**LAP ENVIRONMENTAL DESKTOP AND FIELD REVIEW CHECKLIST**

Final 10/8/2018

FM#:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Federal Aid Project #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Name and Limits: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Scope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

County:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Project Manager:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reviewer(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Class of Action:** □ Type I CE

**Project Scope:**

YES NO Are there capacity improvements (added travel lanes) associated with the project? (If so, then the project does not qualify as a Type 1 CE).

YES NO Are there any bridges on the project corridor? Does the scope include any bridge work other than resurfacing? If the project involves bridge reconstruction, will there be any blasting or pile driving activities?

YES NO Will any right of way be acquired for the proposed project?

YES NO Will there be any additional detention ponds for the project? Where will they be located? Are there any natural or physical features that may be impacted by ponds? Where are the outfalls, if any, and do they impact any natural or physical features?

YES NO Is the project near the beach? Will it involve replacement of lighting? Should sea turtle lighting be evaluated?

YES NO Does the project cross the Intracoastal Waterway?

YES NO *Navigation*: Is a U.S. Coast Guard Permit required (navigable waterways, excluding repair work) for the proposed project? If you are unsure of whether a permit is required, contact the District permits staff and/or the USCG and provide coordination documentation for the file.

*Notes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

**Desktop Review:**

YES NO Were aerial photographs reviewed on one or more of the following sites?

 □ <http://maps.google.com/>

 □ <http://www.bing.com/>

YES NO Were historical aerials reviewed?

 □ <http://ufdcweb1.uflib.ufl.edu/ufdc/?c=flap>

Note: Historical aerial photographs are available from FDOT’s APLUS system at <http://www2.dot.state.fl.us/surveyingandmapping/aplus.internet/main.aspx>. You must create an account to use this service. Requested aerials can be obtained in 24-48 hours on the FTP site. (While not normally used for Design Phase Reviews, this could be a useful tool if needed).

YES NO Were applicable street/parcel maps reviewed for the project?

YES NO Were various agency databases accessed for information regarding potentially contaminated properties including, but not limited to, the following sites?

□ Florida Geographic Data Layers (FGDL) at http://www.fgdl.org/metadataexplorer/explorer.jsp – note: Obtain the facility ID number for petroleum sites.

□ FDEP’s OCULUS: <http://depedms.dep.state.fl.us/Oculus/servlet/login> - search by Facility ID number for known petroleum sites to verify location and regulatory status of sites identified on ETDM.

□ FDEP’s OCULUS search by lat/long, address, county, city or zip code: <http://www.dep.state.fl.us/waste/quick_topics/database_reports/pages/stcm/stcm_reports.htm>. Search for all contaminated facilities by lat/long by choosing a radius from the corridor’s centerpoint. Be sure to cover entire project corridor. Search by address or zip code to determine the status of any existing tanks at the site AND historic conditions (i.e. – old USTs removed in the 70’s may present an unreported contamination condition)

□ FDEP’s MapDirect Contamination Locator: <http://ca.dep.state.fl.us/mapdirect/?focus=contamlocator>

□ USEPA’s EnviroMapper: <http://www.epa.gov/emefdata/em4ef.home>

□ Broward County Interactive Map of Contaminated Sites (if applicable)

<https://www.broward.org/POLLUTIONPREVENTION/CONTAMINATEDSITES/Pages/SiteLocations.aspx>

□ Palm Beach County (if applicable):

Environmental Access Search Index: <http://maps.co.palm-beach.fl.us/gis/easi.aspx>?

Countywide Information Network: http://files.co.palm-beach.fl.us/cinema/pbc.cinema.welcome

*Additional databases that may be searched for information include:*

FDEP’s Dry Cleaner Priority Ranking List (to determine the regulatory status of a contaminated dry cleaner) – link is located on the following site:

<http://www.dep.state.fl.us/waste/categories/drycleaning/default.htm>

FDEP’s Solid Waste (Landfill) Facility Locator – link is located on the following site:

<http://www.dep.state.fl.us/waste/quick_topics/database_reports/default.htm>

FDEP other sites:

http://www.dep.state.fl.us/waste/quick\_topics/database\_reports/pages/stcm/stcm\_reports.htm

Florida National Priority List (Superfund) Sites: https://[www.dep.state.fl.us/waste/categories/wc/pages/cleanup/pages/nplsites.htm](http://www.dep.state.fl.us/waste/categories/wc/pages/cleanup/pages/nplsites.htm)

State Funded Cleanup Program – https://www.dep.state.fl.us/waste/categories/wc/pages/cleanup/pages/statesites.htm

EPA other sites:

 <http://www.epa.gov/region4/compliance/index.html>

 <http://www.epa.gov/superfund/sites/npl/npl.htm>

 <http://www.epa.gov/region4/>

EPA Federal Superfund, RCRA and Brownfield sites mapper:

<http://www2.epa.gov/cleanups/cleanups-my-community>

YES NO Were the Florida Geographic Data Layers (FGDL) reviewed for the project area? Data is available for download free of charge from FGDL METADATA EXPLORER or their FTPsite (<http://www.fgdl.org/metadataexplorer/explorer.jsp>).

YES NO Were the Efficient Transportation Decision Making (ETDM) Environmental Screening Tool (<https://www.fla-etat.org/est/>) layers listed below in italics reviewed, and relevant maps or figures created and printed out for the project area?

***Coastal and Marine***

YES NO Is the project located within an Outstanding Florida Waterway, Aquatic Preserve, or a Wild and Scenic River?

YES NO Is the project located within the Loxahatchee Wild and Scenic River basin?

YES NO *CBRA*: Is the project located within a Coastal Barrier Resource Area?

YES NO Are there mangroves in the project area?

***Contamination***

YES NO Are there any contaminated gas stations or underground storage tanks? If so document the address and the Facility ID number.

YES NO Are there any contaminated dry cleaners? If so document the address.

YES NO Are there any landfills (solid waste disposal sites or recycling facilities) or hazardous waste facilities?

YES NO Are there any Superfund sites, National Priorities Sites or areas documented as brownfields?

***Floodplains***

YES NO *Floodplain*:Is the project located within a 100-year floodplain?

 <https://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView?storeId=10001&catalogId=10001&langId=-1>

***Historic and Archaeological Sites***

YES NO *Section 106*: Are there historic structures or archaeological sites near the project corridor? Have they been evaluated by SHPO? What was the result of the evaluation (eligible or ineligible for the NRHP)? Has a Cultural Resources survey of the area been done within the last 5 years?

***Recreation Areas***

YES NO Are there any State parks, recreational trails or Greenways?

***Section 4(f) Potential***

YES NO Does it appear that a taking of publicly owned property (i.e. parks, recreation areas, conservation areas, etc.) will be necessary?

***Wetlands***

YES NO Are there any mitigation banks or National Wetland Inventory areas?

***Wildlife and Habitat***

YES NO *Seagrass*:Are there seagrasses within the vicinity of the project corridor? Will construction activities require in-water work?

YES NO Are there any Consultation Areas, wildlife refuges, FNAI managed areas, or documented wildlife or listed plant occurrences?

YES NO Was the eagle nest database checked? (<https://public.myfwc.com/FWRI/EagleNests/nestlocator.aspx>)

YES NO Is the project located within a manatee zone or within Critical Habitat for the manatee?

http://www.biologicaldiversity.org/species/mammals/Florida\_manatee/pdfs/West\_Indian\_manatee\_critical\_habitat.pdf

YES NO Is the project located within Johnson’s seagrass Critical Habitat?

 <http://www.nmfs.noaa.gov/pr/pdfs/criticalhabitat/johnsonsseagrass.pdf>

**Field Visit:**

**Social and Economic Impacts** (*defined as potential impacts to community interaction, facilities and/or services, access, and safety*)**:**

YES NO *Community Services*:Are there any community buildings such as public schools, churches, hospitals, fire/police buildings, or community centers located within close proximity to the project?

YES NO *Social*:Does the project appear to cause any adverse impacts to local traffic patterns, property access, community cohesiveness, planned community growth, or land use patterns?

YES NO *Social*:Are there any residences, apartments, houses, or other dwellings in close proximity to the roadway? Do the rear yards of any of these structures lie adjacent to the project corridor?

**Cultural Impacts** (*defined as potential impacts to publicly owned parks and or recreation areas, known historical or archaeological sites, or other areas. Impacts can be a direct use of the property or can be a change in the view or appearance*)**:**

YES NO *Section 106*: Are there any older buildings, neighborhoods, or structures on or immediately adjacent to the project corridor (older buildings may have metal roofs, wooden siding and windows, or just appear “old” looking)? Obtain addresses for any suspect buildings. Will the aesthetics of any these sites be affected by the proposed project?

YES NO *Section 106*: Are any memorials, memorial plaques, historic markers, or interpretive signage observed within the vicinity of the project?

YES NO *Section 4(f)*: Are there any public recreation facilities such as public parks, boat launch or landing, recreation lands, publicly owned golf courses, wildlife refuges, waterfowl refuges, or aquatic preserves in the vicinity of the project?

YES NO *Section 4(f)*: Will access be blocked to any Section 4(f) properties?

**Wetlands** (*defined as potential impacts to areas designated by the permit agencies as wetlands based upon vegetation, presence of water, soils; in addition, there are further designations based upon the location of the wetland*)**:**

YES NO *Wetlands*:Are there mangroves, wetlands, or coastal dune plants within the vicinity of the project corridor? Are the wetlands freshwater or salt water? Are the wetlands isolated?

YES NO *Water Quality*: Are there drainage improvements proposed for the project? Are there new or modified drainage outfalls associated with the project? Are water quality impacts negligible or non-existent? Identify the type of water body if possible.

YES NO *Water Quality*: If the project involves bridge reconstruction, will there be any blasting or pile driving activities? Will turbidity be an issue?

**Wildlife and Habitat** (*defined as potential impacts to species and/or their habitat that are listed by the US Fish and Wildlife Service and/or the Florida Fish and Wildlife Conservation Commission as Threatened or Endangered***)** Refer to the LAP Tutorial for Threatened and Endangered Species data sources**:**

YES NO *Habitat*:Are there undeveloped lands located within or adjacent to the project area? Is the project located within or adjacent to any parks, preserves, or refuges?

YES NO *Protected Species*: Are there areas of scrub habitat within the vicinity of the project?

YES NO *Protected Species*: Are any gopher tortoise burrows or Eastern indigo snakes observed?

YES NO *Protected Species*: Most of D4 is located within a wood stork Core Foraging Area (CFA). Will work be occurring in wet swales or wetlands?

YES NO *Protected Species*: Is there burrowing owl habitat (sparsely vegetated sandy open fields) in the project area?

YES NO *Protected Species*: Is there caracara habitat (open grassland or prairie) in the project area?

YES NO *Farmlands*: Will any farmland impacts occur?

YES NO *Exotics*: Are there any exotic species (Australian pine, Brazilian pepper, melaleuca, *Lygodium*, etc.) within the right of way? Can they be removed without exposing neighborhoods to the roadway? Is exotic vegetation located near environmentally sensitive areas (Everglades, Intracoastal waterway, etc.)?

**Physical Impacts** (*defined as potential impacts to areas and/or sites that have contamination sources as indicated below or potential impacts to air quality*)**:**

YES NO *Noise*: Are there any residences, apartments, houses, or other dwellings in close proximity to the roadway? Do the rear yards of any of these structures lie adjacent to the project corridor?

YES NO *Noise*: Are there any existing noise walls within the project limits? Are there any gaps within the existing walls?

YES NO *Noise*: Are there any new developments within the project area that may qualify for noise abatement once the project is constructed?

YES NO *Contamination*: Check for the following and indicate if they are present. Take photographs of any potential contamination impacts and list the addresses of any potential properties of concern in the notes area below.

□ □ gas stations

□ □ dry cleaners

□ □ muffler/transmission shops or mechanic shops

□ □ printing shops

□ □ electrical repair shops

□ □ other industrial businesses

□ □ abandoned buildings, abandoned lots or buildings that look as if they may have been used for any of the above businesses previously?

□ □ monitoring wells, air strippers, or in-ground vaults within the project corridor or the proposed right of way

□ □ abandoned fenced compounds, equipment, or concrete pads with no apparent use

□ □ evidence of trenching not consistent with site paving

□ □ underground or above ground storage tanks

□ □ 55-gallon drums or other containers that may potentially contain hazardous materials

□ □ vent pipes (approximately 2” diameter vertical pipes, may be freestanding or attached to the side of a building, approximately 2-10’ from underground storage tanks)

□ □ emergency shut-off switches – large, single push buttons on a building wall

□ □ areas of dark or stained ground or stressed vegetation

□ □ agricultural properties with structures adjacent to the project corridor

□ □ evidence of pesticide storage or well pump equipment

YES NO *Contamination*: Are there any bridges on the project corridor? If so, please note Bridge # and type (i.e., concrete, bascule). Are the bridge pilings or fenders constructed of wood (potentially containing creosote)? Steel bridges may need to be tested for lead-based paint.

**Miscellaneous**

YES NO Does the project intersect or parallel any railroad or major utility lines?

YES NO Where will the staging areas be located on the project? Are there any areas that should or should not be used for staging?

**Review Documentation**

YES NO Are all of the following attached to this checklist:

 □ Printout of applicable ETDM map layers with relevant sites/polygons identified

 □ Copies of any relevant documents from reviewed databases

 □ Site photographs of features/areas that may be pertinent to the review (on a Word document with captions, if needed)

**Additional Notes:**

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