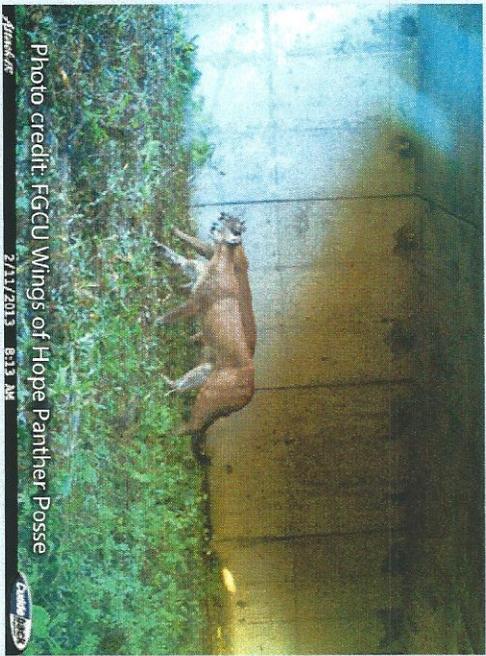


# FDOT Wildlife Crossing Guidelines

**SR 29**  
From CR 832 (Keri Rd)  
to F Road

- » 7 Components Required
- » Evaluations Conducted for
  - Sears Road Canal
  - Roberts Canal
  - Twelvemile Slough



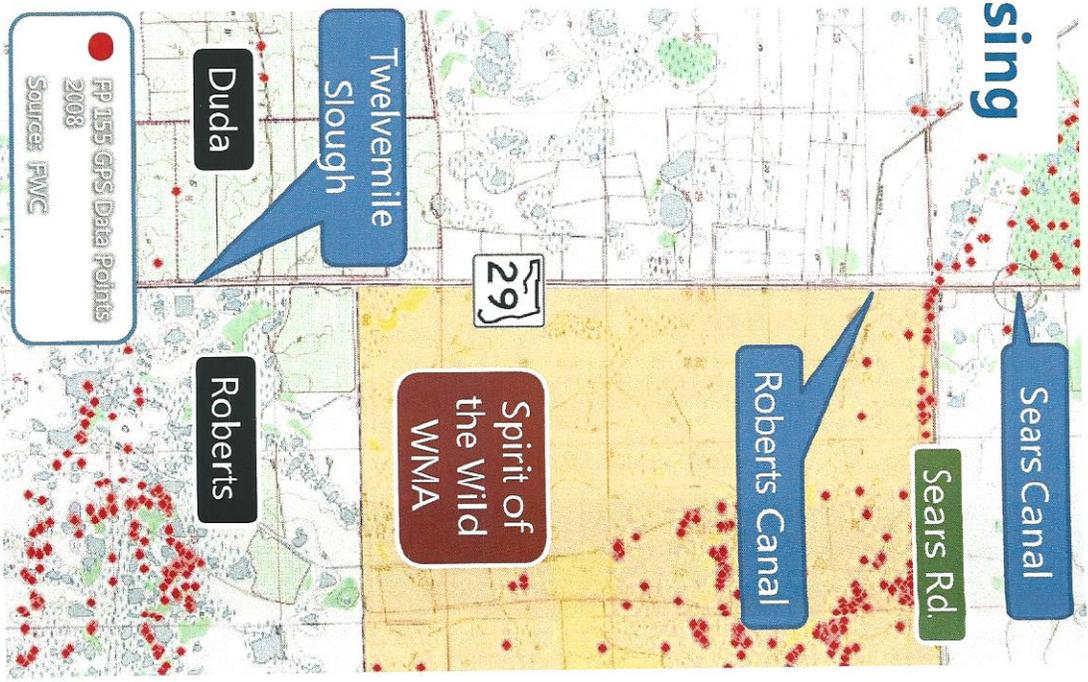
- 1 The FWC and/or USFWS have expressed a science-based need for a wildlife crossing for a target species ✓
- 2 There are listed species documented within the project area and the project area has been shown to be utilized by these species. ✓
- 3 There are documented recent road kills of listed species within the project area ✓
- 4 The project is within the primary or secondary range of a listed species (e.g., panther, black bear). ✓
- 5 The project crosses a documented landscape level habitat linkage for the target species. ✓
- 6 The project is within a known area of wildlife/vehicle strikes (motorist safety). ✓
- 7 **Public lands or lands under perpetual conservation easement are present (or will be present at the time of design) in sufficient amounts, on both sides of the road (adjoining and contiguous) where the crossing will be located in order to ensure future land use is compatible with the target species' needs.** ✓

**Need  
More  
Info**

# Twelvemile Slough – Potential Wildlife Crossing

- » Box Culvert
- » Duda is single landowner on west
  - Rodina Sector Plan
    - » 40-50 year Development Plan
    - » Established 3,744 acres Conservation Areas
    - » Twelvemile Slough planned for long term agriculture
- » Roberts Estate single landowner on east
  - Planned Florida Forever Acquisition
  - Roberts has worked with the Habitat & Conservation Plan (HCP)

|      | Twelvemile Slough | Landowner | Wildlife Crossing Criteria Met? |
|------|-------------------|-----------|---------------------------------|
| West |                   | Duda      | No                              |
| East |                   | Roberts   | No (HCP Participant)            |



# Sears Road Canal – Potential Wildlife Crossing

- » Box Culvert (currently)
  - » Duda is single landowner on west
    - Rodina Sector Plan
      - » 40-50 year Development Plan
      - » Established 3,744 acres Conservation Areas
      - » Twelvemile Slough planned for long term agriculture
    - » Sears Road Canal Area is within Panther Protection Area
  - » McClure single landowner on east
    - Planned Florida Forever Acquisition

| Twelvemile Slough | Landowner | Wildlife Crossing Criteria Met?           |
|-------------------|-----------|---|
| West              | Duda      | Yes (Rodina Panther Protection Area)      |
| East              | McClure   | No (Florida Forever Targeted Acquisition) |



# Sears Road Canal – Potential Wildlife Crossing

**SR 29**  
From CR 832 (Keri Rd) to F Road

- » Box Culvert (currently)
- » Duda is single landowner on west
  - Rodina Sector Plan
  - » 40-50 year Development Plan
  - » Established 3,744 acres Conservation Areas
  - » Twelvemile Slough planned for long term agriculture
  - » Sears Road Canal Area is within Panther Protection Area
- » McClure single landowner on east
  - Planned Florida Forever Acquisition

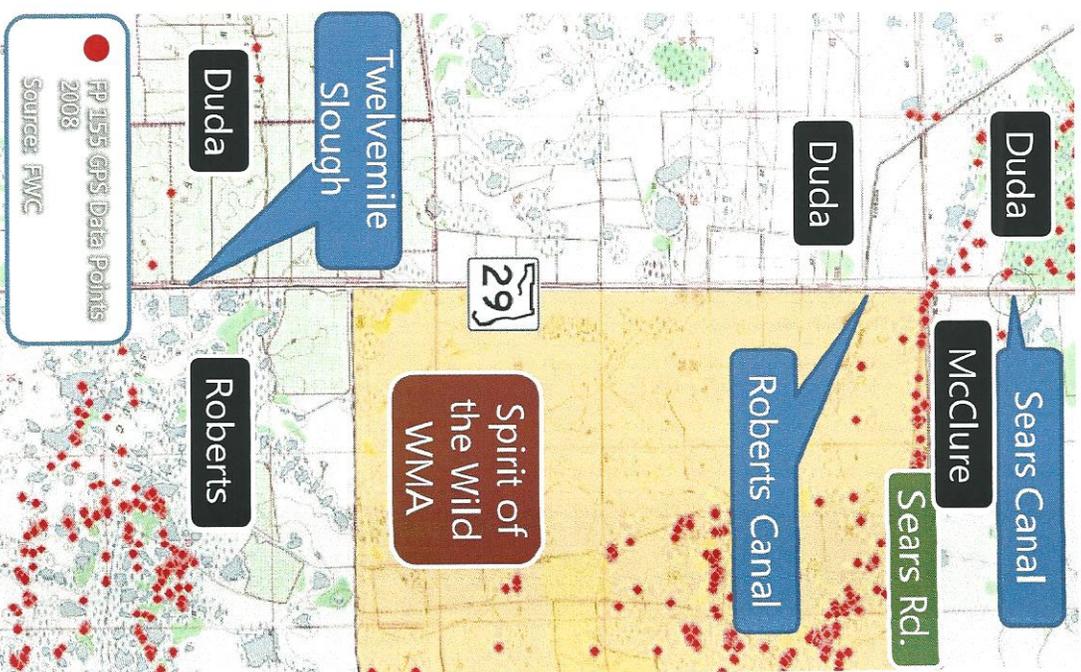
|             | Twelvemile Slough | Landowner      | Wildlife Crossing Criteria Met?           |
|-------------|-------------------|----------------|---|
| <b>West</b> |                   | <b>Duda</b>    | Yes (Rodina Panther Protection Area)      |
| <b>East</b> |                   | <b>McClure</b> | No (Florida Forever Targeted Acquisition) |



# Roberts Canal – Potential Wildlife Crossing

- » Box Culvert (currently)
- » Duda is single landowner on west
  - Rodina Sector Plan
  - » *Roberts Canal Area is within Panther Protection Area*
- » Spirit of the Wild Wildlife Management Area (SWWMA) on East

|      | Twelvemile Slough | Landowner | Wildlife Crossing Criteria Met?      |
|------|-------------------|-----------|--------------------------------------|
| West |                   | Duda      | Yes (Rodina Panther Protection Area) |
| East |                   | SWWMA     | Yes                                  |



# Roberts Canal – Potential Wildlife Crossing

**SR 29**  
From CR 832 (Keel Rd)  
to F Road

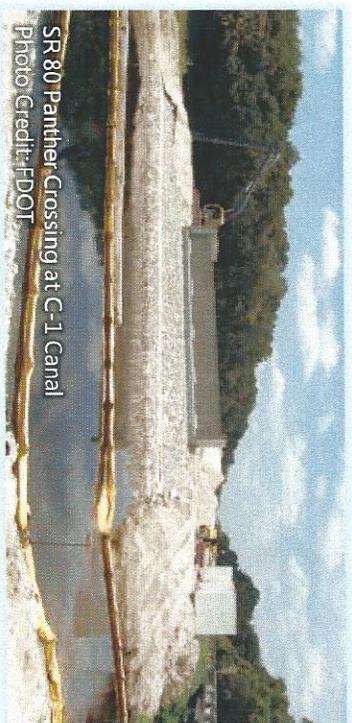
- » 7 Components Required
- » All 7 Components Met at Roberts Canal
- » 2011 roadkill at Roberts

- 1 The FWC and/or USFWS have expressed a science-based need for a wildlife crossing for a target species 
- 2 There are listed species documented within the project area and the project area has been shown to be utilized by these species. 
- 3 There are documented recent road kills of listed species within the project area 
- 4 The project is within the primary or secondary range of a listed species (e.g., panther, black bear). 
- 5 The project crosses a documented landscape level habitat linkage for the target species. 
- 6 The project is within a known area of wildlife/vehicle strikes (motorist safety). 
- 7 **Public lands or lands under perpetual conservation easement are present (or will be present at the time of design) in sufficient amounts, on both sides of the road (adjoining and contiguous) where the crossing will be located in order to ensure future land use is compatible with the target species' needs.** 

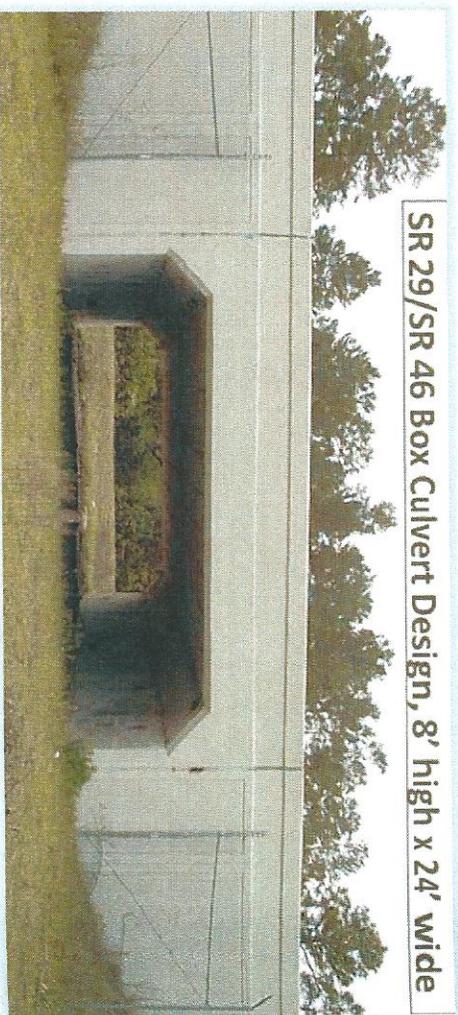
# Crossing Designs

**SR 29**  
From CR 832 (Keri Rd)  
to F Road

- » Variety of Types
  - Bridges
  - Box Culverts
  - ConSpan
- » “Panthers do not care about the type and will use any crossing available” – Darryll Land (FWC)



SR 80 Panther Crossing at C-1 Canal  
Photo Credit: FDOT



SR 29/SR 46 Box Culvert Design, 8' high x 24' wide



Immokalee Road/Camp Keais Strand

# Wildlife Fencing – Effective Channelization

**SR 29**  
From CR 832 (Keri Rd) to F Road

- » Normally included 200'-300' adjacent to crossings
- » Panthers will take the path of least resistance.
- » **Recommend fencing SWWMA from Roberts Canal to Sears Road along SWWMA.**
- » **Wildlife crossing will accelerate Section 7 Consultation**

