

Relevant Exhibits from  
Applicants Report

Attachment 2-1, page 9 of 11

- Shows preferred route as it passes between Oak Island Cove and Emerald Island (at top of map near Oak Island Road)

Attachment 2-1, page 10 of 11

- Shows area north of Oak Island Cove where Alternate Route would return to SR 429, the Preferred Route

Attachment 2-4, pages 9, 10 and 12

- Shows types of vegetation along Alternate Corridor plus index of vegetation

Survey Results

- Lists the priorities desired by the public input portion of the Application for the Lake Agnes to Gifford Joint Transmission Line

# Florida Land Use, Cover and Forms Classification Codes

## Urban & Built-Up

- 110 Residential, Low Density
- 120 Residential, Medium Density
- 130 Residential, High Density
- 140 Commercial & Services
- 150 Industrial
- 160 Extractive
- 170 Institutional
- 180 Recreational
- 190 Open Land

## Agriculture

- 210 Cropland & Pastureland
- 211 Improved Pastures
- 212 Unimproved Pastures
- 213 Woodland Pastures
- 214 Row Crops
- 215 Field Crops
- 220 Tree Crops
- 221 Citrus Groves
- 223 Other Groves
- 224 Abandoned Groves
- 230 Feeding Operations
- 240 Nurseries & Vineyards
- 241 Tree Nurseries
- 242 Sod Farms
- 243 Ornamentals
- 250 Specialty Farms
- 251 Horse Farms
- 255 Other Specialty Farms
- 260 Other Open Lands
- 261 Fallow Crop Land

## Rangeland

- 310 Herbaceous (Dry Prairie)
- 320 Shrub & Brushland
- 321 Palmetto Prairies
- 330 Mixed Rangeland

## Upland Forest

- 410 Upland Coniferous Forests
- 411 Pine Flatwoods
- 412 Long Leaf Pine - Xeric Oak
- 413 Sand Pine
- 414 Pine - Mesic Oak
- 420 Upland Hardwood Forests
- 421 Xeric Oak
- 422 Brazilian Pepper
- 424 Melaleuca
- 427 Live Oak
- 428 Cabbage Palm
- 434 Hardwood - Coniferous Mixed
- 437 Australian Pine
- 440 Tree Plantations
- 441 Coniferous Plantations
- 443 Forest Regeneration Areas

## Water

- 510 Streams & Waterways
- 520 Lakes
- 530 Reservoirs

## Wetlands

- 610 Wetland Hardwood Forests
- 611 Bay Swamps
- 615 Stream & Lake Swamps (Bottomland)
- 617 Mixed Wetland Hardwoods
- 620 Wetland Coniferous Forests
- 621 Cypress
- 622 Pond Pine
- 624 Cypress - Pine - Cabbage Palm
- 625 Hydric Pine Flatwoods
- 630 Wetland Forested Mixed
- 641 Freshwater Marshes
- 643 Wet Prairies
- 644 Emergent Aquatic Vegetation
- 646 Treeless Hydric Savanna
- 653 Intermittent Ponds

## Barren Land

- 720 Sand Other Than Beaches
- 740 Disturbed Lands

## Transportation, Communication & Utilities

- 810 Transportation
- 820 Communications
- 830 Utilities

## LEGEND

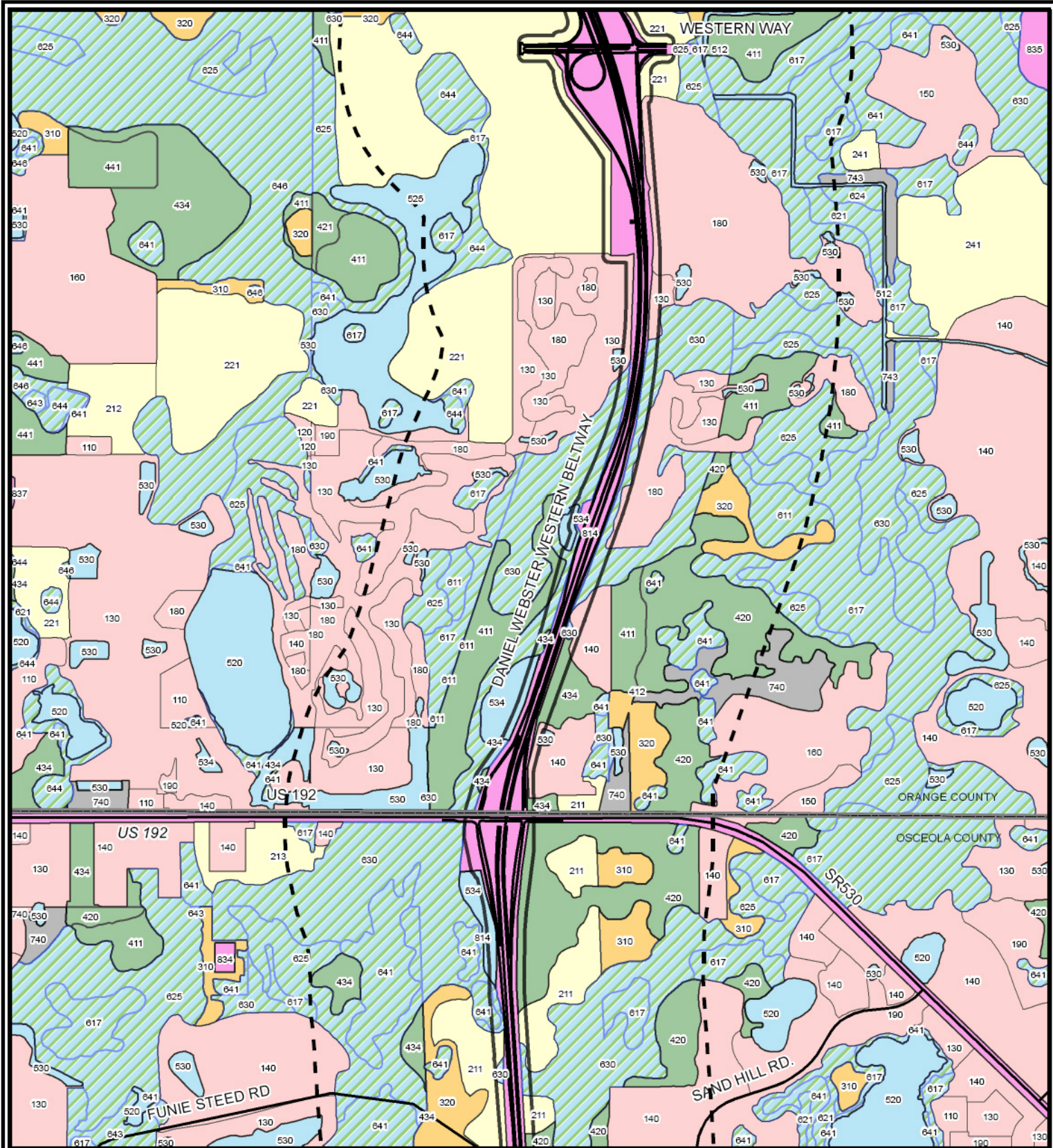
- Existing substation
- Planned substation
- Service territory
- County boundaries
- Railroads
- Railroads
- Major roads
- Half mile buffer
- Preferred Corridor

## REFERENCE

1. Land use - SFWMD 1999/2004, SWFWMD 2004, SJRWMD 2004, (2007 update by Golder within corridor).



|                                                                                                                                 |  |                                                                                                                 |                                                             |
|---------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| PROJECT<br>PROGRESS ENERGY FLORIDA AND TAMPA ELECTRIC COMPANY<br>LAKE AGNES TO GIFFORD<br>230kV JOINT TRANSMISSION LINE PROJECT |  |                                                                                                                 |                                                             |
| TITLE<br><br>EXISTING LAND USE/VEGETATION                                                                                       |  |                                                                                                                 |                                                             |
| <br>Golder Associates<br>Tampa, Florida     |  | PROJECT No. 073-89532<br>DESIGN JVT 8/22/2007<br>GIS JVT 12/3/2007<br>CHECK KK 12/3/2007<br>REVIEW MM 12/3/2007 | SCALE AS SHOWN<br>REV. 0<br><br><b>ATT 2-4<br/>12 OF 12</b> |



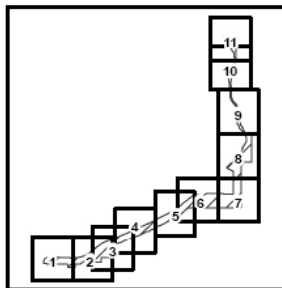
## LEGEND

See Figure 12 for a detailed legend describing land use, cover and forms.

- |                     |                    |
|---------------------|--------------------|
| County boundaries   | Half mile buffer   |
| Service territory   | Railroads          |
| Railroads           | Preferred Corridor |
| Existing substation | Major roads        |
| Planned substation  |                    |

## REFERENCE

1. Major roads - Florida Department Of Transportation, 4/2006.
2. County boundaries - US Census Bureau, 2000.
3. Land use - SFWMD 1999/2004, SWFWMD 2004, SJRWMD 2004, (2007 update by Golder within corridor).
4. Aerial imagery - Aerials Express 1/2006 via ESRI ArcGIS Online.



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Feet



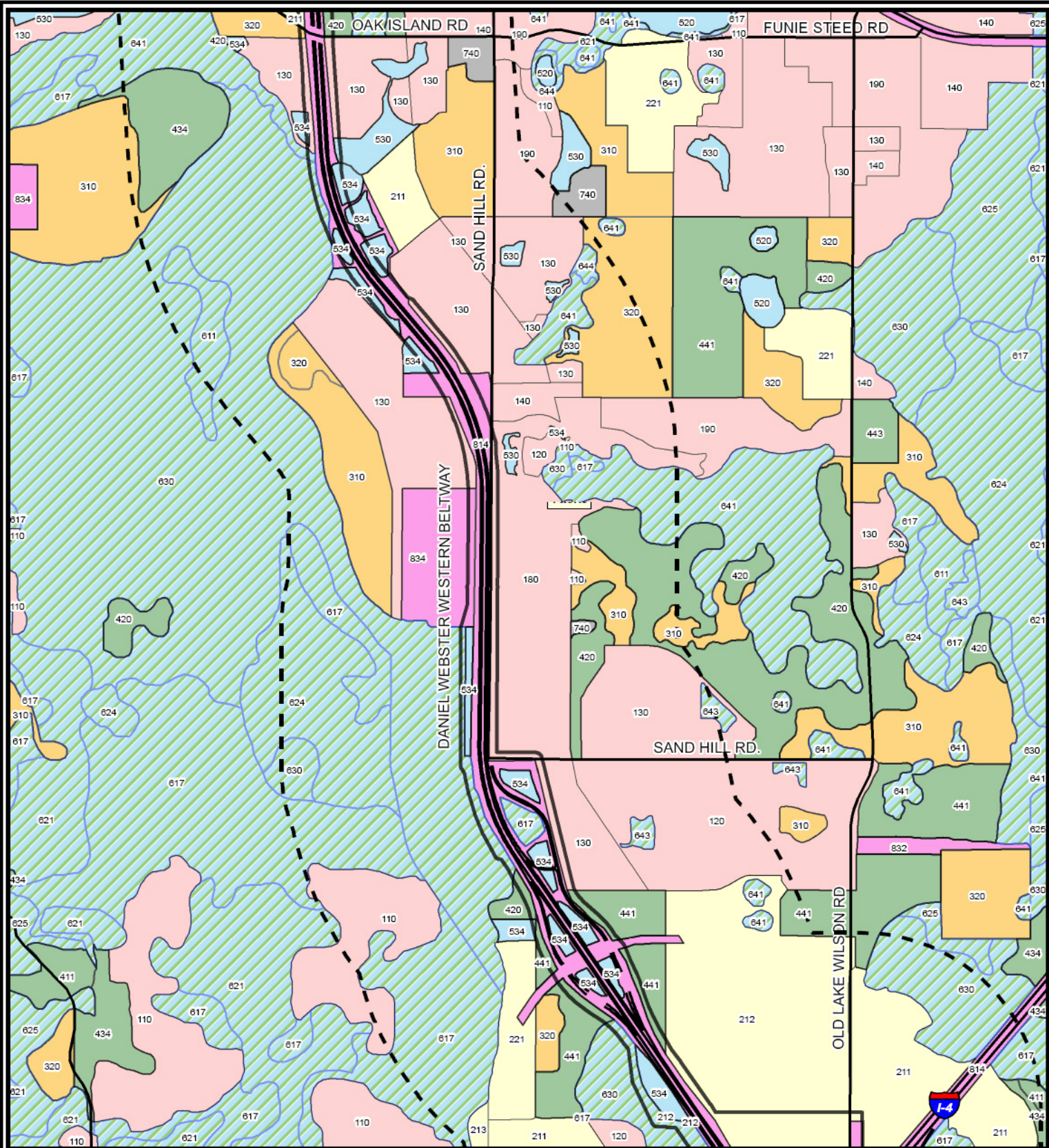
PROJECT  
PROGRESS ENERGY FLORIDA AND TAMPA ELECTRIC COMPANY  
LAKE AGNES TO GIFFORD  
230KV JOINT TRANSMISSION LINE PROJECT

TITLE

## EXISTING LAND USE/VEGETATION



|                       |                     |        |
|-----------------------|---------------------|--------|
| PROJECT No. 073-89532 | SCALE AS SHOWN      | REV. 0 |
| DESIGN: JMT 8/22/2007 | ATT 2-4<br>10 OF 12 |        |
| GIS: JMT 12/3/2007    |                     |        |
| CHECK: KK 12/3/2007   |                     |        |
| REVIEW: MM 12/3/2007  |                     |        |



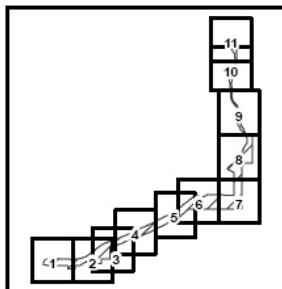
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See Figure 12 for a detailed legend describing land use, cover and forms.

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PROJECT  
PROGRESS ENERGY FLORIDA AND TAMPA ELECTRIC COMPANY  
LAKE AGNES TO GIFFORD  
230KV JOINT TRANSMISSION LINE PROJECT

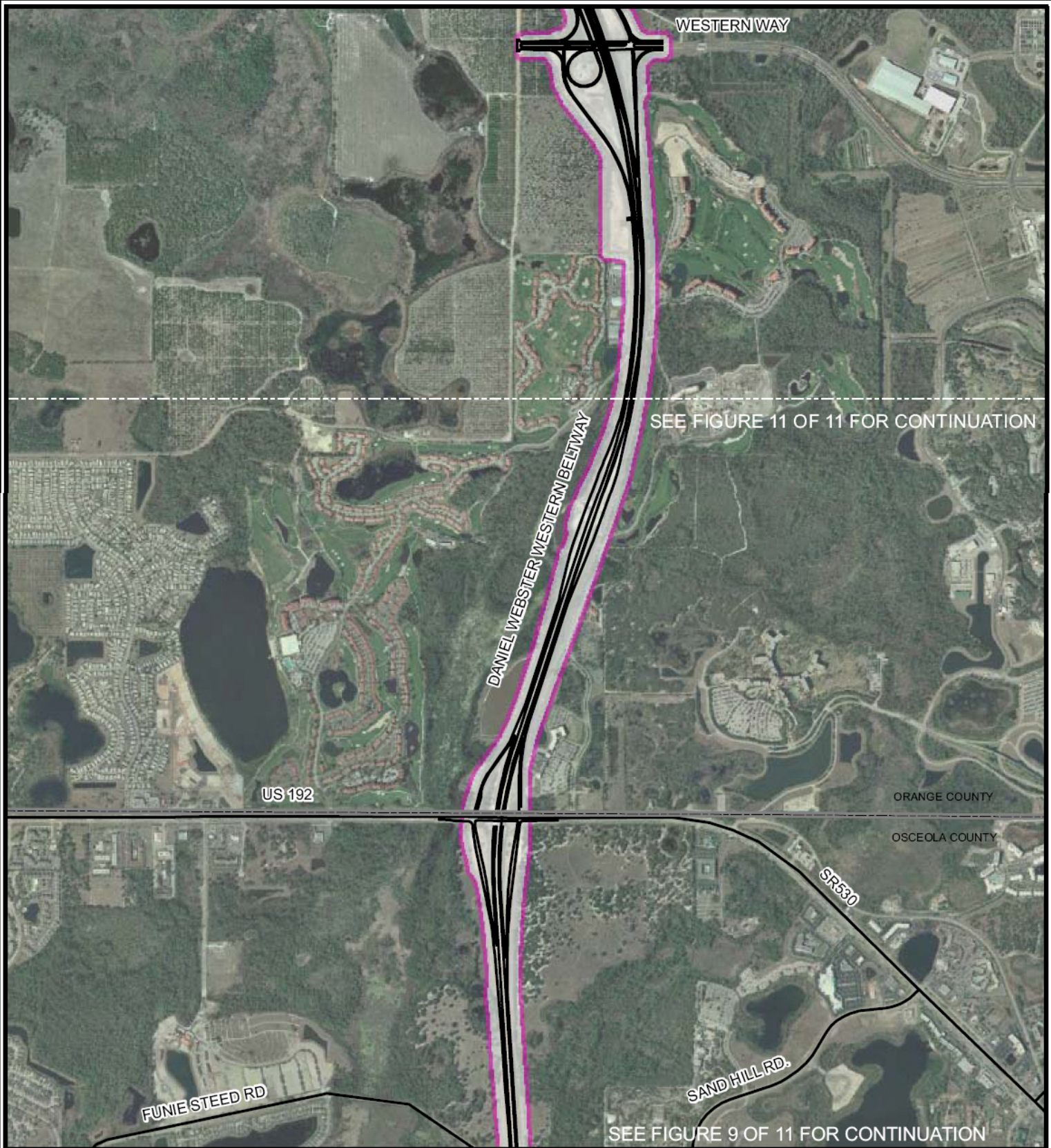
TITLE

## EXISTING LAND USE/VEGETATION



|                       |                |           |
|-----------------------|----------------|-----------|
| PROJECT No. 073-89532 | SCALE AS SHOWN | REV. 0    |
| DESIGN                | JWT            | 8/22/2007 |
| GIS                   | JWT            | 12/3/2007 |
| CHECK                 | KK             | 12/3/2007 |
| REVIEW                | MM             | 12/3/2007 |

ATT 2-4  
9 OF 12

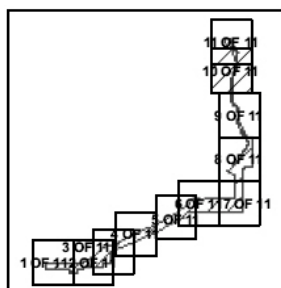


#### LEGEND

- Existing substation    Railroads
- Planned substation    Major roads
- Preferred Corridor
- Service territory
- County boundaries

#### REFERENCE

1. Major roads - Florida Department Of Transportation, 4/2006
2. County boundaries - US Census Bureau, 2000
3. Aerial photography - Aerials Express 1/16/2006 via ESRI's ArcGIS Online



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Feet



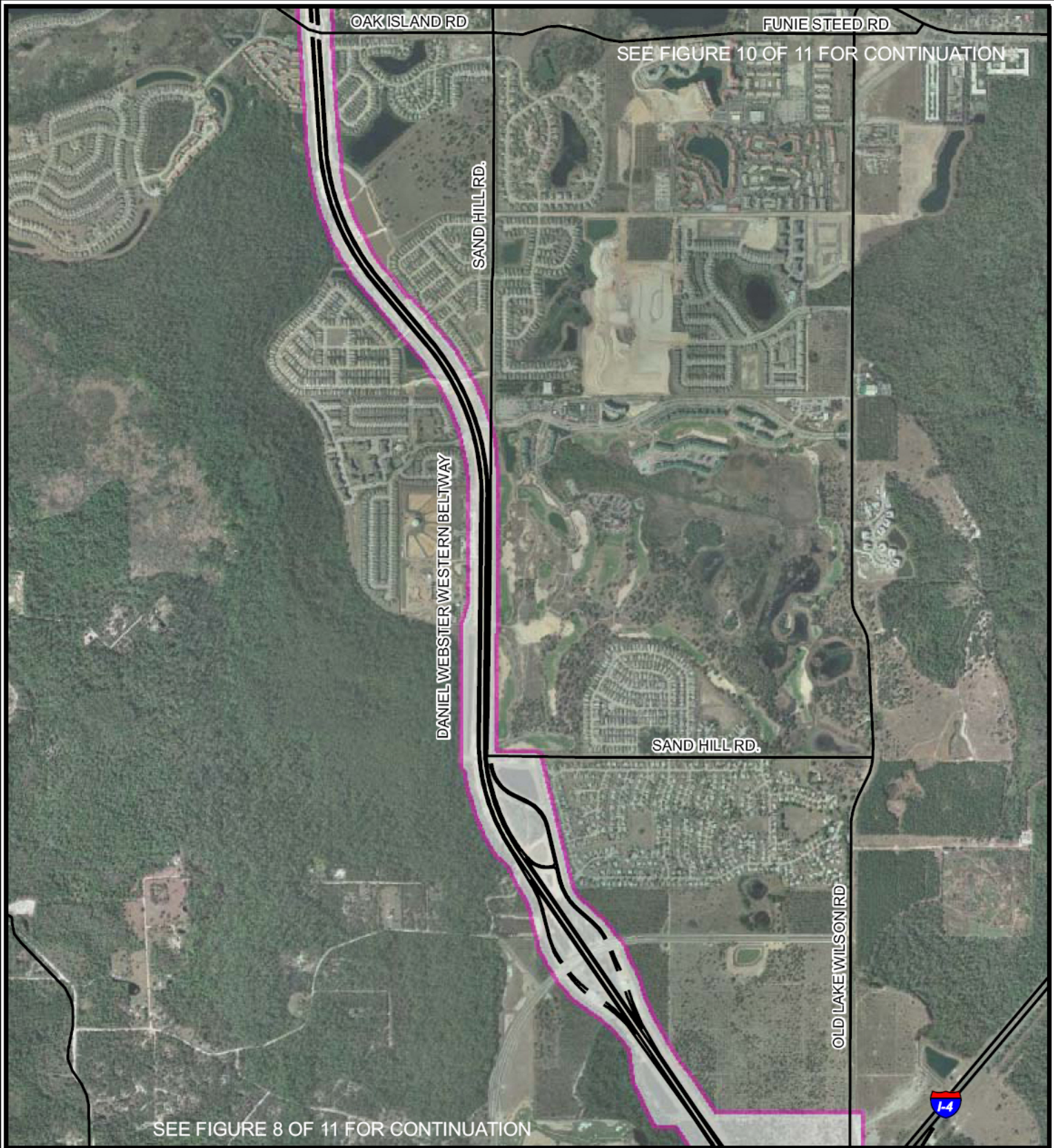
PROJECT  
PROGRESS ENERGY FLORIDA AND TAMPA ELECTRIC COMPANY  
LAKE AGNES TO GIFFORD  
230kV JOINT TRANSMISSION LINE PROJECT

TITLE

#### AERIAL PHOTOGRAPH



|                       |     |           |                                   |        |
|-----------------------|-----|-----------|-----------------------------------|--------|
| PROJECT No. 073-89532 |     |           | SCALE AS SHOWN                    | REV. 0 |
| DESIGN                | JWT | 8/22/2007 | <b>ATT 2-1</b><br><b>10 OF 11</b> |        |
| GIS                   | JWT | 12/3/2007 |                                   |        |
| CHECK                 | KK  | 12/3/2007 |                                   |        |
| REVIEW                | MM  | 12/3/2007 |                                   |        |

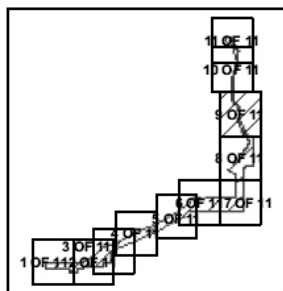


#### LEGEND

- Existing substation
- Planned substation
- Preferred Corridor
- Service territory
- County boundaries
- Railroads
- Major roads

#### REFERENCE

1. Major roads - Florida Department Of Transportation, 4/2006
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2,000 0 2,000 Feet

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 PROGRESS ENERGY FLORIDA AND TAMPA ELECTRIC COMPANY  
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TITLE

#### AERIAL PHOTOGRAPH



|                       |                |           |
|-----------------------|----------------|-----------|
| PROJECT No. 073-89532 | SCALE AS SHOWN | REV. 0    |
| DESIGN                | JWT            | 8/22/2007 |
| GIS                   | JWT            | 12/3/2007 |
| CHECK                 | KK             | 12/3/2007 |
| REVIEW                | MM             | 12/3/2007 |

ATT 2-1  
 9 OF 11

## SURVEY Results

### Lake Agnes to Gifford – A Joint Transmission Line Project

Progress Energy and Tampa Electric have completed the preliminary analysis that has identified potential corridors and would like to hear from you. Below is a list of criteria that Progress Energy and Tampa Electric are considering in the corridor selection process.

Please rank the following criteria from “1 – Most Important” to “12 – Least Important”. *Each number should be used only once.* Your answers will help the study team understand public interests and concerns, and will allow the team to compile and analyze this information in the corridor selection process. Thank you for your input.

| Rank | Criteria                                                                                                                                                                   | Comment |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1    | Minimize the number of residences within a corridor and 250 feet from a corridor boundary.                                                                                 | 45.90%  |
| 10   | Minimize the corridor length through existing parks, recreation areas or other designated conservation lands.                                                              | 19.35%  |
| 7    | Minimize the length of a corridor through cultural resources (i.e., historical and archaeological sites).                                                                  | 21.31%  |
| 8    | Minimize number of school properties within a corridor and 500 feet from a corridor boundary.                                                                              | 19.67%  |
| 5    | Maximize length of a corridor where public road right-of-way or established electrical utility corridors are available.                                                    | 23.73%  |
| 11   | Maximize length of a corridor where another linear facility (i.e., water, sanitary sewer, natural gas lines) exists along which Tampa Electric/Progress Energy can locate. | 18.97%  |
| 12   | Minimize number of parcels or lots crossed by a corridor.                                                                                                                  | 15.00%  |
| 8    | Minimize length of forested wetlands crossed by a corridor.                                                                                                                | 19.67%  |
| 6    | Minimize length of herbaceous wetlands crossed by a corridor.                                                                                                              | 23.33%  |
| 2    | Minimize number of protected species within a corridor.                                                                                                                    | 34.43%  |
| 3    | Minimize number of eagle nests within 0.5 mile of a corridor boundary.                                                                                                     | 26.32%  |
| 4    | Minimize cost of construction for our overall customer base.                                                                                                               | 25.00%  |

#### ALTERNATE CORRIDORS (see map)

The alternate corridor map identifies five potential corridors (1, 2, 3, 4, and 5). Please provide us any comments you may have on these identified corridor, including preference, issues, or information that you may have.

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## Relevant Exhibits from OIC

Exhibit 1: close up of Applicants Attachment 2-1, page 9 of 11

- Shows the Preferred Corridor in an aerial used by Applicants and the homes potentially affected by the size of the Preferred Corridor

Exhibit 2: Improved Clarity of Affected Area with Preferred Corridor Width

- Shows the same aerial as Exhibit 1 and Attachment 2-1, page 9 of 11, but using an improved aerial of the Affected Area and the homes impacted by the Corridor

Exhibit 3: Summary of Land Use, Cover and Forms Classification Codes in Affected Areas

- Consolidates Applicants Attachment 2-4, pages 9,10 and 12, to demonstrate that the Alternate Corridor only transverses benign classifications

Exhibit 4: Aerial View showing Alternate Corridor

This exhibit uses an aerial photo of Applicant's Attachment 2-1, pages 9 and 10 of 11, and superimposes a 250 foot wide corridor along the Alternate Route proposed by OIC.

## EXHIBIT 1

Close up of Applicants Attachment 2-1 (9 of 11)



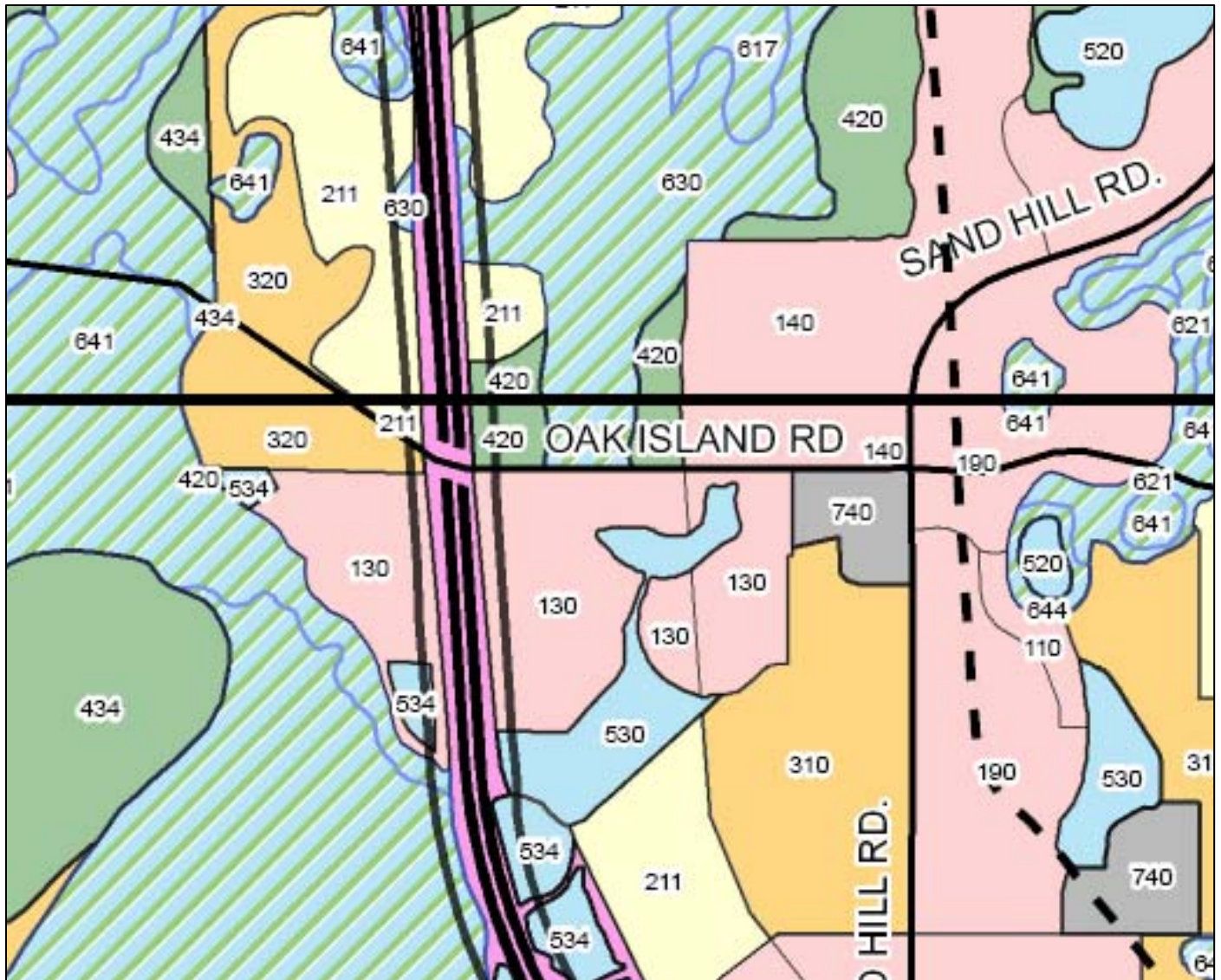
## EXHIBIT 2

### Improved Clarity of affected area with corridor lines



## EXHIBIT 3

### Summary of Land Use, Cover and Forms Classification Codes in Affected Area



#### Florida Land Use, Cover and Forms Classification Codes

##### 130 Residential, High Density

211 Improved Pastures

320 Shrub & Brushland

420 Upland Hardwood Forest

630 Wetland Forested Mixed

641 Freshwater Marshes

## EXHIBIT 4

Aerial View showing Alternate Corridor

