 0	= \$0
3. (Lines 28 thru 32)			
4. Relocation Services Cost		\$0	(Not in Phase Total)
5.			
6.			
7.			
TOTAL PHASE 45			\$0

(All Phases) TOTAL ESTIMATE			\$56,400
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Appraisal: Mitch Hammer	Signed:	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed:	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
on site 31A

G-79

The following indicates the estimator's confidence in the above estimate: _____ Type A - indicates the most confidence _____ Type B - indicates above average confidence _____ Type C - indicates below average confidence _____ Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #31B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	
Residential	0	0	
Unimproved	1	1	
Total Parcels	1	1	

Business	0
Residential	0
Signs	0
Special	0
Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)		
1. Direct Labor Cost	(Parcels) 1 x 6,500 =	Rate) Amount 6,500
2. Indirect Overhead	(Parcels) 1 x 0 =	Rate) Amount 0
3.		
		TOTAL PHASE 41 \$6,500

R/W OPS (PHASE 4B)		
4. Appraisal Fees Through Trail	1 Parcels x 12,000 =	Amount 12,000
5. Business Damage CPA Fees Through Trail	0 Claims x 19,000 =	0
6. Court Reporter & Process Servers	1 Parcels x 500 =	500
7. Expert Witness	75% x 1 = 1 Parcels x 30,000 =	30,000
8. Mediators	50% x 1 = 1 Parcels x 2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.	0 Imprvmet x 15,000 =	0
10. Miscellaneous Contracts	1 Per Project x 15,000 =	15,000
11. Appraisal Fee Review	1 Parcels x 5,000 =	5,000
12.		
		TOTAL PHASE 4B \$64,900

R/W LAND COSTS (PHASE 43)		
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0 x 130% * Design plan stage =	0
14. Water Retention & Mit.	27,143 x 130% (0 Parcels w/o R/W Acq)	35285
15. SUBTOTAL		35,285
16. Admin. Settlements (Factor 45% x 30% of Line 15)		4,800
17. Litigation Awards (Factor 60% x 70% of Line 15)		14,800
18. Business Damages (Claims 0 x \$0)		0
19. Bus. Damages Incr (Factor 25% x \$ -)		0
20. Owner Appr. Fees (Parcels 1 x \$10,000)		10,000
21. Owner CPA Fees (Claims 0 x \$10,000)		0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19) 19,600 x 40%		7,800
23. Owner Expert Witnr (Comm.+Unimp.) 0 + 1 x 18,000		18,000
24. Other Condemn. Costs 1 x \$500		500
25. SUBTOTAL	(Lines 16 thru 24)	55,900
26.		
		TOTAL PHASE 43 \$91,200

Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)		
17. Acquisition Consultant Fee	1 x \$20,000	
		TOTAL PHASE 42 \$20,000

RELOCATION COSTS (PHASE 45)		
Replacement Housing		
18. Owner	\$20,000 x 0 =	0
19. Tenant	\$10,000 x 0 =	0
Move Costs		
20. Residential	\$1,500 x 0 =	0
21. Business/Farm	\$20,000 x 0 =	0
22. Personal Property	\$2,000 x 0 =	\$0
23. (Lines 28 thru 32)		
4. Relocation Services Cost	\$0 (Not in Phase Total)	
		TOTAL PHASE 45 \$0

		(All Phases) TOTAL ESTIMATE \$182,600
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Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 31B
 6-80

The following indicates the estimator's confidence in the above estimate: Type A - Indicates the most confidence Type B - Indicates above average confidence Type C - Indicates below average confidence Type D - Indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
--	---

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #31C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	0	0	Residential
Unimproved	1	0	Signs
Total Parcels	1	0	Special
			Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	0			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0			
6. Court Reporter & Process Servers	75%	x	0	=	0	Parcels	x	500	=	0
7. Expert Witness	75%	x	0	=	0	Parcels	x	30,000	=	0
8. Mediators	50%	x	0	=	0	Parcels	x	2,400	=	0
9. Demolition, Asb. Abate., Survey, etc.			0	Imprvmet	x	15,000	=	0		
10. Miscellaneous Contracts			1	Per Project	x	15,000	=	15,000		
11. Appraisal Fee Review			0	Parcels	x	5,000	=	0		
12.										
TOTAL PHASE 4B								\$15,000		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130% * Design plan stage	=	0
14. Water Retention & Mit.		17,208	x	130% (0 Parcels w/o R/W Acq)	=	22370
15. SUBTOTAL				(Lines 13 & 14)		22,370
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	=	3,000	
17. Litigation Awards (Factor	60%	x	70% of Line 15)	=	9,400	
18. Business Damages (Claims	0	x	\$0)	=	0	
19. Bus. Damages Incr: (Factor	25%	x	\$ -)	=	0	
20. Owner Appr. Fees (Parcels	0	x	\$10,000)	=	0	
21. Owner CPA Fees (Claims	0	x	\$10,000)	=	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	12,400	x	40%)	=	5,000	
23. Owner Expert Witn (Comm.+Unimp.)	0	+ 0	x 18,000	=	0	
24. Other Condemn. Costs	0	x	\$500	=	0	
25. SUBTOTAL				(Lines 16 thru 24)	=	17,400
26.						
TOTAL PHASE 43						\$39,800

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000			
TOTAL PHASE 42						\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing						
28. Owner	\$20,000	x	0	=	0	
29. Tenant	\$10,000	x	0	=	0	
Move Costs						
10. Residential	\$1,500	x	0	=	0	
11. Business/Farm	\$20,000	x	0	=	0	
12. Personal Property	\$2,000	x	0	=	\$0	
13. (Lines 28 thru 32)						
4. Relocation Services Cost			\$0	(Not in Phase Total)		
TOTAL PHASE 45						\$0

(All Phases) TOTAL ESTIMATE \$54,800

Appraisal: Mitch Hammer Signed: _____ Date: 7-20-02
 Bus. Dam.: N/A Signed: _____ Date: _____
 Relocation: N/A Signed: _____ Date: _____
 Overall Review: Mark Sawyer Signed: _____ Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: _____

_____ and site 31C

G-81

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
_____ Type A - indicates the most confidence	Year One	1.1000
_____ Type B - indicates above average confidence	Year Two	1.2100
_____ Type C - indicates below average confidence	Year Three	1.3310
_____ Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:

Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #32A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	0	0
Unimproved	1	0
Total Parcels	1	0
Estimated Relocates:		
Business		0
Residential		0
Signs		0
Special		0
Total Relocates		0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost (Parcels)	0	x	6,500 =	Rate)	Amount	0
2. Indirect Overhead (Parcels)	0	x	0 =	Rate)	Amount	0
3.						
TOTAL PHASE 41						\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial	0	Parcels	x	12,000 =	Amount	0
5. Business Damage CPA Fees Through Trail	0	Claims	x	19,000 =	Amount	0
6. Court Reporter & Process Servers	75%		x	0 =	Amount	0
7. Expert Witness	75%		x	0 =	Amount	0
8. Mediators	50%		x	0 =	Amount	0
9. Demolition, Asb. Abate., Survey, etc.	0	Parcels	x	2,400 =	Amount	0
10. Miscellaneous Contracts	0	Imprvmet	x	15,000 =	Amount	0
11. Appraisal Fee Review	1	Per Project	x	15,000 =	Amount	15,000
12.	0	Parcels	x	5,000 =	Amount	0
TOTAL PHASE 4B						\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage =	0	Amount	0	Subtotal
14. Water Retention & Mit.	20,167	x	130% (0 Parcels w/o R/W Acq)	26217	Amount	26,217	
15. SUBTOTAL							26,217
16. Admin. Settlements (Factor)	45%	x	30% of Line 15)	3,500	Amount		
17. Litigation Awards (Factor)	60%	x	70% of Line 15)	11,000	Amount		
18. Business Damages (Claims)	0	x	\$0)	0	Amount		
19. Bus. Damages Incr. (Factor)	25%	x	\$)	0	Amount		
20. Owner Appr. Fees (Parcels)	0	x	\$10,000)	0	Amount		
21. Owner CPA Fees (Claims)	0	x	\$10,000)	0	Amount		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	14,500	x	40%)	5,800	Amount		
23. Owner Expert Witn. (Comm.+Unimp.)	0	+	0) x 18,000	0	Amount		
24. Other Condemn. Costs	0	x	\$500	0	Amount		
25. SUBTOTAL							20,300
26.							
TOTAL PHASE 43						\$46,500	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans -115% (5) 268 Date -110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000	Amount	0
TOTAL PHASE 42					\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing					
28. Owner	\$20,000	x	Number 0	=	Amount 0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)				=	\$0
34. Relocation Services Cost					\$0 (Not In Phase Total)
35.					
36.					
37.					
TOTAL PHASE 45					\$0

Appraisal:	Mitch Hammer	Signed:	<i>Mitch Hammer</i>	(All Phases)	TOTAL ESTIMATE	\$81,500
Bus. Dam.:	N/A	Signed:		Date:	9-30-02	
Relocation:	N/A	Signed:		Date:		
Overall Review:	Mark Sawyer	Signed:	<i>Mark Sawyer</i>	Date:	9-30-02	

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 32A
 G-82

The following indicates the estimator's confidence in the above estimate:

Type A - Indicates the most confidence	Future Value Factors @	10%
Type B - Indicates above average confidence	Year One	1.1000
Type C - Indicates below average confidence	Year Two	1.2100
Type D - Indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #32B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	1	1
Unimproved	0	0
Total Parcels	1	1

Estimated Relocates:	
Business	0
Residential	1
Signs	0
Special	0
Total Relocates	1

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	1	x 6,500 = Rate) Amount 6,500
2. Indirect Overhead	(Parcels)	1	x 0 = Rate) Amount 0
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		1	Parcels x 12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers	75%	x 1 =	1 Parcels x 500 = 500
7. Expert Witness	75%	x 1 =	1 Parcels x 30,000 = 30,000
8. Mediators	50%	x 1 =	1 Parcels x 2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.			1 Imprvmet x 15,000 = 15,000
10. Miscellaneous Contracts			1 Per Project x 15,000 = 15,000
11. Appraisal Fee Review			1 Parcels x 5,000 = 5,000
12.			
TOTAL PHASE 4B			\$79,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		95,193	x 130% (0 Parcels w/o R/W Acq) = 123,751
15. SUBTOTAL			(Lines 13 & 14) = 123,751
16. Admin. Settlements (Factor)	45%	x 30% of Line 15	= 16,700
17. Litigation Awards (Factor)	60%	x 70% of Line 15	= 52,000
18. Business Damages (Claims)	0	x \$0	= 0
19. Bus. Damages Incr: (Factor)	25%	x \$ -	= 0
20. Owner Appr. Fees (Parcels)	1	x \$10,000	= 10,000
21. Owner CPA Fees (Claims)	0	x \$10,000	= 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	68,700	x 40%	= 27,500
23. Owner Expert Witnr (Comm.+Unimp.)	0	+ 0	x 18,000 = 0
24. Other Condemn. Costs	1	x \$50	= 50
25. SUBTOTAL			(Lines 16 thru 24) = 106,700
26.			
TOTAL PHASE 43			\$230,500

Design contingency for design plan stage:
 (1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		1	x \$20,000
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
8. Owner	\$20,000	x	0 = 0
9. Tenant	\$10,000	x	1 = 10,000
Move Costs			
0. Residential	\$1,500	x	1 = 1,500
1. Business/Farm	\$20,000	x	0 = 0
2. Personal Property	\$2,000	x	0 = \$0
3. (Lines 28 thru 32)			
4. Relocation Services Cost			\$1,150 (Not in Phase Total)
5.			
6.			
7.			
TOTAL PHASE 45			\$11,500

(All Phases) TOTAL ESTIMATE \$348,400

Appraisal: Mitch Hammer Signed: *[Signature]* Date: 9-30-02
 us. Dam.: N/A Signed: *[Signature]* Date: *[Signature]*
 Relocation: N/A Signed: *[Signature]* Date: 9-30-02
 Overall Review: Mark Sawyer Signed: *[Signature]* Date: *[Signature]*

Cost Estimate Sequence #: _____ Dated: _____ in the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 and site 32B

G-83

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #32C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	1	0
Unimproved	0	0
Total Parcels	1	0
Estimated Relocates:		
Business		0
Residential		1
Signs		0
Special		0
Total Relocates		1

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0	x 6,500 = Rate)
2. Indirect Overhead	(Parcels)	0	x 0 = Rate)
3.			
			TOTAL PHASE 41
			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0	Parcels x 12,000 = 0
5. Business Damage CPA Fees Through Trail		0	Claims x 19,000 = 0
6. Court Reporter & Process Servers		0	Parcels x 500 = 0
7. Expert Witness	75%	0	Parcels x 30,000 = 0
8. Mediators	75%	0	Parcels x 2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels x 15,000 = 0
10. Miscellaneous Contracts		1	imprvmet x 15,000 = 15,000
11. Appraisal Fee Review		0	Per Project x 5,000 = 0
12.			
			TOTAL PHASE 4B
			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x 130% * Design plan stage = 0
14. Water Retention & Mit.		197,490	x 130% (0 Parcels w/o R/W Acq) = 256,737
15. SUBTOTAL			(Lines 13 & 14) = 256,737
16. Admin. Settlements (Factor	45%		x 30% of Line 15) = 34,700
17. Litigation Awards (Factor	60%		x 70% of Line 15) = 107,800
18. Business Damages (Claims	0		x \$0) = 0
19. Bus. Damages Incr (Factor	25%		x \$ -) = 0
20. Owner Appr. Fees (Parcels	0		x \$10,000) = 0
21. Owner CPA Fees (Claims	0		x \$10,000) = 0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	142,500		x 40%) = 57,000
23. Owner Expert Witn (Comm.+Unimp.)	0		+ 0) x 18,000 = 0
24. Other Condemn. Costs	0		x \$500 = 0
25. SUBTOTAL			(Lines 16 thru 24) = 199,500
26.			
			TOTAL PHASE 43
			\$456,200

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee		0	x \$20,000
			TOTAL PHASE 42
			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x	1 = 20,000
29. Tenant	\$10,000	x	0 = 0
Move Costs			
30. Residential	\$1,500	x	1 = 1,500
31. Business/Farm	\$20,000	x	0 = 0
32. Personal Property	\$2,000	x	0 = 0
33. (Lines 28 thru 32)			
			TOTAL PHASE 45
			\$21,500
14. Relocation Services Cost	\$2,150		(Not in Phase Total)

			(All Phases) TOTAL ESTIMATE
			\$492,700

Appraisal: Mitch Hammer	Signed: <i>Mitch</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>Mark Sawyer</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

Field site 32C

G-84

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @
Type A - indicates the most confidence	10%
Type B - indicates above average confidence	Year One 1.1000
Type C - indicates below average confidence	Year Two 1.2100
Type D - indicates the least or no confidence	Year Three 1.3310
	Year Four 1.4641
	Year Five 1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #33A	C.E. Sequence: N/A
Project Des. US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business
Residential	1	1	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	1	x	6,500	=	Rate)	Amount	6,500
2. Indirect Overhead	(Parcels)	1	x	0	=	Rate)	0	
3.								
TOTAL PHASE 41								\$6,500

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail		1	Parcels	x	12,000	=	12,000			
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	0			
6. Court Reporter & Process Servers	75%	x	1	=	1	Parcels	x	500	=	500
7. Expert Witness	75%	x	1	=	1	Parcels	x	30,000	=	30,000
8. Mediators	50%	x	1	=	1	Parcels	x	2,400	=	2,400
9. Demolition, Asb. Abate., Survey, etc.			0	Imprmet	x	15,000	=	0		
10. Miscellaneous Contracts			1	Per Project	x	15,000	=	15,000		
11. Appraisal Fee Review			1	Parcels	x	5,000	=	5,000		
12.										
TOTAL PHASE 4B								\$64,900		

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130%	* Design plan stage	=	0	Amount	Subtotal
14. Water Retention & Mit.	16,124	x	130%	(0 Parcels w/o R/W Acq)	=	20961		
15. SUBTOTAL				(Lines 13 & 14)				20,961
16. Admin. Settlements (Factor	45%	x	30%	of Line 15)	=	2,800		
17. Litigation Awards (Factor	60%	x	70%	of Line 15)	=	8,800		
18. Business Damages (Claims	0	x	\$0	)	=	0		
19. Bus. Damages Incr. (Factor	25%	x	\$	-)	=	0		
20. Owner Appr. Fees (Parcels	1	x	\$10,000	)	=	10,000		
21. Owner CPA Fees (Claims	0	x	\$10,000	)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	11,600	x	40%	)	=	4,600		
23. Owner Expert Witnr (Comm.+Unimp.)	0	+ 0	x	18,000	=	0		
24. Other Condemn. Costs	1	x	\$500	)	=	500		
25. SUBTOTAL				(Lines 16 thru 24)	=	26,700		
TOTAL PHASE 43								\$47,700

Design contingency for design plan stage:
(1) FD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

7. Acquisition Consultant Fee	1	x	\$20,000				TOTAL PHASE 42	\$20,000
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RELOCATION COSTS (PHASE 45)

Replacement Housing		Number	Amount	
8. Owner	\$20,000	x 0	= 0	
9. Tenant	\$10,000	x 0	= 0	
Move Costs				
0. Residential	\$1,500	x 0	= 0	
1. Business/Farm	\$20,000	x 0	= 0	
2. Personal Property	\$2,000	x 0	= 0	
3. (Lines 28 thru 32)				
4. Relocation Services Cost			\$0 (Not in Phase Total)	
TOTAL PHASE 45				\$0

(All Phases) **TOTAL ESTIMATE** **\$139,100**

Appraisal: Mitch Hammer Signed: *M Hammer* Date: 9-30-02
 Res. Dam.: N/A Signed: _____ Date: _____
 Relocation: N/A Signed: _____ Date: _____
 Overall Review: Mark Sawyer Signed: *M Sawyer* Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ in the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 33A

G-85

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #33B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	0	0	Residential _____ 0
Unimproved	2	1	Signs _____ 0
			Special _____ 0
Total Parcels	2	1	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)				Amount	
1. Direct Labor Cost	(Parcels	1	x	6,500 = Rate)	6,500
2. Indirect Overhead	(Parcels	1	x	0 = Rate)	0
3.					
				TOTAL PHASE 41	\$6,500

R/W OPS (PHASE 4B)				Amount	
4. Appraisal Fees Through Trial		1	Parcels x	12,000 = 12,000	
5. Business Damage CPA Fees Through Trial		0	Claims x	19,000 = 0	
6. Court Reporter & Process Servers	75%	1	Parcels x	500 = 500	
7. Expert Witness	75%	1	Parcels x	30,000 = 30,000	
8. Mediators	50%	1	Parcels x	2,400 = 2,400	
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x	15,000 = 0	
10. Miscellaneous Contracts		1	Per Project x	15,000 = 15,000	
11. Appraisal Fee Review		1	Parcels x	5,000 = 5,000	
12.					
				TOTAL PHASE 4B	\$64,900

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130% * Design plan stage =	0	
14. Water Retention & Mit.	19,036	x	130% (0 Parcels w/o R/W Acq)	24,747	
15. SUBTOTAL			(Lines 13 & 14)		24,747
16. Admin. Settlements (Factor	45%	x	30% of Line 15)	3,300	
17. Litigation Awards (Factor	60%	x	70% of Line 15)	10,400	
18. Business Damages (Claims	0	x	\$0)	0	
19. Bus. Damages Incr. (Factor	25%	x	\$ -)	0	
20. Owner Appr. Fees (Parcels	1	x	\$10,000)	10,000	
21. Owner CPA Fees (Claims	0	x	\$10,000)	0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	13,700	x	40%)	5,500	
23. Owner Expert Witn (Comm.+Unimp.)	0	x	1) x 18,000	18,000	
24. Other Condemn. Costs	1	x	\$500	500	
25. SUBTOTAL			(Lines 16 thru 24)		47,700
26.					
				TOTAL PHASE 43	\$72,400

Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)					
17. Acquisition Consultant Fee	1	x	\$20,000		
				TOTAL PHASE 42	\$20,000

RELOCATION COSTS (PHASE 45)					
Replacement Housing					
18. Owner	\$20,000	x	Number 0 =	Amount 0	
19. Tenant	\$10,000	x	0 =	0	
Move Costs					
20. Residential	\$1,500	x	0 =	0	
21. Business/Farm	\$20,000	x	0 =	0	
22. Personal Property	\$2,000	x	0 =	\$0	
23. (Lines 28 thru 32)					
4. Relocation Services Cost	\$0		(Not in Phase Total)		
5.					
6.					
7.					
				TOTAL PHASE 45	\$0

				(All Phases)	TOTAL ESTIMATE	\$163,800
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Appraisal: Mitch Hammer	Signed: <i>MH</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>MS</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

on site 33B

G-86

The following indicates the estimator's confidence in the above estimate:	Future Value Factors @	10%
_____ Type A - indicates the most confidence	Year One	1.1000
_____ Type B - indicates above average confidence	Year Two	1.2100
_____ Type C - indicates below average confidence	Year Three	1.3310
_____ Type D - indicates the least or no confidence	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X _____ Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #33C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	2	2	Residential _____ 2
Unimproved	1	0	Signs _____ 0
Total Parcels	3	2	Special _____ 0
			Total Relocates _____ 2

R/W SUPPORT COSTS (PHASE 41)			Amount
1. Direct Labor Cost	(Parcels) 2 x 6,500 =	Rate)	13,000
2. Indirect Overhead	(Parcels) 2 x 0 =	Rate)	0
3.			
			TOTAL PHASE 41 \$13,000

R/W OPS (PHASE 4B)			Amount
4. Appraisal Fees Through Trial	2 Parcels x 12,000 =		24,000
5. Business Damage CPA Fees Through Trall	0 Claims x 19,000 =		0
6. Court Reporter & Process Servers	2 Parcels x 500 =		1,000
7. Expert Witness	2 Parcels x 30,000 =		60,000
8. Mediators	1 Parcels x 2,400 =		2,400
9. Demolition, Asb. Abate., Survey, etc.	2 Imprvmet x 15,000 =		30,000
10. Miscellaneous Contracts	1 Per Project x 15,000 =		15,000
11. Appraisal Fee Review	1 Parcels x 5,000 =		5,000
12.			
			TOTAL PHASE 4B \$137,400

R/W LAND COSTS (PHASE 43)			Amount	Subtotal
13. Land, Improvements & Severance Damages				
and Cost to Cure Amount	0 x 130% * Design plan stage =		0	
14. Water Retention & Mit.	293,187 x 130% (0 Parcels w/o R/W Acq)		381,143	
15. SUBTOTAL				381,143
16. Admin. Settlements (Factor	45% x 30% of Line 15) =		51,500	
17. Litigation Awards (Factor	60% x 70% of Line 15) =		160,100	
18. Business Damages (Claims	0 x \$0) =		0	
19. Bus. Damages Incr. (Factor	25% x \$ -) =		0	
20. Owner Appr. Fees (Parcels	2 x \$10,000) =		20,000	
21. Owner CPA Fees (Claims	0 x \$10,000) =		0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	211,600 x 40%) =		84,600	
23. Owner Expert Witr. (Comm.+Unimp.)	0 + 0) x 18,000 =		0	
24. Other Condemn. Costs	2 x \$500 =		1,000	
25. SUBTOTAL				317,200
26.				
			TOTAL PHASE 43 \$698,300	

Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			Amount
27. Acquisition Consultant Fee	1 x \$20,000		\$20,000
			TOTAL PHASE 42 \$20,000

RELOCATION COSTS (PHASE 45)			Number	Amount
Replacement Housing				
28. Owner	\$20,000 x	2	=	40,000
29. Tenant	\$10,000 x	0	=	0
Move Costs				
30. Residential	\$1,500 x	2	=	3,000
31. Business/Farm	\$20,000 x	0	=	0
32. Personal Property	\$2,000 x	0	=	0
3. (Lines 28 thru 32)				\$0
4. Relocation Services Cost		\$4,300	(Not In Phase Total)	
			TOTAL PHASE 45 \$43,000	

			TOTAL ESTIMATE \$911,700
Appraisal:	Mitch Hammer	Signed: <i>[Signature]</i>	Date: 7-30-02
Bus. Dam. :	N/A	Signed: _____	Date: _____
Relocation:	N/A	Signed: _____	Date: _____
Overall Review:	Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:

Location: on site 33C

G-87

The following indicates the estimator's confidence in the above estimate: _____ Type A - indicates the most confidence _____ Type B - indicates above average confidence _____ Type C - indicates below average confidence _____ Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #34A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		
Parcels	Gross	Net
Commercial	0	0
Residential	1	1
Unimproved	1	1
Total Parcels	2	2
Estimated Relocates:		
Business		0
Residential		0
Signs		0
Special		0
Total Relocates		0

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	2 x 6,500 =	Rate) Amount 13,000
2. Indirect Overhead	(Parcels)	2 x 0 =	Rate) 0
3.			
TOTAL PHASE 41			\$13,000

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trail		2 Parcels x 12,000 =	Amount 24,000
5. Business Damage CPA Fees Through Trail		0 Claims x 19,000 =	0
6. Court Reporter & Process Servers	75%	2 Parcels x 500 =	1,000
7. Expert Witness	75%	2 Parcels x 30,000 =	60,000
8. Mediators	50%	1 Parcels x 2,400 =	2,400
9. Demolition, Asb. Abate., Survey, etc.		0 Imprvmet x 15,000 =	0
10. Miscellaneous Contracts		1 Per Project x 15,000 =	15,000
11. Appraisal Fee Review		1 Parcels x 5,000 =	5,000
12.			
TOTAL PHASE 4B			\$107,400

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount		0 x 130% * Design plan stage =	0
14. Water Retention & Mit.	25,545	x 130% (0 Parcels w/o R/W Acq)	33209
15. SUBTOTAL		(Lines 13 & 14)	33,209
16. Admin. Settlements (Factor	45%	x 30% of Line 15)	4,500
17. Litigation Awards (Factor	60%	x 70% of Line 15)	13,900
18. Business Damages (Claims	0	x \$0)	0
19. Bus. Damages Incr. (Factor	25%	x \$ -)	0
20. Owner Appr. Fees (Parcels	2	x \$10,000)	20,000
21. Owner CPA Fees (Claims	0	x \$10,000)	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	18,400	x 40%)	7,400
23. Owner Expert Witn. (Comm.+Unimp.)	0	+ 1) x 18,000	18,000
24. Other Condemn. Costs	2	x \$500	1,000
25. SUBTOTAL		(Lines 16 thru 24)	64,800
26.			
TOTAL PHASE 43			\$98,000

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	1	x \$20,000	TOTAL PHASE 42 \$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x 0	= 0
29. Tenant	\$10,000	x 0	= 0
Move Costs			
30. Residential	\$1,500	x 0	= 0
31. Business/Farm	\$20,000	x 0	= 0
32. Personal Property	\$2,000	x 0	= 0
33. (Lines 28 thru 32)			\$0
34. Relocation Services Cost		\$0	(Not in Phase Total)
35.			
36.			
37.			
TOTAL PHASE 45			\$0

(All Phases) TOTAL ESTIMATE			\$238,400
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Appraisal: Mitch Hammer	Signed: <i>MH</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>MS</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 34A

G-88

The following indicates the estimator's confidence in the above estimate: Type A - indicates the most confidence Type B - indicates above average confidence Type C - indicates below average confidence Type D - indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Fork Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FMA: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10 Sep-02
State Rd.: US 98	Alternate: SMF #34B	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	1	0	Business
Residential	0	0	Residential
Unimproved	0	0	Signs
Total Parcels	1	0	Special
			Total Relocates
			1

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trail		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		1	Claims	x	19,000	=	Amount	19,000
6. Court Reporter & Process Servers		0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	Amount	0
8. Mediators	75%	0	Parcels	x	2,400	=	Amount	0
9. Demolition, Asb. Abate., Survey, etc.	50%	0	Parcels	x	15,000	=	Amount	0
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	Amount	15,000
11. Appraisal Fee Review		0	Parcels	x	5,000	=	Amount	0
12.								
TOTAL PHASE 4B								\$34,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount		0	x	130%	* Design plan stage	=	Amount	0	Subtotal
14. Water Retention & Mit.		123,050	x	130%	(0 Parcels w/o R/W Acq)	=	Amount	159,965	
15. SUBTOTAL					(Lines 13 & 14)				159,965
16. Admn. Settlements (Factor)	45%		x	30%	of Line 15)	=	Amount	21,600	
17. Litigation Awards (Factor)	60%		x	70%	of Line 15)	=	Amount	67,200	
18. Business Damages (Claims)	1		x	\$0	)	=	Amount	17,600	
19. Bus. Damages Incrs. (Factor)	25%		x	\$ 17,600	)	=	Amount	4,400	
20. Owner Appr. Fees (Parcels)	0		x	\$10,000	)	=	Amount	0	
21. Owner CPA Fees (Claims)	1		x	\$10,000	)	=	Amount	10,000	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 18)	93,200		x	40%	)	=	Amount	37,300	
23. Owner Expert Witness (Comm. + Unimp.)	0		+	0	) x 18,000	=	Amount	0	
24. Other Condemn. Costs	0		x	\$500	)	=	Amount	0	
25. SUBTOTAL					(Lines 16 thru 24)	=	Amount	158,100	
26.									
TOTAL PHASE 43								\$318,100	

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000					
TOTAL PHASE 42								\$0

RELOCATION COSTS (PHASE 45)

Replacement Housing				Number		Amount
28. Owner	\$20,000	x	0	=	0	
29. Tenant	\$10,000	x	0	=	0	
Move Costs						
30. Residential	\$1,500	x	0	=	0	
31. Business/Farm	\$20,000	x	0	=	0	
32. Personal Property	\$2,000	x	1	=	\$2,000	
33. (Lines 28 thru 32)						
34. Relocation Services Cost			\$200	(Not in Phase Total)		
35.						
36.						
37.						
TOTAL PHASE 45						\$2,000

TOTAL ESTIMATE **\$364,100**

Appraisal: Mitch Hammer Signed: [Signature] Date: 7-30-02
 Bus. Dam.: Gerson, Preston, Robinson Signed: By Attachment Date: 09/28/2002
 Relocation: N/A Signed: Date:
 Overall Review: Mark Sawyer Signed: [Signature] Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Date Input Completion Date: _____

REMARKS:
 on site 34B

G-89

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: _____ X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #34C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	0	0	Business _____ 0
Residential	1	1	Residential _____ 0
Unimproved	1	1	Signs _____ 0
			Special _____ 0
Total Parcels	2	2	Total Relocates _____ 0

R/W SUPPORT COSTS (PHASE 41)				Amount
1. Direct Labor Cost	(Parcels)	2	x 6,500 = Rate)	13,000
2. Indirect Overhead	(Parcels)	2	x 0 = Rate)	0
3.				
TOTAL PHASE 41				\$13,000

R/W OPS (PHASE 4B)				Amount
4. Appraisal Fees Through Trial		2	Parcels x	12,000 = 24,000
5. Business Damage CPA Fees Through Trail		0	Claims x	19,000 = 0
6. Court Reporter & Process Servers	75%	2	Parcels x	500 = 1,000
7. Expert Witness	75%	2	Parcels x	30,000 = 60,000
8. Mediators	50%	2	Parcels x	2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet x	15,000 = 0
10. Miscellaneous Contracts		1	Per Project x	15,000 = 15,000
11. Appraisal Fee Review		1	Parcels x	5,000 = 5,000
12.				
TOTAL PHASE 4B				\$107,400

R/W LAND COSTS (PHASE 43)				Amount	Subtotal
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage =		0	
14. Water Retention & Mit.	27,048	x 130% (0 Parcels w/o R/W Acq)		35,162	
15. SUBTOTAL			(Lines 13 & 14)		35,162
16. Admin. Settlements (Factor	45%	x 30% of Line 15)		4,700	
17. Litigation Awards (Factor	60%	x 70% of Line 15)		14,800	
18. Business Damages (Claims	0	x \$0)		0	
19. Bus. Damages Incr (Factor	25%	x \$ -)		0	
20. Owner Appr. Fees (Parcels	2	x \$10,000)		20,000	
21. Owner CPA Fees (Claims	0	x \$10,000)		0	
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	19,500	x 40%		7,800	
23. Owner Expert Witnr (Comm.+Unimp.)	0	+ 1) x 18,000		18,000	
24. Other Condemn. Costs	2	x \$500		1,000	
25. SUBTOTAL			(Lines 16 thru 24)		66,300
26.					
TOTAL PHASE 43					\$101,500

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)				Amount
27. Acquisition Consultant Fee	1	x \$20,000		20,000
TOTAL PHASE 42				\$20,000

RELOCATION COSTS (PHASE 45)				Number	Amount
Replacement Housing					
28. Owner	\$20,000	x	0	=	0
29. Tenant	\$10,000	x	0	=	0
Move Costs					
30. Residential	\$1,500	x	0	=	0
31. Business/Farm	\$20,000	x	0	=	0
32. Personal Property	\$2,000	x	0	=	0
33. (Lines 28 thru 32)				=	\$0
34. Relocation Services Cost			\$0	(Not In Phase Total)	
TOTAL PHASE 45					\$0

35.
36.
37. (All Phases) **TOTAL ESTIMATE \$241,900**

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 34C

G-90

The following indicates the estimator's confidence in the above estimate: _____ Type A - Indicates the most confidence _____ Type B - Indicates above average confidence _____ Type C - Indicates below average confidence _____ Type D - Indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____
 Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #35A	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:	
Commercial	0	0	Business	0
Residential	0	0	Residential	0
Unimproved	1	0	Signs	0
			Special	0
Total Parcels	1	0	Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)

1. Direct Labor Cost	(Parcels)	0	x	6,500	=	Rate)	Amount	0
2. Indirect Overhead	(Parcels)	0	x	0	=	Rate)	Amount	0
3.								
TOTAL PHASE 41								\$0

R/W OPS (PHASE 4B)

4. Appraisal Fees Through Trial		0	Parcels	x	12,000	=	Amount	0
5. Business Damage CPA Fees Through Trail		0	Claims	x	19,000	=	Amount	0
6. Court Reporter & Process Servers	75%	0	Parcels	x	500	=	Amount	0
7. Expert Witness	75%	0	Parcels	x	30,000	=	Amount	0
8. Mediators	50%	0	Parcels	x	2,400	=	Amount	0
9. Demolition, Asb. Abate., Survey, etc.		0	Imprvmet	x	15,000	=	Amount	0
10. Miscellaneous Contracts		1	Per Project	x	15,000	=	Amount	15,000
11. Appraisal Fee Review		0	Parcels	x	5,000	=	Amount	0
12.								
TOTAL PHASE 4B								\$15,000

R/W LAND COSTS (PHASE 43)

13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x	130%	* Design plan stage	=	0	Amount	Subtotal
14. Water Retention & Mit.	14,443	x	130%	(0 Parcels w/o R/W Acq)	=	18,776		
15. SUBTOTAL				(Lines 13 & 14)				18,776
16. Admin. Settlements (Factor	45%	x	30%	of Line 15)	=	2,500		
17. Litigation Awards (Factor	60%	x	70%	of Line 15)	=	7,900		
18. Business Damages (Claims	0	x	\$0	)	=	0		
19. Bus. Damages Incr. (Factor	25%	x	\$	-)	=	0		
20. Owner Appr. Fees (Parcels	0	x	\$10,000	)	=	0		
21. Owner CPA Fees (Claims	0	x	\$10,000	)	=	0		
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	10,400	x	40%	)	=	4,200		
23. Owner Expert Witn (Comm.+Unimp.)	0	+	0	x 18,000	=	0		
24. Other Condemn. Costs	0	x	\$500	)	=	0		
25. SUBTOTAL				(Lines 16 thru 24)	=	14,600		14,600
26.								
TOTAL PHASE 43								\$33,400

R/W ACQUISITION CONSULTANT (PHASE 42)

27. Acquisition Consultant Fee	0	x	\$20,000					
TOTAL PHASE 42								\$0

RELOCATION COSTS (PHASE 45)

28. Owner	Replacement Housing	\$20,000	x	Number	0	=	Amount	0
29. Tenant		\$10,000	x	0		=	0	
30. Residential	Move Costs	\$1,500	x	0		=	0	
31. Business/Farm		\$20,000	x	0		=	0	
32. Personal Property		\$2,000	x	0		=	\$0	
33. (Lines 28 thru 32)								
34. Relocation Services Cost					\$0	(Not In Phase Total)		
35.								
36.								
37.								
TOTAL PHASE 45								\$0

(All Phases) TOTAL ESTIMATE \$48,400

Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02
Bus. Dam.: N/A	Signed: _____	Date: _____
Relocation: N/A	Signed: _____	Date: _____
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS: on site 35A

G-91

The following indicates the estimator's confidence in the above estimate:

Type A - indicates the most confidence	Future Value Factors @	10%
Type B - indicates above average confidence	Year One	1.1000
Type C - indicates below average confidence	Year Two	1.2100
Type D - indicates the least or no confidence	Year Three	1.3310
	Year Four	1.4641
	Year Five	1.6105

The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X
 Comments: _____ Docs to RW: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven	Date: 10-Sep-02
County: Hernando	FAP No.: N/A	C.E. Sequence	N/A
State Rd.: US 98	Alternate: SMF #35B		
Project Des. US 98 Ponds			
Parcels		Estimated Relocates:	
Commercial	Gross Net	Business	0
Residential	0 0	Residential	0
Unimproved	1 0	Signs	0
Total Parcels	1 0	Special	0
		Total Relocates	0

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	0 x 6,500 =	Rate) Amount 0
2. Indirect Overhead	(Parcels)	0 x 0 =	Rate) Amount 0
3.			
TOTAL PHASE 41			\$0

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		0 Parcels x	12,000 = 0
5. Business Damage CPA Fees Through Trail		0 Claims x	19,000 = 0
6. Court Reporter & Process Servers	75%	0 Parcels x	500 = 0
7. Expert Witness	75%	0 Parcels x	30,000 = 0
8. Mediators	50%	0 Parcels x	2,400 = 0
9. Demolition, Asb. Abate., Survey, etc.		0 Imprvmet x	15,000 = 0
10. Miscellaneous Contracts		1 Per Project x	15,000 = 15,000
11. Appraisal Fee Review		0 Parcels x	5,000 = 0
12.			
TOTAL PHASE 4B			\$15,000

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0	x 130% * Design plan stage =	0
14. Water Retention & Mit.	27,734	x 130% (0 Parcels w/o R/W Acq)	36054
15. SUBTOTAL		(Lines 13 & 14)	36,054
16. Admin. Settlements (Factor	45%	x 30% of Line 15)	4,900
17. Litigation Awards (Factor	60%	x 70% of Line 15)	15,100
18. Business Damages (Claims	0	x \$0)	0
19. Bus. Damages Incr. (Factor	25%	x \$ -)	0
20. Owner Appr. Fees (Parcels	0	x \$10,000)	0
21. Owner CPA Fees (Claims	0	x \$10,000)	0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	20,000	x 40%)	8,000
23. Owner Expert Witn (Comm.+Unimp.)	0	+ 0) x 18,000	0
24. Other Condemn. Costs	0	x \$500	0
25. SUBTOTAL		(Lines 16 thru 24)	28,000
26.			
TOTAL PHASE 43			\$64,100

* Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	0	x \$20,000	
TOTAL PHASE 42			\$0

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
28. Owner	\$20,000	x 0	= 0
29. Tenant	\$10,000	x 0	= 0
Move Costs			
30. Residential	\$1,500	x 0	= 0
31. Business/Farm	\$20,000	x 0	= 0
32. Personal Property	\$2,000	x 0	= 0
33. (Lines 28 thru 32)			\$0
34. Relocation Services Cost		\$0 (Not in Phase Total)	
35.			
36.			
37.			
TOTAL PHASE 45			\$0

(All Phases) TOTAL ESTIMATE \$79,100			
Appraisal: Mitch Hammer	Signed: <i>[Signature]</i>	Date: 9-30-02	
Bus. Dam.: N/A	Signed: _____	Date: _____	
Relocation: N/A	Signed: _____	Date: _____	
Overall Review: Mark Sawyer	Signed: <i>[Signature]</i>	Date: 9-30-02	

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
Pond site 35B

G-92

The following indicates the estimator's confidence in the above estimate:		Future Value Factors @	
_____ Type A - Indicates the most confidence		Year One	1.1000
_____ Type B - Indicates above average confidence		Year Two	1.2100
_____ Type C - Indicates below average confidence		Year Three	1.3310
_____ Type D - Indicates the least or no confidence		Year Four	1.4641
		Year Five	1.6105

The following indicates the Department's purpose for this estimate:
Work Program Update: _____ Gaming 1: _____ Special Purpose: X Docs to RW: _____

Comments: _____

**FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SEVEN RIGHT OF WAY COST ESTIMATE**

PBS&J#: 703301.30 5021

FM#: 4050171	Former WPI#: N/A	District: Seven
County: Hernando	FAP No.: N/A	Date: 10-Sep-02
State Rd.: US 98	Alternate: SMF #35C	C.E. Sequence: N/A
Project Des.: US 98 Ponds		

Parcels	Gross	Net	Estimated Relocates:
Commercial	1	1	Business
Residential	0	0	Residential
Unimproved	0	0	Signs
			Special
Total Parcels	1	1	Total Relocates

R/W SUPPORT COSTS (PHASE 41)			
1. Direct Labor Cost	(Parcels)	1 x 6,500 =	Amount 6,500
2. Indirect Overhead	(Parcels)	1 x 0 =	0
3.			
TOTAL PHASE 41			\$6,500

R/W OPS (PHASE 4B)			
4. Appraisal Fees Through Trial		1 Parcels x	12,000 = 12,000
5. Business Damage CPA Fees Through Trail		0 Claims x	19,000 = 0
6. Court Reporter & Process Servers		1 Parcels x	500 = 500
7. Expert Witness	75% x 1 =	1 Parcels x	30,000 = 30,000
8. Mediators	75% x 1 =	1 Parcels x	2,400 = 2,400
9. Demolition, Asb. Abate., Survey, etc.	50% x 1 =	1 Parcels x	15,000 = 0
10. Miscellaneous Contracts		1 Per Project x	15,000 = 15,000
11. Appraisal Fee Review		1 Parcels x	5,000 = 5,000
12.			
TOTAL PHASE 4B			\$64,900

R/W LAND COSTS (PHASE 43)			
13. Land, Improvements & Severance Damages and Cost to Cure Amount	0 x 130% * Design plan stage =		0
14. Water Retention & Mit.	40,258 x 130% (0 Parcels w/o R/W Acq)		52,335
15. SUBTOTAL		(Lines 13 & 14)	52,335
16. Admin. Settlements (Factor)	45% x 30% of Line 15 =		7,100
17. Litigation Awards (Factor)	60% x 70% of Line 15 =		22,000
18. Business Damages (Claims)	0 x \$0 =		0
19. Bus. Damages Incr (Factor)	25% x \$ - =		0
20. Owner Appr. Fees (Parcels)	1 x \$10,000 =		10,000
21. Owner CPA Fees (Claims)	0 x \$10,000 =		0
22. Defend. Atty Fees (Sum of Lines 16, 17 & 19)	29,100 x 40% =		11,600
23. Owner Expert Wltn (Comm.+Unimp.)	1 + 0 x 18,000 =		18,000
24. Other Condemn. Costs	1 x \$500 =		500
25. SUBTOTAL		(Lines 16 thru 24)	69,200
26.			
TOTAL PHASE 43			\$121,500

Design contingency for design plan stage:
(1) PD&E plans - 130% (2) 30% plans - 125% (3) 60% plans - 120% (4) 90% plans - 115% (5) 268 Date - 110%

R/W ACQUISITION CONSULTANT (PHASE 42)			
27. Acquisition Consultant Fee	1 x	\$20,000	
TOTAL PHASE 42			\$20,000

RELOCATION COSTS (PHASE 45)			
Replacement Housing			
8. Owner	\$20,000 x	Number 0 =	Amount 0
9. Tenant	\$10,000 x	0 =	0
Move Costs			
0. Residential	\$1,500 x	0 =	0
1. Business/Farm	\$20,000 x	0 =	0
2. Personal Property	\$2,000 x	0 =	0
3. (Lines 28 thru 32)			\$0
4. Relocation Services Cost			\$0 (Not in Phase Total)
5.			
6.			
7.			
TOTAL PHASE 45			\$0

Appraisal:	Mitch Hammer	Signed:	<i>Mitch Hammer</i>	Date:	9-30-02
Bus. Dam.:	N/A	Signed:		Date:	
Relocation:	N/A	Signed:		Date:	
Overall Review:	Mark Sawyer	Signed:	<i>Mark Sawyer</i>	Date:	9-30-02

Cost Estimate Sequence #: _____ Dated: _____ In the Amount of \$ _____ Data Input Completion Date: _____

REMARKS:
 on site 35C
G-93

The following indicates the estimator's confidence in the above estimate: Type A - Indicates the most confidence Type B - Indicates above average confidence Type C - Indicates below average confidence Type D - Indicates the least or no confidence	Future Value Factors @ Year One 1.1000 Year Two 1.2100 Year Three 1.3310 Year Four 1.4641 Year Five 1.6105
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The following indicates the Department's purpose for this estimate:
 Work Program Update: _____ Gaming 1: _____ Special Purpose: X
 Comments: _____ Docs to RW: _____