

Link to workbook:

<https://www.fdot.gov/programmanagement/implemented/workbooks/jan-2022-workbook#sp>

SP0070104-2 **Bald Eagle**

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (BALD EAGLE).**

**(REV 6-16-17) (FA 6-28-17) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The following active bald eagle (*Haliaeetus leucocephalus*) nests are located within 660 feet of the project as shown in the Plans:

Nest # (note which buffer zone nest falls within)

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No construction activities can occur, including staging of equipment, within 330 feet of any active bald eagle nest during nesting season (October 1 – May 15, or until all nestlings fledge).

Conduct construction activities occurring between 330 feet and 660 feet from an active bald eagle nest during nesting season as directed by the Engineer, who will act in coordination with the nest monitor provided by the Department. Stop work when directed by the Engineer and do not resume work within the monitoring area until approval is received from the Engineer.

Construction activities more than 660 feet from a nest may be conducted, at any time of year, with no coordination required with the USFWS or FWC.

When new or alternate nests are observed, follow the bald eagle species guidelines posted in the URL address in 7-1.4.

SP0070104-1 **Bear**

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (BEAR).**

**(REV 6-6-17) (FA 6-13-17) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that Florida black bears (*Ursus americanus floridanus*) occur in the project area. Unless stored overnight in a sealed, manufacturer-labeled bear-resistant container or in a locked metal container, remove garbage and food debris from the construction site daily to eliminate possible sources of food that could encourage and attract bears. Human bear conflicts are to be reported to the FWC Hotline at 1-888-404-3922.

SP0070104-3 Gopher Tortoise

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (GOPHER TORTOISE).**

**(REV 6-15-17) (FA 6-20-17) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

Certain gopher tortoise (*Gopherus Polyphemus*) burrows are to remain within the project area, as shown in the Plans, and must be protected. Avoid ground disturbing impacts within a 25 foot radius of each burrow. Install and maintain silt fence in accordance with Section 104 as a means of burrow avoidance, ensuring that it opens towards the offsite project limits, does not herd tortoises toward an obstacle, and that burrows are not fully encircled. Install fence prior to any other construction activity. Replace fence in the same location as the original fence. Remove fence upon completion of construction.

Silt fence intended for burrow avoidance may also be used as silt fence for erosion control but shall not be considered as the only silt fence needed for erosion control purposes within the project limits.

Follow the gopher tortoise species requirements posted in the URL address in 7-1.4 when gopher tortoises are observed or previously unidentified burrows are discovered.

SP0070104-7 Indigo Snake

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC –LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (INDIGO SNAKE).**

**(REV 5-25-17) (FA 6-13-17) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that eastern indigo snake (*Drymarchon corais couperi*) habitat exists in the project limits. Implement the Standard Protection Measures for the Eastern Indigo Snake published by the US Fish and Wildlife Service which are available at: [http://www.fws.gov/northflorida/IndigoSnakes/20130812\\_Eastern\\_indigo\\_snake\\_Standard\\_Protection\\_Measures.htm](http://www.fws.gov/northflorida/IndigoSnakes/20130812_Eastern_indigo_snake_Standard_Protection_Measures.htm).

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (MANATEE).**

**(REV 5-13-20) (FA 6-29-20) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that the project occurs within the known habitat of manatees (*Trichechus manatus*).

The Department will provide instruction at a preconstruction meeting regarding:

1. The presence of the species and manatee speed zones.
2. The appearance, habits and biology of the species.
3. Their protected status.
4. The need to avoid collisions with and injury to the species.
5. The civil and criminal penalties for harming, harassing, or

killing these species.

Advise all work crews of this information.

Operate all vessels at “Idle Speed/No Wake” at all times while in the construction area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. Follow routes of deep water whenever possible.

Do not dredge river bottom for barge access.

Lower all equipment or material to the mudline in a controlled descent. Do not allow freefall of any equipment or material below the water surface.

Use fenders or buoys to prevent entrapping manatees between vessels and other structures

Maintain taut mooring lines. If slack remains in the line, sleeve the line with PVC.

Advise all on-site project personnel they are responsible for observing water-related activities for the presence of manatees. Follow the requirements posted in the URL address in Spec 7-1.4 when manatees are observed.

Except for projects in Bay, Escambia, Franklin, Gilchrist, Gulf, Jefferson, Lafayette, Okaloosa, Santa Rosa, Suwannee and Walton:

1. Sediment or turbidity barriers shall be made of material which manatees cannot become entangled, shall be secured, and shall be monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.

2. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the Contractor upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads “Caution: Boaters”, must be posted in a location conspicuous to boating traffic. A second sign measuring at least 8-1/2 inches by 11 inches, explaining the requirements for “Idle Speed/No Wake” and the shutdown of in-water operations, must be posted in at least one location prominently visible to all onsite project personnel engaged in water-related activities. These signs can be viewed at:

<https://myfwc.com/wildlifehabitats/wildlife/manatee/education-for-marinas/>

SP0070104-9 Seagrass Beds

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED – COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (SEAGRASS BEDS).**

**(REV 10-3-18) (FA 12-11-18) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that seagrass beds are located within or nearby the project area. The approximate location of the seagrass beds is provided in the Plans.

Do not place material or equipment, including barge anchorage and turbidity barriers, over or within seagrass beds to prevent shading and scour impacts.

Avoid seagrasses whenever possible and operate at no wake speeds when transiting areas containing seagrass beds. Maintain a minimum one-foot vessel clearance over seagrass beds.

SP0070104-5 Smalltooth Sawfish

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (SMALLTOOTH SAWFISH).**

**(REV 5-25-17) (FA 6-13-17) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that the project occurs within the known habitat of smalltooth sawfish (*Pristis pectinata*).

The Department will provide instruction at a preconstruction meeting regarding:

1. The presence of species and limits of critical habitat.
2. The appearance, habits and biology of the species.
3. Their protected status.
4. The need to avoid collisions with these species.
5. The need to avoid any actions that would jeopardize the

existence of these species.

6. The civil and criminal penalties for harming, harassing, or

killing these species.

Advise all work crews of this information.

Provide sediment and turbidity barriers constructed of material in which a smalltooth sawfish cannot become entangled. Secure and monitor the sediment and turbidity barriers to avoid protected species entrapment. Sediment and turbidity barriers may not block smalltooth sawfish entry to or exit from designated critical habitat without prior approval of the Engineer and concurrence from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.

Operate all vessels at "Idle Speed/No Wake" at all times while in the construction area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. Follow marked channels or routes of deep water whenever possible.

All on-site project personnel are responsible for observing water-related activities for the presence of smalltooth sawfish. When smalltooth sawfish are observed, follow the smalltooth sawfish guidelines posted in the URL address in 7-1.4.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (SEA TURTLE).**

**(REV 5-25-17) (FA 6-28-17) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that the project occurs within the known habitat of sea turtles (*Caretta caretta*, *Chelonia mydas*, *Dermochelys coriacea*, *Lepidochelys kempi*, *Eretmochelys imbricate*).

The Department will provide instruction at a pre-construction meeting regarding:

1. The presence of species and limits of critical habitat.
2. The appearance, habits and biology of the species.
3. Their protected status.
4. The need to avoid collisions with these species.
5. The need to avoid any actions that would jeopardize the existence of these species.
6. The civil and criminal penalties for harming, harassing, or killing these species.

Advise all work crews of this information.

Provide sediment and turbidity barriers constructed of material in which a sea turtle cannot become entangled. Secure and monitor the sediment and turbidity barriers to avoid protected species entrapment. Sediment and turbidity barriers may not block sea turtle entry to or exit from designated critical habitat without prior approval of the Engineer and concurrence from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.

Operate all vessels at "Idle Speed/No Wake" at all times while in the construction area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. Follow marked channels or routes of deep water whenever possible.

All on-site project personnel are responsible for observing water-related activities for the presence of sea turtles. When sea turtles are observed, follow the sea turtle species guidelines posted in the URL address in 7-1.4.

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED - COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (STURGEON).**

**(REV 6-24-20) (FA 8-24-20) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that the project occurs within the habitat of Atlantic, Gulf or Shortnose sturgeon.

The Department will provide instruction at a preconstruction meeting regarding:

1. The presence of the species.
2. The appearance, habits, biology, migratory patterns and preservation of the species.
3. Their protected status.
4. The need to avoid collisions with these species.
5. The civil and criminal penalties for harming, harassing, or killing these species.

Provide a spotter for the following:

Projects with Gulf sturgeon in estuarine/marine habitats from Tampa Bay Northward to Pensacola from November 1<sup>st</sup> through April 30<sup>th</sup>.

Projects with Gulf sturgeon in riverine habitats from March 1<sup>st</sup> through October 31<sup>st</sup>.

Projects with Atlantic and Shortnose sturgeon in all habitat types, from Cape Canaveral Northward to Jacksonville, year-round. During required timeframe, spotter will maintain constant surveillance for the species during in water work activities, which include pile driving, vessel operations, both motorized and non-motorized, and extending equipment or material in the water, and assure adherence to the requirements posted in the URL address in Spec 7-1.4.

Do not restrict passage for these fish.  
Post signs on site warning of the presence of sturgeon and their federal protection.

Use floating turbidity barriers made of material which sturgeon cannot become entangled or entrapped. Properly secure, regularly monitor and maintain all deployed sediment and turbidity barriers. Immediately free sturgeon trapped in sediment or turbidity barriers.

Do not dredge the river bottom for barge access.  
Lower all equipment or material to the mudline in a controlled descent. Do not allow freefall of any equipment or material below the water surface.

SP0070104-10 Bats

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED – COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (BATS).**

**(REV 12-7-18) (FA 1-4-19) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

Maintain the previously installed bat exclusion devices to prevent future bat roosting during construction on Bridge No(s) [REDACTED]

Immediately repair exclusion devices that become torn or damaged. Repairs must be conducted by a qualified specialty contractor or experienced biologist. Remove the exclusion devices upon completion of construction. Notify the Engineer if bats, bat remains, or new evidence of roosting is found.

SP0070104-11 Bats in Bridges

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – LAWS TO BE OBSERVED – COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS (BATS IN BRIDGES).**

**(REV 12-7-18) (FA 12-11-18) (1-22)**

SUBARTICLE 7-1.4 is expanded by the following:

The Department has determined that bats occupy Bridge No(s) [REDACTED] and their associated retaining walls.

Install bat exclusion devices on the structure prior to commencing work on the structure. At the Pre-construction conference, submit a Bat Exclusion Plan outlining entry and exit point identification, installation of exclusion devices, methodology for securing all openings half an inch or greater in size, and monitoring methodology. Provide a specialty contractor or biologist experienced in performing bat exclusions to implement the Bat Exclusion Plan. Initial installation of bat exclusion devices can only occur from August 15<sup>th</sup> through April 15<sup>th</sup>.

Maintain all exclusion devices throughout work on the structure. Immediately repair damaged or altered exclusion devices that could allow reentry of bats. Repairs must be conducted by a qualified specialty contractor or experienced biologist. Remove the exclusion devices upon completion of construction. Notify the Engineer if bats, bat remains, or new evidence of roosting is found.