

**APPENDIX A**  
**Agency Correspondence**



**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

**Date:** February 24, 2020

**Notice:** Valued Stakeholders

**Subject:** Notice of Stakeholder Meeting for the Proposed Outpatient Clinic in the Daytona Beach Area

The U.S. Department of Veterans Affairs (VA), Office of Construction & Facilities Management, is proposing a long-term, fully serviced lease for construction and operation of a one or two-story approximately 144,215-square-foot Outpatient Clinic (OPC) with approximately 750 parking spaces in the Daytona Beach, Florida, area (see area of consideration in map below).

As part of the decision-making process, VA will undertake activities to comply with the National Environmental Policy Act (NEPA). VA is seeking input on issues to be addressed during the NEPA process, including environmental concerns. Concurrently, VA is seeking input to support future consultation under Section 106 of the National Historic Preservation Act regarding potential effects to historic properties. VA will also be consulting with the Florida Department of State – Division of Historic Resources and other consulting parties to identify historic properties that may potentially be affected by the undertaking, and to seek ways to avoid, minimize, or mitigate potential adverse effects.

NEPA requires that a federal agency provide the public with an opportunity to participate in the process of analyzing the impact of federal actions on the human environment. The purpose of this letter is to notify members of the community and other stakeholders of an opportunity to assist the VA in identifying issues, including environmental concerns that may occur as a result of the proposed Federal action.

VA is therefore requesting your presence at an agency scoping meeting to be held on **Wednesday, March 4, 2020**. VA will present information on the proposed project and you will have an opportunity to ask questions and submit comments. The location, time, and date are presented below:

**WHEN: Wednesday, March 4, 2020, from 10 am to 12 pm**

**WHERE: Fairfield Inn, 1820 Checkered Flag Blvd., Daytona Beach, FL 32114**

An additional meeting is being held from 1pm to 3 pm on March 4th at the same location for those unable to attend the 10 am meeting. Also, that evening, a public meeting will be held at the same location from 6:30 pm to 8:30 pm.

A public scoping comment period will be open through **March 31, 2020**. During this time, agencies and stakeholders are encouraged to provide written comments on the proposed action and identify potential issues or concerns for consideration in the NEPA process and NHPA Section 106 consultation. Comments received during the scoping period will be considered in the NEPA compliance process.

Comments may be submitted by email or mail as follows:

Email to Glenn Elliott ([glenn.elliott@va.gov](mailto:glenn.elliott@va.gov)) using the subject line  
"Daytona Beach OPC Scoping"

Mail to (postmarked by **March 31, 2020**):

Glenn Elliott

VA Office of Construction & Facilities Management (003C2)

425 I (Eye) Street NW

Washington DC 20001

If you have any questions, please contact Glenn Elliott at (202) 632-5879.

## AREA OF CONSIDERATION:





**DEPARTMENT OF VETERANS AFFAIRS**  
**Construction & Facilities Management**  
**425 I Street, NW**  
**Washington DC 20001**

**Date:** May 5, 2020

**Notice:** Valued Stakeholders

**Subject:** Updated NEPA Scoping: Proposed Daytona Beach VA Outpatient Clinic

The U.S. Department of Veterans Affairs (VA), Office of Construction & Facilities Management, is proposing to award a long-term, fully serviced lease for construction and operation of a one or two-story outpatient clinic (OPC) in the Daytona Beach, Volusia County, Florida area (Proposed Action). The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The proposed OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The OPC would be approximately 122,900 square feet and the site would include approximately 750 parking spaces. VA is considering four sites for the Proposed Action:

- **Site 1:** Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road in the City of Daytona Beach. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 42310000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.
- **Site 2:** Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard in the City of Daytona Beach. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 52040000040. Site 2 includes approximately 25 acres of undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.
- **Site 3:** Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard in the City of Daytona Beach. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 52040000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.
- **Site 4:** Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue in the City of Daytona Beach. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with

the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building.

The locations of the Sites are shown in **Attachments 1A – 1F**.

As part of the decision-making process, VA is conducting a National Environmental Policy Act (NEPA) Environmental Assessment (EA) to evaluate the environmental, cultural, and socioeconomic issues associated with the Proposed Action.

**Information Request:** Information your agency can provide on any of the following environmental issue areas (at or in the vicinity of the proposed Sites) would be appreciated. Examples of such information include, but are not limited to:

- Potential environmental concerns or issues;
- Surface and groundwater resources, including streams, wetlands, floodplains, open water features, wells, and local aquifers;
- Federally or state listed threatened or endangered species, or any species proposed for such listing, or critical habitat for such species that may occur within a one-mile radius around the proposed Sites;
- Parks, nature preserves, conservation areas, designated wild or scenic rivers, migratory bird habitats, or special wildlife issues;
- Natural resource issues;
- Soils and geologic data, including lists of hydric soils;
- Prime and unique farmland;
- Traffic, noise, or socioeconomic concerns;
- Records of site investigations, remediation agreements/orders, and related correspondence;
- Air quality concerns; and
- Additional environmental, cultural, land use, or socioeconomic information or concerns your agency may have with regard to the referenced Sites.

Data that you make available will be used to scope the NEPA analysis and will provide valuable and necessary input into the EA process. Your office, local citizens, groups, and public agencies, among others, will have opportunity to review and comment on the information and alternatives addressed in the EA.

VA will also be consulting with the Florida Department of State – Division of Historic Resources, Native American Tribes, and other consulting parties to identify historic properties that may potentially be affected by the undertaking, and to seek ways to avoid, minimize, or mitigate potential adverse effects.

We look forward to and welcome your participation in this process. **Please respond by May 27, 2020** to enable us to complete this scoping phase of the project within the scheduled timeframe.

**Please send your response via e-mail to:**

Glenn Elliott  
VA Office of Construction & Facilities Management  
[glenn.elliott@va.gov](mailto:glenn.elliott@va.gov)

Please put "Daytona Beach OPC NEPA Scoping" in the subject line.

If you have any questions, please contact Glenn Elliott at (202) 632-5879.

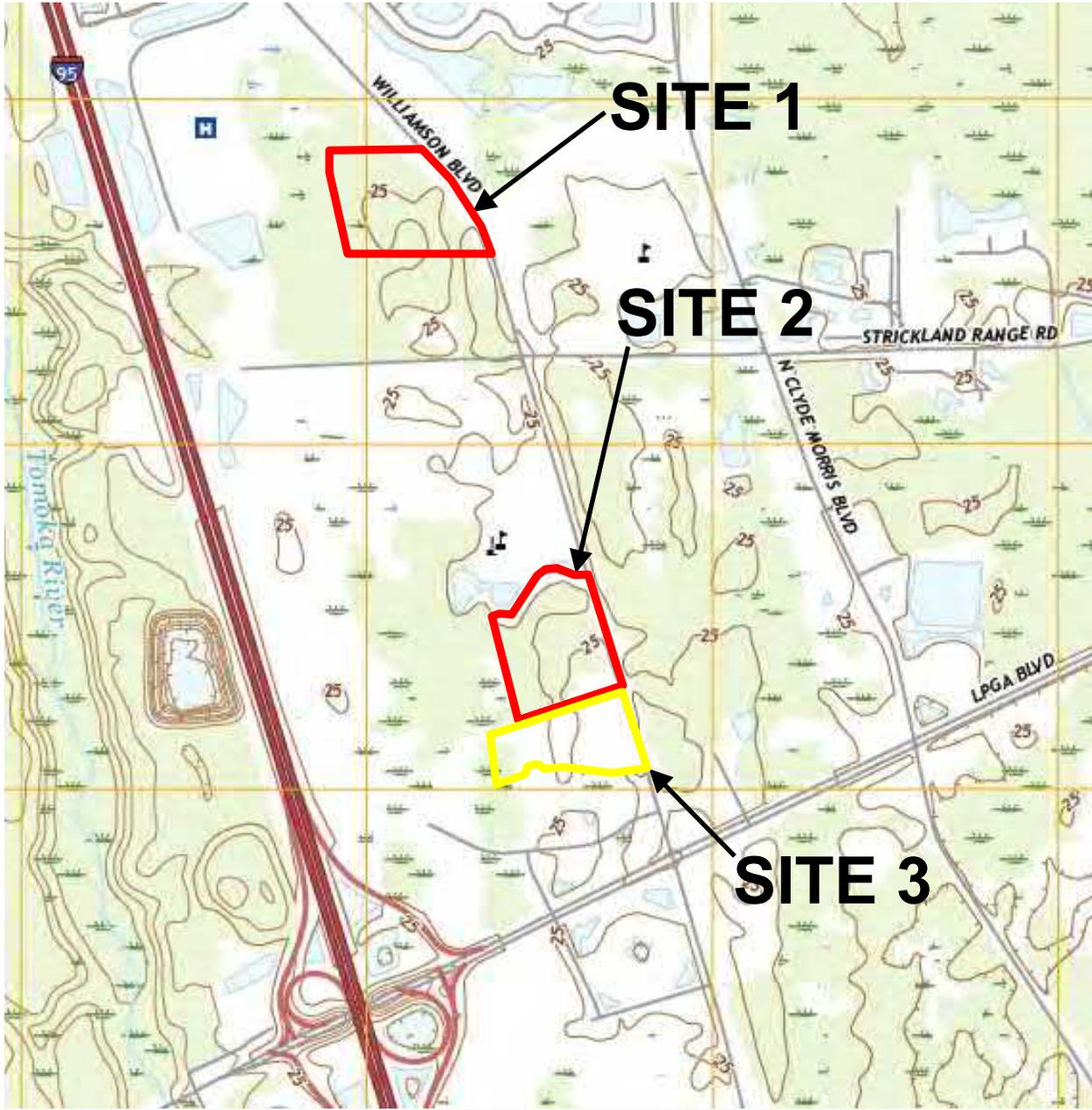
**ATTACHMENT 1A**

**SITES LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



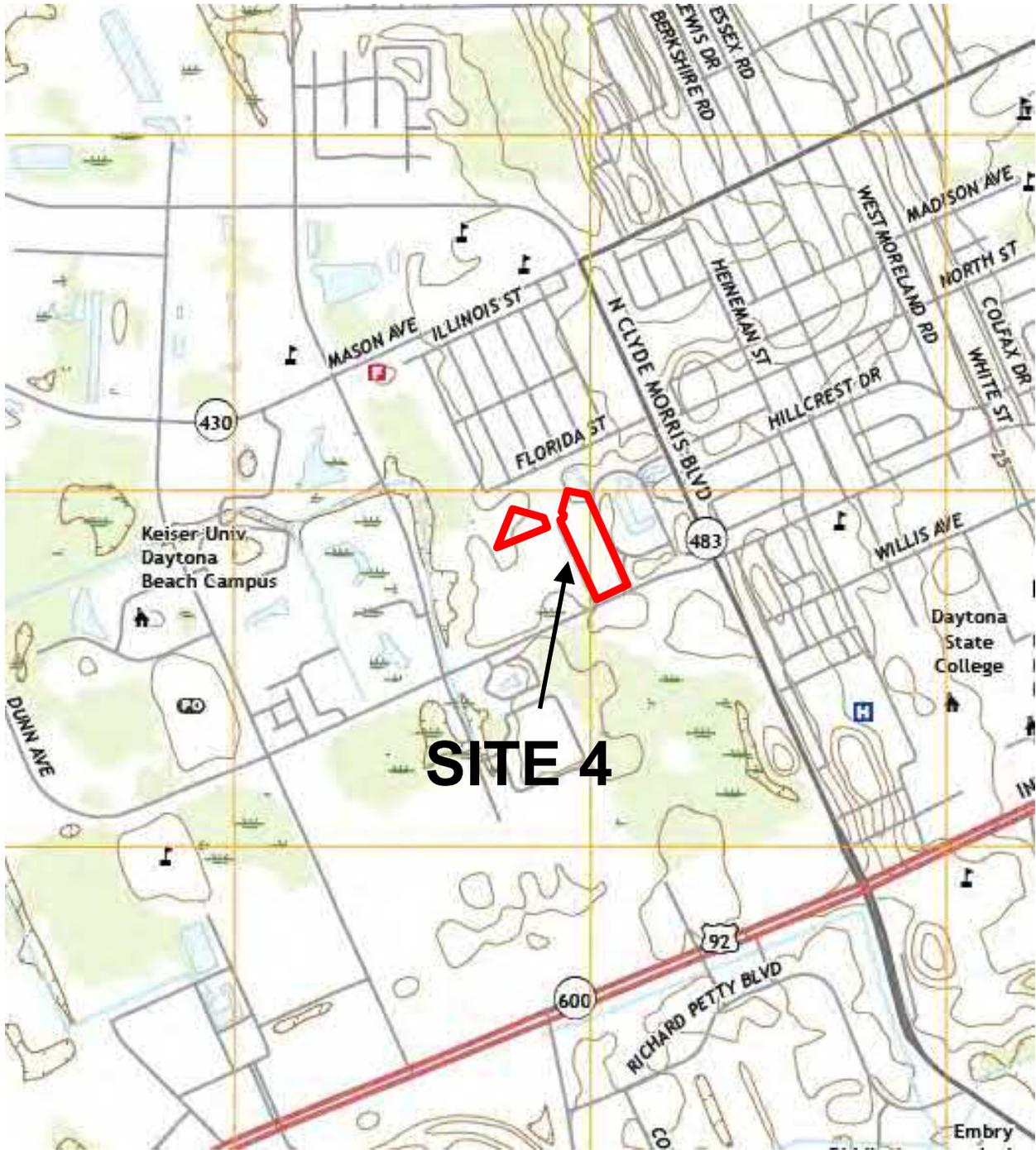
**ATTACHMENT 1B**

**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1C**

**SITE 4 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1D**

**SITE 1 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1E**

**SITES 2 AND 3 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



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**From:** Gardner, Ashley <Ashley.Gardner@FloridaDEP.gov>  
**Sent:** Thursday, May 7, 2020 1:04 PM  
**To:** Elliott, Glenn (CFM) <Glenn.Elliott@va.gov>  
**Cc:** Modovsky, Christine M. (CFM) <Christine.Modovsky@va.gov>; Miller, Dee Ann <Dee.Ann.Miller@dep.state.fl.us>;  
Truitt, John <John.Truitt@dep.state.fl.us>; Bahr, Tim <Tim.Bahr@FloridaDEP.gov>; Melnick, Benjamin  
<Benjamin.Melnick@floridadep.gov>; Arthur, Jonathan <Jonathan.Arthur@FloridaDEP.gov>; Watkins, Aaron  
<Aaron.Watkins@dep.state.fl.us>; Koerner, Jeff <Jeff.Koerner@dep.state.fl.us>; Rasnake, Erin  
<Erin.Rasnake@FloridaDEP.gov>  
**Subject:** [EXTERNAL] RE: VA Scoping for New Daytona Outpatient Clinic

Good afternoon, Mr. Elliott,

Based on the limited information provided for review and without specific construction details, the Central District offers the following comments in consideration of the proposed VA Outpatient Clinics in Daytona Beach, FL.

The following are general comments regarding possible environmental impacts and *should not be considered all inclusive*:

Environmental Resource Permit (ERP):

- The activities may require a Conceptual ERP Permit and/or an Individual ERP Permit pursuant to 373, F.S. for wetland impacts and stormwater control requirements. If required, the project will be reviewed under the Environmental Resource Permit Applicant's Handbook I and II (Chapter 62-330, F.A.C.).
- If wetlands and other surface waters are proposed to be impacted by the project, a demonstration of the elimination and reduction of wetland and surface water impacts will be required and any unavoidable impacts will require mitigation pursuant to Chapter 10.3 A.H. Vol I.
- Any portion of the project that crosses sovereign, submerged lands will require a public easement through the Department's Division of State Lands (Chapter 18-21.005, F.A.C.).

NPDES Stormwater:

- If stormwater may be discharged to surface waters during construction and/or as an on-going activity at the site, an NPDES stormwater permit may be required.

Air Permit:

- If the project emits air pollutants from a stationary source, the project may require an air permit (Chapters 62-210 and 62-212, F.A.C.).

Air – Asbestos Monitoring:

- If a project requires the demolition or renovation of a facility, a thorough inspection for the presence of asbestos must be completed and a notice must be submitted to the Department or delegated local agency at least 10 working-day prior to the commencement of project. (40 CFR Part 61, Subpart M)

Solid and Hazardous Waste:

- Should solid waste be generated from construction, demolition or renovation activities, the waste must be taken to a permitted disposal site (Chapter 62-701, F.A.C.).
- If hazardous waste will be generated from on-going activities on site, the project may need a hazardous waste permit and/or EPA generator ID and must be transported and disposed of according to applicable regulations (Chapter 62-730, F.A.C.).
- Should solid or hazardous waste be discovered on-site during construction activities, contact the Department for further direction.

Water Permits:

- The Department regulates drinking water and domestic wastewater. If the project will connect to public utilities, connection permits will be required. If the project will have on-site drinking water wells and/or domestic wastewater utilities, construction/operation permits will be needed (Chapters 62-555 and 62-620, F.A.C.).
- If the facility will generate industrial wastewater, an industrial wastewater permit may be required (Chapter 62-660, F.A.C.).
- If dewatering operations are necessary during construction, a dewatering permit may be necessary (Chapter 62-621, F.A.C.).

**The above comments are general environmental comments and do not constitute agency action nor a permit determination.** In many cases, permits issued by the Department will require a notice to be published in a local newspaper to allow any directly affected citizens to comment prior to final permit issuances. For further general Department permitting information, please see Chapter 62-4, F.A.C.

Please note, the Department may issue the permit for a specific program above through a delegated county, different District, or the Division office as opposed to the local District. Also, the Department may not have the environmental permitting jurisdiction for the project for a specific program listed above; jurisdiction may be under of another environmental entity such as the local Water Management District. Furthermore, this project may require additional environmental permits from other environmental entities such as the Army Corps of Engineers or local agencies. As Development of this project progresses, we recommend the applicant for this project contact the Department for further specific environmental direction.

Thank You,



**Ashley Gardner**  
 Ombudsman/Media & External Affairs  
 Florida Department of Environmental Protection  
 Central District  
[ashley.gardner@dep.state.fl.us](mailto:ashley.gardner@dep.state.fl.us)  
 Office: 407-897-2914

---

**From:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Sent:** Tuesday, May 5, 2020 1:32 PM  
**To:** [Kimberly.L.Wintrich@usace.army.mil](mailto:Kimberly.L.Wintrich@usace.army.mil); [George.Johnson@usda.gov](mailto:George.Johnson@usda.gov); [Jenkins.brandi@Epa.gov](mailto:Jenkins.brandi@Epa.gov); [chuck\\_underwood@fws.gov](mailto:chuck_underwood@fws.gov); [felicia.james@dot.gov](mailto:felicia.james@dot.gov); [yvette.taylor@dot.gov](mailto:yvette.taylor@dot.gov); [ExecSecretariat.FHWA@dot.gov](mailto:ExecSecretariat.FHWA@dot.gov); Miller, Dee Ann <[Dee.Ann.Miller@dep.state.fl.us](mailto:Dee.Ann.Miller@dep.state.fl.us)>; Truitt, John <[John.Truitt@dep.state.fl.us](mailto:John.Truitt@dep.state.fl.us)>; Koerner, Jeff <[Jeff.Koerner@dep.state.fl.us](mailto:Jeff.Koerner@dep.state.fl.us)>; Bahr, Tim <[Tim.Bahr@FloridaDEP.gov](mailto:Tim.Bahr@FloridaDEP.gov)>; Melnick, Benjamin <[Benjamin.Melnick@floridadep.gov](mailto:Benjamin.Melnick@floridadep.gov)>; Arthur, Jonathan <[Jonathan.Arthur@FloridaDEP.gov](mailto:Jonathan.Arthur@FloridaDEP.gov)>; State\_Clearinghouse

<[State.Clearinghouse@dep.state.fl.us](mailto:State.Clearinghouse@dep.state.fl.us)>; Gardner, Ashley <[Ashley.Gardner@FloridaDEP.gov](mailto:Ashley.Gardner@FloridaDEP.gov)>; Watkins, Aaron <[Aaron.Watkins@dep.state.fl.us](mailto:Aaron.Watkins@dep.state.fl.us)>; [kevin.thibault@dot.state.fl.us](mailto:kevin.thibault@dot.state.fl.us); [jared.perdue@dot.state.fl.us](mailto:jared.perdue@dot.state.fl.us); [Nikki.Fried@FDACS.gov](mailto:Nikki.Fried@FDACS.gov); [FFSupport@FDACS.gov](mailto:FFSupport@FDACS.gov); [shannon.wright@myfwc.com](mailto:shannon.wright@myfwc.com); [kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu); [ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com); [lbollenback@r2ctpo.org](mailto:lbollenback@r2ctpo.org); [knorden@tvedc.com](mailto:knorden@tvedc.com); [grecktenwald@volusia.org](mailto:grecktenwald@volusia.org); [ddbutler@volusia.org](mailto:ddbutler@volusia.org); [tbaylie@volusia.org](mailto:tbaylie@volusia.org); [rbharris@volusia.org](mailto:rbharris@volusia.org); [jangiulli@volusia.org](mailto:jangiulli@volusia.org); [bbartlett@volusia.org](mailto:bbartlett@volusia.org); [jcheney@volusia.org](mailto:jcheney@volusia.org); [mulrich@volusia.org](mailto:mulrich@volusia.org); [tkasbeer@volusia.org](mailto:tkasbeer@volusia.org); [cervin@volusia.org](mailto:cervin@volusia.org); [gadair@volusia.org](mailto:gadair@volusia.org); [ppanton@volusia.org](mailto:ppanton@volusia.org); [JWinterwerp@volusia.org](mailto:JWinterwerp@volusia.org); [chisholmjames@codb.us](mailto:chisholmjames@codb.us); [MrozekDennis@codb.us](mailto:MrozekDennis@codb.us); [bergerreed@codb.us](mailto:bergerreed@codb.us); [holmesandrew@codb.us](mailto:holmesandrew@codb.us); [ponitzshannon@codb.us](mailto:ponitzshannon@codb.us)

**Cc:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>

**Subject:** VA Scoping for New Daytona Outpatient Clinic

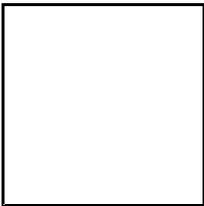
Hello All,

Please see the attached scoping letter for VA's proposed new Outpatient Clinic.

Thank you,

Glenn

Glenn Elliott  
Director of Environmental Programs  
Office of Facility Planning  
Construction Facility Management Office  
425 "I" Street NW  
Washington DC, 20003  
O-202-632-5879  
C-202-360-1243



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**From:** Koerner, Jeff <Jeff.Koerner@dep.state.fl.us>

**Sent:** Thursday, May 7, 2020 2:14 PM

**To:** Elliott, Glenn (CFM) <Glenn.Elliott@va.gov>

**Cc:** Modovsky, Christine M. (CFM) <Christine.Modovsky@va.gov>; Miller, Dee Ann <Dee.Ann.Miller@dep.state.fl.us>;

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<Aaron.Watkins@dep.state.fl.us>; Rasnake, Erin <Erin.Rasnake@FloridaDEP.gov>; Gardner, Ashley

<Ashley.Gardner@FloridaDEP.gov>

**Subject:** [EXTERNAL] RE: VA Scoping for New Daytona Outpatient Clinic

Mr. Elliott,

The air quality is generally good in these project areas and across Volusia County. There is one ambient air monitor in Volusia County that measures ozone and fine particulate matter (PM2.5, Site 12-127-5002, Daytona - Blind Services Site). The monitor meets the ozone standard and the PM2.5 monitor is projected to meet the PM2.5 standard as well. There have been no ozone exceedances in the last 5 years and no PM2.5 exceedances in the last 8 years. There are no large stationary sources of pollution near these project areas.

Please let me know if you need additional information related to air quality.

Sincerely,

Jeff Koerner, Director  
Division of air Resource Management  
Florida Department of Environmental Protection  
850-717-9083

---

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 Ombudsman/Media & External Affairs  
 Florida Department of Environmental Protection  
 Central District  
[ashley.gardner@dep.state.fl.us](mailto:ashley.gardner@dep.state.fl.us)  
 Office: 407-897-2914

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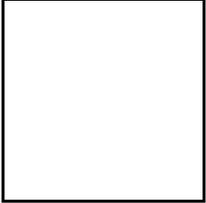
**From:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Sent:** Tuesday, May 5, 2020 1:32 PM  
**To:** [Kimberly.L.Wintrich@usace.army.mil](mailto:Kimberly.L.Wintrich@usace.army.mil); [George.Johnson@usda.gov](mailto:George.Johnson@usda.gov); [Jenkins.brandi@Epa.gov](mailto:Jenkins.brandi@Epa.gov); [chuck\\_underwood@fws.gov](mailto:chuck_underwood@fws.gov); [felicia.james@dot.gov](mailto:felicia.james@dot.gov); [yvette.taylor@dot.gov](mailto:yvette.taylor@dot.gov); [ExecSecretariat.FHWA@dot.gov](mailto:ExecSecretariat.FHWA@dot.gov); Miller, Dee Ann <[Dee.Ann.Miller@dep.state.fl.us](mailto:Dee.Ann.Miller@dep.state.fl.us)>; Truitt, John <[John.Truitt@dep.state.fl.us](mailto:John.Truitt@dep.state.fl.us)>; Koerner, Jeff <[Jeff.Koerner@dep.state.fl.us](mailto:Jeff.Koerner@dep.state.fl.us)>; Bahr, Tim <[Tim.Bahr@FloridaDEP.gov](mailto:Tim.Bahr@FloridaDEP.gov)>; Melnick, Benjamin <[Benjamin.Melnick@floridadep.gov](mailto:Benjamin.Melnick@floridadep.gov)>; Arthur, Jonathan <[Jonathan.Arthur@FloridaDEP.gov](mailto:Jonathan.Arthur@FloridaDEP.gov)>; State\_Clearinghouse <[State.Clearinghouse@dep.state.fl.us](mailto:State.Clearinghouse@dep.state.fl.us)>; Gardner, Ashley <[Ashley.Gardner@FloridaDEP.gov](mailto:Ashley.Gardner@FloridaDEP.gov)>; Watkins, Aaron <[Aaron.Watkins@dep.state.fl.us](mailto:Aaron.Watkins@dep.state.fl.us)>; [kevin.thibault@dot.state.fl.us](mailto:kevin.thibault@dot.state.fl.us); [jared.perdue@dot.state.fl.us](mailto:jared.perdue@dot.state.fl.us); [Nikki.Fried@FDACS.gov](mailto:Nikki.Fried@FDACS.gov); [FFSsupport@FDACS.gov](mailto:FFSsupport@FDACS.gov); [shannon.wright@myfwc.com](mailto:shannon.wright@myfwc.com); [kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu); [ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com); [lbollenback@r2ctpo.org](mailto:lbollenback@r2ctpo.org); [knorden@tvedc.com](mailto:knorden@tvedc.com); [grecktenwald@volusia.org](mailto:grecktenwald@volusia.org); [ddbutler@volusia.org](mailto:ddbutler@volusia.org); [tbaylie@volusia.org](mailto:tbaylie@volusia.org); [rbharris@volusia.org](mailto:rbharris@volusia.org); [jangiulli@volusia.org](mailto:jangiulli@volusia.org); [bbartlett@volusia.org](mailto:bbartlett@volusia.org); [jcheney@volusia.org](mailto:jcheney@volusia.org); [mulrich@volusia.org](mailto:mulrich@volusia.org); [tkasbeer@volusia.org](mailto:tkasbeer@volusia.org); [cervin@volusia.org](mailto:cervin@volusia.org); [gadair@volusia.org](mailto:gadair@volusia.org); [ppanton@volusia.org](mailto:ppanton@volusia.org); [JWinterwerp@volusia.org](mailto:JWinterwerp@volusia.org); [chisholmjames@codb.us](mailto:chisholmjames@codb.us); [MrozekDennis@codb.us](mailto:MrozekDennis@codb.us); [bergerreed@codb.us](mailto:bergerreed@codb.us); [holmesandrew@codb.us](mailto:holmesandrew@codb.us); [ponitzshannon@codb.us](mailto:ponitzshannon@codb.us)  
**Cc:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>  
**Subject:** VA Scoping for New Daytona Outpatient Clinic

Hello All,  
 Please see the attached scoping letter for VA's proposed new Outpatient Clinic.  
 Thank you,

Glenn

Glenn Elliott

Director of Environmental Programs  
Office of Facility Planning  
Construction Facility Management Office  
425 "I" Street NW  
Washington DC, 20003  
O-202-632-5879  
C-202-360-1243



---

**From:** Steve Fitzgibbons <[SFitzgibbons@sjrwmd.com](mailto:SFitzgibbons@sjrwmd.com)>  
**Sent:** Thursday, May 21, 2020 12:37 PM  
**To:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Cc:** Ann Shortelle <[ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com)>; Tom Frick <[TFrick@sjrwmd.com](mailto:TFrick@sjrwmd.com)>; Marji Hightower <[MHIGHTOW@sjrwmd.com](mailto:MHIGHTOW@sjrwmd.com)>  
**Subject:** [EXTERNAL] Daytona Beach OPC NEPA Scoping Notice

Mr. Elliott,

Thank you for providing the St. Johns River Water Management District (District) with the updated NEPA scoping notice for the proposed Daytona Beach VA Outpatient Clinic. District staff appreciated the opportunity to provide assistance during this preliminary planning stage. As requested, please find attached the District's technical assistance for the four potential project site locations.

If you have any questions or need additional information, please contact me.

Thank you,  
Steve

Steven Fitzgibbons, AICP  
Intergovernmental Planner  
Division of Strategic Planning and Initiatives  
St. Johns River Water Management District  
7775 Baymeadows Way, Suite 102  
Jacksonville, FL 32256  
Office (386) 312-2369  
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Website: [www.sjrwmd.com](http://www.sjrwmd.com)  
Connect with us: [Newsletter](#), [Facebook](#), [Twitter](#), [Instagram](#), [YouTube](#), [Pinterest](#)



**From:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>

**Sent:** Tuesday, May 5, 2020 1:32 PM

**To:** [Kimberly.L.Wintrich@usace.army.mil](mailto:Kimberly.L.Wintrich@usace.army.mil); [George.Johnson@usda.gov](mailto:George.Johnson@usda.gov); [Jenkins.brandi@Epa.gov](mailto:Jenkins.brandi@Epa.gov); [chuck\\_underwood@fws.gov](mailto:chuck_underwood@fws.gov); [felicia.james@dot.gov](mailto:felicia.james@dot.gov); [yvette.taylor@dot.gov](mailto:yvette.taylor@dot.gov); [ExecSecretariat.FHWA@dot.gov](mailto:ExecSecretariat.FHWA@dot.gov); [dee.ann.miller@floridadep.gov](mailto:dee.ann.miller@floridadep.gov); [john.truitt@floridadep.gov](mailto:john.truitt@floridadep.gov); [Jeff.Koerner@dep.state.fl.us](mailto:Jeff.Koerner@dep.state.fl.us); [Tim.Bahr@floridadep.gov](mailto:Tim.Bahr@floridadep.gov); [Benjamin.Melnick@floridadep.gov](mailto:Benjamin.Melnick@floridadep.gov); [Jonathan.Arthur@dep.state.fl.us](mailto:Jonathan.Arthur@dep.state.fl.us); [State.Clearinghouse@dep.state.fl.us](mailto:State.Clearinghouse@dep.state.fl.us); [Ashley.Gardner@FloridaDEP.gov](mailto:Ashley.Gardner@FloridaDEP.gov); [Aaron.Watkins@FloridaDEP.gov](mailto:Aaron.Watkins@FloridaDEP.gov); [kevin.thibault@dot.state.fl.us](mailto:kevin.thibault@dot.state.fl.us); [jared.perdue@dot.state.fl.us](mailto:jared.perdue@dot.state.fl.us); [Nikki.Fried@FDACS.gov](mailto:Nikki.Fried@FDACS.gov); [FFSsupport@FDACS.gov](mailto:FFSsupport@FDACS.gov); Wright, Shannon <[shannon.wright@myfwc.com](mailto:shannon.wright@myfwc.com)>; [kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu); Ann Shortelle <[ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com)>; [lbollenback@r2ctpo.org](mailto:lbollenback@r2ctpo.org); [knorden@tvedc.com](mailto:knorden@tvedc.com); [grecktenwald@volusia.org](mailto:grecktenwald@volusia.org); [dabutler@volusia.org](mailto:dabutler@volusia.org); [tbaylie@volusia.org](mailto:tbaylie@volusia.org); [rbharris@volusia.org](mailto:rbharris@volusia.org); [jangiulli@volusia.org](mailto:jangiulli@volusia.org); [bbartlett@volusia.org](mailto:bbartlett@volusia.org); [jcheney@volusia.org](mailto:jcheney@volusia.org); [mulrich@volusia.org](mailto:mulrich@volusia.org); [tkasbeer@volusia.org](mailto:tkasbeer@volusia.org); [cervin@volusia.org](mailto:cervin@volusia.org); [gadair@volusia.org](mailto:gadair@volusia.org); [ppanton@volusia.org](mailto:ppanton@volusia.org); [JWinterwerp@volusia.org](mailto:JWinterwerp@volusia.org); [chisholmjames@codb.us](mailto:chisholmjames@codb.us); [MrozekDennis@codb.us](mailto:MrozekDennis@codb.us); [bergerreed@codb.us](mailto:bergerreed@codb.us); [holmesandrew@codb.us](mailto:holmesandrew@codb.us); [ponitzshannon@codb.us](mailto:ponitzshannon@codb.us)

**Cc:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>

**Subject:** VA Scoping for New Daytona Outpatient Clinic

Hello All,

Please see the attached scoping letter for VA's proposed new Outpatient Clinic.

Thank you,

Glenn

Glenn Elliott  
Director of Environmental Programs  
Office of Facility Planning  
Construction Facility Management Office  
425 "I" Street NW  
Washington DC, 20003  
O-202-632-5879  
C-202-360-1243

We value your opinion. Please take a few minutes to share your comments on the service you received from the District by clicking this [link](#)

#### Notices

- Emails to and from the St. Johns River Water Management District are archived and, unless exempt or confidential by law, are subject to being made available to the public upon request. Users should not have an expectation of confidentiality or privacy.
- Individuals lobbying the District must be registered as lobbyists (§112.3261, Florida Statutes). Details, applicability and the registration form are available at <http://www.sjrwmd.com/lobbyist/>

## **SJRWMD Technical Assistance:**

### **NEPA Scoping Notice for Proposed Daytona VA Outpatient Clinic**

Early coordination with SJRWMD's ERP staff is encourage prior to any site work on the final selected site. For questions or assistance, please contact Marc von Canal, Environmental Resource Program Manager, at 321-676-6626 or [mvoncana@sjrwmd.com](mailto:mvoncana@sjrwmd.com).

**Site 1:** A previous Formal Wetland Determination [FWD] (permit #63553-2) that expired on July 17, 2011, is associated with Site 1. The FWD indicated there were some wetlands on the property, including within the central portion of the site. Although any wetland boundary limits would need to be updated and reviewed, the historical lines associated with the previous FWD could be useful during this preliminary planning stage.

**Site 2:** Site 2, which contains some wetlands, is associated with an existing permit (# 7782-18) and conservation easement (CE). The permit expires on Jan 11, 2023. If the proposed development includes changes to the CE, a CE release and amendment process would need to be completed prior to District permitting. In addition, if the site is developed with the proposed VA clinic, the existing permit may need to be modified.

**Site 3:** A pending permit application for Tomoka North Drainage Plan (permit #154908-2) is associated with Site 3. If the site is developed with the proposed VA clinic, the pending permit application would need to be modified or withdrawn. In addition, Site 3 appears to contain some wetland areas, which limits have not yet been verified by the District.

**Site 4:** An ArcMap review of Site 4 indicated that there is a potential small marsh area on the site. If the area is less than 0.5 acres and isolated, then no mitigation may be required if there are no listed species utilizing the area. If the area is larger than 0.5 acres, any impacts to the wetland would likely require mitigation.

**From:** Kris Hebert <KHebert@sjrwmd.com>  
**Sent:** Friday, May 29, 2020 12:56 PM  
**To:** Paul Jackson  
**Cc:** Rob Clark  
**Subject:** RE: Daytona Beach OPC NEPA Scoping Notice (#1393744)

---

**From:** Paul Jackson <pjackson@tlassoc.com>  
**Sent:** Friday, May 29, 2020 12:47 PM  
**To:** Kris Hebert <KHebert@sjrwmd.com>  
**Cc:** Rob Clark <rclark@tlassoc.com>  
**Subject:** RE: Daytona Beach OPC NEPA Scoping Notice (#1393744)

Thank you. Just to follow up and make sure I understand correctly:

- 1) For the drainage ditch along Williamson, impacts would only include crossings from Williamson Boulevard, so some temporary short-term impacts and very minor long-term impacts (likely culverted). It seems the path forward would be to be "inventory" all of the surface waters, including the ditch along Williamson Boulevard, to determine if they are Waters of the US (USACE) or isolated (SJRWMD). In either case, the ditch would have to be included in any ERP application, correct? *Correct*
- 2) Site 2 – Thanks. Do you by chance have any narrative from the 2008 delineation? I'm curious if anything was said about the former railroad spur ditch in the southern portion. *The first sequence was submitted in 1998 and the plans I sent you were from the 2007 application. I looked through the files and did not see narrative on the information you are asking about.*
- 3) Site 4 – The pink area and adjoining unimproved areas were recently developed in 2019 with a parking lot. *Then there are no wetland issues with that site, sorry our aerial layers must be a little dated.*

Thanks,

**Paul Jackson**  
**Environmental Scientist**

**TTL Associates, Inc.**

44265 Plymouth Oaks Boulevard | Plymouth, MI 48170 | [tlassoc.com](http://tlassoc.com)

Direct: (734) 582-4960 | Fax: (734) 582-4961



---

**From:** Kris Hebert [<mailto:KHebert@sjrwmd.com>]  
**Sent:** Friday, May 29, 2020 11:52 AM  
**To:** Steve Fitzgibbons <[SFitzgibbons@sjrwmd.com](mailto:SFitzgibbons@sjrwmd.com)>; Paul Jackson <[pjackson@tlassoc.com](mailto:pjackson@tlassoc.com)>; Tom Frick <[TFrick@sjrwmd.com](mailto:TFrick@sjrwmd.com)>

**Cc:** Regulatory Compliance Data Submittal <[ComplianceSupport@sjrwmd.com](mailto:ComplianceSupport@sjrwmd.com)>

**Subject:** RE: Daytona Beach OPC NEPA Scoping Notice (#1393744)

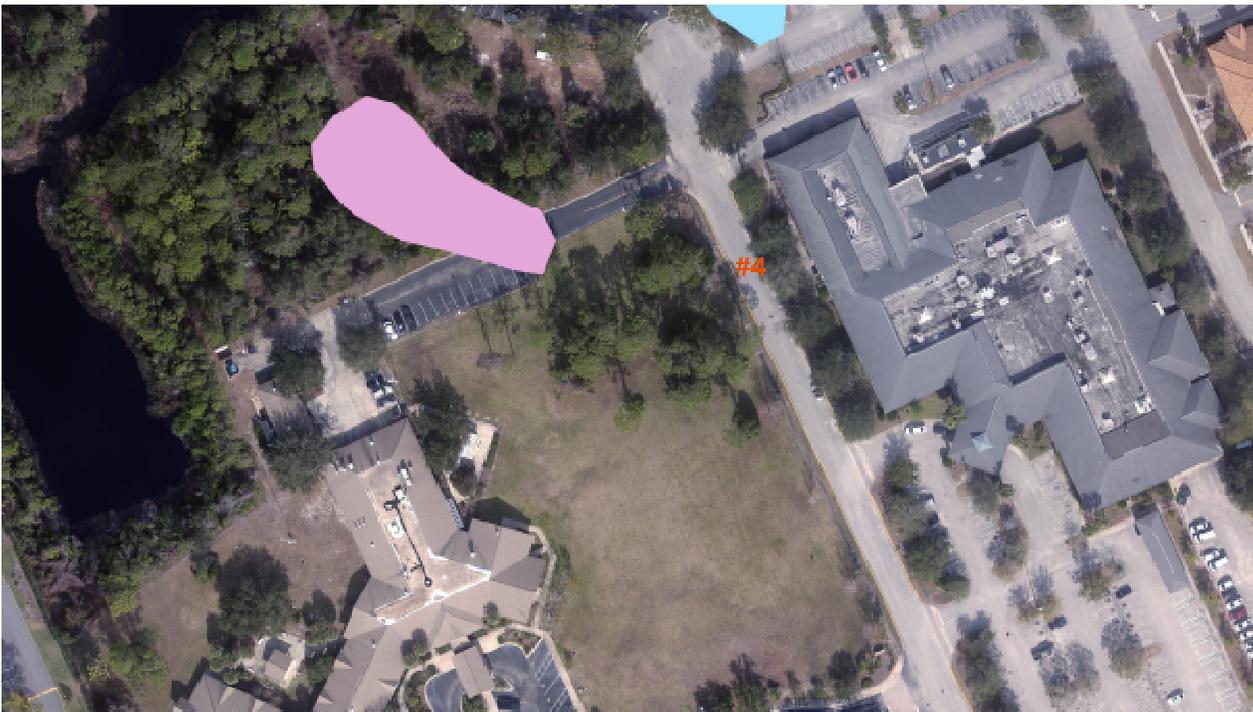
In response to your questions here is some additional information:

Question #1 the surface waters would need to be inventoried with any application are there impacts associated with any potential site?

Question #2/3, Site #2 had a Formal Wetland Determination (#74958-2) that has since expired (05/27/2013), however the attached plans show you the wetland lines that were approved some time ago. These were wetlands I was referring to.

Question #4; the applicant has responded to our RAI dated 4/23/2020 on 05/20/2020, I have not fully reviewed the information at this time. We have not been able to schedule the site inspection to field verify the limits of wetlands but do anticipate being able to do that soon and we will work on processing the application.

Question #5, site #4, our District wetland layer identifies the area in pink as wet prairie. Looking at the area however it has been partially impacted with the drive and parking area. It does appear to be isolated and less than 0.5 acres in size.



Please let me know if you have any additional questions or if this clarifies what you are looking for.

Kris D. Hebert  
Senior Regulatory Scientist  
Bureau of Environmental Resources Regulation  
St. Johns River Water Management District  
Palm Bay Service Center  
525 Community College Parkway, S.E. • Palm Bay, FL 32909  
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Email: [khebert@sjrwmd.com](mailto:khebert@sjrwmd.com)

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---

**From:** Steve Fitzgibbons <[SFitzgibbons@sjrwmd.com](mailto:SFitzgibbons@sjrwmd.com)>  
**Sent:** Friday, May 29, 2020 9:29 AM  
**To:** Paul Jackson <[pjackson@tlassoc.com](mailto:pjackson@tlassoc.com)>; Tom Frick <[TFrick@sjrwmd.com](mailto:TFrick@sjrwmd.com)>  
**Cc:** Kris Hebert <[KHebert@sjrwmd.com](mailto:KHebert@sjrwmd.com)>; Tom Frick <[TFrick@sjrwmd.com](mailto:TFrick@sjrwmd.com)>  
**Subject:** RE: Daytona Beach OPC NEPA Scoping Notice

Mr. Jackson,

Thank you for the follow-up questions.

Kris Herbert, Senior Regulatory Scientist, is the District technical staff person that conducted the review of the information in the VA notice. I spoke with her this morning and she will be contacting you directly regarding the questions. Kris is copied on this email and can also be reached at 321-409-2107.

Thank you,  
Steve

Steven Fitzgibbons, AICP  
Intergovernmental Planner  
Division of Strategic Planning and Initiatives  
St. Johns River Water Management District  
7775 Baymeadows Way, Suite 102  
Jacksonville, FL 32256  
Office (386) 312-2369  
E-mail: [sfitzgibbons@sjrwmd.com](mailto:sfitzgibbons@sjrwmd.com)  
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**From:** Paul Jackson <[pjackson@tlassoc.com](mailto:pjackson@tlassoc.com)>  
**Sent:** Thursday, May 28, 2020 4:12 PM  
**To:** Tom Frick <[TFrick@sjrwmd.com](mailto:TFrick@sjrwmd.com)>  
**Cc:** Steve Fitzgibbons <[SFitzgibbons@sjrwmd.com](mailto:SFitzgibbons@sjrwmd.com)>  
**Subject:** FW: Daytona Beach OPC NEPA Scoping Notice

Mr. Frick:

I am forwarding this email to you in response to Steve Fitzgibbons "out of office" reply. Is the below something you may be able to help me with?

Thanks,

**Paul Jackson**

**Environmental Scientist**

**TTL Associates, Inc.**

44265 Plymouth Oaks Boulevard | Plymouth, MI 48170 | [tlassoc.com](http://tlassoc.com)

Direct: (734) 582-4960 | Fax: (734) 582-4961



---

**From:** Paul Jackson

**Sent:** Thursday, May 28, 2020 3:17 PM

**To:** 'SFitzgibbons@sjrwmd.com' <[SFitzgibbons@sjrwmd.com](mailto:SFitzgibbons@sjrwmd.com)>

**Subject:** FW: Daytona Beach OPC NEPA Scoping Notice

Mr. Fitzgibbons:

The information you provided to VA regarding the referenced project has been forwarded to me for assimilation into our NEPA Environmental Assessment (EA) efforts. I have a few follow-up questions that I'm hoping you can help me with:

- 1) For Sites 1 through 3, there is an active drainage ditch that runs along the west side of Williamson Boulevard in the vicinity of Sites 1, 2, and 3. Would the drainage ditch be regulated by the SJRWMD? I'm also wondering if the drainage ditch may be under the jurisdiction of the US Army Corps of Engineers (USACE) due to its surficial connection to the ditch along the former railroad spur that is on the southern portion of Site 2 and northern portion of Site 3. The former railroad ditch connects to a wetland area west of Sites 2 and 3 that has already been determined to be a Water of the US and is currently in the Section 401/404 permit process (See Site 3 below). Can you help clarify?
- 2) Site 2 – the ERP permit and conservation easement you referenced appears to be for a project that is north of Daytona State College for a water chiller project and , hence, not on Site 2. Does this sound correct?
- 3) Site 2 – Are the wetlands you referenced on Site 2 or are they the wetlands that are located adjoining to the west of Site 2?
- 4) Site 3 – According to the property owner, the USACE has issued a letter of intent for a Section 404 permit and requested supplemental information was submitted to the SJRWMD on April 23, 2020 by Parker, Mynchenberg, and Associates, Inc. (Application 161500-1) regarding Section 401 certification. Did the submitted information, specifically information for SJRWMD Points 12 and 13 about a permit modification and site inspection, fulfill your requirements?
- 5) Site 4 – You indicated that there may be a potential small marsh area on Site 4 and referenced an ArcMap. I have not been able to find ArcMap wetland information on the SJRWMD internet website and the information I currently have indicates that there are no wetlands on Site 4. The nearest wetland area appears to be located adjoining to the south and west of Site 4 along Dunn Avenue. Could you please direct me to the ArcMap source?

Thanks,

**Paul Jackson**

**Environmental Scientist**

**TTL Associates, Inc.**



---

**From:** Rob Clark  
**Sent:** Tuesday, May 26, 2020 4:49 PM  
**To:** Paul Jackson <[pjackson@ttlassoc.com](mailto:pjackson@ttlassoc.com)>  
**Subject:** FW: Daytona Beach OPC NEPA Scoping Notice

---

**From:** Modovsky, Christine M. (CFM) [<mailto:Christine.Modovsky@va.gov>]  
**Sent:** Tuesday, May 26, 2020 4:40 PM  
**To:** Rob Clark  
**Subject:** FW: Daytona Beach OPC NEPA Scoping Notice

---

**From:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Sent:** Tuesday, May 26, 2020 3:11 PM  
**To:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>  
**Subject:** FW: Daytona Beach OPC NEPA Scoping Notice

Not sure if I already sent this one

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**From:** Steve Fitzgibbons <[SFitzgibbons@sjrwm.com](mailto:SFitzgibbons@sjrwm.com)>  
**Sent:** Thursday, May 21, 2020 12:37 PM  
**To:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Cc:** Ann Shortelle <[ashortelle@sjrwm.com](mailto:ashortelle@sjrwm.com)>; Tom Frick <[TFrick@sjrwm.com](mailto:TFrick@sjrwm.com)>; Marji Hightower <[MHIGHTOW@sjrwm.com](mailto:MHIGHTOW@sjrwm.com)>  
**Subject:** [EXTERNAL] Daytona Beach OPC NEPA Scoping Notice

Mr. Elliott,

Thank you for providing the St. Johns River Water Management District (District) with the updated NEPA scoping notice for the proposed Daytona Beach VA Outpatient Clinic. District staff appreciated the opportunity to provide assistance during this preliminary planning stage. As requested, please find attached the District's technical assistance for the four potential project site locations.

If you have any questions or need additional information, please contact me.

Thank you,  
Steve

Steven Fitzgibbons, AICP  
Intergovernmental Planner  
Division of Strategic Planning and Initiatives  
St. Johns River Water Management District  
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**Sent:** Tuesday, May 5, 2020 1:32 PM  
**To:** [Kimberly.L.Wintrich@usace.army.mil](mailto:Kimberly.L.Wintrich@usace.army.mil); [George.Johnson@usda.gov](mailto:George.Johnson@usda.gov); [Jenkins.brandi@Epa.gov](mailto:Jenkins.brandi@Epa.gov);  
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[lbollenback@r2ctpo.org](mailto:lbollenback@r2ctpo.org); [knorden@tvedc.com](mailto:knorden@tvedc.com); [grecktenwald@volusia.org](mailto:grecktenwald@volusia.org); [ddbutter@volusia.org](mailto:ddbutter@volusia.org); [tbaylie@volusia.org](mailto:tbaylie@volusia.org);  
[rbharris@volusia.org](mailto:rbharris@volusia.org); [jangiulli@volusia.org](mailto:jangiulli@volusia.org); [bbartlett@volusia.org](mailto:bbartlett@volusia.org); [jcheney@volusia.org](mailto:jcheney@volusia.org); [mulrich@volusia.org](mailto:mulrich@volusia.org);  
[tkasbeer@volusia.org](mailto:tkasbeer@volusia.org); [cervin@volusia.org](mailto:cervin@volusia.org); [gadair@volusia.org](mailto:gadair@volusia.org); [ppanton@volusia.org](mailto:ppanton@volusia.org); [JWinterwerp@volusia.org](mailto:JWinterwerp@volusia.org);  
[chisholmjames@codb.us](mailto:chisholmjames@codb.us); [MrozekDennis@codb.us](mailto:MrozekDennis@codb.us); [bergerreed@codb.us](mailto:bergerreed@codb.us); [holmesandrew@codb.us](mailto:holmesandrew@codb.us);  
[ponitzshannon@codb.us](mailto:ponitzshannon@codb.us)  
**Cc:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>  
**Subject:** VA Scoping for New Daytona Outpatient Clinic

Hello All,  
Please see the attached scoping letter for VA's proposed new Outpatient Clinic.  
Thank you,

Glenn

Glenn Elliott  
Director of Environmental Programs  
Office of Facility Planning  
Construction Facility Management Office  
425 "i" Street NW  
Washington DC, 20003  
O-202-632-5879  
C-202-360-1243

We value your opinion. Please take a few minutes to share your comments on the service you received from the District by clicking this [link](#)

#### Notices

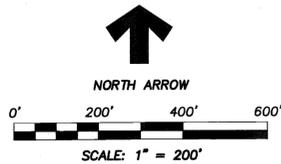
- Emails to and from the St. Johns River Water Management District are archived and, unless exempt or confidential by law, are subject to being made available to the public upon request. Users should not have an expectation of confidentiality or privacy.
  - Individuals lobbying the District must be registered as lobbyists (§112.3261, Florida Statutes). Details, applicability and the registration form are available at <http://www.sjrwmd.com/lobbyist/>
- We value your opinion. Please take a few minutes to share your comments on the service you received from the District by clicking this [link](#)

#### Notices

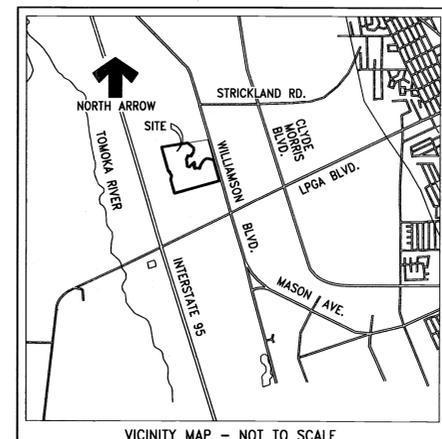
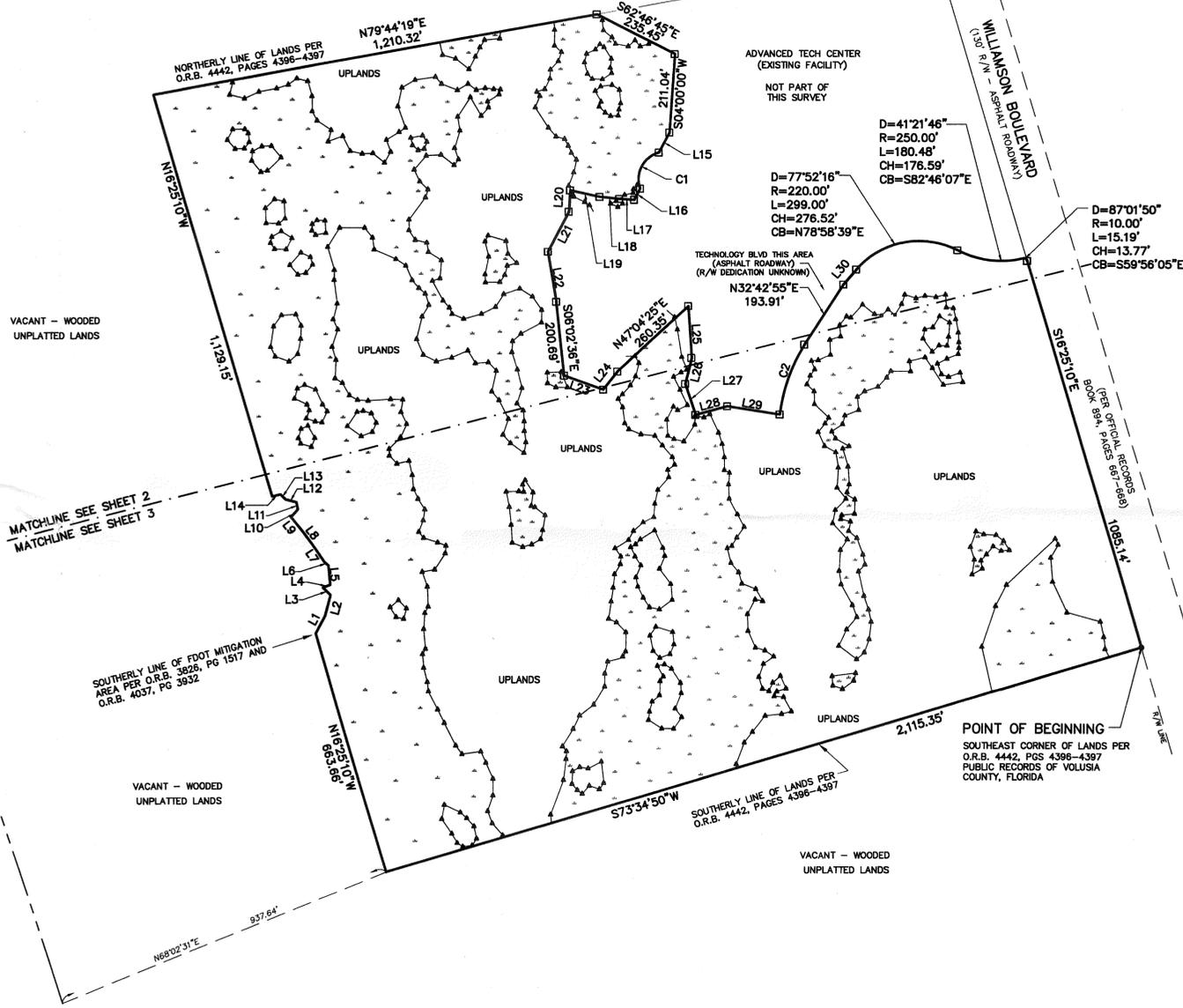
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VACANT - WOODED  
UNPLATTED LANDS



LEGAL DESCRIPTION  
A PORTION OF GOVERNMENT SECTION 4, TOWNSHIP 15 SOUTH, RANGE 32 EAST, VOLUSIA COUNTY, FLORIDA, ALSO BEING A PORTION OF LANDS PER OFFICIAL RECORDS BOOK 4442, PAGES 4396-4397 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF LANDS PER OFFICIAL RECORDS BOOK 4442, PAGES 4396-4397 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, SAID POINT BEING LOCATED ON THE WESTERLY RIGHT-OF-WAY LINE OF WILLIAMSON BOULEVARD (A 130-FOOT WIDE PUBLIC RIGHT-OF-WAY PER OFFICIAL RECORDS BOOK 894, PAGES 657-658 OF THE PUBLIC RECORDS OF VOLUSIA COUNTY); THENCE DEPARTING SAID WESTERLY RIGHT-OF-WAY LINE 57°34'50\"/>

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 78.45 ACRES, MORE OR LESS.

- SURVEYORS NOTES:
1. BASIS OF BEARINGS: THE WESTERLY RIGHT-OF-WAY LINE OF WILLIAMSON BOULEVARD (A 130' RIGHT-OF-WAY) BEING S16°25'10\"/>

LINE	LENGTH	BEARING
L1	52.45'	N28°30'39\"/>

CURVE	DELTA	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	95°57'26\"/>				

**LEGEND and ABBREVIATIONS**

● NAIL & DISK (FOUND)	P.E. PROFESSIONAL ENGINEER
○ NUMBER AS INDICATED	L.S. LICENSED SURVEYOR
● SET NAIL & DISK	R/W RIGHT OF WAY
● STAMPED LB #2232	MEAS FIELD MEASURED DATA
● SET 5/8\"/>	

**ADVANCED TECHNICAL CENTER LANDS**

APPROVED  
PROJECT 16-127-1958-Z  
APR 10 2008  
BY ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

RECEIVED IN ALAMONTIC SPRINGS  
74959-2  
MAR 21 2008  
REGULATORY INFORMATION MGT  
Kenneth J. Kihar 3/17/08  
KENNETH J. KIHAR  
FLA. PROFESSIONAL SURVEYOR/MAPPER #6105

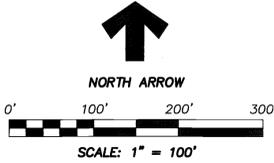
**TOMOKA ENGINEERING**  
A WADE TRIM COMPANY  
CIVIL ENGINEERING & LAND SURVEYING SINCE 1976  
DAYTONA BEACH  
Main Office: 1410 LPGA Blvd., Suite 146, Daytona Beach, FL 32117  
Phone: 386-274-1600  
Fax: 386-274-1600  
email: tomoka@tomoka-eng.com  
website: www.tomoka-eng.com



NO.	DATE	DESCRIPTION
1	03/04/2008	UPDATING WETLANDS SURVEY PER COMMENTS FROM ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

**SPECIFIC PURPOSE (WETLAND LOCATION) SURVEY**  
A PORTION OF LANDS PER OFFICIAL RECORDS BOOK 4442, PAGES 4396-4397, VOLUSIA COUNTY, FLORIDA  
PREPARED FOR:  
ADVANCED TECHNICAL CENTER  
THE VOLUSIA COUNTY SCHOOL BOARD

PROJECT NO. T7091VCSB  
DRAWING REF. NO. 7091-SS1 COVER  
FIELD BOOK INFO. N/A  
ORIGINAL ISSUE DATE 01/09/2008  
SHEET 1 OF 3



LINE	LENGTH	BEARING
L139	45.71	S54°12'08"E
L140	31.57	N69°10'48"E
L141	26.74	N23°18'32"E
L142	28.56	N27°19'13"W
L143	22.92	N72°48'27"W
L144	16.45	S80°08'19"W
L145	46.31	S34°05'17"W
L146	16.03	S24°17'31"E
L147	29.88	S72°37'36"E
L148	25.49	N21°03'16"E
L149	37.84	N29°19'43"W
L150	20.05	N66°43'31"E
L151	26.45	S16°08'02"W
L152	28.16	N14°48'20"E
L153	21.84	N64°51'11"E
L154	32.20	S87°37'07"E
L155	44.69	S24°55'51"E
L156	22.06	S33°27'49"E
L157	33.01	S24°35'16"W
L158	18.18	N81°20'36"W
L159	25.43	N71°04'09"W
L160	23.11	N19°42'13"E
L161	16.92	N20°36'54"W
L162	37.34	N64°04'23"W

LINE	LENGTH	BEARING
L163	28.64	N25°10'01"W
L164	58.23	N08°14'01"E
L165	38.78	N34°44'20"E
L166	28.56	N87°10'36"E
L167	33.56	S24°57'54"E
L168	35.69	S01°51'45"W
L169	41.73	S10°51'12"W
L170	30.52	S48°38'00"W
L171	39.80	N70°17'18"W
L172	44.87	S41°30'21"W
L173	33.82	S39°11'08"E
L174	22.07	N77°57'49"E
L175	28.72	N39°03'03"E
L176	21.42	N16°08'10"W
L177	28.20	N64°03'45"W
L178	33.93	S26°52'08"W

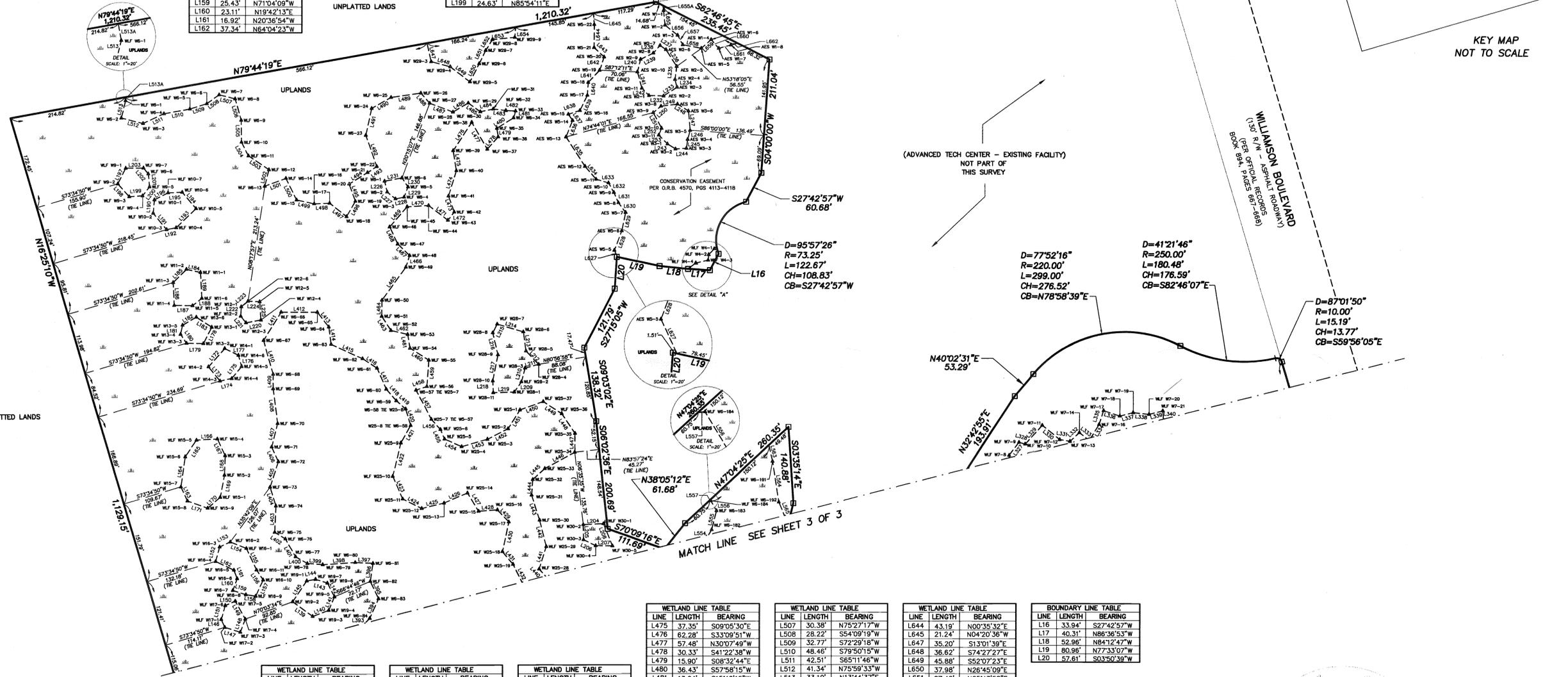
LINE	LENGTH	BEARING
L179	31.09	N89°50'21"W
L180	19.96	N33°36'27"W
L181	17.23	N11°38'10"E
L182	28.56	N59°51'49"E
L183	34.22	S56°43'35"E
L184	26.44	N77°44'24"W
L185	34.08	S46°05'42"W
L186	41.49	S02°36'14"E
L187	33.77	S88°52'12"E
L188	21.89	N52°04'45"E
L189	46.87	N02°53'28"W
L190	25.08	S05°14'03"W
L191	39.22	S39°25'48"E
L192	17.94	N78°40'59"E
L193	50.63	N48°02'01"E
L194	39.82	N39°59'14"W
L195	25.89	S88°05'29"W
L196	28.36	S62°36'20"W
L197	32.25	S26°40'21"W
L198	32.00	S41°22'52"E
L199	24.63	N85°54'11"E

LINE	LENGTH	BEARING
L200	20.98	N37°54'56"E
L201	23.95	N05°38'28"W
L202	44.12	N39°17'24"W
L203	32.82	S89°36'30"W
L204	37.37	S87°25'21"W
L205	28.39	S01°14'06"E
L206	24.91	S63°19'35"E
L207	31.01	S89°10'08"E
L208	44.86	N21°38'52"W
L209	23.07	N35°02'44"E
L210	26.22	N14°35'53"E
L211	26.07	N74°18'35"E
L212	34.14	N43°01'37"W
L213	35.89	N07°51'37"W
L214	50.49	N73°20'55"W
L215	18.09	S26°58'08"W
L216	41.85	S13°21'58"E
L217	49.55	S11°20'11"W

LINE	LENGTH	BEARING
L218	21.86	S02°36'18"E
L219	38.90	N83°54'44"E
L220	27.92	S79°11'18"W
L221	15.57	S99°49'52"W
L222	17.45	N03°25'14"E
L223	16.24	N50°34'56"E
L224	21.52	S87°13'48"E
L225	33.49	S03°57'47"E
L226	20.80	S13°23'24"E
L227	19.91	S50°13'42"E
L228	16.19	N78°30'36"E
L229	20.23	N20°56'20"E
L230	20.15	N33°49'00"W
L231	32.54	S79°34'00"W
L232	27.00	S88°24'44"E
L233	28.75	S86°26'45"E
L234	14.89	N14°23'07"W
L235	24.66	N07°07'36"E

LINE	LENGTH	BEARING
L236	37.14	N32°18'46"W
L237	13.45	N54°53'59"W
L238	18.84	S40°45'37"W
L239	26.09	S63°56'16"W
L240	24.13	S14°05'39"W
L241	31.77	S15°09'37"E
L242	18.98	S43°19'41"E
L243	17.51	S57°51'34"E
L244	20.05	N86°29'01"E
L245	16.66	N08°20'45"E
L246	17.38	N14°43'14"E
L247	36.04	N04°59'43"W
L248	23.81	N57°41'08"W
L249	30.75	S82°43'38"W
L250	18.91	S50°03'48"W
L251	32.60	S28°26'49"E
L252	13.74	S21°34'10"W
L253	22.96	S44°34'17"E

LINE	LENGTH	BEARING
L327	30.21	N37°14'41"E
L328	11.84	S73°15'28"E
L329	47.42	N41°26'29"E
L330	41.38	S05°50'49"E
L331	19.20	S80°56'03"E
L332	23.27	N47°46'30"E
L333	23.30	S52°19'51"E
L334	34.35	N31°23'27"E
L335	26.98	N17°53'24"E
L336	31.62	S71°55'27"E
L337	25.18	N75°35'54"E
L338	29.67	S84°08'23"E
L339	26.25	N75°44'38"E
L340	35.05	S03°25'22"E



LINE	LENGTH	BEARING
L394	39.27	N24°24'24"E
L395	35.50	N25°22'05"W
L396	33.86	N08°11'23"E
L397	32.62	N87°13'37"W
L398	60.46	S86°06'37"W
L399	28.40	N85°32'05"W
L400	25.11	N60°05'03"W
L401	38.38	N29°33'27"W
L402	23.30	N57°32'28"W
L403	49.46	N02°34'43"E
L404	36.75	N16°43'25"W
L405	49.78	N17°46'36"E
L406	29.61	N24°22'19"W
L407	44.33	N14°07'55"E
L408	64.63	N27°19'04"W
L409	26.92	N00°16'22"E
L410	65.02	N15°35'10"W
L411	61.27	N31°42'24"E
L412	66.77	S89°58'27"W
L413	34.46	S37°55'12"E
L414	32.38	S70°52'47"E
L415	63.92	S85°32'22"E
L416	32.17	S55°52'50"E
L417	42.60	S23°18'18"E

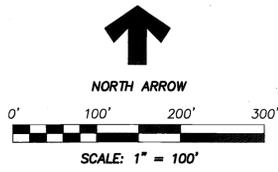
LINE	LENGTH	BEARING
L418	29.54	N44°18'47"E
L419	13.01	S40°46'05"E
L420	31.86	S16°58'48"E
L421	36.72	S29°34'24"W
L422	63.02	S13°32'25"W
L423	46.20	S23°11'54"E
L424	39.40	S62°55'04"E
L425	42.47	N76°16'29"E
L426	42.13	N68°41'30"E
L427	39.77	S30°50'45"E
L428	34.87	N85°44'44"E
L429	31.01	S42°57'33"E
L430	56.91	S11°59'44"W
L431	30.74	S39°28'49"E
L432	56.57	S26°29'30"E
L433	75.24	N41°41'36"W
L434	44.10	N17°20'47"E
L435	51.13	N13°59'51"W
L436	49.08	N17°20'52"W
L437	29.28	N04°12'06"E
L438	30.05	N47°34'21"E
L439	62.70	N81°23'51"E
L440	75.24	N00°43'21"E
L441	43.89	N34°00'45"W
L442	40.50	N57°05'35"W

LINE	LENGTH	BEARING
L443	29.54	S40°46'05"E
L444	42.47	N76°16'29"E
L445	42.13	N68°41'30"E
L446	39.77	S30°50'45"E
L447	34.87	N85°44'44"E
L448	31.01	S42°57'33"E
L449	56.91	S11°59'44"W
L450	39.40	S62°55'04"E
L451	42.47	N76°16'29"E
L452	42.13	N68°41'30"E
L453	49.33	S74°21'57"W
L454	34.48	N86°19'59"W
L455	19.08	N23°06'03"W
L456	25.46	N41°34'02"W
L457	60.61	N76°16'29"E
L458	21.17	S71°53'39"W
L459	49.21	S04°28'32"W
L460	41.30	S57°06'22"E
L461	25.83	S09°52'43"E
L462	31.76	S76°24'25"E
L463	31.21	S33°02'12"E
L464	29.30	S00°35'02"W
L465	74.27	S36°14'47"W
L466	22.31	S18°11'21"W
L467	30.70	S46°08'04"E
L468	34.74	S25°01'15"E
L469	49.09	S41°02'43"W
L470	39.63	S88°43'20"W
L471	44.92	N53°18'55"W
L472	18.95	S37°49'24"W
L473	31.72	S19°09'39"E
L474	49.32	S17°01'15"W

LINE	LENGTH	BEARING
L475	37.35	S09°05'30"E
L476	62.28	S33°09'51"W
L477	57.48	N30°07'49"W
L478	30.33	S41°22'38"W
L479	15.90	S08°32'44"E
L480	36.43	S57°58'15"W
L481	13.04	S15°49'15"W
L482	18.00	N61°16'28"E
L483	23.52	S83°31'40"E
L484	24.27	N78°15'01"E
L485	27.50	S53°48'54"E
L486	32.83	S59°30'15"E
L487	46.10	S69°01'37"E
L488	24.82	S40°49'32"E
L489	95.44	N81°46'28"E
L490	41.07	N60°14'12"E
L491	50.72	N12°13'48"E
L492	60.84	N19°25'39"W
L493	20.45	N56°30'27"E
L494	39.92	S75°53'21"E
L495	34.03	N19°36'27"W
L496	32.61	N29°58'24"E
L497	40.10	S51°28'23"E
L498	28.50	N87°34'35"E
L499	33.11	S77°26'39"E
L500	44.66	S60°00'58"E
L501	41.62	S69°26'24"W
L502	31.67	N14°03'41"E
L503	45.48	N56°07'45"W
L504	27.99	N27°55'47"W
L505	40.48	N00°54'34"W
L506	41.14	N15°51'59"W

LINE	LENGTH	BEARING
L507	30.38	N75°27'17"W
L508	28.22	S54°09'19"W
L509	32.77	S72°29'18"W
L510	48.46	S79°50'15"W
L511	42.51	S65°11'46"W
L512	41.34	N79°59'33"W
L513	33.19	N13°44'37"E
L514	6.34	N10°15'41"W
L515	28.24	N29°32'22"E
L516	36.43	N14°19'36"E
L517	21.49	N30°18'26"W
L518	2.44	S87°45'17"W
L519	30.95	S12°25'02"E
L520	75.30	S08°49'26"E
L521	36.51	S22°13'55"E
L522	13.88	N25°18'31"W
L523	38.31	N20°49'00"E
L524	34.51	N11°48'38"E
L525	22.65	N36°15'46"W
L526	20.82	N23°28'08"W
L527	20.44	N28°35'11"W
L528	24.08	N29°58'24"E
L529	31.38	N40°28'26"W
L530	64.62	N32°49'30"W
L531	32.68	N21°31'39"E
L532	13.85	N34°35'50"W
L533	22.51	N72°07'31"E
L534	31.38	N25°43'06"E
L535	24.08	N33°51'54"E
L536	31.00	N42°33'41"E
L537	25.93	N18°36'50"E
L538	25.43	N46°49'34"W

LINE	LENGTH	BEARING
L539	30.38	N75°27'17"W
L540	28.22	S54°09'19"W
L541	32.77	S72°29'18"W
L542	48.46	S79°50'15"W
L543	42.51	S65°11'46"W
L544	41.34	N79°59'33"W
L545	33.19	N13°44'37"E
L546	6.34	N10°15'41"W
L547	28.24	N29°32'22"E
L548	36.43	N14°19'36"E
L549	21.49	N30°18'26"W
L550	2.44	S87°45'17"W
L551	30.95	S12°25'02"E
L552	75.30	S08°49'26"E
L553	36.51	S22°13'55"E
L554	13.88	N25°18'31"W
L555	38.31	N20°49'00"E
L556	34.51	N11°48'38"E
L557	22.65	N36°15'46"W
L558	20.82	N23°28'08"W
L559	20.44	N28°35'11"W
L560	24.08	N29°58'24"E
L561	31.38	N40°28'26"W



LINE	LENGTH	BEARING
L30	25.66'	N50°52'29\"W
L31	33.03'	N86°01'57\"W
L32	22.66'	N68°12'01\"W
L33	44.70'	S19°13'41\"W
L34	35.51'	S16°44'36\"E
L35	40.66'	S08°43'24\"W
L36	31.74'	N60°25'51\"E
L37	21.90'	N09°34'18\"W
L38	22.58'	N41°12'18\"E
L39	27.77'	N40°28'26\"E
L40	25.00'	S58°35'07\"E
L41	21.54'	N85°24'41\"E
L42	29.58'	N30°11'05\"W
L43	19.90'	S15°05'39\"W
L44	37.34'	S53°39'40\"W

LINE	LENGTH	BEARING
L45	27.36'	N70°42'48\"W
L46	24.64'	N04°41'41\"W
L47	63.58'	N83°00'08\"E
L48	28.52'	S33°36'18\"W
L49	41.21'	S11°38'04\"E
L50	25.69'	S44°38'10\"E
L51	29.18'	N69°46'14\"E
L52	28.10'	N21°52'49\"E
L53	32.47'	N06°08'32\"W
L54	47.04'	N72°43'07\"W
L55	52.47'	S24°49'29\"E
L56	22.13'	S13°40'00\"E

LINE	LENGTH	BEARING
L57	37.35'	S22°13'06\"W
L58	50.91'	S36°11'38\"E
L59	42.28'	S05°14'40\"E
L60	42.46'	S54°02'16\"W
L61	27.03'	N78°42'38\"W
L62	30.61'	N33°31'11\"W
L63	33.36'	N25°50'13\"W
L64	25.18'	N11°36'30\"W
L65	34.48'	N22°19'55\"E
L66	28.60'	N32°37'09\"W
L67	27.59'	N24°34'41\"W
L68	15.42'	N59°12'08\"E
L69	18.13'	N43°13'17\"E
L70	45.40'	N57°20'02\"E
L71	21.83'	S58°29'32\"E
L72	44.41'	S33°18'01\"E
L73	26.73'	S04°32'03\"E
L74	43.89'	S21°47'12\"W
L75	28.77'	S37°46'28\"E
L76	36.92'	S35°59'53\"W
L77	32.10'	N89°22'35\"W
L78	41.72'	N57°38'55\"W

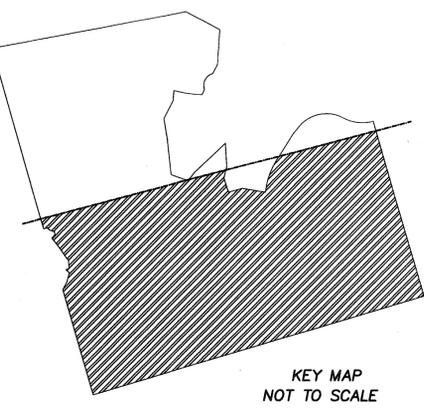
LINE	LENGTH	BEARING
L79	22.09'	N06°20'30\"E
L80	27.51'	N15°06'49\"E
L81	25.89'	N49°26'36\"E
L82	36.97'	N02°12'24\"E
L83	14.80'	N36°09'58\"E
L84	25.23'	N29°50'40\"W
L85	19.56'	N79°04'30\"E
L86	16.44'	S54°18'23\"E
L87	28.26'	N41°30'48\"E
L88	28.63'	S71°26'33\"E
L89	20.44'	N35°03'28\"E
L90	57.35'	N06°35'06\"W
L91	39.63'	S62°48'54\"W
L92	22.91'	N80°45'45\"W
L93	22.11'	S60°41'52\"W
L94	34.48'	S02°19'52\"W
L95	21.71'	S40°43'42\"E

LINE	LENGTH	BEARING
L96	48.61'	S06°00'06\"E
L97	48.91'	S03°13'52\"E
L98	30.63'	S68°08'00\"E
L99	25.07'	N02°12'24\"E
L100	27.69'	N59°13'37\"E
L101	25.23'	N12°40'31\"W
L102	40.16'	N09°28'09\"E
L103	34.75'	N50°48'26\"W
L104	10.33'	N67°31'30\"W
L105	36.31'	N07°04'48\"E
L106	39.51'	N32°09'36\"W
L107	13.88'	S29°47'19\"W
L108	20.19'	S08°45'40\"E

LINE	LENGTH	BEARING
L109	13.44'	N82°25'35\"W
L110	33.62'	S88°13'57\"W
L111	41.64'	S11°04'55\"E
L112	18.40'	S56°46'44\"W
L113	29.32'	N30°20'31\"W
L114	47.92'	N33°52'22\"W
L115	38.82'	N10°00'04\"E
L116	48.16'	S64°39'37\"E
L117	23.32'	S47°46'55\"E
L118	29.17'	S40°48'43\"E
L119	34.28'	S11°42'52\"E

LINE	LENGTH	BEARING
L120	21.71'	S32°54'03\"W
L121	25.10'	S82°42'07\"W
L122	28.42'	N14°48'15\"E
L123	30.20'	N44°57'45\"W
L124	28.54'	S50°21'32\"W
L125	30.48'	S31°07'26\"E
L126	20.81'	S77°22'31\"E

LINE	LENGTH	BEARING
L127	122.24'	S12°53'17\"E
L128	114.13'	S19°02'42\"W
L129	62.47'	S27°23'29\"W
L130	180.47'	S46°31'52\"W



SET 5/8\" DIAMETER IRON ROD WITH CAP #2542 - 5733452\"W, 5.00\" FROM CORNER - TREE STUMP AT CORNER (WITNESS CORNER)

**LEGEND and ABBREVIATIONS**

- NAIL & DISK (FOUND)
- NUMBER AS INDICATED
- SET NAIL & DISK
- STAMPED LB #2232
- SET 5/8\" DIAMETER IRON ROD WITH CAP LB #2232 - (TYPICAL IRC) UNLESS OTHERWISE NOTED
- IRON PIPE & CAP (FOUND) (NUMBER AS INDICATED)
- FOUND 4\" X 4\" CONC MONUMENT PER LB #2232 - TYPICAL UNLESS OTHERWISE NOTED
- MONUMENT PER LB #2232
- ▲ WETLAND POINT
- PCP PERMANENT CONTROL POINT
- REFERENCE ONLY; (POINT NOT SET)
- SEC SECTION
- R/RNG RANGE
- T/TWP TOWNSHIP
- P.E. PROFESSIONAL ENGINEER
- L.S. LICENSED SURVEYOR
- R/W RIGHT OF WAY
- MEAS FIELD MEASURED DATA
- PLAT PLAT RECORDED DATA
- O.R.B. OFFICIAL RECORDS BOOK
- RADIUS RADIUS
- L ARC LENGTH
- T TANGENT
- Δ DELTA
- CH CHORD
- CB CHORD BEARING
- CH CALCULATED DATA
- (P) MEASURED
- (T) TYPICAL
- M.B. MAP BOOK
- D.B. DEED BOOK
- P/PC DEED RECORDED DATA
- SF/ND STATE OF FLORIDA DEPT. OF NATURAL RESOURCES

LINE	LENGTH	BEARING
L131	18.37'	N24°37'43\"W
L132	40.23'	N29°42'01\"E
L133	64.58'	N04°23'40\"W
L134	89.62'	N25°26'19\"W
L135	93.25'	N75°01'56\"W
L136	41.36'	N12°30'07\"W
L137	31.48'	N06°54'26\"W
L138	23.90'	N25°57'04\"W
L139	42.97'	N53°04'42\"W
L140	25.53'	N10°17'42\"E
L141	22.58'	N31°08'54\"E
L142	34.87'	N31°08'54\"E
L143	31.90'	S56°56'19\"E
L144	38.52'	S03°36'23\"W
L145	24.59'	S10°10'51\"W
L146	21.41'	N87°27'57\"W
L147	24.91'	S47°28'36\"W
L148	53.86'	S12°50'35\"W
L149	34.67'	N34°23'01\"W
L150	43.47'	S76°32'20\"W
L151	27.42'	S06°33'04\"E
L152	52.68'	S08°42'47\"W
L153	20.46'	S33°32'24\"W
L154	33.97'	S42°53'26\"W
L155	37.86'	S70°59'39\"W

LINE	LENGTH	BEARING
L156	24.55'	S52°12'18\"W
L157	35.76'	S05°27'08\"E
L158	39.40'	S67°59'51\"W
L159	24.15'	S15°27'23\"W
L160	34.67'	S56°17'57\"W
L161	21.16'	S27°43'53\"E
L162	42.19'	S59°56'02\"E
L163	18.00'	S68°41'40\"W
L164	50.31'	S16°22'09\"E
L165	48.53'	S03°33'34\"E
L166	38.40'	S67°59'51\"W
L167	28.33'	S12°37'28\"W
L168	25.19'	S58°34'26\"E
L169	38.75'	S01°03'48\"W
L170	34.44'	S83°34'34\"W
L171	10.91'	S12°46'37\"E
L172	26.77'	S75°29'17\"E
L173	28.10'	S10°41'19\"E
L174	29.20'	S49°59'24\"E
L175	47.08'	N19°41'48\"E
L176	27.58'	S11°29'46\"E
L177	24.87'	S42°50'35\"W
L178	67.07'	S12°25'40\"E
L179	36.30'	S18°59'36\"E
L180	33.34'	S11°59'54\"E
L181	48.61'	S08°42'47\"W
L182	20.46'	S33°32'24\"W
L183	37.22'	S20°02'59\"W
L184	27.09'	S48°34'21\"W
L185	59.66'	N53°13'41\"W

LINE	LENGTH	BEARING
L186	33.84'	N33°15'16\"E
L187	59.11'	N41°35'18\"W
L188	38.47'	N11°03'26\"E
L189	41.39'	N43°07'46\"E
L190	38.71'	N37°52'25\"W
L191	54.44'	N03°11'20\"E
L192	41.88'	N09°13'25\"W
L193	34.62'	N60°46'11\"W
L194	41.09'	N24°38'34\"W
L195	29.59'	N36°46'18\"E
L196	18.31'	N46°35'38\"W
L197	34.77'	N01°31'36\"W
L198	37.18'	N27°28'10\"W
L199	24.74'	N21°19'39\"E
L200	20.85'	N34°41'00\"E
L201	24.14'	N36°16'22\"E
L202	18.37'	N64°04'56\"E
L203	35.88'	N87°27'57\"W
L204	40.59'	N02°36'51\"W
L205	30.25'	N72°25'05\"W
L206	30.40'	N04°29'32\"W
L207	35.05'	S03°25'22\"E
L208	19.17'	S84°16'22\"E
L209	30.96'	S14°31'31\"E
L210	36.83'	N20°30'29\"E
L211	25.99'	S00°25'09\"E
L212	15.54'	S00°57'17\"E

LINE	LENGTH	BEARING
L213	16.68'	S07°11'34\"W
L214	32.73'	S67°18'22\"W
L215	28.49'	S63°30'40\"W
L216	30.95'	S20°16'28\"E
L217	20.46'	S70°39'36\"E
L218	48.20'	N25°40'40\"E
L219	42.82'	N39°32'39\"E
L220	33.57'	N10°11'12\"W
L221	63.03'	N28°42'16\"W
L222	36.35'	N08°23'55\"W
L223	56.58'	N40°38'14\"E
L224	33.84'	N33°15'16\"E
L225	59.11'	N41°35'18\"W
L226	38.47'	N11°03'26\"E
L227	41.39'	N43°07'46\"E
L228	38.71'	N37°52'25\"W
L229	54.44'	N03°11'20\"E
L230	41.88'	N09°13'25\"W
L231	34.62'	N60°46'11\"W
L232	41.09'	N24°38'34\"W
L233	29.59'	N36°46'18\"E
L234	18.31'	N46°35'38\"W
L235	34.77'	N01°31'36\"W
L236	37.18'	N27°28'10\"W
L237	24.74'	N21°19'39\"E
L238	20.85'	N34°41'00\"E
L239	24.14'	N36°16'22\"E
L240	18.37'	N64°04'56\"E
L241	35.88'	N87°27'57\"W
L242	40.59'	N02°36'51\"W
L243	30.25'	N72°25'05\"W
L244	30.40'	N04°29'32\"W
L245	35.05'	S03°25'22\"E
L246	19.17'	S84°16'22\"E
L247	30.96'	S14°31'31\"E
L248	36.83'	N20°30'29\"E
L249	25.99'	S00°25'09\"E
L250	15.54'	S00°57'17\"E

LINE	LENGTH	BEARING
L251	28.95'	N24°46'16\"W
L252	38.57'	N05°13'24\"E
L253	39.10'	N13°10'13\"W
L254	32.87'	S77°34'36\"W
L255	29.65'	N43°11'56\"W
L256	18.24'	N02°21'57\"W
L257	43.64'	N44°16'47\"E
L258	56.57'	S26°29'30\"E
L259	44.94'	S18°56'05\"W
L260	30.32'	S42°13'17\"E
L261	44.55'	S53°51'23\"E
L262	29.26'	N10°26'22\"E
L263	29.99'	N08°05'02\"W
L264	28.46'	N00°53'04\"W
L265	28.94'	N05°13'27\"W
L266	25.24'	N41°41'36\"W
L267	50.96'	S82°27'51\"W
L268	28.20'	N36°13'25\"W
L269	68.19'	N26°57'52\"W
L270	40.31'	N26°07'37\"W
L271	45.01'	N18°43'08\"E
L272	44.65'	N00°08'00\"E
L273	46.84'	N24°05'47\"W
L274	44.00'	N41°41'36\"W
L275	32.88'	N42°08'19\"W
L276	50.96'	S82°27'51\"W
L277	28.20'	N36°13'25\"W
L278	68.19'	N26°57'52\"W
L279	40.31'	N26°07'37\"W
L280	45.01'	N18°43'08\"E
L281	44.65'	N00°08'00\"E
L282	46.84'	N24°05'47\"W
L283	44.00'	N41°41'36\"W
L284	32.88'	N42°08'19\"W
L285	50.96'	S82°27'51\"W
L286	28.20'	N36°13'25\"W
L287	68.19'	N26°57'52\"W
L288	40.31'	N26°07'37\"W
L289	45.01'	N18°43'08\"E
L290	44.65'	N00°08'00\"E
L291	46.84'	N24°05'47\"W
L292	44.00'	N41°41'36\"W
L293	32.88'	N42°08'19\"W
L294	50.96'	S82°27'51\"W
L295	28.20'	N36°13'25\"W
L296	68.19'	N26°57'52\"W
L297	40.31'	N26°07'37\"W
L298	45.01'	N18°43'08\"E
L299	44.65'	N00°08'00\"E
L300	46.84'	N24°05'47\"W
L301	44.00'	N41°41'36\"W
L302	32.88'	N42°08'19\"W
L303	50.96'	S82°27'51\"W
L304	28.2	

July 15, 2020 (by email to jaxregs@fws.gov)

U.S. Fish and Wildlife Service  
 North Florida Ecological Services Field Office  
 7915 Baymeadows Way, Suite 200  
 Jacksonville, FL 32256-7517  
 (904) 731-3336



**FWS Log No** \_\_\_\_\_  
**The proposed action is not likely to adversely affect resources protected by the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.) provided the standard protection measures for the eastern indigo snake are incorporated into the project plan. This finding fulfills the requirements of the Act.**

<b>Acting for</b>	<b>Jay B. Herrington</b> Field Supervisor	<b>Date</b>
-------------------	----------------------------------------------	-------------

References: Project Name: Daytona Beach Outpatient  
 Site 1 – Consultation Code: 04EF1000-2020-SLI-0502  
 Event Code: 04EF1000-2020-E-01667  
 Site 2 – Consultation Code: 04EF1000-2020-SLI-0591  
 Event Code: 04EF1000-2020-E-01665  
 Site 3 – Consultation Code: 04EF1000-2020-SLI-0593  
 Event Code: 04EF1000-2020-E-01669

Subject: Request for concurrence with determinations of May Affect—Not Likely to Adversely Affect

Dear Sir or Madam:

This letter requests U.S. Fish and Wildlife Service (USFWS) concurrence with determinations of **“may affect – not likely to adversely affect”** for the proposed project to construct and operate a new VA Outpatient Clinic in Daytona Beach, FL, further described in (B) and (C) below.

The following information responds to the requirements listed in the Endangered Species Act Consultation Request Form—USFWS Florida ([www.fws.gov/verobeach/ProgrammaticPDFs/20161100\\_USFWSFloridaConsultationChecklist.pdf](http://www.fws.gov/verobeach/ProgrammaticPDFs/20161100_USFWSFloridaConsultationChecklist.pdf)):

(A) Cover Letter: This letter report.

(B) Project Description:

Proposed action: Four alternative sites in Daytona Beach are being considered, one of which would be cleared and developed to construct and operate a 122,900-square-foot VA outpatient clinic with surface parking. (The fourth site is on a previously fully developed lot with no wildlife habitat and is not further discussed in this letter.)

Locations (see Attachment 1, Figure 1 for regional map):

Site 1 is located on the west side of Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road in the City of Daytona Beach. Site 1 includes approximately 19 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951 (Attachment 1, Figure 2).

Site 2 is located on the west side of Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard in the City of Daytona Beach. Site 2 includes approximately 25 acres of undeveloped woodlands with a former railroad spur and a small open grassy area with scattered trees in the southeastern portion. Site 2 has been undeveloped woodlands with a

July 15, 2020 (by email to [jaxregs@fws.gov](mailto:jaxregs@fws.gov))

U.S. Fish and Wildlife Service  
North Florida Ecological Services Field Office  
7915 Baymeadows Way, Suite 200  
Jacksonville, FL 32256-7517  
(904) 731-3336

References: Project Name: Daytona Beach Outpatient Clinic  
Site 1 – Consultation Code: 04EF1000-2020-SLI-0502  
Event Code: 04EF1000-2020-E-01667  
Site 2 – Consultation Code: 04EF1000-2020-SLI-0591  
Event Code: 04EF1000-2020-E-01665  
Site 3 – Consultation Code: 04EF1000-2020-SLI-0593  
Event Code: 04EF1000-2020-E-01669

Subject: Request for concurrence with determinations of May Affect—Not Likely to Adversely Affect

Dear Sir or Madam:

This letter requests U.S. Fish and Wildlife Service (USFWS) concurrence with determinations of **“may affect – not likely to adversely affect”** for the proposed project to construct and operate a new VA Outpatient Clinic in Daytona Beach, FL, further described in (B) and (C) below.

The following information responds to the requirements listed in the Endangered Species Act Consultation Request Form—USFWS Florida ([www.fws.gov/verobeach/ProgrammaticPDFs/20161100\\_USFWSFloridaConsultationChecklist.pdf](http://www.fws.gov/verobeach/ProgrammaticPDFs/20161100_USFWSFloridaConsultationChecklist.pdf)):

(A) Cover Letter: This letter report.

(B) Project Description:

Proposed action: Four alternative sites in Daytona Beach are being considered, one of which would be cleared and developed to construct and operate a 122,900-square-foot VA outpatient clinic with surface parking. (The fourth site is on a previously fully developed lot with no wildlife habitat and is not further discussed in this letter.)

Locations (see Attachment 1, Figure 1 for regional map):

Site 1 is located on the west side of Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road in the City of Daytona Beach. Site 1 includes approximately 19 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951 (Attachment 1, Figure 2).

Site 2 is located on the west side of Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard in the City of Daytona Beach. Site 2 includes approximately 25 acres of undeveloped woodlands with a former railroad spur and a small open grassy area with scattered trees in the southeastern portion. Site 2 has been undeveloped woodlands with a

former (removed) railroad spur in the southern portion since at least 1943 (Attachment 1, Figure 3).

Site 3 is located on the west side of Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard in the City of Daytona Beach. Site 3 includes approximately 14 acres of predominantly unimproved pastureland with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943 (Attachment 1, also Figure 3).

Timing: Construction would occur from 2021 – 2024, followed by up to 20 years of operation as a VA outpatient clinic serving Veterans in the Daytona Beach area.

Proponent: U.S. Department of Veterans Affairs, Office of Construction & Facilities Management, Facilities Planning (003C2), 810 Vermont Street NW, Washington DC 20420, through a contract with the awarded development and management contractor.

Equipment: Typical heavy and light construction equipment used for small-scale commercial development of a one- and two-story structures.

Standard species-specific protective measures included in proposed action:

*Eastern indigo snake*: While no eastern indigo snakes were observed on any of the sites, *Standard Protection Measures for the Eastern Indigo Snake* following USFWS-approved protocol will be employed during construction to assure no adverse effects to the species. Any gopher tortoise burrows located within 25 feet of the project construction will be protected onsite or excavated and relocated per state gopher tortoise guidelines.

Habitat and species avoidance, minimization, mitigation, and conservation measures included in proposed action:

*Gopher tortoise*: Initial field surveys of the three sites in April 2020 identified gopher tortoise burrows in areas adjacent to Sites 1 and 2, and one potentially active burrow on Site 3. A species-specific survey covering 100% of potentially suitable habitat within the limits of construction (LOC), including areas for construction equipment access, will be conducted within 90 days prior to construction on the selected site (if one of Sites 1-3 is selected). Biologists will use any burrow locations from the survey results to develop a tortoise relocation and protection plan. Silt fence will be erected along the LOC, and demarking acceptable equipment access pathways, no closer than 25 feet to any potentially occupied gopher tortoise burrow, which will prevent damage to individual burrows, and keep individual tortoises from wandering into an active construction site. Any burrows that cannot be avoided or properly protected from construction activities will be relocated to suitable habitat, per state gopher tortoise management guidelines.

#### (C) Description of the Action Area:

*Site 1* includes approximately 19 acres of undeveloped woodlands. The properties surrounding Site 1 are also undeveloped, with wooded and brushy areas to the north, grassy and wooded areas to the east across Williamson Boulevard, and wooded areas to the south and west. The vegetative communities on Site 1 could support wildlife species associated with partially developed suburban Daytona Beach areas.

**Site 2** includes approximately 25 acres of undeveloped woodlands with a former railroad spur and a small open grassy area with scattered trees in the southeastern portion. The properties surrounding Site 2 consist of an institutional property (college) to the north, undeveloped woodlands to the east (across Williamson Boulevard) and west, an apartment complex to the southeast, and unimproved grassy land to the south. The vegetative communities on Site 2 could support wildlife species associated with partially developed suburban Daytona Beach areas.

**Site 3** includes approximately 14 acres of unimproved pastureland with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. The properties surrounding Site 3 primarily consist of undeveloped woodlands to the north and west, an apartment complex across Williamson Boulevard to the east, and unimproved grassy land to the south. The vegetative communities on Site 3 could support wildlife species associated with partially developed suburban Daytona Beach areas.

See aerial map imagery (Attachment 1) and site photographs (Attachment 2).

(D) Protected Resources that May be Present:

VA obtained Official Species Lists from IPaC on 4/7/2020 and updated lists (with no changes) on July 7, 2020 (Attachment 3). Biological surveys were reviewed for each site (Attachment 4).

**Site 1**

Zev Cohen and Associates (ZCA) surveyed Site 1 for protected species on Site 1, dated April 24, 2020. ZCA indicated Site 1 contains pine plantations, mixed forested wetlands, and wet prairies. The ZCA report identified one federally listed candidate species/state listed threatened species (gopher tortoise) at Site 1. ZCA indicated that gopher tortoise burrows were observed adjacent to Site 1 and, although the 15 percent gopher tortoise survey completed by ZCA did not identify any gopher tortoises or associated burrows at Site 1, Site 1 includes habitat suitable for gopher tortoises and likely gopher tortoise individuals.

**Site 2**

Dynamic Environmental Assessments, Inc. (DEA) completed an Informal Biological Assessment Survey for protected species on Site 2 dated April 24, 2020. DEA indicated Site 2 mostly contains slash pine with an understory of saw palmetto and shield ferns (depressional areas). In addition, a small area of native grasses and shrubs is located in the southeast corner of the site under a sparse tree canopy of slash pines and pond pines. The DEA report stated that Site 2 may support the presence of three protected species (gopher tortoise, eastern indigo snake, Rugel's pawpaw). No gopher tortoises or associated burrows were observed on Site 2; however, one potentially active burrow was observed approximately 20 feet south of Site 2. No eastern indigo snakes were observed on Site 2 and their presence was considered unlikely. No evidence of the low shrub species Rugel's pawpaw was observed on site and its occurrence on the site was considered unlikely.

**Site 3**

Bio-Tech Consulting Inc. (Bio-Tech) prepared a Biological Survey Report for protected species on Site 3 dated April 28, 2020. Bio-Tech indicated Site 3 is occupied by fallow

farmland that had been used for hay production (majority), a ditch/canal (along the old railroad spur), and pine flatwood wetlands (western portion). The Bio-Tech report stated that no protected species were identified at Site 3. Although no gopher tortoises or associated burrows were observed on Site 3, the biological survey for Site 2 indicated that a potentially active gopher tortoise burrow was observed near the northern boundary of Site 3. Limited, marginally suitable foraging habitat for wood stork exists along the ditch/canal in the northwestern portion of Site 3; however, no wood storks were observed at Site 3.

The species lists identified the same set of species for all three sites, for which we summarized below the biological survey conclusions and our effect determinations:

<b>Species and Critical Habitat</b>	<b>Biological Survey Findings</b>	<b>Determination (Site)</b>
Southeastern beach mouse ( <i>Peromyscus polionotus niveiventris</i> ) No designated critical habitat.	No suitable habitat	No effect (1,2,3)
Eastern black rail ( <i>Laterallus jamaicensis ssp. jamaicensis</i> ) No designated critical habitat.	No suitable habitat.	No effect (1,2,3)
Florida scrub jay ( <i>Aphelocoma coerulescens</i> ) No designated critical habitat.	No suitable habitat.	No effect (1,2,3)
Wood stork ( <i>Mycteria americana</i> ) No designated critical habitat.	No suitable habitat on Sites 1 or 2. Limited, marginally suitable foraging habitat for wood stork along the ditch/canal in the northwestern portion of Site 3; however, no wood storks were observed.	No effect (1,2) May affect – not likely to adversely affect (3)
Eastern indigo snake ( <i>Drymarchon corais couperi</i> ) No designated critical habitat.	No eastern indigo snakes were observed during the field surveys. Suitable habitat for gopher tortoise exists at all three sites, and a gopher tortoise burrow was observed on Site 3. <u>Protective measures are included in proposed action.</u>	May affect – not likely to adversely affect (1,2,3)
Gopher tortoise ( <i>Gopherus polyphemus</i> ) No designated critical habitat.	Suitable habitat for gopher tortoise exists at all three sites, and a gopher tortoise burrow was observed on Site 3. All tortoises would either be protected from construction activities using exclusionary silt fencing or relocated out of harm's way. <u>Conservation measures are included in proposed action.</u>	May affect – not likely to adversely affect (1,2,3)

<b>Species and Critical Habitat</b>	<b>Biological Survey Findings</b>	<b>Determination (Site)</b>
Green sea turtle ( <i>Chelonia mydas</i> ) Location is outside designated critical habitat.	No suitable habitat.	No effect (1,2,3)
Hawksbill sea turtle ( <i>Eretmochelys imbricata</i> ) Location is outside designated critical habitat.	No suitable habitat.	No effect (1,2,3)
Leatherback sea turtle ( <i>Dermochelys coriacea</i> ) Location is outside designated critical habitat.	No suitable habitat.	No effect (1,2,3)
Loggerhead sea turtle ( <i>Caretta caretta</i> ) Location is outside designated critical habitat.	No suitable habitat.	No effect (1,2,3)
Rugel's pawpaw ( <i>Deeringothamnus rugelii</i> ) No designated critical habitat.	No suitable habitat was observed on Sites 1 and 3. Although the Site 2 biological survey stated habitat exists in the project area capable of supporting this species, the species was not observed onsite.	No effect (1,2,3)

(E) Description of How the Action May Affect Each Protected Resource: Potential mechanisms for effects could be habitat loss or inadvertent direct harm or death of individuals present during site clearing and heavy construction.

(F) Section 7 Findings for all Protected Resources: See Section (D) table.

(G) Relevant Reports and/or Documents: See attachments – (1) project location map and aerial photographs, (2) site photographs, (3) Official Species Lists, and (4) biological survey reports.

(H) Cumulative Effects Analysis: NA – necessary only if protected resources will be adversely affected and formal consultation is necessary.

(I) History of Contacts Made with Service:

1. 4/7/2020: Requested and received Official Species Lists.
2. 7/7/2020: Requested and obtained updated Official Species Lists.
3. 7/15/2020: Emailed request for concurrence with this finding of “May Effect – Not Likely to Adversely Affect.”

(J) List of Preparers:

Christine Modovsky, Environmental Engineer, U.S. Department of Veterans Affairs

TTL Associates, Inc.: Map and aerial photographs (Att. 1), Photographs of parcels (Att. 2)

(K) Literature Cited:

Zev Cohen and Associates – biological survey for Site 1 (Att. 4)

Dynamic Environmental Assessments, Inc. – biological survey for Site 2 (Att. 4)

Bio-Tech Consulting Inc. – biological survey for Site 3 (Att. 4)

We look forward to receiving your response. If you need additional information, please contact me at (202) 632-5352 or by email at [christine.modovsky@va.gov](mailto:christine.modovsky@va.gov).

Sincerely,

Christine Modovsky  
Environmental Engineer  
VA Office of Construction & Facilities Management

Attachments:

- 1 – Project location map and aerial photographs
- 2 – Site photographs
- 3 – Official species lists
- 4 – Biological survey reports

**From:** Kerri Brinegar <[kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu)>  
**Sent:** Wednesday, May 6, 2020 11:58 AM  
**To:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Subject:** [EXTERNAL] RE: VA Scoping for New Daytona Outpatient Clinic

Hi Glenn,

Looks like nothing major on the site according to our databases (no T/E).

Regards,

## Kerri Brinegar

GIS / Data Services Analyst  
Florida Natural Areas Inventory  
1018 Thomasville Road, Suite 200-C  
Tallahassee, FL 32303  
(850) 224-8207 ext. 211  
Fax: (850) 681-9364  
[kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu)  
[www.fnai.org](http://www.fnai.org)

**From:** Elliott, Glenn (CFM) [<mailto:Glenn.Elliott@va.gov>]  
**Sent:** Tuesday, May 5, 2020 1:32 PM  
**To:** [Kimberly.L.Wintrich@usace.army.mil](mailto:Kimberly.L.Wintrich@usace.army.mil); [George.Johnson@usda.gov](mailto:George.Johnson@usda.gov); [Jenkins.brandi@Epa.gov](mailto:Jenkins.brandi@Epa.gov);  
[chuck\\_underwood@fws.gov](mailto:chuck_underwood@fws.gov); [felicia.james@dot.gov](mailto:felicia.james@dot.gov); [yvette.taylor@dot.gov](mailto:yvette.taylor@dot.gov);  
[ExecSecretariat.FHWA@dot.gov](mailto:ExecSecretariat.FHWA@dot.gov); [dee.ann.miller@floridadep.gov](mailto:dee.ann.miller@floridadep.gov); [john.truitt@floridadep.gov](mailto:john.truitt@floridadep.gov);  
[Jeff.Koerner@dep.state.fl.us](mailto:Jeff.Koerner@dep.state.fl.us); [Tim.Bahr@floridadep.gov](mailto:Tim.Bahr@floridadep.gov); [Benjamin.Melnick@floridadep.gov](mailto:Benjamin.Melnick@floridadep.gov);  
[Jonathan.Arthur@dep.state.fl.us](mailto:Jonathan.Arthur@dep.state.fl.us); [State.Clearinghouse@dep.state.fl.us](mailto:State.Clearinghouse@dep.state.fl.us);  
[Ashley.Gardner@FloridaDEP.gov](mailto:Ashley.Gardner@FloridaDEP.gov); [Aaron.Watkins@FloridaDEP.gov](mailto:Aaron.Watkins@FloridaDEP.gov); [kevin.thibault@dot.state.fl.us](mailto:kevin.thibault@dot.state.fl.us);  
[jared.perdue@dot.state.fl.us](mailto:jared.perdue@dot.state.fl.us); [Nikki.Fried@FDACS.gov](mailto:Nikki.Fried@FDACS.gov); [FFSupport@FDACS.gov](mailto:FFSupport@FDACS.gov);  
[shannon.wright@myfwc.com](mailto:shannon.wright@myfwc.com); Kerri Brinegar <[kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu)>; [ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com);  
[lbollenback@r2ctpo.org](mailto:lbollenback@r2ctpo.org); [knorden@tvedc.com](mailto:knorden@tvedc.com); [grecktenwald@volusia.org](mailto:grecktenwald@volusia.org); [dabutler@volusia.org](mailto:dabutler@volusia.org);  
[tbaylie@volusia.org](mailto:tbaylie@volusia.org); [rbharris@volusia.org](mailto:rbharris@volusia.org); [jangiulli@volusia.org](mailto:jangiulli@volusia.org); [bbartlett@volusia.org](mailto:bbartlett@volusia.org);  
[jcheney@volusia.org](mailto:jcheney@volusia.org); [mulrich@volusia.org](mailto:mulrich@volusia.org); [tkasbeer@volusia.org](mailto:tkasbeer@volusia.org); [cervin@volusia.org](mailto:cervin@volusia.org);  
[gadair@volusia.org](mailto:gadair@volusia.org); [ppanton@volusia.org](mailto:ppanton@volusia.org); [JWinterwerp@volusia.org](mailto:JWinterwerp@volusia.org); [chisholmjames@codb.us](mailto:chisholmjames@codb.us);  
[MrozekDennis@codb.us](mailto:MrozekDennis@codb.us); [bergerreed@codb.us](mailto:bergerreed@codb.us); [holmesandrew@codb.us](mailto:holmesandrew@codb.us); [ponitzshannon@codb.us](mailto:ponitzshannon@codb.us)  
**Cc:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>  
**Subject:** VA Scoping for New Daytona Outpatient Clinic

Hello All,

Please see the attached scoping letter for VA's proposed new Outpatient Clinic.

Thank you,

Glenn

Glenn Elliott  
Director of Environmental Programs  
Office of Facility Planning  
Construction Facility Management Office  
425 "i" Street NW  
Washington DC, 20003  
O-202-632-5879  
C-202-360-1243

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**From:** Dougherty, Brian <Brian.Dougherty@dep.state.fl.us>  
**Sent:** Thursday, May 7, 2020 1:54 PM  
**To:** Elliott, Glenn (CFM) <Glenn.Elliott@va.gov>  
**Cc:** Booeshaghi, Teresa <Teresa.Booeshaghi@dep.state.fl.us>; Bahr, Tim <Tim.Bahr@FloridaDEP.gov>; Modovsky, Christine M. (CFM) <Christine.Modovsky@va.gov>; Miller, Dee Ann <Dee.Ann.Miller@dep.state.fl.us>  
**Subject:** [EXTERNAL] RE: VA Scoping for New Daytona Outpatient Clinic

Mr. Elliot,  
Please see the attached summary with regard to known Division of Waste Management facilities in the vicinity of the proposed project sites.  
Please let me know if you have any questions,  
Brian



**Brian J. Dougherty**  
Florida Department of Environmental Protection  
Division of Waste Management/District and  
Business Support Program  
Program Manager  
[Brian.Dougherty@FloridaDEP.gov](mailto:Brian.Dougherty@FloridaDEP.gov)  
Office: 850-245-7503

---

**From:** Elliott, Glenn (CFM) <Glenn.Elliott@va.gov>  
**Sent:** Tuesday, May 05, 2020 1:32 PM  
**To:** [Kimberly.L.Wintrich@usace.army.mil](mailto:Kimberly.L.Wintrich@usace.army.mil); [George.Johnson@usda.gov](mailto:George.Johnson@usda.gov); [Jenkins.brandi@Epa.gov](mailto:Jenkins.brandi@Epa.gov); [chuck\\_underwood@fws.gov](mailto:chuck_underwood@fws.gov); [felicia.james@dot.gov](mailto:felicia.james@dot.gov); [yvette.taylor@dot.gov](mailto:yvette.taylor@dot.gov); [ExecSecretariat.FHWA@dot.gov](mailto:ExecSecretariat.FHWA@dot.gov); Miller, Dee Ann <Dee.Ann.Miller@dep.state.fl.us>; Truitt, John <John.Truitt@dep.state.fl.us>; Koerner, Jeff <Jeff.Koerner@dep.state.fl.us>; Bahr, Tim <Tim.Bahr@FloridaDEP.gov>; Melnick, Benjamin <Benjamin.Melnick@floridadep.gov>; Arthur, Jonathan <Jonathan.Arthur@FloridaDEP.gov>; State\_Clearinghouse <State.Clearinghouse@dep.state.fl.us>; Gardner, Ashley <Ashley.Gardner@FloridaDEP.gov>; Watkins, Aaron <Aaron.Watkins@dep.state.fl.us>; [kevin.thibault@dot.state.fl.us](mailto:kevin.thibault@dot.state.fl.us); [jared.perdue@dot.state.fl.us](mailto:jared.perdue@dot.state.fl.us); [Nikki.Fried@FDACS.gov](mailto:Nikki.Fried@FDACS.gov); [FFSupport@FDACS.gov](mailto:FFSupport@FDACS.gov); [shannon.wright@myfwc.com](mailto:shannon.wright@myfwc.com); [kbrinegar@fnai.fsu.edu](mailto:kbrinegar@fnai.fsu.edu); [ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com); [lbollenback@r2ctpo.org](mailto:lbollenback@r2ctpo.org); [knorden@tvedc.com](mailto:knorden@tvedc.com); [grecktenwald@volusia.org](mailto:grecktenwald@volusia.org); [ddbutler@volusia.org](mailto:ddbutler@volusia.org); [tbaylie@volusia.org](mailto:tbaylie@volusia.org);

[rbharris@volusia.org](mailto:rbharris@volusia.org); [jangiulli@volusia.org](mailto:jangiulli@volusia.org); [bbartlett@volusia.org](mailto:bbartlett@volusia.org); [jcheney@volusia.org](mailto:jcheney@volusia.org); [mulrich@volusia.org](mailto:mulrich@volusia.org);  
[tkasbeer@volusia.org](mailto:tkasbeer@volusia.org); [cervin@volusia.org](mailto:cervin@volusia.org); [gadair@volusia.org](mailto:gadair@volusia.org); [ppanton@volusia.org](mailto:ppanton@volusia.org); [JWinterwerp@volusia.org](mailto:JWinterwerp@volusia.org);  
[chisholmjames@codb.us](mailto:chisholmjames@codb.us); [MrozekDennis@codb.us](mailto:MrozekDennis@codb.us); [bergerreed@codb.us](mailto:bergerreed@codb.us); [holmesandrew@codb.us](mailto:holmesandrew@codb.us);  
[ponitzshannon@codb.us](mailto:ponitzshannon@codb.us)

**Cc:** Modovsky, Christine M. (CFM) <[Christine.Modovsky@va.gov](mailto:Christine.Modovsky@va.gov)>

**Subject:** VA Scoping for New Daytona Outpatient Clinic

Hello All,

Please see the attached scoping letter for VA's proposed new Outpatient Clinic.

Thank you,

Glenn

Glenn Elliott  
Director of Environmental Programs  
Office of Facility Planning  
Construction Facility Management Office  
425 "I" Street NW  
Washington DC, 20003  
O-202-632-5879  
C-202-360-1243



- Site 1: Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road in the City of Daytona Beach. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 423100000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.

Potential environmental concerns or issues;

- Records of site investigations, remediation agreements/orders, and related correspondence;  
These Waste Management sites are within a 1000 ft of this area.
  - Brownfield Area - BF640401000 - Daytona Beach Area - Areo Park
  - Compliance & Enforcement Tracking-Hazardous Waste Facilities – FLR000157032
  - Storage Tank Contamination Monitoring (STCM) – 9810339  
Advent Health Daytona Beach, 301 Memorial Medical Pkwy, Daytona Beach, 32117



- Site 2: Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard in the City of Daytona Beach. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000040. Site 2 includes approximately 25 acres of undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.

Potential environmental concerns or issues;

- Records of site investigations, remediation agreements/orders, and related correspondence;  
These Waste Management sites are within a 1000 ft of this area.
  - Brownfield Area - BF640401000 - Daytona Beach Area - Areo Park
  - Compliance & Enforcement Tracking-Hazardous Waste Facilities - FLR000119222  
Advanced Technology Center, 1770 Technology Blvd, Daytona Beach, 32117



- Site 3: Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard in the City of Daytona Beach. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.

Potential environmental concerns or issues;

- Records of site investigations, remediation agreements/orders, and related correspondence;

These Waste Management sites are within a 1000 ft of this area.

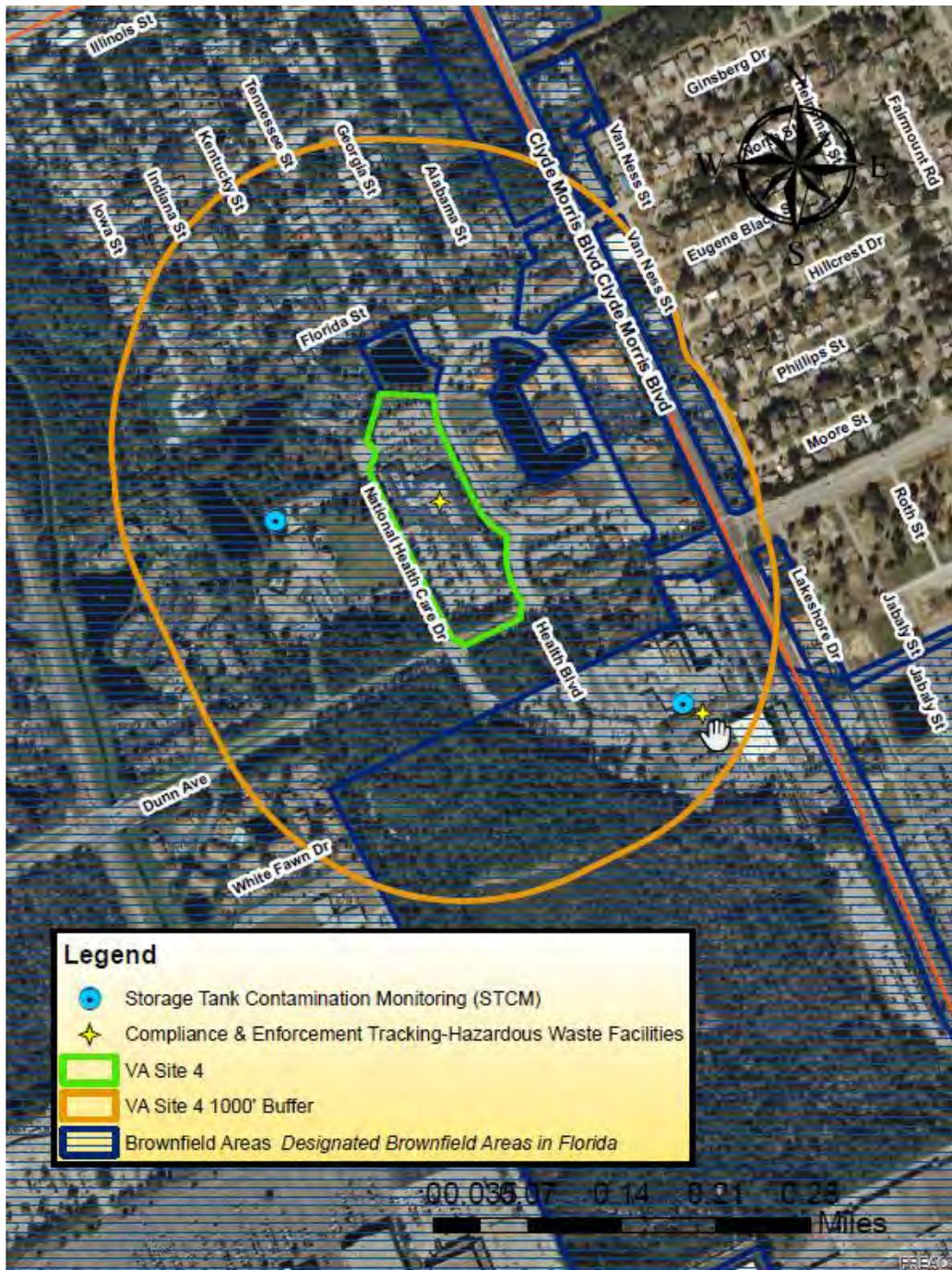
- Brownfield Area - BF640401000 - Daytona Beach Area - Areo Park
- Petroleum Contamination Monitoring (PCTS) Discharges from STCM – 9701014  
7-ELEVEN FOOD STORE #32220, 2100 LPGA BLVD, Daytona Beach, 32117
- Compliance & Enforcement Tracking-Hazardous Waste Facilities - FLR000119222  
Advanced Technology Center, 1770 Technology Blvd, Daytona Beach, 32117



- Site 4: Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue in the City of Daytona Beach. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building.

Potential environmental concerns or issues;

- Records of site investigations, remediation agreements/orders, and related correspondence;  
These Waste Management sites are within a 1000 ft of this area.
  - Brownfield Area - BF640401000 - Daytona Beach Area - Areo Park
  - Storage Tank Contamination Monitoring (STCM) – 9601924  
Solaris Healthcare Daytona, 550 National HealthCare Dr, Daytona Beach, 32114  
Halifax Medical Ctr, 400 N Clyde Morris Blvd, Daytona Beach, 32114
  - Compliance & Enforcement Tracking-Hazardous Waste Facilities - FLR000084749  
VA Outpatient Clinic, 551 National HealthCare Dr, Daytona Beach, 32114  
Compliance & Enforcement Tracking-Hazardous Waste Facilities - FLD984209122  
Humana Hospital Daytona Beach, 400 N Clyde Morris Blvd, Daytona Beach, 32114



**From:** Jon Cheney [<mailto:jcheney@volusia.org>]  
**Sent:** Tuesday, June 30, 2020 11:13 AM  
**To:** Paul Jackson <[pjackson@tlassoc.com](mailto:pjackson@tlassoc.com)>  
**Cc:** Clay Ervin <[CErvin@volusia.org](mailto:CErvin@volusia.org)>; Melissa Winsett <[MWinsett@volusia.org](mailto:MWinsett@volusia.org)>  
**Subject:** Re: [EX] Proposed Veterans Affairs Outpatient Clinic, Daytona Beach, FL

Paul,  
Pls refer to our traffic assessment of each site, which should answer some of your questions below. Pls note, we typically look at the peak hour volumes as opposed to daily volumes, which indicates that the section of Dunn Ave b/w Bill Frances & Clyde Morris Blvd is over capacity by about 30 vehicles in the peak hour.

In addition, the county uses actual traffic counts at several locations along Dunn Ave, whereas, the Florida DOT uses computer modeling to generate traffic volumes along non-state roads. The Florida DOT daily count (7,000 vehicles per day) b/w Williamson & SR5A/Nova Rd is consistent with our count b/w Wiliamson Blvd to Bill Frances Ave (6,900 vehicles per day).

We currently have no funding for any improvements along Dunn Ave. The County has identified Dunn Ave widening as an unfunded transportation need and this project was included in our recent 1/2 cent sales surtax initiative that failed last year. We have proposed the widening (Williamson Blvd to Clyde Morris Blvd) in the River to Sea Transportation Planning Agency's (R2CTPO) 2045 Long Range Transportation Plan - Local Projects. We are awaiting a R2CTPO public hearing to obtain feedback from the public & local jurisdictions before finalizing our projects.

If you have any further questions, pls contact me. jon:-)

Jon:-)

Jon Cheney, P.E.  
County of Volusia Traffic Engineering  
123 West Indiana Avenue  
DeLand, FL 32720-4262  
Tel: 386-736-5968, ext. 12709  
Fax: 386-740-5242  
email: [jcheney@volusia.org](mailto:jcheney@volusia.org)  
website: [volusia.org/traffic](http://volusia.org/traffic)

>>> Paul Jackson <[pjackson@tlassoc.com](mailto:pjackson@tlassoc.com)> 6/29/2020 11:43 AM >>>

Mr. Cheney:

I am following up on the email that was submitted to you on May 5, 2020 from the Department of Veterans Affairs (VA) for the reference project. As described in the attached letter, one of the alternatives for the referenced project includes the expansion of the existing VA Outpatient Clinic located at 551 National Healthcare Drive in Daytona Beach. Our research has identified a couple of concerns with this alternative that I'm hoping you will be able to clarify for us. First, based on 2018 Volusia County data, the Annual Average Daily Traffic (AADT) for Dunn Avenue (14,510 daily vehicles) exceeds its capacity (14,010 daily vehicles) and Dunn Avenue currently operates at a failing level of service (LOS F). At this time, the only improvement project I've identified for Dunn Avenue is the current shoulder paving project. My questions to you are:

- 1) Are other traffic improvement projects being studied, proposed, and/or planned for Dunn Avenue to alleviate/improve traffic along Dunn Avenue?
- 2) If any, what are the timing of those projects?
- 3) Florida Department of Transportation (FLDOT) Florida Traffic Online lists the 2019 AADT for Dunn Avenue as 7,000 vehicles per day. Is that number simply unlabeled and represents one direction only or is there another reason that FLDOT AADT is different from Volusia County's AADT?

Thanks,

**Paul Jackson**

**Environmental Scientist**

**TTL Associates, Inc.**

44265 Plymouth Oaks Boulevard | Plymouth, MI 48170 | [tlassoc.com](http://tlassoc.com)

Direct: (734) 582-4960 | Fax: (734) 582-4961



**INTER-OFFICE MEMORANDUM**



**TO:** Jon Cheney, PE, Director of Traffic Engineering

**FROM:** Melissa Winsett, Transportation Planner

**DATE:** May 7, 2020

**SUBJECT:** Veterans Administration Outpatient Clinic – Transportation Review

Traffic Engineering was asked to provide a transportation evaluation of four potential sites for a new, relocated Veteran’s Administration (VA) Outpatient Clinic in Daytona Beach. The existing VA building is located on Dunn Avenue.

***Trip Generation***

According to the information provided by the VA, the proposed site will be 122,800 square feet. The table below shows the trip generation potential for the site.

***Trip Generation***

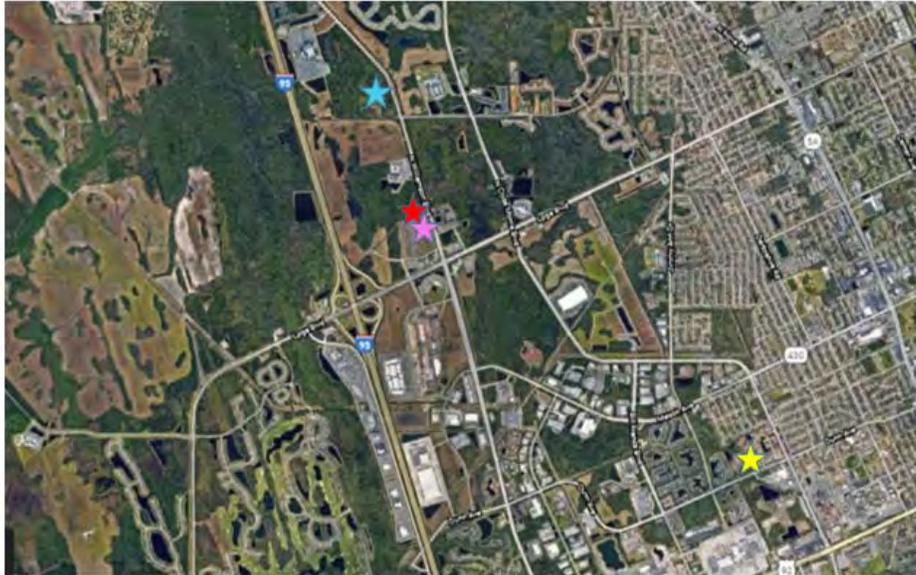
<b>Square Feet</b>	<b>ITE Code #720, Medical Dental Office</b>	<b>Daily Trip Generation</b>	<b>PM Peak Hour Trip Generation</b>
122,900	3.46 PM Peak Hour Trips per 1000 Square Feet	4277	425

***Site Locations***

The following four locations were identified as possible site for a new outpatient clinic:

- Site 1: West side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road
- Site 2: West side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard
- Site 3: West side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard
- Site 4: 551 National Health Care Drive, along the north side of Dunn Avenue (site is adjacent to existing VA site in Daytona Beach)

## Potential Sites



★ Site 1      ★ Site 2      ★ Site 3      ★ Site 4

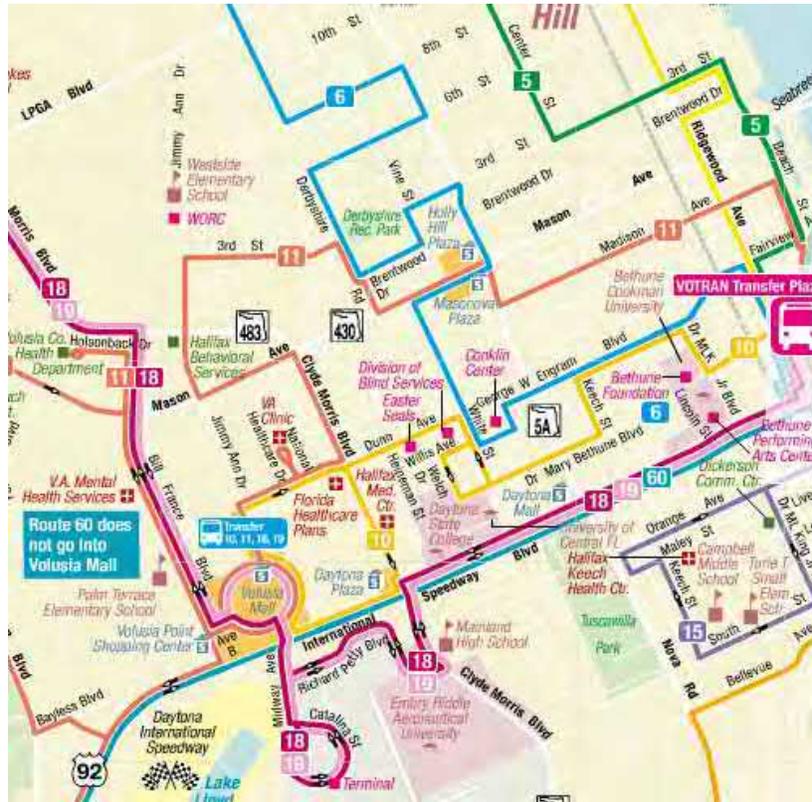
### Transit Service

All four sites have public transit service available. Routes 18 and 19 currently service Williamson Blvd, adjacent to sites 1, 2 and 3. Both routes have 60-minute headways. Additionally, service for Site 4 on Dunn Avenue exists with routes 10 and 11. Both routes have 30 minute headways. Votran's route map is below:

### Votran Routes – Sites 1-3



**Votran Routes – Sites 4**



**Existing Conditions Capacity Analysis**

Area roadways were analyzed based on proximity to the four potential sites identified by the VA's May 5<sup>th</sup> scoping letter sent to stakeholders. Please find a summary and detailed table of the area roads, 2019 AADT, 2019 adopted capacity, vested trips, and remaining capacity.

**Capacity Analysis of Area Roadways (without improvements)**

Roadway	Limits	Adopted LOS	2019 PM Peak Hour Traffic	Vested Trips*	Total PM Peak Hr Trips	Adopted LOS Peak-Hr Capacity	Available Trip Capacity for Other Development
I-95	US 92 to LPGA Blvd	D	6120**		6120	10,060	3940
I-95	LPGA Blvd to SR 40	D	5680		5680	11,860	6180
SR 40	Tymber Ck to I-95	D	3582**	322	3904	3580	None
SR 40	I-95 to Clyde Morris	D	3582**	62	3644	3580	None
Dunn Ave	Tomoka Farms to Williamson Blvd	E	470	253	723	1540	817
Dunn Ave	Williamson to Bill France Blvd	E	660	71	731	1540	809
Dunn Ave	Bill France Blvd to Clyde Morris Blvd	E	1200	96	1296	1270	None
Clyde Morris Blvd	Mason Ave to Bill France Blvd	E	1230		1230	3410	2180
Clyde Morris Blvd	Bill France Blvd to LPGA Blvd	E	1340		1340	3410	3285

Clyde Morris Blvd	LPGA Blvd to Hand Ave	E	1250		1250	3410	2160
LPGA Blvd	I-95 to Outlet Blvd	E	2410	3825	6235	3080	None
LPGA Blvd	Outlet Blvd to Williamson Blvd	E	2410	2722	5132	3080	None
LPGA Blvd	Williamson to Clyde Morris Blvd	E	2610	1968	4578	3410	None
Mason Ave	Williamson to Fentress Blvd	E	1030	439	1469	1620	151
Mason Ave	Fentress to Bill France Blvd	E	1290	440	1730	1620	None
Mason Ave	Bill France to Jimmy Ann Drive	E	1060		1060	3410	2350
Mason Ave	Jimmy Ann to Clyde Morris Blvd	E	1200		1200	3410	2210
Williamson Blvd	Dunn Ave to Mason Ave	E	1820		1820	3410	1590
Williamson Blvd	Mason Ave to LPGA Blvd	E	1940	1429	3369	3410	41
Williamson Blvd	LPGA Blvd to Strickland Range	E	1520	593	2113	1540	None
Williamson Blvd	Strickland Range to Hand Ave	E	1520	593	2113	1540	None
Williamson Blvd	Hand Ave to SR 40	E	1770		1770	3410	1640

\* Information is from the County's vested trip database and does not include all development being approved by the City of Daytona Beach.

\*\*Peak Hour Factor of .9 applied.

As shown in the table above, several roadways in the area operate below the adopted level of service. The segments fail due to approved development trips that are not yet reflected in the latest traffic count data. Failing roadways include SR 40, Dunn Ave, LPGA Blvd, Mason Ave, and Williamson Blvd.

The area has two anticipated road projects that are currently being planned and constructed including:

- Williamson Blvd 4-laning between Strickland Range Road and LPGA Blvd
- LPGA Blvd 6-laning between I-95 and Williamson Blvd

The following table reflects capacities with the planned improvements:

***Capacity Analysis of Area Roadways (with improvements)***

Roadway	Limits	Adopted LOS	2019 PM Peak Hour Traffic	Vested Trips*	Total PM Peak Hr Trips	Adopted LOS Peak-Hr Capacity	Available Trip Capacity for Other Development
I-95	US 92 to LPGA Blvd	D	6120**		6120	10,060	3940
I-95	LPGA Blvd to SR 40	D	5680		5680	11,860	6180
SR 40	Tymber Ck to I-95	D	3582**	322	3904	3580	None
SR 40	I-95 to Clyde Morris	D	3582**	62	3644	3580	None
Dunn Ave	Tomoka Farms to Williamson Blvd	E	470	253	723	1540	817
Dunn Ave	Williamson to Bill France Blvd	E	660	71	731	1540	809
Dunn Ave	Bill France Blvd to Clyde Morris Blvd	E	1200	96	1296	1270	None

Clyde Morris Blvd	Mason Ave to Bill France Blvd	E	1230		1230	3410	2180
Clyde Morris Blvd	Bill France Blvd to LPGA Blvd	E	1340		1340	3410	3285
Clyde Morris Blvd	LPGA Blvd to Hand Ave	E	1250		1250	3410	2160
LPGA Blvd	I-95 to Outlet Blvd	E	2410	3825	6235	<b>5120</b>	<b>None</b>
LPGA Blvd	Outlet Blvd to Williamson Blvd	E	2410	2722	5132	<b>5120</b>	<b>None</b>
LPGA Blvd	Williamson to Clyde Morris Blvd	E	2610	1968	4578	3410	<b>None</b>
Mason Ave	Williamson to Fentress Blvd	E	1030	439	1469	1620	151
Mason Ave	Fentress to Bill France Blvd	E	1290	440	1730	1620	<b>None</b>
Mason Ave	Bill France to Jimmy Ann Drive	E	1060		1060	3410	2350
Mason Ave	Jimmy Ann to Clyde Morris Blvd	E	1200		1200	3410	2210
Williamson Blvd	Dunn Ave to Mason Ave	E	1820		1820	3410	1590
Williamson Blvd	Mason Ave to LPGA Blvd	E	1940	1429	3369	3410	41
Williamson Blvd	LPGA Blvd to Strickland Range	E	1520	593	2113	<b>3410</b>	1297
Williamson Blvd	Strickland Range to Hand Ave	E	1520	593	2113	1540	<b>None</b>
Williamson Blvd	Hand Ave to SR 40	E	1770		1770	3410	1640

\*Information is from the County's vested trip database and does not include all development being approved by the City of Daytona Beach.

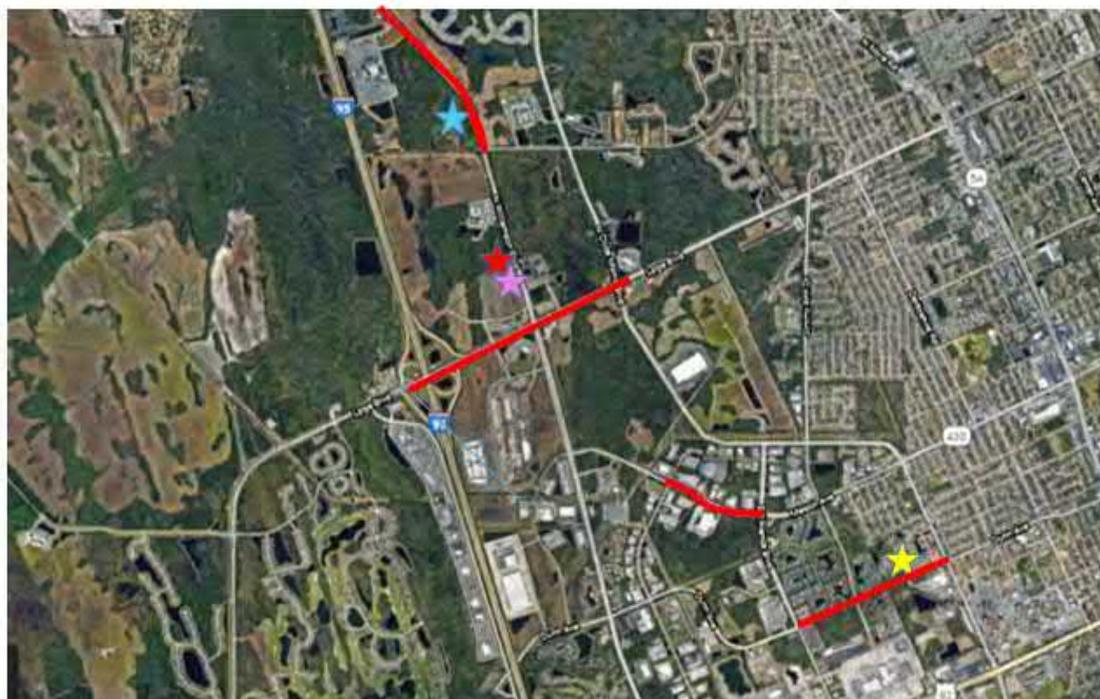
\*\*Peak Hour Factor of .9 applied.

As shown above, even with the two capacity improvement projects, the area will have congested roads including:

- SR 40 from Tymber Creek Road to Clyde Morris Blvd – Needs 6-laning
- Dunn Avenue from Bill France Blvd to Clyde Morris Blvd – Needs 4-laning
- LPGA Blvd from I-95 to Clyde Morris Blvd – Needs 8-laning
- Mason Avenue from Fentress Blvd to Bill France Blvd – Needs 4-laning
- Williamson Blvd from Strickland Range Road to Hand Avenue – Needs 4-laning

The following map illustrates the failing segments in red on the sites location map.

### *Congested Roads within Close Proximity to Sites*



★ Site 1

★ Site 2

★ Site 3

★ Site 4

#### **Future Williamson Blvd 4-lane widening (Strickland Range Road to Hand Ave)**

According to the County's Engineering & Construction Division staff, a retention pond is needed for the 4-lane widening to handle storm water drainage. Site 1 is the area (ie., north of Strickland Range Road and west of Williamson Blvd) identified as the best area for said retention pond.

#### **Conclusions:**

- All potential locations will be within close proximity to congested roadways.
- Site 4 on Dunn Avenue would have less congested roadways, mostly attributed to being located in an older developed area with a grid street network that disperses traffic to multiple roads. That site would generate less additional trips than the other sites since the current VA building, which would be expanded and improved, already generates traffic.
- Sites 1-3, all on Williamson Blvd, would have more congested roadways with less local streets that disperse traffic.
- Site 4 would have access to two Votran routes, and Sites 1-3 would have access to one Votran route.

If you would like to discuss this further or need additional information, please contact me at 386-736-5968 x 12322.

cc: Clay Ervin  
Tadd Kasbeer



**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Mr. Timothy Parsons, Director  
Florida Department of State  
Division of Historical Resources (FL SHPO)  
R.A. Gray Building  
500 S. Bronough Street, Room 423  
Tallahassee, Florida 32399-0250

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Mr. Parsons,

The Orlando Veterans (VA) Health Care System, which provides primary, mental health, and specialty care to Veterans in the Daytona Beach, Volusia County, Florida area, is initiating Section 106 consultation with the Florida State Historic Preservation Office (SHPO) for the referenced project.

### **Undertaking**

VA proposes to lease and operate a new Daytona Beach Outpatient Clinic (OPC) in Volusia County. The proposed OPC would be one or two-story, approximately 122,900 square feet, slab-on-grade building and the site would include approximately 750 parking spaces. The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The specific development plans for the new OPC have not been determined, but it is anticipated that the majority of the selected site would be developed with the OPC building, associated parking, landscaping and other amenities. The OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The proposed OPC would be located on one of four sites located in the City of Daytona Beach. The four prospective OPC sites are as follows:

- **Site 1:** Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 42310000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.

- Site 2: Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000040. Site 2 includes approximately 25 acres of undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.
- Site 3: Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.
- Site 4: Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building. The approximately two-acre temporary parking lot would be removed upon completion of the OPC development.

The locations of the four prospective sites are shown in Attachments 1A – 1F.

### **Area of Potential Effect**

The Area of Potential Effect (APE) for this undertaking encompasses the proposed site to address direct effects plus a buffer of 150 feet to address viewshed concerns related to the height of new construction. The APE for archaeological resources is limited to the areas proposed for ground disturbance. The APE for Site 4 includes the two-acre temporary parking lot area west of the site.

### **Identification of Historic Properties**

Cultural resources specialists who meet the *Professional Qualification Standards* for Archaeology and/or Architectural History established by the Secretary of Interior conducted cultural resource studies in compliance with the Florida Cultural Resource Assessment Survey (CRAS) guidelines for the prospective sites and the immediate surrounding areas to identify properties that are more than 50 years of age and that retain sufficient integrity to warrant listing in the National Register of Historic Places (NRHP). Identification efforts included a review of the Florida Master Site File, NRHP data, and historic maps and aerial photographs. In addition, archaeological pedestrian inspections and shovel testing was conducted at each site. The CRAS reports, prepared by Smyrna Archaeological Research Institute, Inc. (Site 1), Dynamic Environmental Associates, Inc. (Site 2), Environmental Services, Inc. (Site 3), and SouthArc, Inc. (Site 4), are attached.

#### Site 1:

*Built Resources:* Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

*Archaeological Resources:* The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

*Traditional Cultural Properties:* VA has determined that there are no recorded Traditional Cultural Properties within the APE.

#### Site 2:

*Built Resources:* Based on the CRAS research, VA has determined that there are no historic buildings located within the APE. The Florida Master Site File lists one recorded cultural resource within the designated APE; Old Railroad Grade (VO10231), located in the southern portion of Site 2, was determined ineligible for the NRHP in September 2019.

*Archaeological Resources:* The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

*Traditional Cultural Properties:* VA has determined that there are no recorded Traditional Cultural Properties within the designated APE.

#### Site 3:

*Built Resources:* Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

*Archaeological Resources:* The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

*Traditional Cultural Properties:* VA has determined that there are no recorded Traditional Cultural Properties within the designated APE.

#### Site 4:

*Built Resources:* Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

*Archaeological Resources:* The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

*Traditional Cultural Properties:* VA has determined that there are no recorded Traditional Cultural Properties within the designated APE.

### **Public Outreach**

On May 27, 2020, VA sent Section 106 consultation letters to the following Tribes: the Coushatta Tribe of Louisiana, the Miccosukee Tribe of Indians, the Muscogee (Creek) Nation, the Seminole Tribe of Florida, as well as the City of Daytona Beach Historic Preservation Board and the Volusia County Historic Preservation Board requesting additional information concerning historic properties that could be affected by the proposed OPC development. As of the date of this letter, no responses have been received.

### **Determination of Effects to Historic Properties**

Therefore, based on our cultural resources research, VA has determined, pursuant to 36 CFR 800.4(d)(1), that no historic properties will be affected by the proposed undertaking within the designated APEs and requests your determination of concurrence.

VA will notify your office and proceed in accordance with 36 CFR Part 800 should potential consulting parties provide additional information concerning unidentified historic properties potentially affected by this undertaking.

We thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,



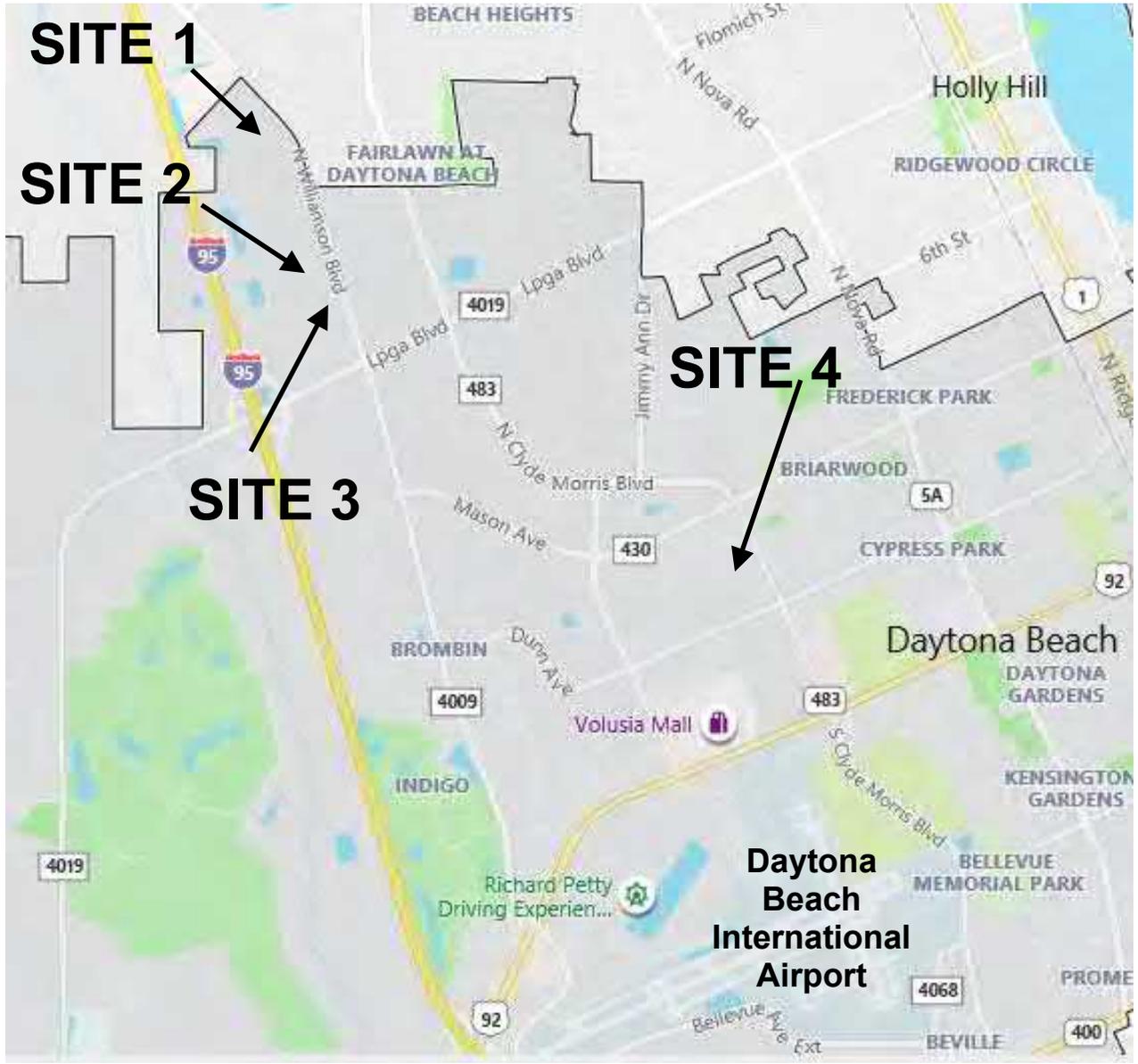
Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

Attachment 1A through 1F: Site Location Maps  
Phase I Cultural Resource Assessment Survey prepared by Smyrnea Archaeological Research  
Institute, Inc. (Site 1)  
Cultural Resource Assessment Survey prepared by Dynamic Environmental Associates, Inc. (Site  
2)  
Cultural Resource Assessment Survey prepared by Environmental Services, Inc. (Site 3)  
Cultural Resource Assessment Survey and Addendum prepared by SouthArc, Inc. (Site 4)

CC: Doug Pulak, VA Federal Preservation Officer

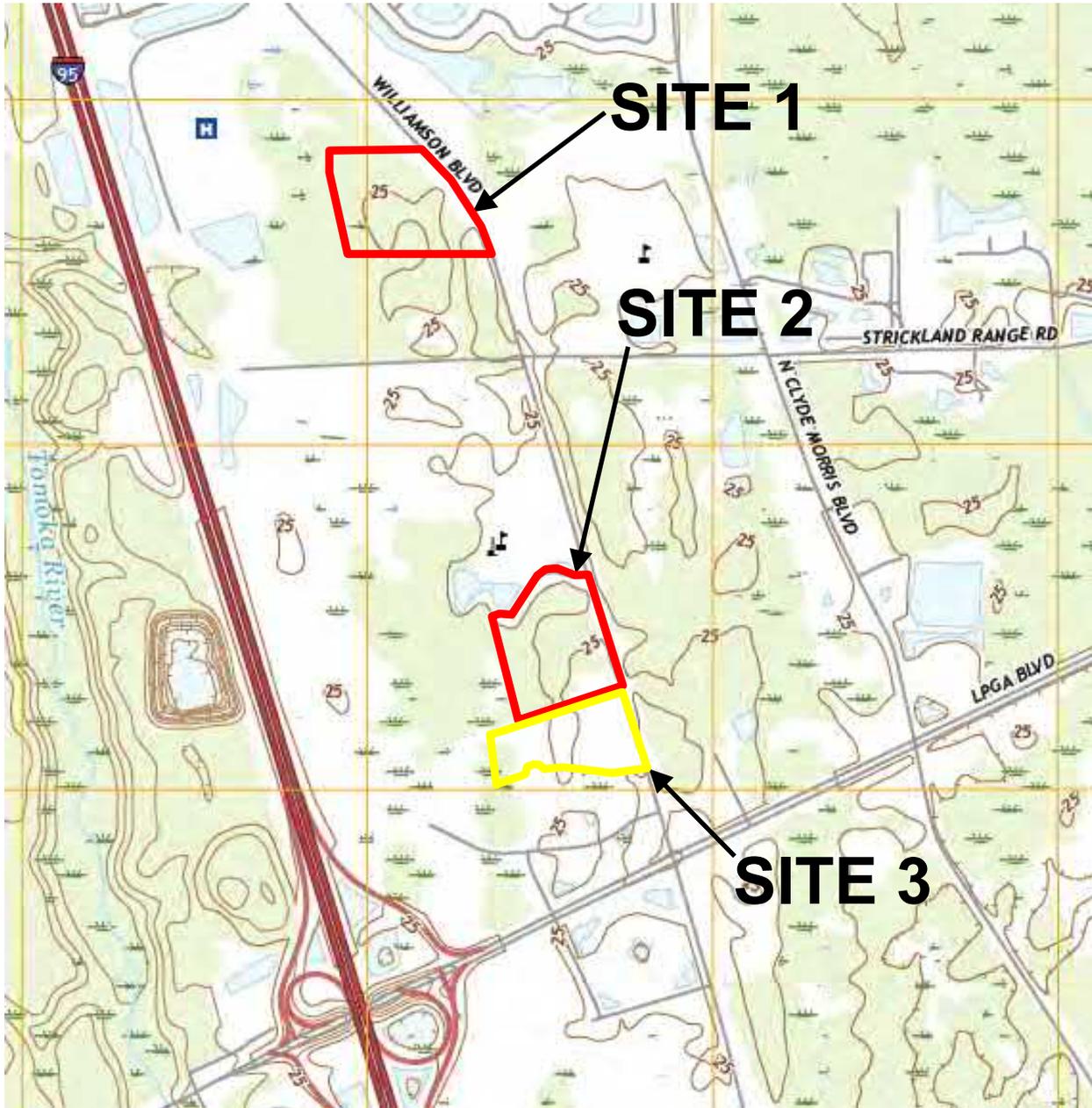
**ATTACHMENT 1A**

**SITES LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



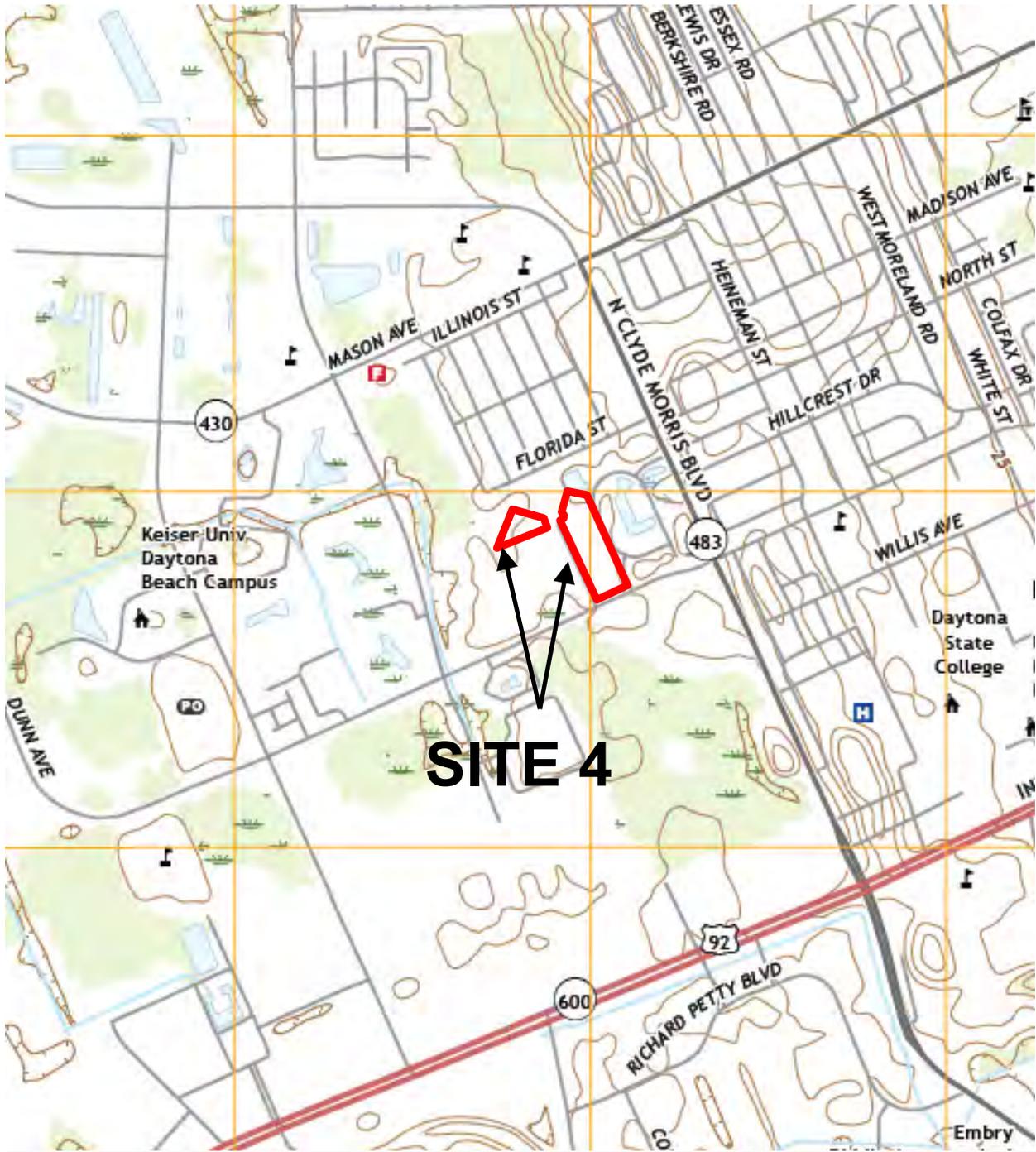
**ATTACHMENT 1B**

**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1C**

**SITE 4 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1D**

**SITE 1 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1E**

**SITES 2 AND 3 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**





## FLORIDA DEPARTMENT OF STATE

**RON DESANTIS**  
Governor

**LAUREL M. LEE**  
Secretary of State

Department of Veterans Affairs  
Office of Construction & Facilities Management  
Washington DC 20420

June 30, 2020

RE: DHR Project File No.: 2020-3585-B-E, Received by DHR: May 27, 2020  
*A Phase One Cultural Resource Assessment Survey of Volusia County Parcel 42310000071, Daytona Beach, Florida; Cultural Resource Assessment Survey Report, Daytona Beach Clinic, Volusia County, FL; A Cultural Resource Assessment Survey of the Villas of Tomoka, Volusia County, Florida; Cultural Resources Assessment Survey, Florida VA Outpatient Clinic, Volusia County, Florida*

To Whom It May Concern,

Our office received and reviewed the above referenced project for possible effects on historic properties listed, or eligible for listing, on the National Register of Historic Places (NRHP). The review was conducted in accordance with *Section 106 of the National Historic Preservation Act of 1966*, as amended, and its implementing regulations in *36 CFR Part 800: Protection of Historic Properties*.

Our office reviewed the above-referenced cultural resource assessment surveys (CRAS), which correspond with four potential sites selected for the proposed VA Daytona Beach Outpatient Clinic (OPC) in Volusia County.

In April 2020, Smyrnéa Archaeological Research Institute (SARI) conducted *A Phase One Cultural Resource Assessment Survey of Volusia County Parcel 42310000071, Daytona Beach, Florida* for West Second Street Associates LLC as RLP Offeror on behalf of the VA Outpatient Clinic, in compliance with *Section 106 of the National Historic Preservation Act of 1966*.

SARI encountered no cultural resources within the 24.9-acre project area, "Site 1," during their investigation. SARI recommends a determination of no adverse effect to cultural resources in the APE and proposes that the project may proceed with no further action needed concerning cultural resources.

Our office has reviewed the referenced report and recommends that supplemental subsurface testing of the project area be completed. As historic aerials from 1952-1957 show that a branch of the Tomoka River ran through a portion of the parcel, the CRAS report mentions the presence of sand pine scrub in the APE, and there appear to be areas of relative elevation increase around extant wetlands/sloughs, effort should be made to reevaluate and test any areas determined to be of moderate or high archaeological probability. This includes any extant hammocks, areas of relative elevation increase around wetlands/sloughs, and documented sand pine scrub, which is one of Florida's oldest ecosystems. Additionally, the remaining 12 shovel test pits (STPS) planned in LPZs should be excavated. Our office asks that an updated report and map of shovel test pits be submitted to our office for review and comment.

In April 2020, Dynamic Environmental Associates, Inc. (DEA) conducted *Cultural Resource Assessment Survey Report, Daytona Beach Clinic, Volusia County, FL* for Carnegie Management and Development Corporation in compliance with *Section 106 of the National Historic Preservation Act of 1966*.

**Division of Historical Resources**  
R.A. Gray Building • 500 South Bronough Street • Tallahassee, Florida 32399  
850.245.6300 • 850.245.6436 (Fax) • FLHeritage.com



DEA revisited one historic linear resource, Old Railroad Grade (8VO10231), within the 30.1-acre project area, "Site 2," during their investigation. DEA continues to recommend 8VO10231 ineligible for listing in the NRHP under Criteria A-D and recommends no further work.

Based on the information provided, our office concurs that this section of 8VO10231 remains ineligible for listing in the NRHP and that the referenced project in "Site 2" is unlikely to affect historic properties listed, or eligible for listing, in the NRHP, or otherwise of historical, architectural or archaeological value within the APE. Further, we find the submitted report complete and sufficient in accordance with Chapter 1A-46, *Florida Administrative Code*.

In April 2020, Environmental Services, Inc. (ESI), A Terracon Company, conducted *A Cultural Resource Assessment Survey of the Villas of Tomoka, Volusia County, Florida* for JTW Development LLC in compliance with *Section 106 of the National Historic Preservation Act of 1966*.

ESI revisited one historic linear resource, Old Railroad Grade (8VO10231), within the 20-acre project area, "Site 3," during their investigation. ESI continues to recommend 8VO10231 ineligible for listing in the NRHP and proposes that the project area will not adversely affect any historic properties within or nearby the project area.

Our office has reviewed the referenced report and recommends that supplemental subsurface testing of the southeast corner of the project area be completed. Our office asks that an updated report including these STPs and explicitly addressing 8VO10231 in the results section, map of shovel test pits, and Florida Master Site File *Resource Group Form* for 8VO10231 be submitted to our office for review and comment.

In April 2020, South Arc, Inc. conducted *Cultural Resources Assessment Survey, Florida VA Outpatient Clinic, Volusia County, Florida Gov. National Healthcare Drive, LLC* in compliance with *Section 106 of the National Historic Preservation Act of 1966*.

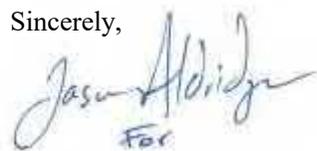
South Arc., Inc. encountered no cultural resources within the 8.5-acre project area, "Site 4," during their investigation. South Arc., Inc. proposes that the development of the tract will not impact any cultural resources which are listed on or eligible for listing in the NRHP and recommends no further research.

Based on the information provided, our office concurs that the referenced project in "Site 4" is unlikely to affect historic properties listed, or eligible for listing, in the NRHP, or otherwise of historical, architectural or archaeological value within the APE. Further, we find the submitted report complete and sufficient in accordance with Chapter 1A-46, *Florida Administrative Code*.

In addition to any items requested in the previous paragraphs, our office asks that hard copies of the CRAS reports, *Survey Logs*, and maps for the proposed VA Daytona Beach Outpatient Clinic (OPC) be submitted to our office for archival purposes.

If you have any questions, please contact Kristen Hall, Historic Sites Specialist, by email at [Kristen.Hall@dos.myflorida.com](mailto:Kristen.Hall@dos.myflorida.com), or by telephone at 850.245.6342 or 800.847.7278.

Sincerely,

A handwritten signature in blue ink that reads "Jason Aldridge" with "For" written below it.

Timothy A. Parsons, Ph.D.  
Director, Division of Historical Resources  
& State Historic Preservation Officer



**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Mr. Douglas M. Gutierrez, AICP  
City of Daytona Beach  
Senior Planner  
Historic Preservation Board  
301 South Ridgewood Avenue, Room 240  
Daytona Beach, FL 32114

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Mr. Gutierrez,

Pursuant to Section 106 of the National Historic Preservation Act (54 USC 306108), the U.S. Department of Veterans Affairs (VA) Orlando Veterans Health Care System is initiating Section 106 consultation with the Daytona Beach Historic Preservation Board, as the City of Daytona Beach Certified Local Government, for implementation of the referenced project.

**Undertaking**

VA proposes to lease and operate a new Daytona Beach Outpatient Clinic (OPC) in Volusia County. The proposed OPC would be one or two-story, approximately 122,900 square feet, slab-on-grade building and the site would include approximately 750 parking spaces. The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The specific development plans for the new OPC have not been determined, but it is anticipated that the majority of the selected site would be developed with the OPC building, associated parking, landscaping and other amenities. The OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The proposed OPC would be located on one of four sites located in the City of Daytona Beach. The four prospective OPC sites are as follows:

- Site 1: Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 42310000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.

- Site 2: Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000040. Site 2 includes approximately 25 acres of undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.
- Site 3: Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.
- Site 4: Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building. The approximately two-acre temporary parking lot would be removed upon completion of the OPC development.

The locations of the four prospective sites are shown in Attachments 1A – 1F.

### **Area of Potential Effect**

The Area of Potential Effect (APE) for this undertaking encompasses the proposed site to address direct effects plus a buffer of 150 feet to address viewshed concerns related to the height of new construction. The APE for archaeological resources is limited to the areas proposed for ground disturbance. The APE for Site 4 includes the two-acre temporary parking lot area west of the site.

### **Identification of Historic Properties**

Cultural resources specialists who meet the *Professional Qualification Standards* for Archaeology and/or Architectural History established by the Secretary of Interior conducted cultural resource studies in compliance with the Florida Cultural Resource Assessment Survey (CRAS) guidelines for the prospective sites and the immediate surrounding areas to identify properties that are more than 50 years of age and that retain sufficient integrity to warrant listing in the National Register of Historic Places (NRHP). Identification efforts included a review of the Florida Master Site File, NRHP data, and historic maps and aerial photographs. In addition, archaeological pedestrian inspections and shovel testing was conducted at each site.

#### Site 1:

Based on the CRAS research, VA has determined that there are no historic buildings located

within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

Site 2:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE. The Florida Master Site File lists one recorded cultural resource within the designated APE; Old Railroad Grade (VO10231), located in the southern portion of Site 2, was determined ineligible for the NRHP in September 2019.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

Site 3:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

Site 4:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

**Determination of Effects to Historic Properties**

Therefore, based on our cultural resources research, VA has determined, pursuant to 36 CFR 800.4(d)(1), that no historic properties will be affected by the proposed undertaking and requests your comment on the agency's finding per 36 CFR Part 800 by June 29, 2020.

Thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,

*Samuel Perminter Jr*

Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

Attachment 1A through 1F: Site Location Maps

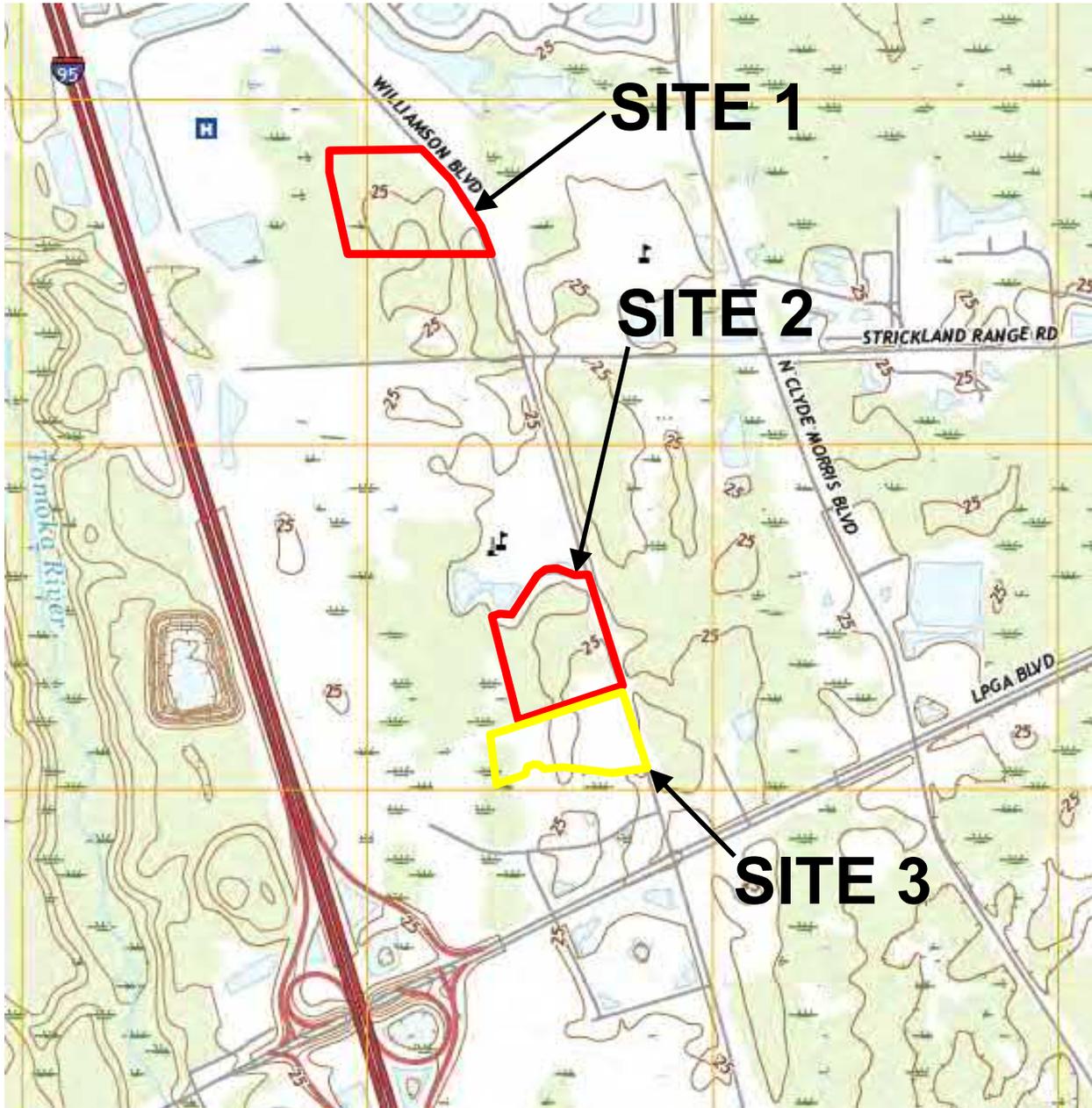
**ATTACHMENT 1A**

**SITES LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



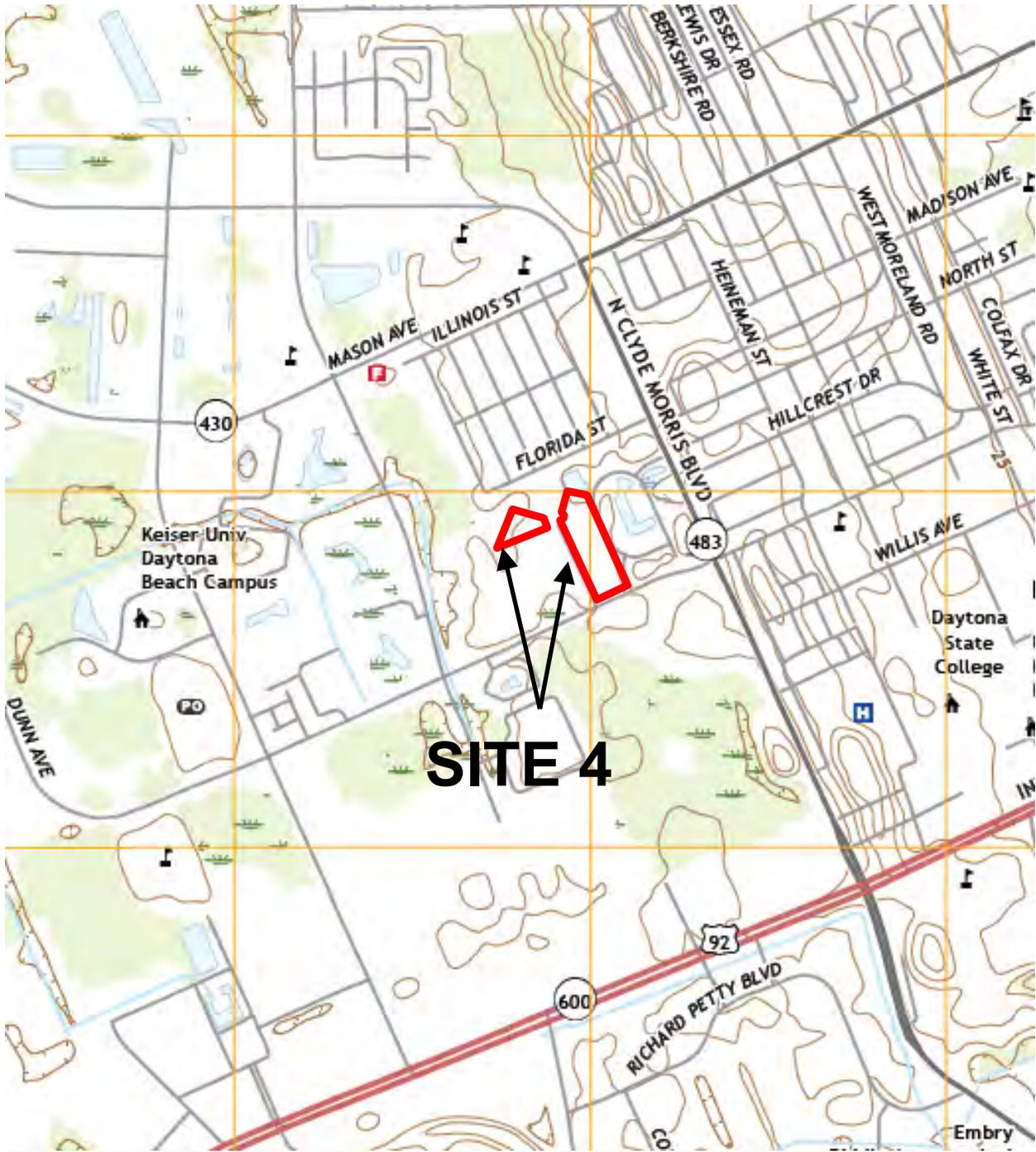
**ATTACHMENT 1B**

**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1C**

**SITE 4 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1D**

**SITE 1 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1E**

**SITES 2 AND 3 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**From:** Gutierrez, Doug [<mailto:GutierrezDoug@CODB.US>]  
**Sent:** Thursday, May 28, 2020 8:57 AM  
**To:** Perminter, Jr., Samuel (CFM) ([samuel.perminter@va.gov](mailto:samuel.perminter@va.gov))  
**Cc:** Rob Clark  
**Subject:** RE: Section 106 Consultation Proposed VA Daytona Beach Outpatient Clinic

Mr. Perminter,

Staff is in agreement with the assessment that no historic resources will be affected by any of the proposed OPC sites listed in the section 106 Consultation letter.

Kind Regards

*Doug Gutierrez, AICP*

Principal Planner/Historic Preservation Officer  
Development Services/Planning Division  
City of Daytona Beach  
301 S. Ridgewood Ave.  
Daytona Beach, FL 32114  
Phone: 386-671-8160  
[gutierrezd@codb.us](mailto:gutierrezd@codb.us)



**From:** Rob Clark <[rclark@tlassoc.com](mailto:rclark@tlassoc.com)>  
**Sent:** Wednesday, May 27, 2020 5:13 PM  
**To:** Gutierrez, Doug <[GutierrezDoug@CODB.US](mailto:GutierrezDoug@CODB.US)>  
**Cc:** Perminter, Jr., Samuel (CFM) ([samuel.perminter@va.gov](mailto:samuel.perminter@va.gov)) <[samuel.perminter@va.gov](mailto:samuel.perminter@va.gov)>  
**Subject:** Section 106 Consultation Proposed VA Daytona Beach Outpatient Clinic

Mr. Gutierrez,

On behalf of the US Department of Veterans Affairs, please find attached the Section 106 Consultation letter for the proposed VA Daytona Beach Outpatient Clinic (OPC). VA is considering four prospective sites for the new OPC, which would be constructed by a developer on a build-to-suit basis and leased by VA for up to 20 years. VA has determined that no historic properties would be affected by the proposed undertaking and requests your comment on this determination.

Please send your response to Mr. Sam Perminter of VA, who is copied on this email.

If you have any questions, please contact Sam or me.

Thanks,  
Rob

**Rob Clark**  
**Manager, Environmental Services**  
**TTL Associates, Inc.**

44265 Plymouth Oaks Boulevard | Plymouth, MI 48170 | [tlassoc.com](http://tlassoc.com)  
Direct: (734) 582-4902 | Cell: (810) 623-0830 | Fax: (734) 582-4903





**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Mr. Trevor Bedford  
Volusia County  
Historic Preservation Board  
123 W. Indiana Avenue  
DeLand, FL 32720

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Mr. Bedford,

Pursuant to Section 106 of the National Historic Preservation Act (54 USC 306108), the U.S. Department of Veterans Affairs (VA) Orlando Veterans Health Care System is initiating Section 106 consultation with the Volusia County Historic Preservation Board, as the Volusia County Certified Local Government, for implementation of the referenced project.

### **Undertaking**

VA proposes to lease and operate a new Daytona Beach Outpatient Clinic (OPC) in Volusia County. The proposed OPC would be one or two-story, approximately 122,900 square feet, slab-on-grade building and the site would include approximately 750 parking spaces. The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The specific development plans for the new OPC have not been determined, but it is anticipated that the majority of the selected site would be developed with the OPC building, associated parking, landscaping and other amenities. The OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The proposed OPC would be located on one of four sites located in the City of Daytona Beach. The four prospective OPC sites are as follows:

- **Site 1:** Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 42310000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.

- Site 2: Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000040. Site 2 includes approximately 25 acres of undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.
- Site 3: Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.
- Site 4: Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building. The approximately two-acre temporary parking lot would be removed upon completion of the OPC development.

The locations of the four prospective sites are shown in Attachments 1A – 1F.

### **Area of Potential Effect**

The Area of Potential Effect (APE) for this undertaking encompasses the proposed site to address direct effects plus a buffer of 150 feet to address viewshed concerns related to the height of new construction. The APE for archaeological resources is limited to the areas proposed for ground disturbance. The APE for Site 4 includes the two-acre temporary parking lot area west of the site.

### **Identification of Historic Properties**

Cultural resources specialists who meet the *Professional Qualification Standards* for Archaeology and/or Architectural History established by the Secretary of Interior conducted cultural resource studies in compliance with the Florida Cultural Resource Assessment Survey (CRAS) guidelines for the prospective sites and the immediate surrounding areas to identify properties that are more than 50 years of age and that retain sufficient integrity to warrant listing in the National Register of Historic Places (NRHP). Identification efforts included a review of the Florida Master Site File, NRHP data, and historic maps and aerial photographs. In addition, archaeological pedestrian inspections and shovel testing was conducted at each site.

#### Site 1:

Based on the CRAS research, VA has determined that there are no historic buildings located

within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

Site 2:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE. The Florida Master Site File lists one recorded cultural resource within the designated APE; Old Railroad Grade (VO10231), located in the southern portion of Site 2, was determined ineligible for the NRHP in September 2019.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

Site 3:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

Site 4:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

**Determination of Effects to Historic Properties**

Therefore, based on our cultural resources research, VA has determined, pursuant to 36 CFR 800.4(d)(1), that no historic properties will be affected by the proposed undertaking and requests your comment on the agency's finding per 36 CFR Part 800 by June 29, 2020.

Thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,

*Samuel Perminter Jr*

Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

Attachment 1A through 1F: Site Location Maps

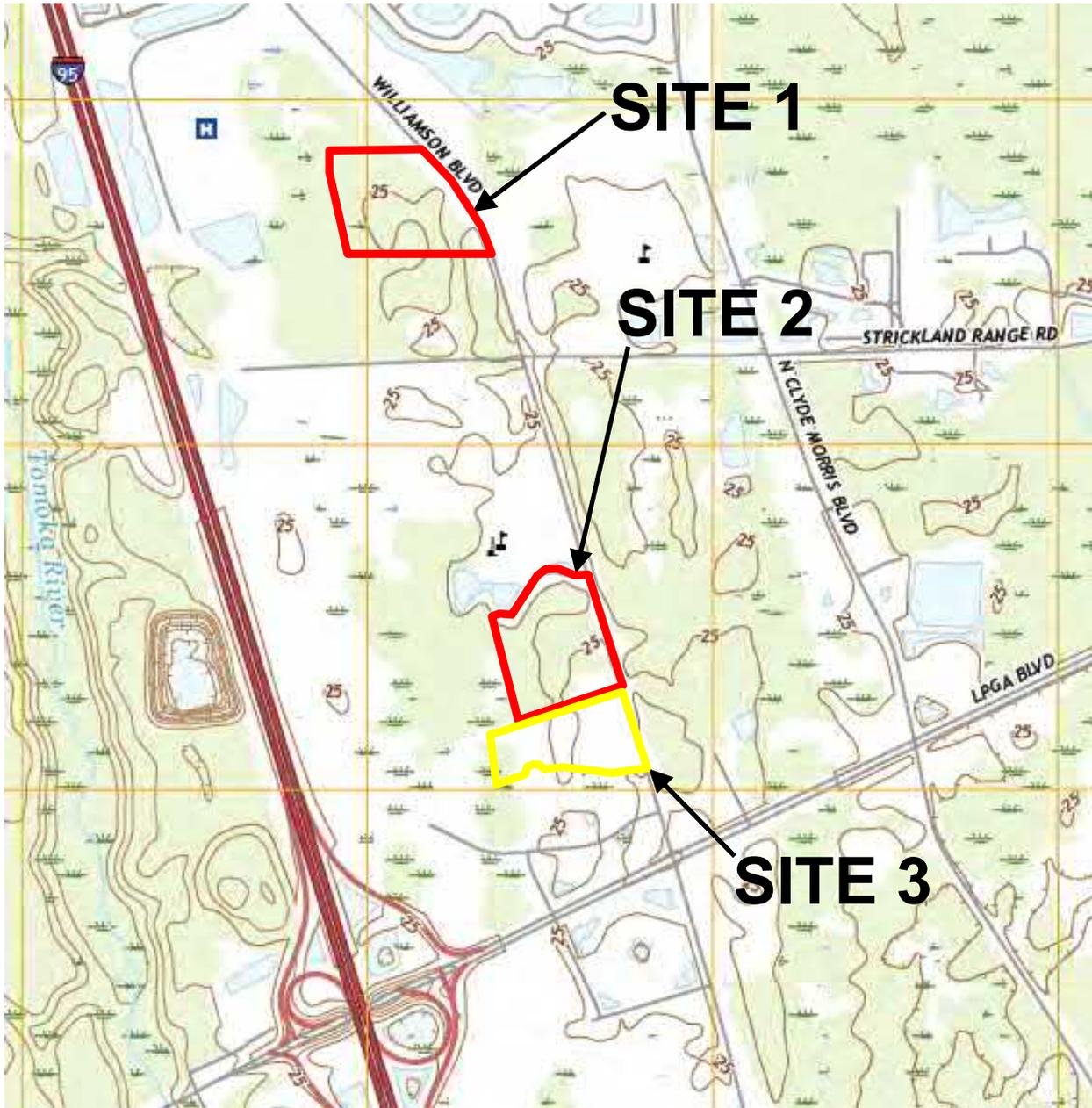
**ATTACHMENT 1A**

**SITES LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



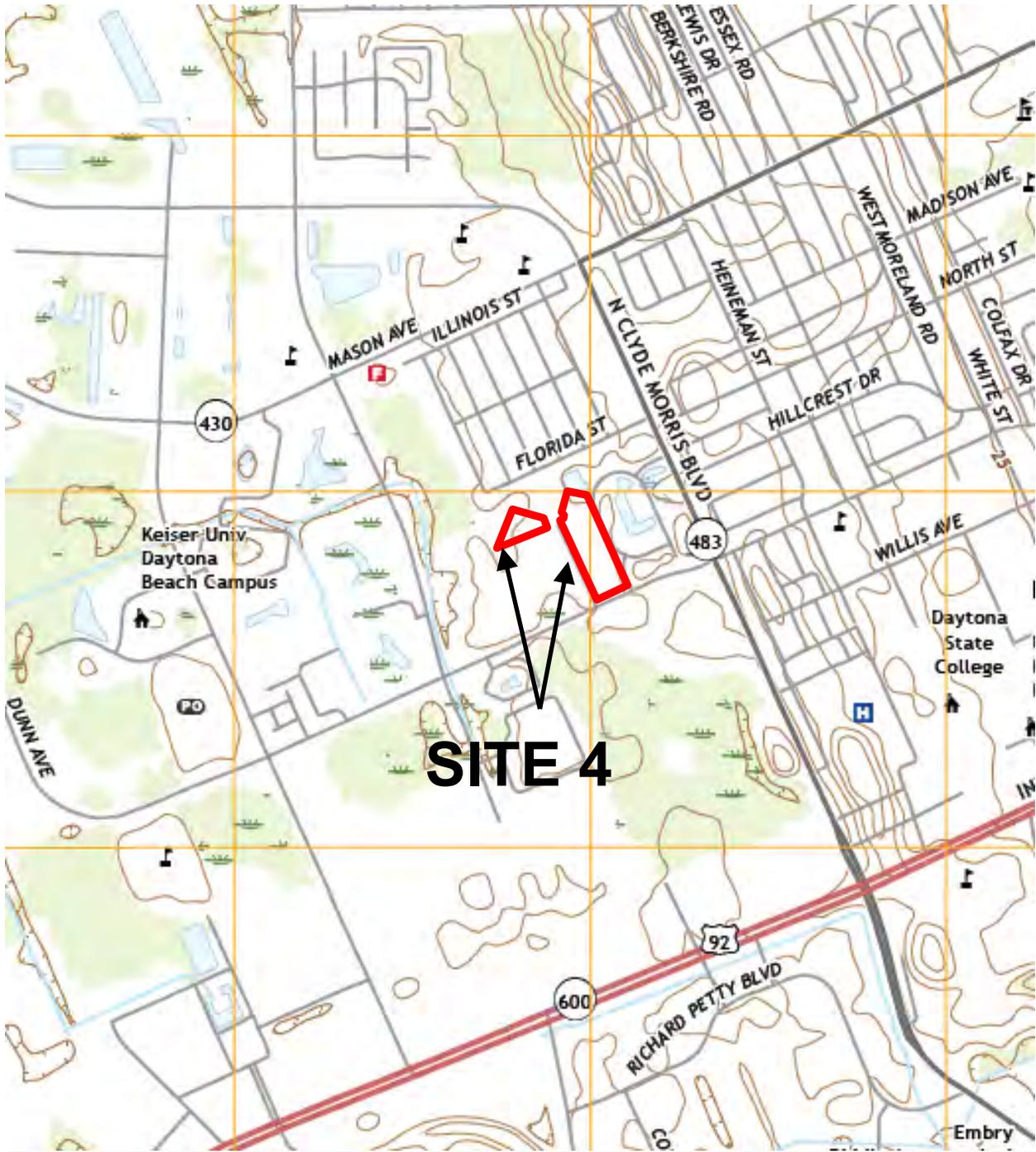
**ATTACHMENT 1B**

**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1C**

**SITE 4 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1D**

**SITE 1 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1E**

**SITES 2 AND 3 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



## APPENDIX B

### Native American Tribe Correspondence



**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Ms. Linda Langley, THPO  
Coushatta Tribe of Louisiana  
PO Box 10  
Elton, LA 70532

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Ms. Langley,

Pursuant to Section 106 of the National Historic Preservation Act (54 USC 306108), the U.S. Department of Veterans Affairs (VA) Orlando Veterans Health Care System is initiating Section 106 consultation with the Coushatta Tribe of Louisiana (Tribe) for implementation of the referenced project.

**Undertaking**

VA proposes to lease and operate a new Daytona Beach Outpatient Clinic (OPC) in Volusia County. The proposed OPC would be one or two-story, approximately 122,900 square feet, slab-on-grade building and the site would include approximately 750 parking spaces. The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The specific development plans for the new OPC have not been determined, but it is anticipated that the majority of the selected site would be developed with the OPC building, associated parking, landscaping and other amenities. The OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The proposed OPC would be located on one of four sites located in the City of Daytona Beach. The four prospective OPC sites are as follows:

- **Site 1:** Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 423100000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.
- **Site 2:** Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000040. Site 2 includes approximately 25 acres of

undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.

- **Site 3:** Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 52040000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.
- **Site 4:** Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building. The approximately two-acre temporary parking lot would be removed upon completion of the OPC development.

The locations of the four prospective sites are shown in Attachments 1A – 1F.

### **Area of Potential Effect**

The Area of Potential Effect (APE) for this undertaking encompasses the proposed site to address direct effects plus a buffer of 150 feet to address viewshed concerns related to the height of new construction. The APE for archaeological resources is limited to the areas proposed for ground disturbance. The APE for Site 4 includes the two-acre temporary parking lot area west of the site.

### **Identification of Historic Properties**

Cultural resources specialists who meet the *Professional Qualification Standards* for Archaeology and/or Architectural History established by the Secretary of Interior conducted cultural resource studies in compliance with the Florida Cultural Resource Assessment Survey (CRAS) guidelines for the prospective sites and the immediate surrounding areas to identify properties that are more than 50 years of age and that retain sufficient integrity to warrant listing in the National Register of Historic Places (NRHP). Identification efforts included a review of the Florida Master Site File, NRHP data, and historic maps and aerial photographs. In addition, archaeological pedestrian inspections and shovel testing was conducted at each site. The CRAS reports, prepared by Smyrnea Archaeological Research Institute, Inc. (Site 1), Dynamic Environmental Associates, Inc. (Site 2), Environmental Services, Inc. (Site 3), and SouthArc, Inc. (Site 4), are attached.

#### Site 1:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

#### Site 2:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE. The Florida Master Site File lists one recorded cultural resource within the designated APE; Old Railroad Grade (VO10231), located in the southern portion of Site 2, was determined ineligible for the NRHP in September 2019.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

#### Site 3:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

#### Site 4:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

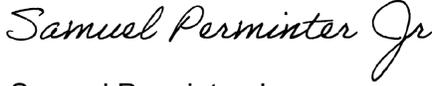
### **Determination of Effects to Historic Properties**

Therefore, based on our cultural resources research, VA has determined, pursuant to 36 CFR 800.4(d)(1), that no historic properties will be affected by the proposed undertaking and requests the Tribe's concurrence on the agency's finding per 36 CFR Part 800 by June 29, 2020.

If you or members of your Tribe are aware of cultural properties that may be affected by the development of the proposed OPC at any of the four prospective sites, please provide this information to VA for review or you can contact me at the number/email below to coordinate further discussions. VA will follow all appropriate federal confidentiality requirements.

Thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,



Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

Attachment 1A through 1F: Site Location Maps

Phase I Cultural Resource Assessment Survey prepared by Smyrnea Archaeological Research Institute, Inc. (Site 1)

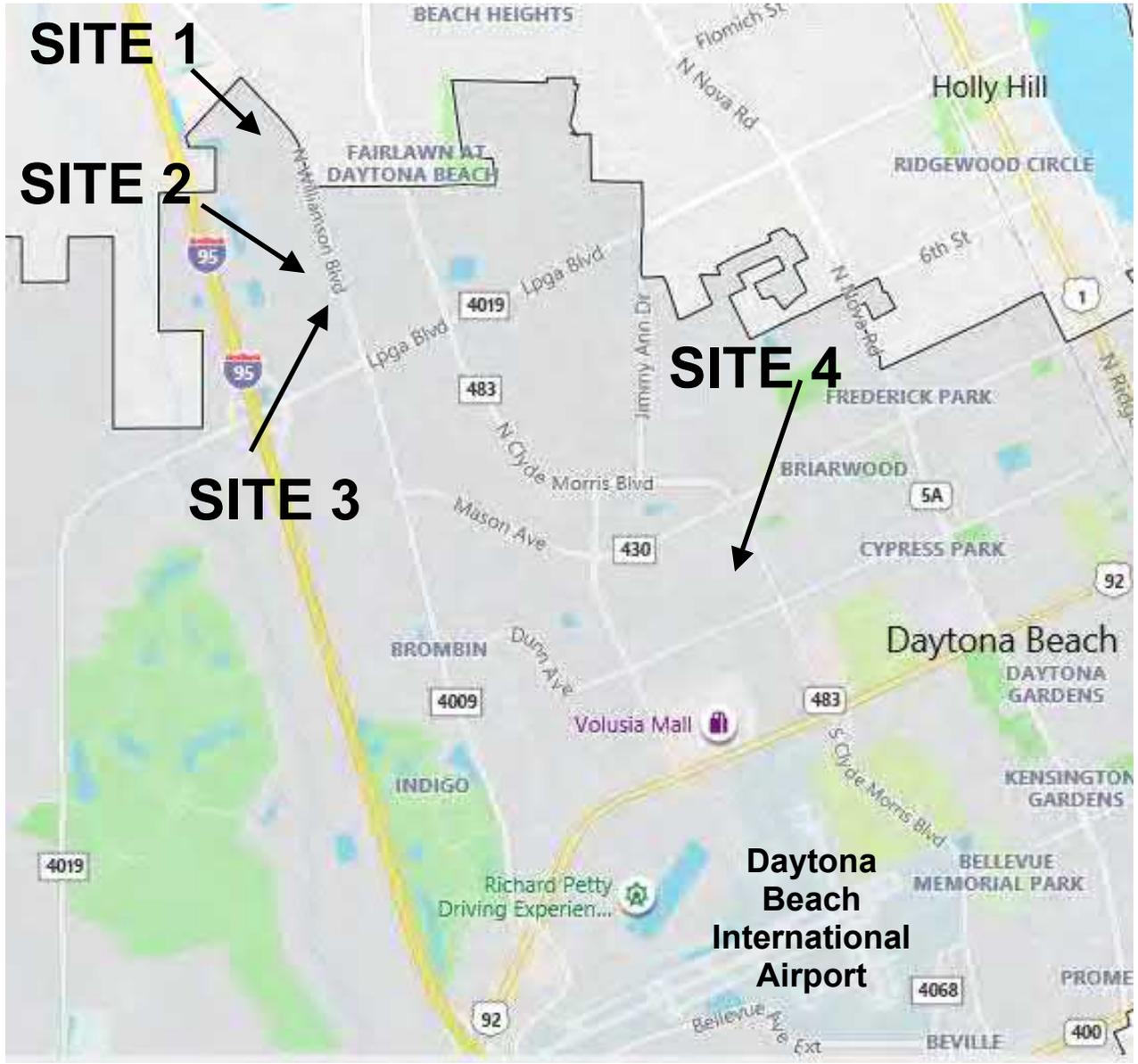
Cultural Resource Assessment Survey prepared by Dynamic Environmental Associates, Inc. (Site 2)

Cultural Resource Assessment Survey prepared by Environmental Services, Inc. (Site 3)

Cultural Resource Assessment Survey and Addendum prepared by SouthArc, Inc. (Site 4)

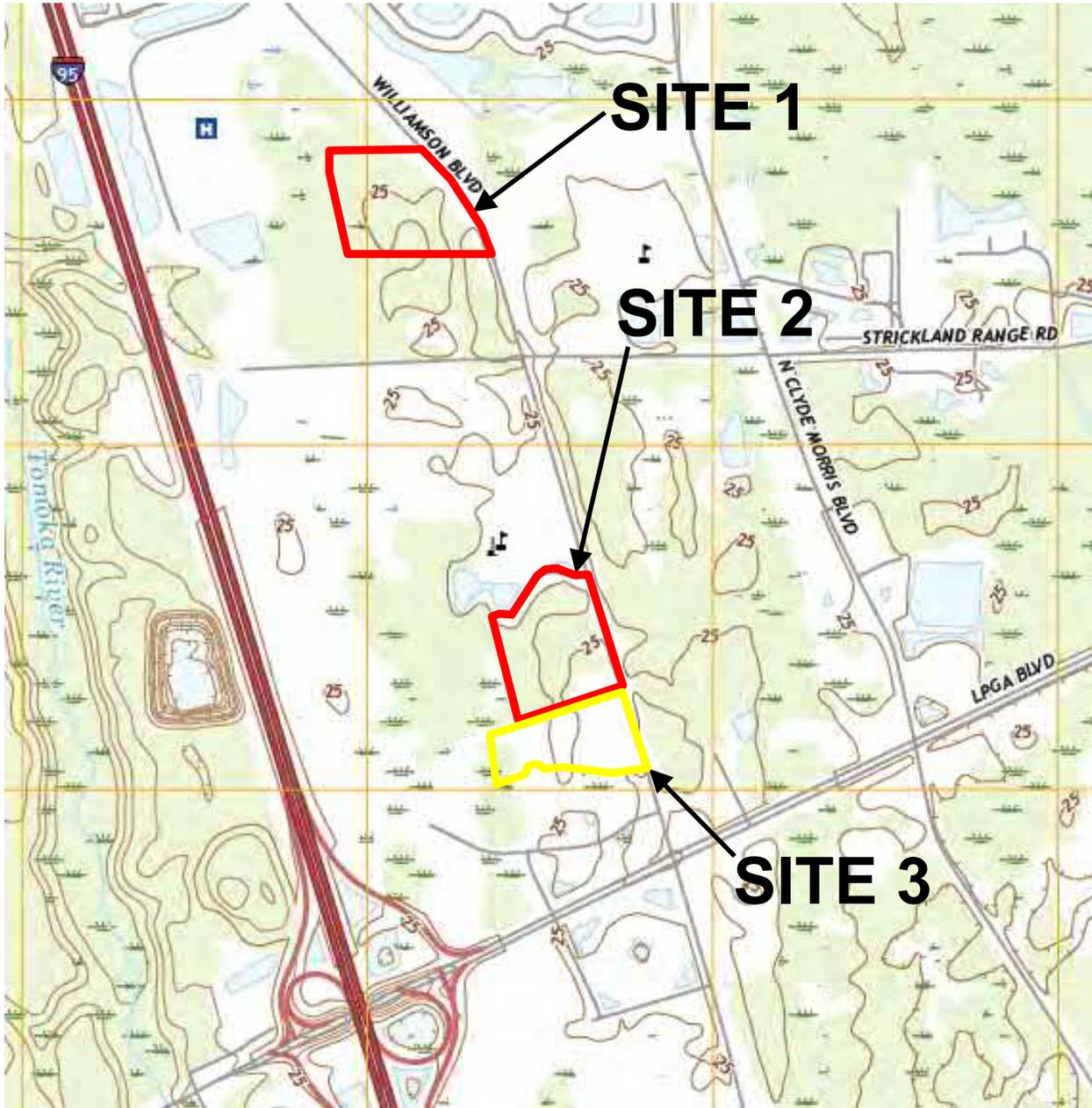
**ATTACHMENT 1A**

**SITES LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



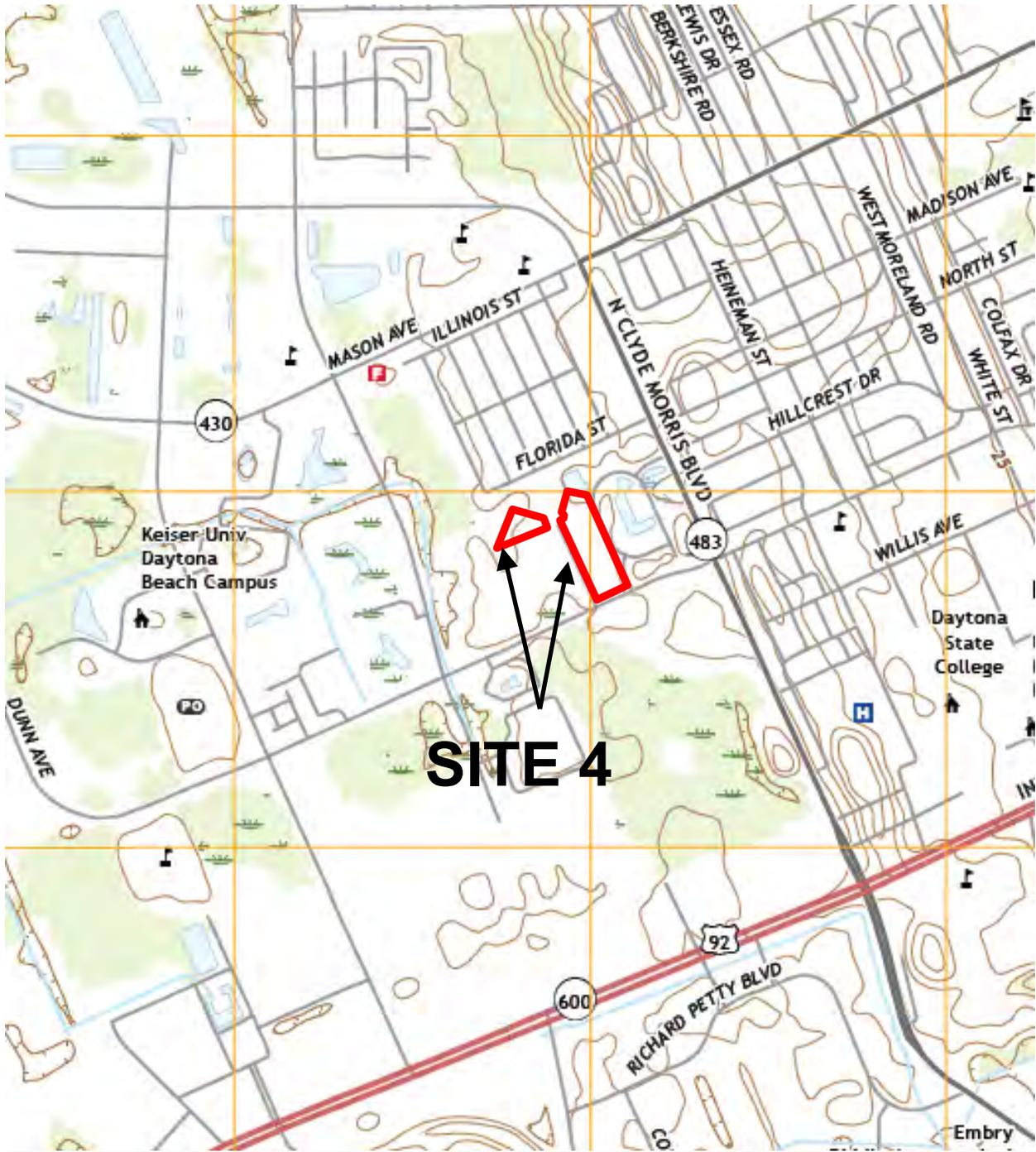
**ATTACHMENT 1B**

**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
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**ATTACHMENT 1C**

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**ATTACHMENT 1D**

**SITE 1 AERIAL MAP (2018)  
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**ATTACHMENT 1E**

**SITES 2 AND 3 AERIAL MAP (2018)  
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**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**





**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Mr. Fred Dayhoff, Historical Preservation Officer  
Miccosukee Tribe of Indians  
HC61SR68 Old Loop Road  
Ochopee, FL 34141

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Mr. Dayhoff,

Pursuant to Section 106 of the National Historic Preservation Act (54 USC 306108), the U.S. Department of Veterans Affairs (VA) Orlando Veterans Health Care System is initiating Section 106 consultation with the Miccosukee Tribe of Indians (Tribe) for implementation of the referenced project.

**Undertaking**

VA proposes to lease and operate a new Daytona Beach Outpatient Clinic (OPC) in Volusia County. The proposed OPC would be one or two-story, approximately 122,900 square feet, slab-on-grade building and the site would include approximately 750 parking spaces. The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The specific development plans for the new OPC have not been determined, but it is anticipated that the majority of the selected site would be developed with the OPC building, associated parking, landscaping and other amenities. The OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The proposed OPC would be located on one of four sites located in the City of Daytona Beach. The four prospective OPC sites are as follows:

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- **Site 2:** Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 2 is identified by the Volusia County Property Appraiser as part of Parcel ID 520400000040. Site 2 includes approximately 25 acres of

undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.

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### **Area of Potential Effect**

The Area of Potential Effect (APE) for this undertaking encompasses the proposed site to address direct effects plus a buffer of 150 feet to address viewshed concerns related to the height of new construction. The APE for archaeological resources is limited to the areas proposed for ground disturbance. The APE for Site 4 includes the two-acre temporary parking lot area west of the site.

### **Identification of Historic Properties**

Cultural resources specialists who meet the *Professional Qualification Standards* for Archaeology and/or Architectural History established by the Secretary of Interior conducted cultural resource studies in compliance with the Florida Cultural Resource Assessment Survey (CRAS) guidelines for the prospective sites and the immediate surrounding areas to identify properties that are more than 50 years of age and that retain sufficient integrity to warrant listing in the National Register of Historic Places (NRHP). Identification efforts included a review of the Florida Master Site File, NRHP data, and historic maps and aerial photographs. In addition, archaeological pedestrian inspections and shovel testing was conducted at each site. The CRAS reports, prepared by Smyrnea Archaeological Research Institute, Inc. (Site 1), Dynamic Environmental Associates, Inc. (Site 2), Environmental Services, Inc. (Site 3), and SouthArc, Inc. (Site 4), are attached.

### Site 1:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### Site 2:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE. The Florida Master Site File lists one recorded cultural resource within the designated APE; Old Railroad Grade (VO10231), located in the southern portion of Site 2, was determined ineligible for the NRHP in September 2019.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### Site 3:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### Site 4:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### **Determination of Effects to Historic Properties**

Therefore, based on our cultural resources research, VA has determined, pursuant to 36 CFR 800.4(d)(1), that no historic properties will be affected by the proposed undertaking and requests the Tribe's concurrence on the agency's finding per 36 CFR Part 800 by June 29, 2020.

If you or members of your Tribe are aware of cultural properties that may be affected by the development of the proposed OPC at any of the four prospective sites, please provide this information to VA for review or you can contact me at the number/email below to coordinate further discussions. VA will follow all appropriate federal confidentiality requirements.

Thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,

A handwritten signature in black ink that reads "Samuel Perminter Jr." in a cursive script.

Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

Attachment 1A through 1F: Site Location Maps

Phase I Cultural Resource Assessment Survey prepared by Smyrnea Archaeological Research Institute, Inc. (Site 1)

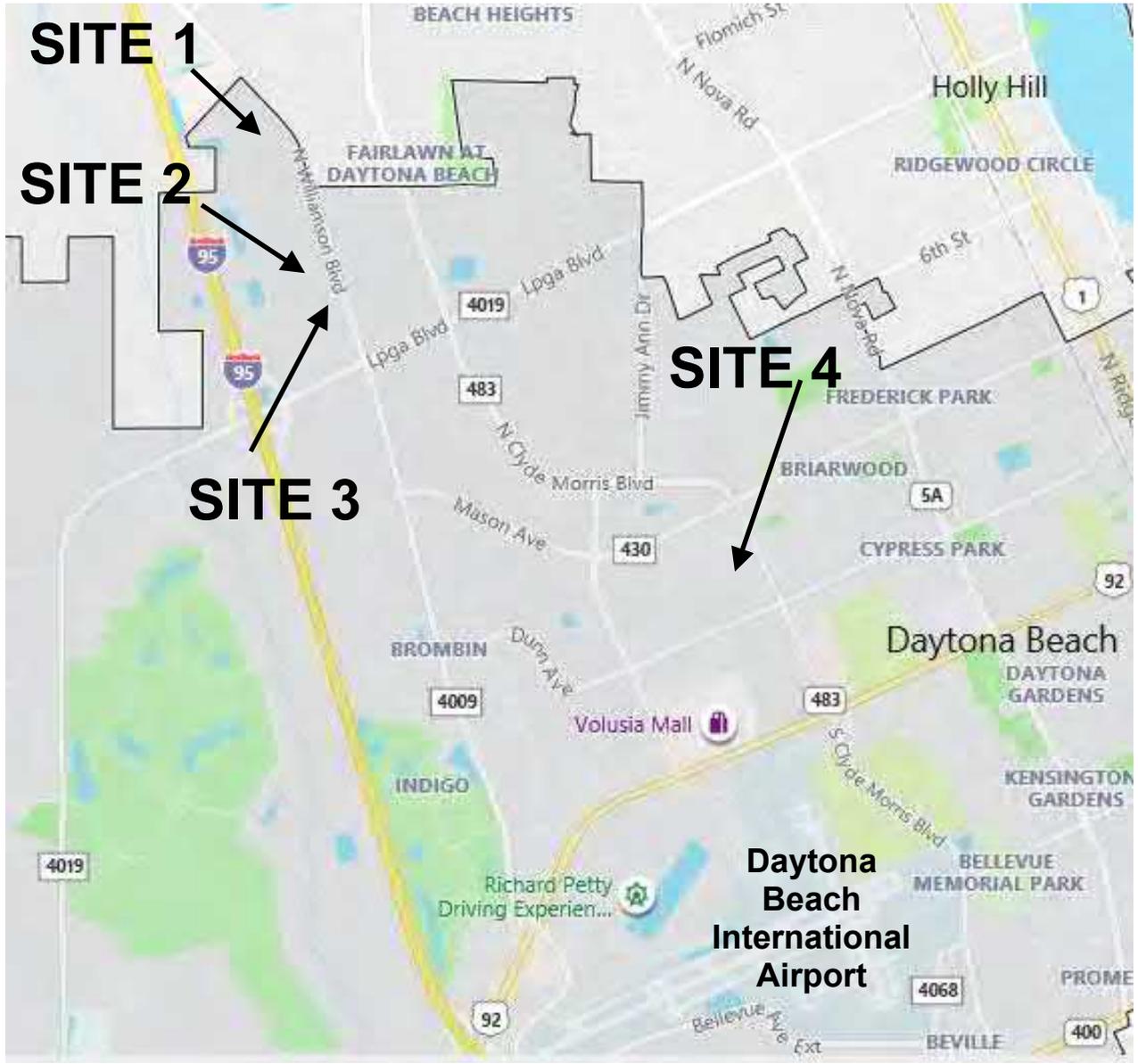
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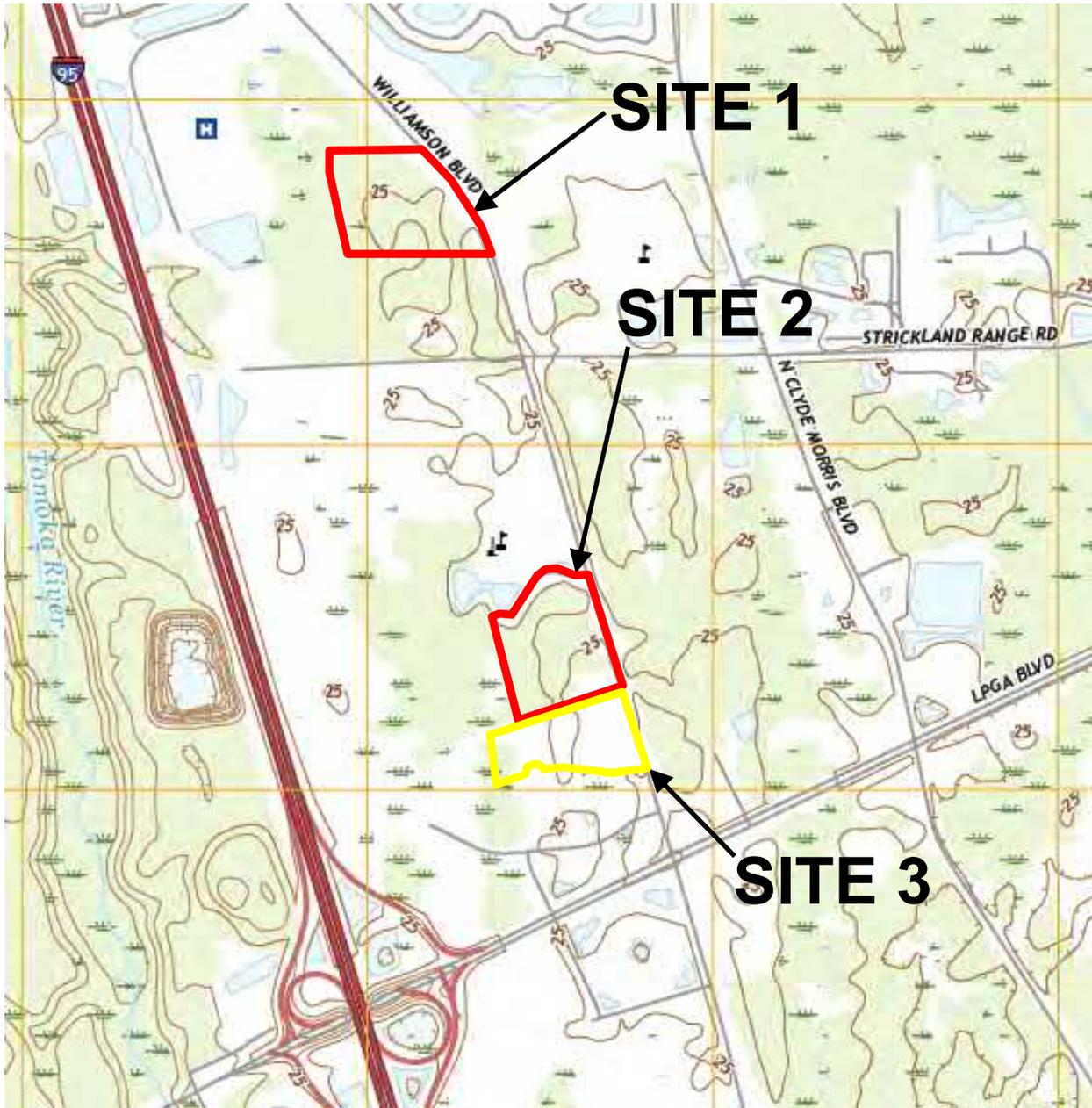
**ATTACHMENT 1A**

**SITES LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



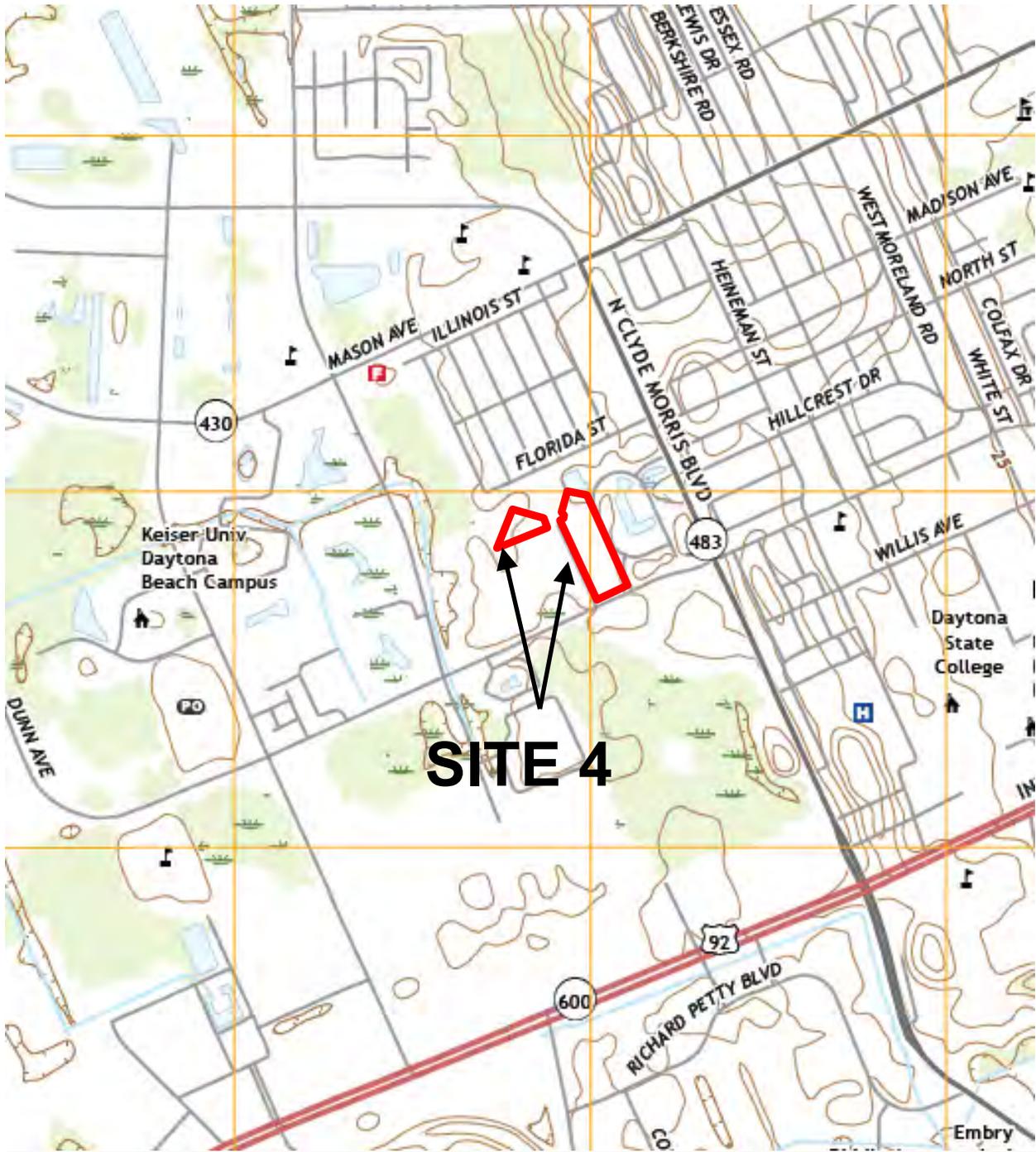
**ATTACHMENT 1B**

**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1C**

**SITE 4 TOPOGRAPHIC LOCATION MAP  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**ATTACHMENT 1D**

**SITE 1 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
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**SITES 2 AND 3 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
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**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**





**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Ms. RaeLynn Butler, THPO  
Muscogee (Creek) Nation  
PO Box 580  
Okmulgee, OK 74447

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Ms. Butler,

Pursuant to Section 106 of the National Historic Preservation Act (54 USC 306108), the U.S. Department of Veterans Affairs (VA) Orlando Veterans Health Care System is initiating Section 106 consultation with the Muscogee (Creek) Nation (Tribe) for implementation of the referenced project.

**Undertaking**

VA proposes to lease and operate a new Daytona Beach Outpatient Clinic (OPC) in Volusia County. The proposed OPC would be one or two-story, approximately 122,900 square feet, slab-on-grade building and the site would include approximately 750 parking spaces. The proposed OPC would consolidate, enhance and expand Veteran primary care, mental health, and specialty care services currently provided at the undersized and overcrowded William V. Chappell, Jr. VA OPC (551 National Health Care Drive) and Westside Pavilion VA Clinic (1821 Business Park Boulevard). The specific development plans for the new OPC have not been determined, but it is anticipated that the majority of the selected site would be developed with the OPC building, associated parking, landscaping and other amenities. The OPC would be constructed by a developer on a build-to-suit basis and leased to VA for up to 20 years.

The proposed OPC would be located on one of four sites located in the City of Daytona Beach. The four prospective OPC sites are as follows:

- Site 1: Site 1 is located on the west side of North Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road. Site 1 is identified by the Volusia County Property Appraiser as part of Parcel ID 423100000071. Site 1 includes approximately 21 acres of undeveloped woodlands. Site 1 has been undeveloped woodlands since at least 1951. The proposed OPC development at Site 1 would include a new one-story building and surface parking.
- Site 2: Site 2 is located on the west side of North Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 2 is identified by the Volusia County Property

Appraiser as part of Parcel ID 52040000040. Site 2 includes approximately 25 acres of undeveloped woodlands. Site 2 has been undeveloped woodlands with a former (removed) railroad spur in the southern portion since at least 1943. The proposed OPC development at Site 2 would include a new one-story building and surface parking.

- Site 3: Site 3 is located on the west side of North Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard. Site 3 is identified by the Volusia County Property Appraiser as part of Parcel ID 52040000010. Site 3 includes approximately 14 acres of predominantly unimproved pasture land with an undeveloped wooded area in the western portion and a former railroad spur in the northwestern portion. Site 3 has been undeveloped woodlands and agricultural land with a former (removed) railroad spur in the northwestern portion since at least 1943. The proposed OPC development at Site 3 would include a new two-story building and surface parking.
- Site 4: Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue. Site 4 is identified by the Volusia County Property Appraiser as Parcel ID 53380E000010. Site 4 includes approximately 8.1 acres of land occupied by the existing William V. Chappell, Jr. VA OPC and associated surface-level parking. Site 4 was undeveloped, partially wooded land from at least 1943 to the early 1990s, was cleared for surrounding development in the early 1990s, and has been developed with the current William V. Chappell, Jr. VA OPC since 2001. The proposed OPC development at Site 4 would include a temporary parking lot in a current grassy area west of the site, a new six-story parking garage north of the existing one-story OPC building, a new two-story addition to the south of the existing OPC building, and renovation of the existing OPC building. The approximately two-acre temporary parking lot would be removed upon completion of the OPC development.

The locations of the four prospective sites are shown in Attachments 1A – 1F.

### **Area of Potential Effect**

The Area of Potential Effect (APE) for this undertaking encompasses the proposed site to address direct effects plus a buffer of 150 feet to address viewshed concerns related to the height of new construction. The APE for archaeological resources is limited to the areas proposed for ground disturbance. The APE for Site 4 includes the two-acre temporary parking lot area west of the site.

### **Identification of Historic Properties**

Cultural resources specialists who meet the *Professional Qualification Standards* for Archaeology and/or Architectural History established by the Secretary of Interior conducted cultural resource studies in compliance with the Florida Cultural Resource Assessment Survey (CRAS) guidelines for the prospective sites and the immediate surrounding areas to identify properties that are more than 50 years of age and that retain sufficient integrity to warrant listing in the National Register of Historic Places (NRHP). Identification efforts included a review of the Florida Master Site File, NRHP data, and historic maps and aerial photographs. In addition, archaeological pedestrian inspections and shovel testing was conducted at each site. The CRAS reports, prepared by Smyrna Archaeological Research Institute, Inc. (Site 1), Dynamic Environmental Associates, Inc. (Site 2), Environmental Services, Inc. (Site 3), and SouthArc, Inc. (Site 4), are attached.

### Site 1:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### Site 2:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE. The Florida Master Site File lists one recorded cultural resource within the designated APE; Old Railroad Grade (VO10231), located in the southern portion of Site 2, was determined ineligible for the NRHP in September 2019.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### Site 3:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### Site 4:

Based on the CRAS research, VA has determined that there are no historic buildings located within the APE.

The Florida Master Site File has no recorded archaeological sites within the designated APE. In addition, no archaeological sites were identified at the site during the pedestrian survey and shovel testing as conducted per the CRAS requirements.

### **Determination of Effects to Historic Properties**

Therefore, based on our cultural resources research, VA has determined, pursuant to 36 CFR 800.4(d)(1), that no historic properties will be affected by the proposed undertaking and requests the Tribe's concurrence on the agency's finding per 36 CFR Part 800 by June 29, 2020.

If you or members of your Tribe are aware of cultural properties that may be affected by the development of the proposed OPC at any of the four prospective sites, please provide this information to VA for review or you can contact me at the number/email below to coordinate further discussions. VA will follow all appropriate federal confidentiality requirements.

Thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,



Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

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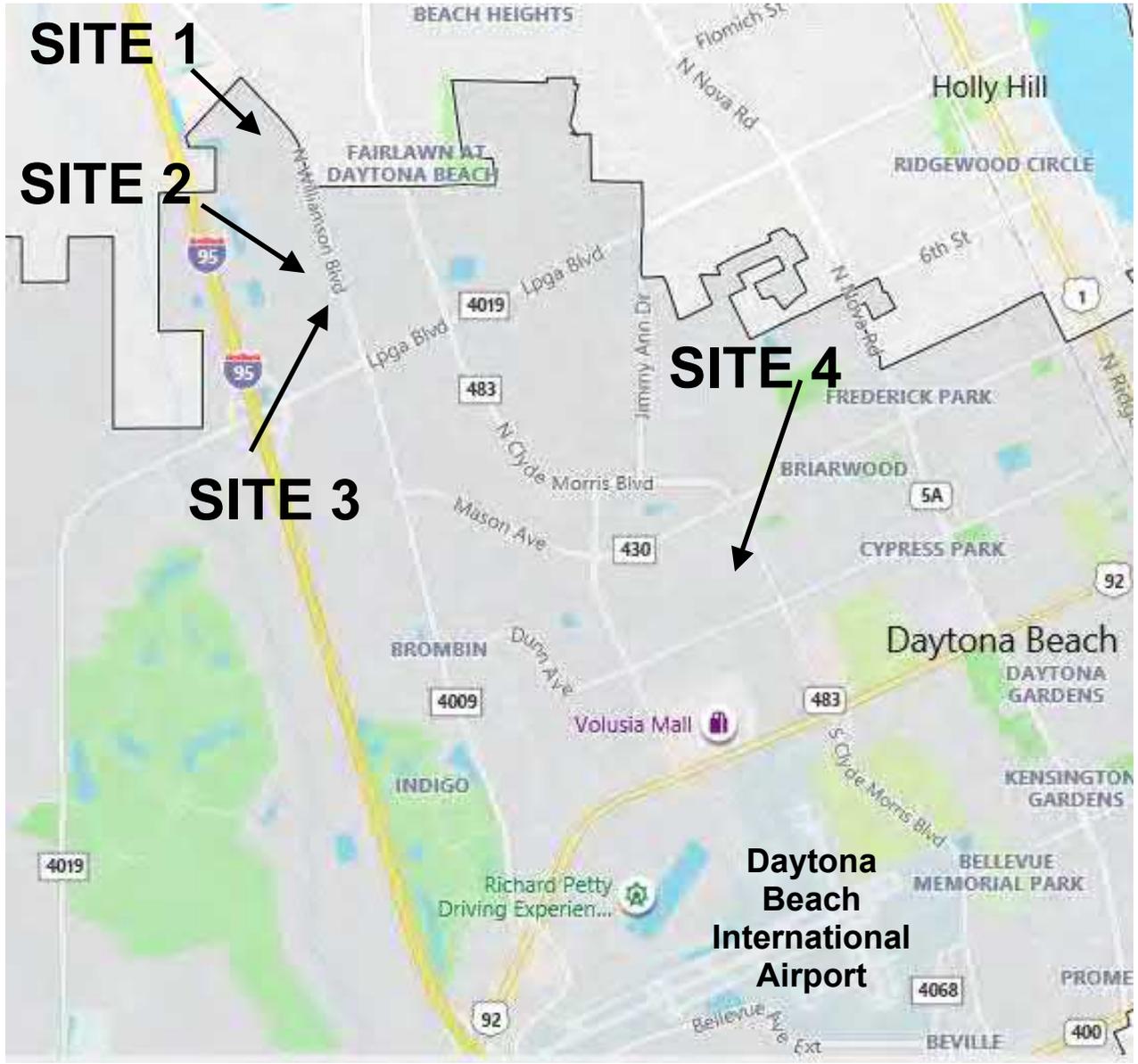
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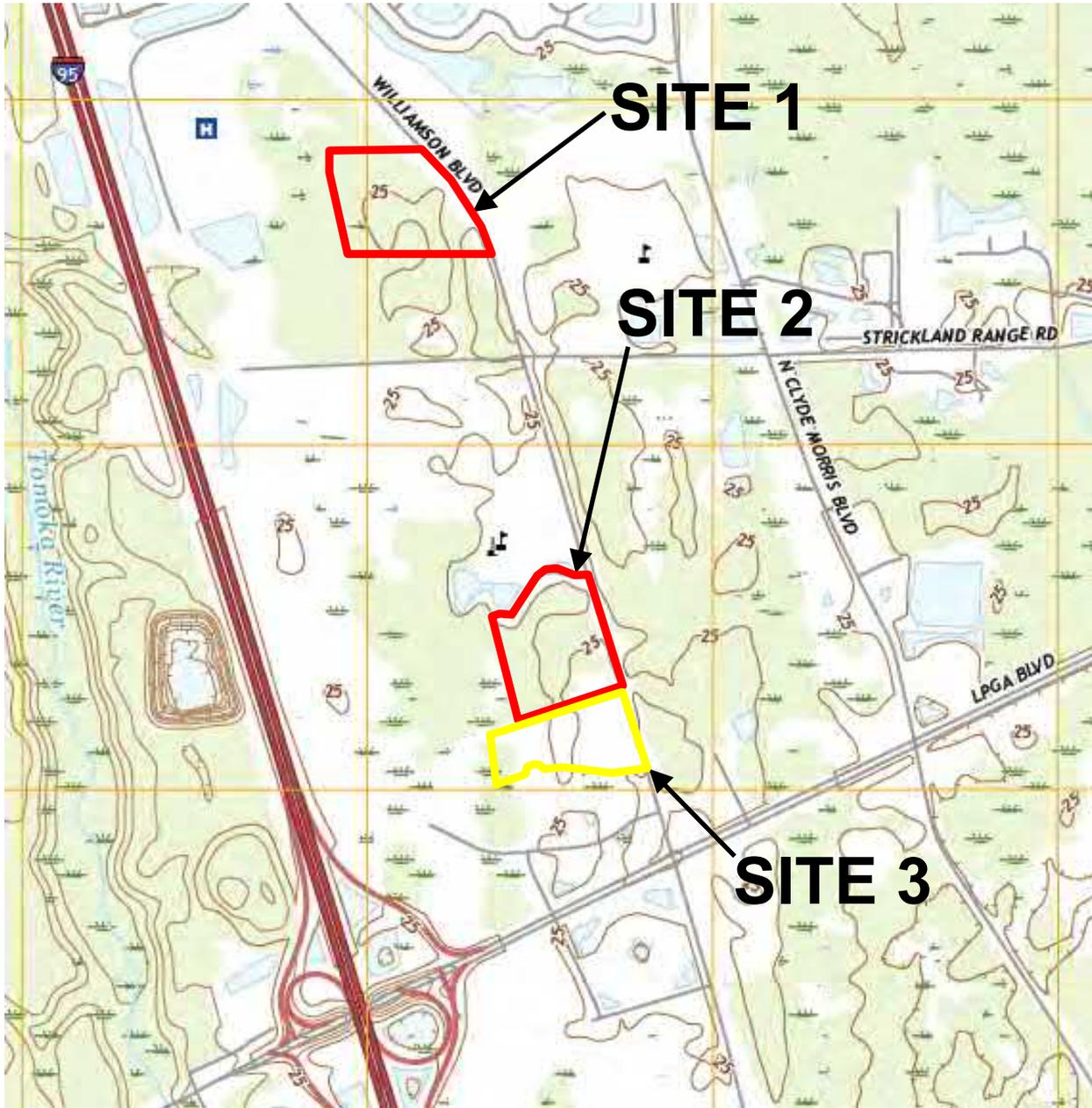
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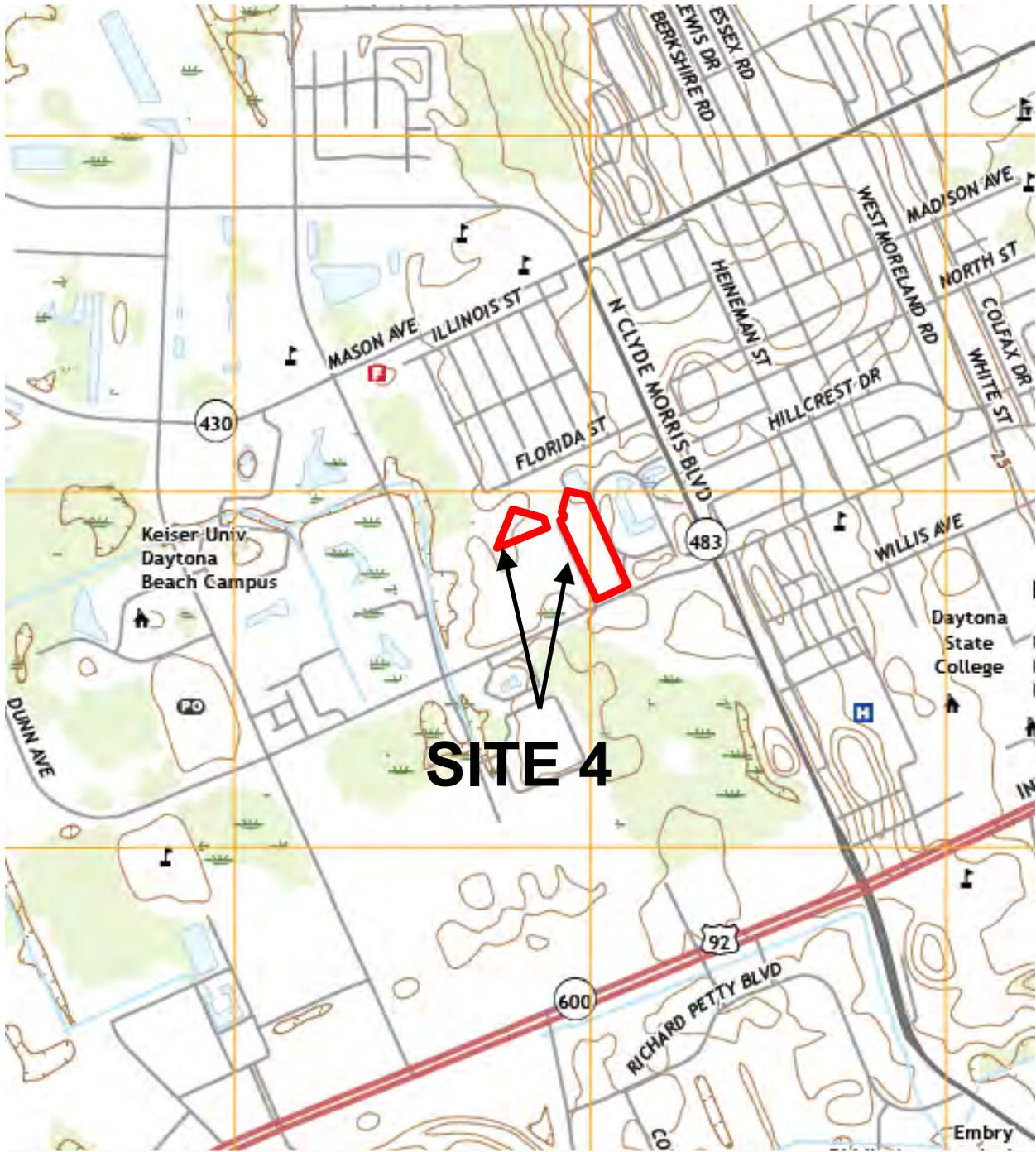
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**DEPARTMENT OF VETERANS AFFAIRS**  
**Office of Construction & Facilities Management**  
**Washington DC 20420**

May 27, 2020

Mr. Paul Backhouse, Ph.D., THPO  
Seminole Tribe of Florida  
30290 Josie Billie Highway, PMB 1004  
Clewiston, FL 33440

**SUBJECT:** Initiation of Section 106 Consultation for the  
Construction, Lease and Operation of the  
Proposed VA Daytona Beach Outpatient Clinic (OPC)  
Daytona Beach, Volusia County, Florida

Dear Mr. Backhouse,

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### **Determination of Effects to Historic Properties**

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Thank you for your commitment to historic resources and ongoing support of Veterans. If you have any questions about this project, please contact me by telephone at (202) 632-5440, or by email at [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov).

Sincerely,

*Samuel Perminter Jr*

Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veterans Affairs  
CFM, Office of Real Property  
425 I Street, NW  
Washington, DC 20001

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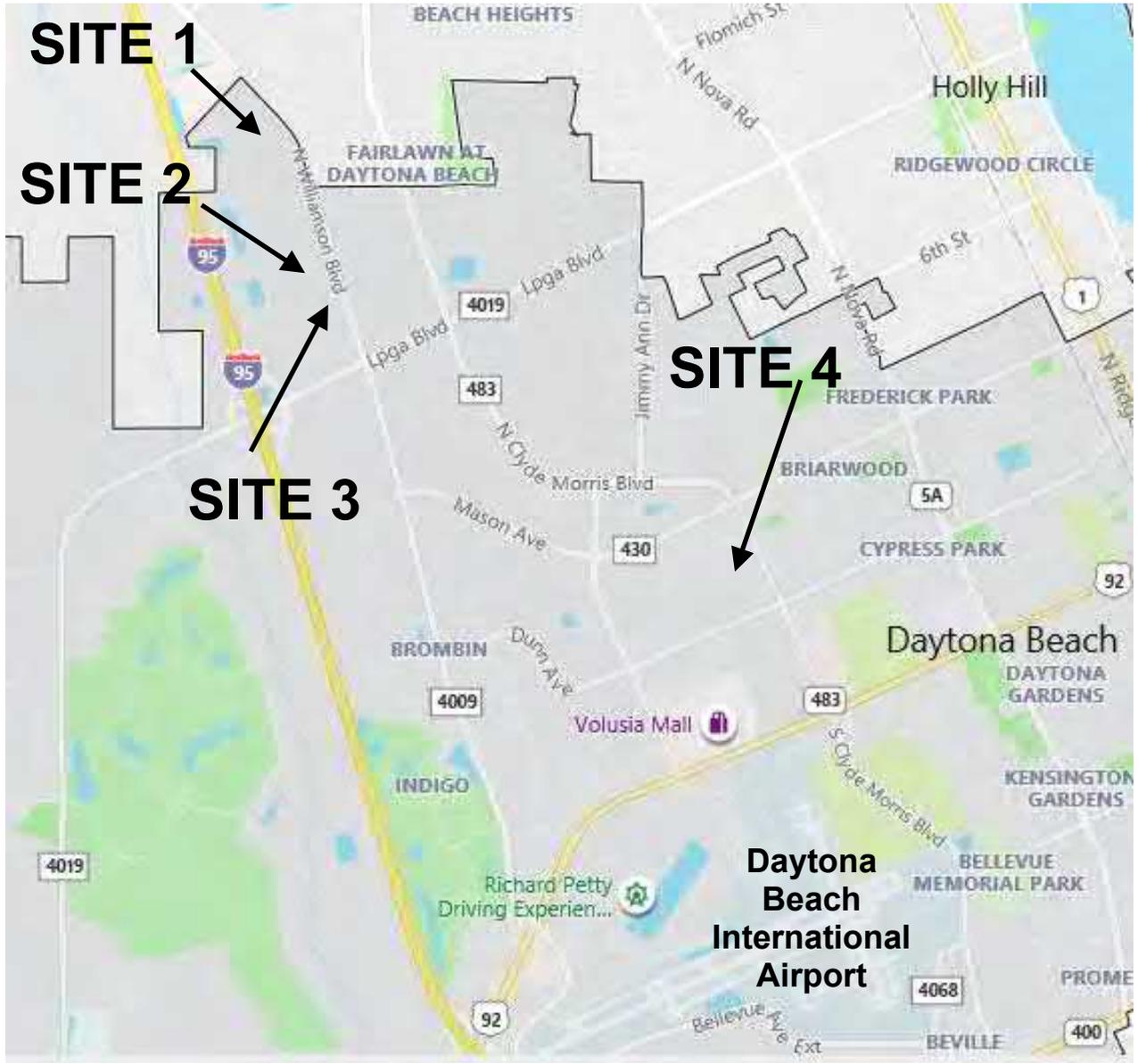
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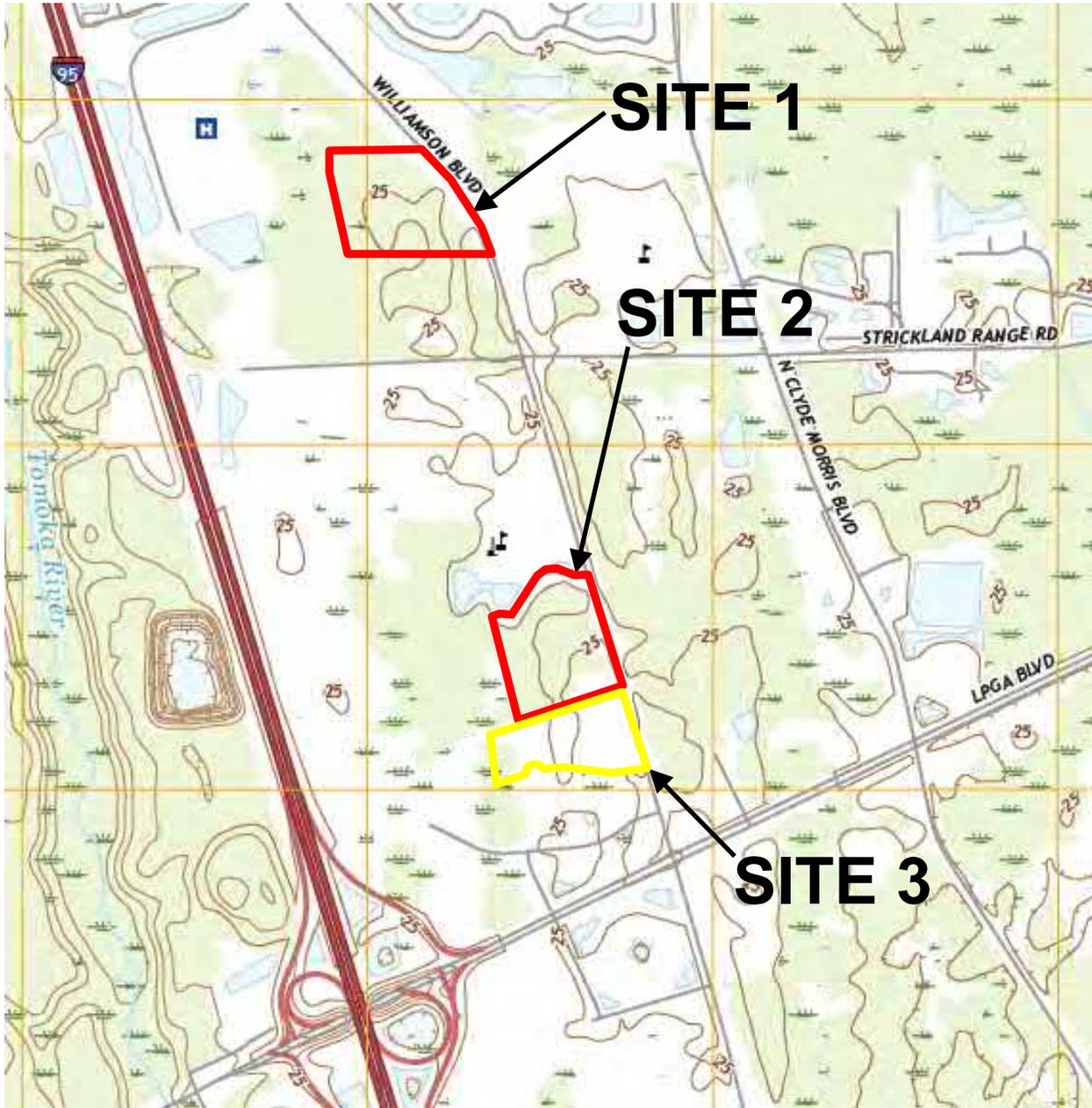
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**SITES LOCATION MAP  
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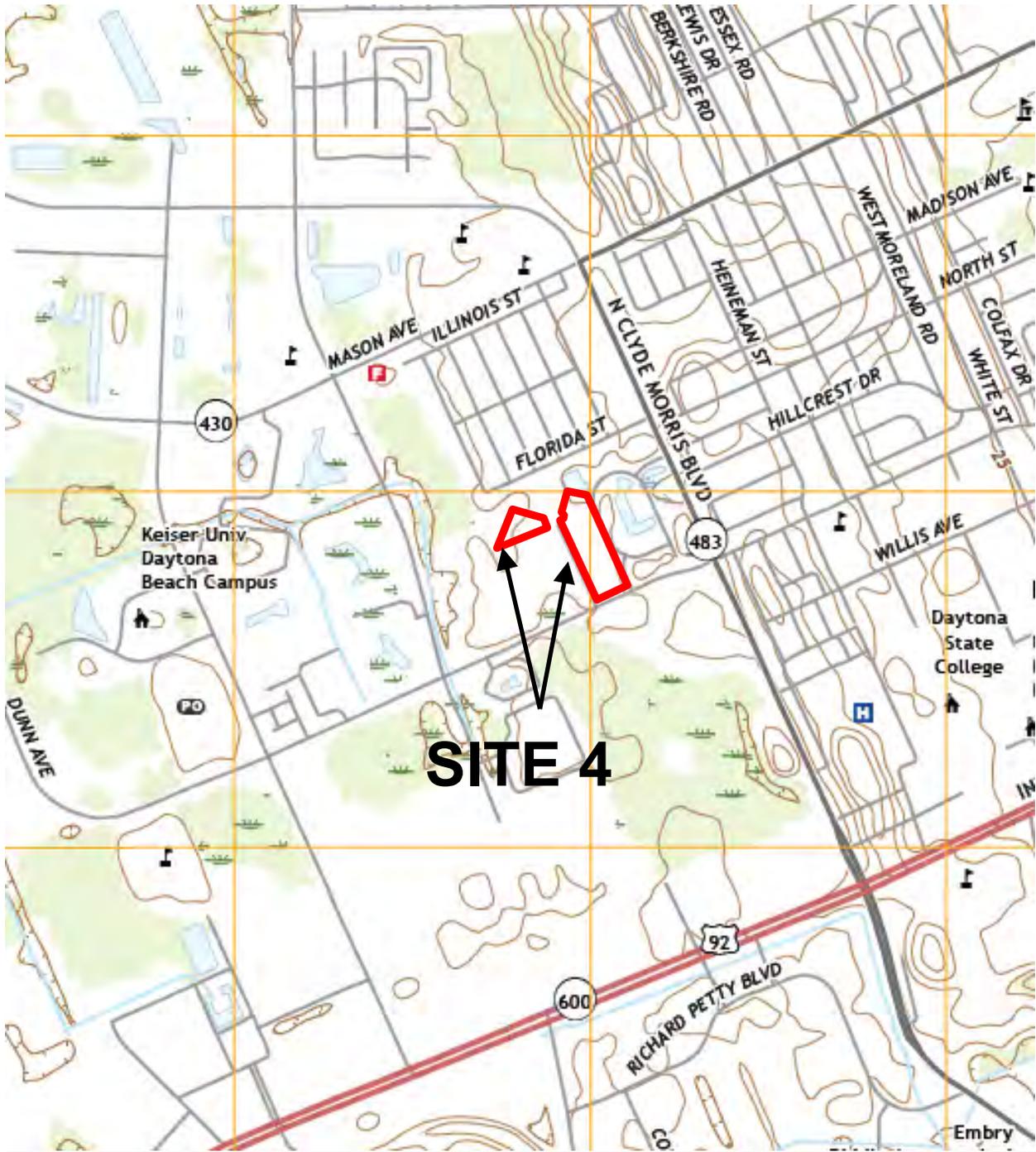
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**SITES 1 THROUGH 3 TOPOGRAPHIC LOCATION MAP  
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**ATTACHMENT 1D**

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**SITES 2 AND 3 AERIAL MAP (2018)  
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**ATTACHMENT 1F**

**SITE 4 AERIAL MAP (2018)  
PROPOSED DAYTONA BEACH OUTPATIENT CLINIC  
DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA**



**From:** Bradley Mueller <bradleymueller@semtribe.com>  
**Sent:** Wednesday, June 24, 2020 1:26 PM  
**To:** Perminter, Jr., Samuel (CFM) <samuel.perminter@va.gov>  
**Subject:** [EXTERNAL] VA - Daytona Beach Outpatient Clinic Project, Volusia County, Florida

SEMINOLE TRIBE OF FLORIDA  
TRIBAL HISTORIC PRESERVATION OFFICE

<p>TRIBAL HISTORIC PRESERVATION OFFICE SEMINOLE TRIBE OF FLORIDA 30290 JOEIE BILLIE HIGHWAY PMB 1004 CLEWISTON, FL 33440 THPO PHONE: (863) 983-8549 FAX: (863) 902-1117 THPO WEBSITE: WWW.STOFTHPO.COM</p>		<p>TRIBAL OFFICERS MARCELLUS W. OSCEOLA JR. CHAIRMAN MITCHELL CYPRESS VICE CHAIRMAN LAVONNE ROSE SECRETARY PETER A. HAHN TREASURER</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

June 24, 2020

Mr. Samuel Perminter Jr.  
Sr. Realty Specialist  
U.S. Department of Veteran Affairs  
CFM, Office of Real Property  
425 I Street NW  
Washington DC, 20001  
Phone: 202-632-5440  
Email: [samuel.perminter@va.gov](mailto:samuel.perminter@va.gov)

**Subject:** Daytona Beach Outpatient Clinic Project, Volusia County, Florida  
**THPO Compliance Tracking Number:** 0032481

Dear Mr. Perminter,

Thank you for contacting the Seminole Tribe of Florida – Tribal Historic Preservation Office (STOF-THPO) Compliance Section regarding the *Daytona Beach Outpatient Clinic Project, Volusia County, Florida*. The proposed undertaking does fall within the STOF Area of Interest. We have reviewed the documents you provided and have no comments or objections. Please notify us if any archaeological, historical, or burial resources are inadvertently discovered during project implementation and feel free to contact us with any questions or concerns.

Respectfully,

*Bradley M. Mueller*

Bradley M. Mueller, MA, Compliance Specialist  
STOF-THPO, Compliance Review Section  
30290 Josie Billie Hwy, PMB 1004  
Clewiston, FL 33440

Office: 863-983-6549 ext 12245

Fax: 863-902-1117

Email: [bradleymueller@semtibe.com](mailto:bradleymueller@semtibe.com)

Web: [www.stofthpo.com](http://www.stofthpo.com)



DOWNLOAD THE DIGITAL BOOK – EGMONT KEY: A SEMINOLE STORY

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**From:** Section106 <[Section106@mcn-nsn.gov](mailto:Section106@mcn-nsn.gov)>  
**Sent:** Tuesday, July 7, 2020 5:32 PM  
**To:** Perminter, Jr., Samuel (CFM) <[samuel.perminter@va.gov](mailto:samuel.perminter@va.gov)>  
**Subject:** [EXTERNAL] Section 106 Consultation Proposed VA Daytona Beach Outpatient Clinic

Good afternoon Mr. Perminter,

The Muscogee Nation has received correspondence from Mr. Rob Clark regarding the four proposed sites for the construction of a Daytona Beach VA Outpatient clinic located in Volusia County, Florida. Volusia County is located within the Muscogee Nation's historic area of interest and is of importance to us. After review, the Muscogee Nation is unaware of any Muscogee sacred sites, burial grounds, or significant cultural resources located within the immediate project area for each of the proposed sites. The Muscogee Nation concurs that there should be **no effects to any known historic properties** and that work should proceed as planned. However, due to the historic presence of Muscogee people in the project areas, inadvertent discoveries of human remains and related NAGPRA items may occur, even in areas of existing or prior development. Should this occur, the Muscogee (Creek) Nation requests that all work cease and our office as well as other appropriate agencies be notified immediately. This stipulation should be implemented into the project plans to ensure that contractors are aware of it. Any changes to the approved scope of work for this project will require re-submission to, and evaluation and approval by the Muscogee (Creek) Nation prior to initiation of any work for compliance with Section 106. Please feel free to contact me if there are any questions or concerns.

Thank you,

**Robin Soweka Jr.**

Historic and Cultural Preservation Department | Cultural Resource Specialist

Muscogee (Creek) Nation

P.O. Box 580 | Okmulgee, OK 74447

T 918.732.7726

F 918.758.0649

<http://www.muscogeenation-nsn.gov/>

**APPENDIX C**  
**Photograph Logs**

**SITE 1 PHOTOGRAPHS**



LOOKING N ALONG WEST PROPERTY LINE



LOOKING EAST AT SITE



LOOKING SOUTHEAST AT SITE



LOOKING SOUTHWEST AT SITE



LOOKING SOUTH ALONG EAST PROPERTY LINE



LOOKING WEST AT SITE



LOOKING NW AT SITE



LOOKING NORTH ALONG WEST PROPERTY LINE



LOOKING EAST AT SITE

## SITE 1 PHOTOGRAPHS



LOOKING NE AT SUBJECT PROPERTY



LOOKING NORTHEAST AT SITE



LOOKING SOUTH FROM CENTER OF SITE



LOOKING NORTHWEST AT ABUTTING PROPERTY



LOOKING EAST FROM SITE AT ADJACENT PROPERTY



LOOKING SW AT ABUTTING PROPERTY



LOOKING NORTH FROM CENTER OF SITE



LOOKING AT ABUTTING PROPERTY TO THE SOUTH



LOOKING SE AT ABUTTING PROPERTY

## SITE 2 PHOTOGRAPHS



Photo 1 - View north along the eastern boundary of the undeveloped Site property, which is bordered by N. Williamson Blvd. to the right.

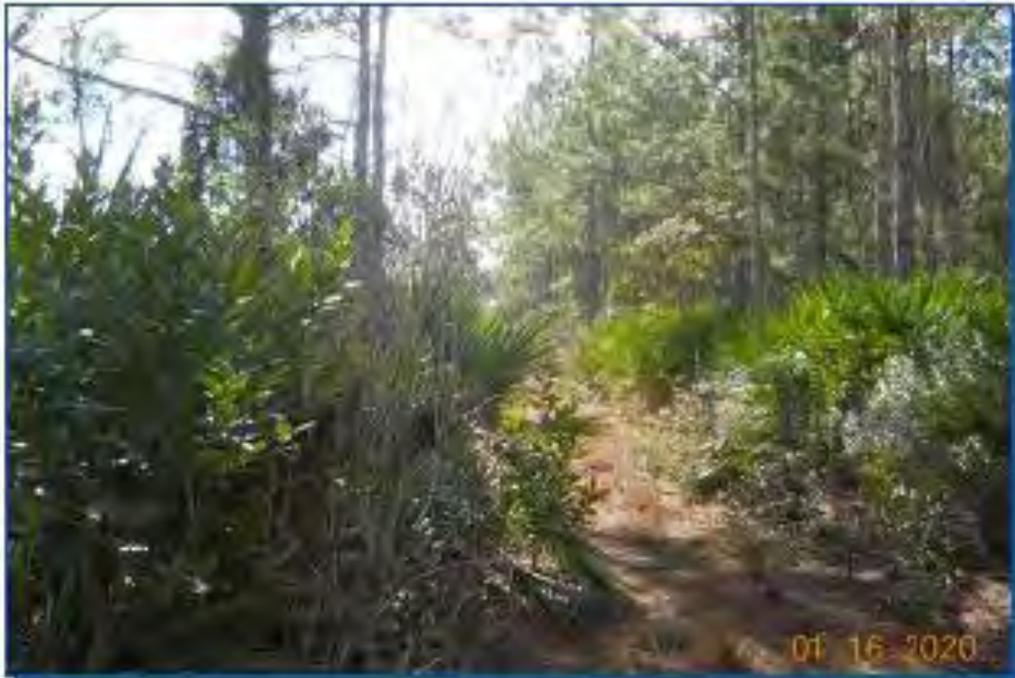


Photo 2 - View southwest of an old railroad line angling southwest through the southeast corner of the Site property.

## SITE 2 PHOTOGRAPHS



Photo 3 - View north of several scrap tires observed in a clearing along the north side of the former rail line shown above.



Photo 4 - View west of standing water observed in the south-central portion of the property, followed by forested uplands in the southwest portion of the Site.

**SITE 2 PHOTOGRAPHS**



Photo 5 - View west of undeveloped grassy land adjoining the south side of the wooded Site land parcel (right).



Photo 6 - View back east from the southeast corner of the Site, of a residential apartment building complex beyond N. Williamson Blvd.

## SITE 2 PHOTOGRAPHS



Photo 7 - View southeast from the Interstate 1-95 highway of undeveloped grassy land adjoining the wooded western portion of the Site land parcel.



Photo 8 - View east from the Interstate 1-95 highway of an emergent wetland area (right) adjoining the northwest corner of the Site, followed by open grassy land.

## SITE 2 PHOTOGRAPHS



Photo 9 - View back west towards I-95 in the distance, showing undeveloped grassy & wooded land adjoining the Site land parcel to the north.



Photo 10 - View north of a portion of the commercial Advanced Technology College campus and retention pond, which adjoins the northeast portion of the Site.

## SITE 2 PHOTOGRAPHS



Photo 11 - View south from the above point of the east side of the fenced retention pond, followed by the wooded Site land parcel.



Photo 12 - View west across the above retention pond of the wooded northwest portion of the Site land parcel in the distance.

## SITE 3 PHOTOGRAPHS



Photo 1: Near the northern site boundary looking northeast at the drainage pathway.



Photo 3: Looking south at the undeveloped land on the western portion of the site.

### SITE 3 PHOTOGRAPHS



**Photo 2:** View of several bales of hay located near the center of the site.



**Photo 4:** Near the western site boundary looking southwest at the adjoining property.

### SITE 3 PHOTOGRAPHS



Photo 5: Looking west at the undeveloped land on the western portion of the site.



Photo 7: Near the northern site boundary looking north.

### SITE 3 PHOTOGRAPHS



Photo 6: Near the center of the site looking east.

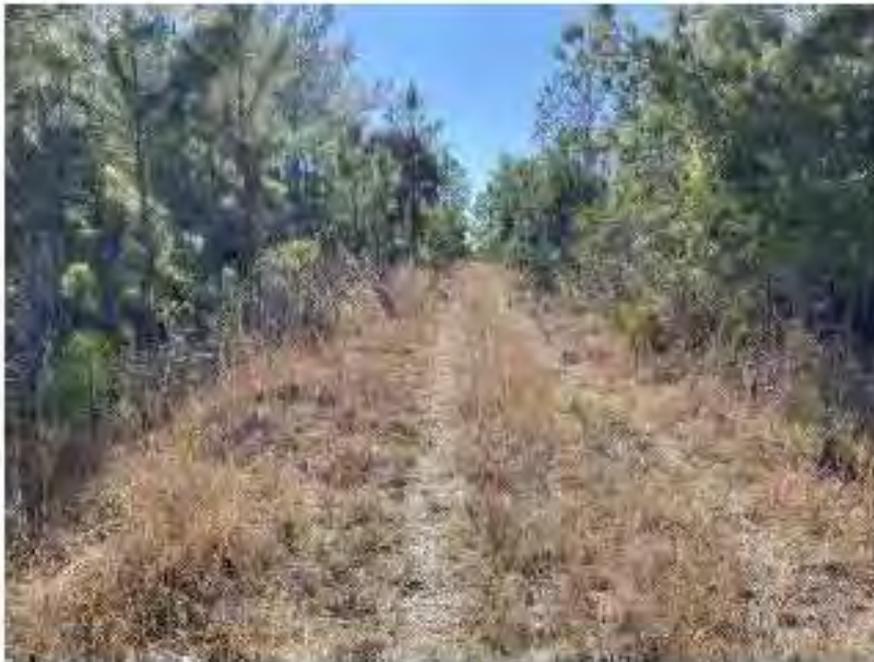


Photo 8: View of a trail road observed on the western portion of the site parallel to the drainage pathway.

## SITE 3 PHOTOGRAPHS



Photo 9: Near the eastern site boundary looking east at the adjoining property.



Photo 11: Near the southern site boundary looking north at the site.

## SITE 3 PHOTOGRAPHS



Photo 10: Looking south at the adjoining property to the south.



Photo 12: View of a retention pond located on the adjoining property to the south.

## SITE 4 PHOTOGRAPHS



1. Subject property identification sign



2. Main entrance



3. Northern elevation of property



4. Eastern elevation of property



5. Southern elevation of property



6. Overview of magnetic imaging structure

**SITE 4 PHOTOGRAPHS**



7. On-site drainage in landscaped area



8. Parking area on northern area of property



9. Parking area on southern area of property



10. Overflow parking area at northwest corner



15. Patient waiting area



16. Corridor in patient wing

**SITE 4 PHOTOGRAPHS**



17. Exam room



18. Janitorial closet



25. Adjacent property north



26. Adjacent property east



27. Adjacent property south



28. Adjacent property west

## APPENDIX D

### IPaC Reports and FNAI Biodiversity Matrices



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
North Florida Ecological Services Field Office  
7915 Baymeadows Way, Suite 200  
Jacksonville, FL 32256-7517  
Phone: (904) 731-3336 Fax: (904) 731-3045

In Reply Refer To:

July 07, 2020

Consultation Code: 04EF1000-2020-SLI-0502

Event Code: 04EF1000-2020-E-01667

Project Name: Daytona Beach Outpatient Clinic - Site 1

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
  - Migratory Birds
-

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**North Florida Ecological Services Field Office**

7915 Baymeadows Way, Suite 200

Jacksonville, FL 32256-7517

(904) 731-3336

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## Project Summary

Consultation Code: 04EF1000-2020-SLI-0502

Event Code: 04EF1000-2020-E-01667

Project Name: Daytona Beach Outpatient Clinic - Site 1

Project Type: DEVELOPMENT

Project Description: Construct and operate outpatient clinic.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/29.240592846061972N81.1029789802333W>



Counties: Volusia, FL

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## Endangered Species Act Species

There is a total of 11 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Southeastern Beach Mouse <i>Peromyscus polionotus niveiventris</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3951">https://ecos.fws.gov/ecp/species/3951</a>	Threatened

### Birds

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Proposed Threatened
Florida Scrub-jay <i>Aphelocoma coerulescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6174">https://ecos.fws.gov/ecp/species/6174</a>	Threatened
Wood Stork <i>Mycteria americana</i> Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8477">https://ecos.fws.gov/ecp/species/8477</a>	Threatened

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## Reptiles

NAME	STATUS
Eastern Indigo Snake <i>Drymarchon corais couperi</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/646">https://ecos.fws.gov/ecp/species/646</a>	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: eastern No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6994">https://ecos.fws.gov/ecp/species/6994</a>	Candidate
Green Sea Turtle <i>Chelonia mydas</i> Population: North Atlantic DPS There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6199">https://ecos.fws.gov/ecp/species/6199</a>	Threatened
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3656">https://ecos.fws.gov/ecp/species/3656</a>	Endangered
Leatherback Sea Turtle <i>Dermochelys coriacea</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1493">https://ecos.fws.gov/ecp/species/1493</a>	Endangered
Loggerhead Sea Turtle <i>Caretta caretta</i> Population: Northwest Atlantic Ocean DPS There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1110">https://ecos.fws.gov/ecp/species/1110</a>	Threatened

## Flowering Plants

NAME	STATUS
Rugel's Pawpaw <i>Deeringothamnus rugelii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5355">https://ecos.fws.gov/ecp/species/5355</a>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

# Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

- 
1. The [Migratory Birds Treaty Act](#) of 1918.
  2. The [Bald and Golden Eagle Protection Act](#) of 1940.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Apr 1 to Aug 31
American Oystercatcher <i>Haematopus palliatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8935">https://ecos.fws.gov/ecp/species/8935</a>	Breeds Apr 15 to Aug 31

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NAME	BREEDING SEASON
<p><b>Bald Eagle <i>Haliaeetus leucocephalus</i></b>            This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.  <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a></p>	Breeds Sep 1 to Jul 31
<p><b>Black Skimmer <i>Rynchops niger</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/5234">https://ecos.fws.gov/ecp/species/5234</a></p>	Breeds May 20 to Sep 15
<p><b>Common Ground-dove <i>Columbina passerina exigua</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Feb 1 to Dec 31
<p><b>Dunlin <i>Calidris alpina arctica</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p><b>Least Tern <i>Sterna antillarum</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Apr 20 to Sep 10
<p><b>Lesser Yellowlegs <i>Tringa flavipes</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9679">https://ecos.fws.gov/ecp/species/9679</a></p>	Breeds elsewhere
<p><b>Magnificent Frigatebird <i>Fregata magnificens</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Oct 1 to Apr 30
<p><b>Prairie Warbler <i>Dendroica discolor</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 1 to Jul 31
<p><b>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Sep 10
<p><b>Reddish Egret <i>Egretta rufescens</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/7617">https://ecos.fws.gov/ecp/species/7617</a></p>	Breeds Mar 1 to Sep 15

NAME	BREEDING SEASON
<b>Ruddy Turnstone</b> <i>Arenaria interpres morinella</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
<b>Semipalmated Sandpiper</b> <i>Calidris pusilla</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
<b>Short-billed Dowitcher</b> <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9480">https://ecos.fws.gov/ecp/species/9480</a>	Breeds elsewhere
<b>Short-tailed Hawk</b> <i>Buteo brachyurus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/8742">https://ecos.fws.gov/ecp/species/8742</a>	Breeds Mar 1 to Jun 30
<b>Swallow-tailed Kite</b> <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8938">https://ecos.fws.gov/ecp/species/8938</a>	Breeds Mar 10 to Jun 30
<b>Willet</b> <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 5
<b>Yellow Warbler</b> <i>Dendroica petechia gundlachi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 20 to Aug 10

## Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ “Proper Interpretation and Use of Your Migratory Bird Report” before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

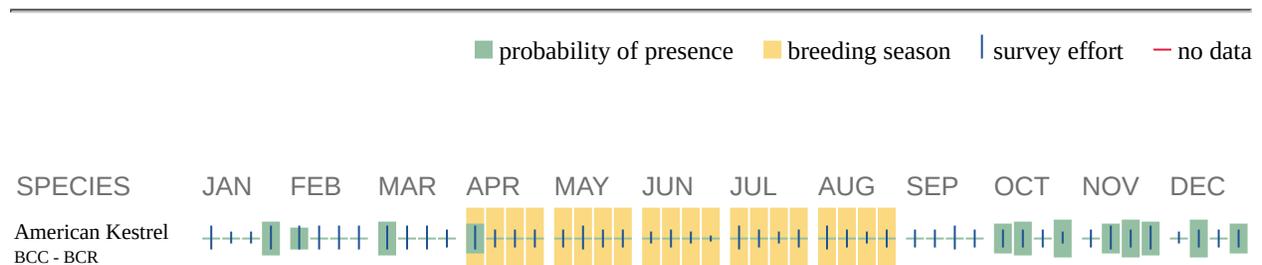
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

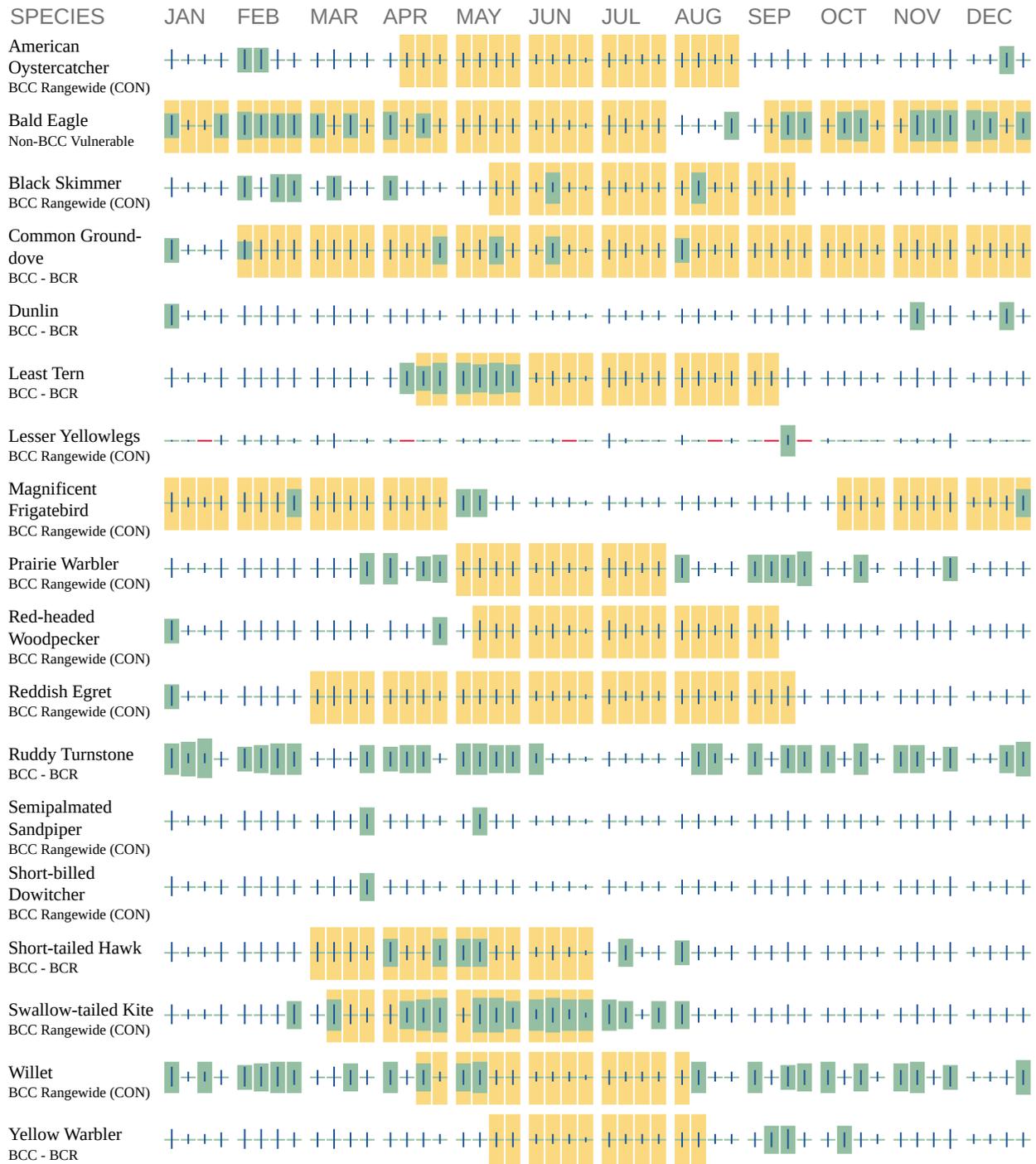
### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>

- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

## Migratory Birds FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and

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how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

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**What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

**Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

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: Road  
12303

## Florida Natural Areas Inventory

### Biodiversity Matrix Query Results

#### UNOFFICIAL REPORT

Created 4/24/2020

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu for information on an official Standard Data Report)

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

### Report for 1 Matrix Unit: 52500

	<p><b>Descriptions</b></p> <p><b>DOCUMENTED</b> - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.</p> <p><b>DOCUMENTED-HISTORIC</b> - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.</p> <p><b>LIKELY</b> - The species or community is <i>known</i> to occur in this vicinity, and is considered likely within this Matrix Unit because:</p> <ol style="list-style-type: none"> <li>1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; <i>or</i></li> <li>2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.</li> </ol> <p><b>POTENTIAL</b> - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.</p>
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### Matrix Unit ID: 52500

0 Documented Elements Found

0 Documented-Historic Elements Found

3 Likely Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<i>Mesic flatwoods</i>	G4	S4	N	N
	G2	S2	LE	FE

<a href="#">Trichechus manatus</a> West Indian Manatee				
<a href="#">Ursus americanus floridanus</a> Florida Black Bear	G5T2	S2	N	N

**Matrix Unit ID: 52500**

**20 Potential** Elements for Matrix Unit 52500

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<a href="#">Calopogon multiflorus</a> Many-flowered Grass-pink	G2G3	S2S3	N	T
<a href="#">Carex chapmanii</a> Chapman's Sedge	G3	S3	N	T
<a href="#">Centrosema arenicola</a> Sand Butterfly Pea	G2Q	S2	N	E
<a href="#">Conradina grandiflora</a> Large-flowered Rosemary	G3	S3	N	T
<a href="#">Deeringothamnus rugelii</a> Rugel's Pawpaw	G1	S1	LE	E
<a href="#">Drymarchon couperi</a> Eastern Indigo Snake	G3	S3	LT	FT
<a href="#">Gopherus polyphemus</a> Gopher Tortoise	G3	S3	C	ST
<a href="#">Grus canadensis pratensis</a> Florida Sandhill Crane	G5T2T3	S2S3	N	ST
<a href="#">Gymnopogon chapmanianus</a> Chapman's Skeletongrass	G3	S3	N	N
<a href="#">Heterodon simus</a> Southern Hognose Snake	G2	S2	N	N
<a href="#">Illicium parviflorum</a> Star Anise	G2	S2	N	E
<a href="#">Lechea cernua</a> Nodding Pinweed	G3	S3	N	T
<a href="#">Matelea floridana</a> Florida Spiny-pod	G2	S2	N	E
<a href="#">Nemastylis floridana</a> Celestial Lily	G2	S2	N	E
<a href="#">Neofiber alleni</a> Round-tailed Muskrat	G3	S3	N	N
<a href="#">Nolina atopocarpa</a> Florida Beargrass	G3	S3	N	T
<a href="#">Phyllophaga elongata</a> Elongate June Beetle	G3	S3	N	N
<a href="#">Pteroglossaspis ecristata</a> Giant Orchid	G2G3	S2	N	T
<a href="#">Pycnanthemum floridanum</a> Florida Mountain-mint	G3	S3	N	T
<a href="#">Salix floridana</a> Florida Willow	G2	S2	N	E

**Disclaimer**

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the

purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

**Unofficial Report**

These results are considered unofficial. FNAI offers a [Standard Data Request](#) option for those needing certifiable data.



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
North Florida Ecological Services Field Office  
7915 Baymeadows Way, Suite 200  
Jacksonville, FL 32256-7517  
Phone: (904) 731-3336 Fax: (904) 731-3045

In Reply Refer To:

July 07, 2020

Consultation Code: 04EF1000-2020-SLI-0591

Event Code: 04EF1000-2020-E-01665

Project Name: Daytona Beach Outpatient Clinic - Site 2

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
  - Migratory Birds
-

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**North Florida Ecological Services Field Office**

7915 Baymeadows Way, Suite 200

Jacksonville, FL 32256-7517

(904) 731-3336

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## Project Summary

Consultation Code: 04EF1000-2020-SLI-0591

Event Code: 04EF1000-2020-E-01665

Project Name: Daytona Beach Outpatient Clinic - Site 2

Project Type: DEVELOPMENT

Project Description: Potential location for 122,000-square foot VA outpatient clinic with 808 surface parking spaces.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/29.22985434689373N81.09956931436355W>



Counties: Volusia, FL

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## Endangered Species Act Species

There is a total of 11 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Southeastern Beach Mouse <i>Peromyscus polionotus niveiventris</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3951">https://ecos.fws.gov/ecp/species/3951</a>	Threatened

### Birds

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Proposed Threatened
Florida Scrub-jay <i>Aphelocoma coerulescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6174">https://ecos.fws.gov/ecp/species/6174</a>	Threatened
Wood Stork <i>Mycteria americana</i> Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8477">https://ecos.fws.gov/ecp/species/8477</a>	Threatened

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## Reptiles

NAME	STATUS
Eastern Indigo Snake <i>Drymarchon corais couperi</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/646">https://ecos.fws.gov/ecp/species/646</a>	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: eastern No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6994">https://ecos.fws.gov/ecp/species/6994</a>	Candidate
Green Sea Turtle <i>Chelonia mydas</i> Population: North Atlantic DPS There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6199">https://ecos.fws.gov/ecp/species/6199</a>	Threatened
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3656">https://ecos.fws.gov/ecp/species/3656</a>	Endangered
Leatherback Sea Turtle <i>Dermochelys coriacea</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1493">https://ecos.fws.gov/ecp/species/1493</a>	Endangered
Loggerhead Sea Turtle <i>Caretta caretta</i> Population: Northwest Atlantic Ocean DPS There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1110">https://ecos.fws.gov/ecp/species/1110</a>	Threatened

## Flowering Plants

NAME	STATUS
Rugel's Pawpaw <i>Deeringothamnus rugelii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5355">https://ecos.fws.gov/ecp/species/5355</a>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

# Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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1. The [Migratory Birds Treaty Act](#) of 1918.
  2. The [Bald and Golden Eagle Protection Act](#) of 1940.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Apr 1 to Aug 31
American Oystercatcher <i>Haematopus palliatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8935">https://ecos.fws.gov/ecp/species/8935</a>	Breeds Apr 15 to Aug 31

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NAME	BREEDING SEASON
<p><b>Bald Eagle</b> <i>Haliaeetus leucocephalus</i>            This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.  <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a></p>	Breeds Sep 1 to Jul 31
<p><b>Black Skimmer</b> <i>Rynchops niger</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/5234">https://ecos.fws.gov/ecp/species/5234</a></p>	Breeds May 20 to Sep 15
<p><b>Common Ground-dove</b> <i>Columbina passerina exigua</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Feb 1 to Dec 31
<p><b>Dunlin</b> <i>Calidris alpina arctica</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p><b>Least Tern</b> <i>Sterna antillarum</i>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Apr 20 to Sep 10
<p><b>Lesser Yellowlegs</b> <i>Tringa flavipes</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/9679">https://ecos.fws.gov/ecp/species/9679</a></p>	Breeds elsewhere
<p><b>Magnificent Frigatebird</b> <i>Fregata magnificens</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Oct 1 to Apr 30
<p><b>Prairie Warbler</b> <i>Dendroica discolor</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 1 to Jul 31
<p><b>Red-headed Woodpecker</b> <i>Melanerpes erythrocephalus</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Sep 10
<p><b>Reddish Egret</b> <i>Egretta rufescens</i>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/7617">https://ecos.fws.gov/ecp/species/7617</a></p>	Breeds Mar 1 to Sep 15

NAME	BREEDING SEASON
<b>Ruddy Turnstone</b> <i>Arenaria interpres morinella</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
<b>Semipalmated Sandpiper</b> <i>Calidris pusilla</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
<b>Short-billed Dowitcher</b> <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9480">https://ecos.fws.gov/ecp/species/9480</a>	Breeds elsewhere
<b>Short-tailed Hawk</b> <i>Buteo brachyurus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/8742">https://ecos.fws.gov/ecp/species/8742</a>	Breeds Mar 1 to Jun 30
<b>Swallow-tailed Kite</b> <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8938">https://ecos.fws.gov/ecp/species/8938</a>	Breeds Mar 10 to Jun 30
<b>Willet</b> <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 5
<b>Yellow Warbler</b> <i>Dendroica petechia gundlachi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 20 to Aug 10

## Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ “Proper Interpretation and Use of Your Migratory Bird Report” before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (|)

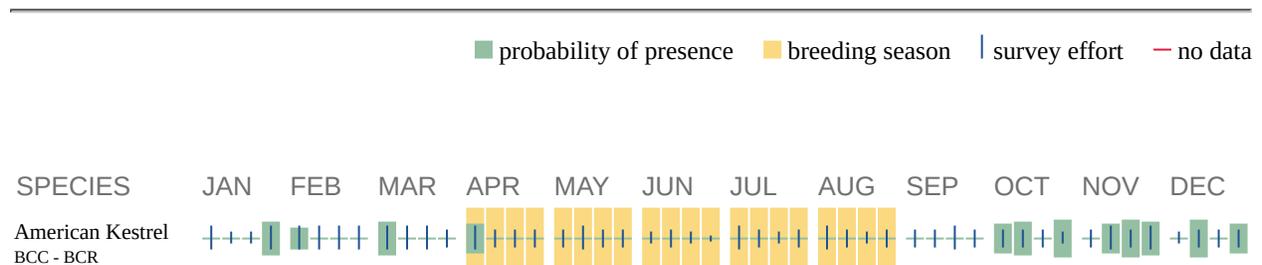
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

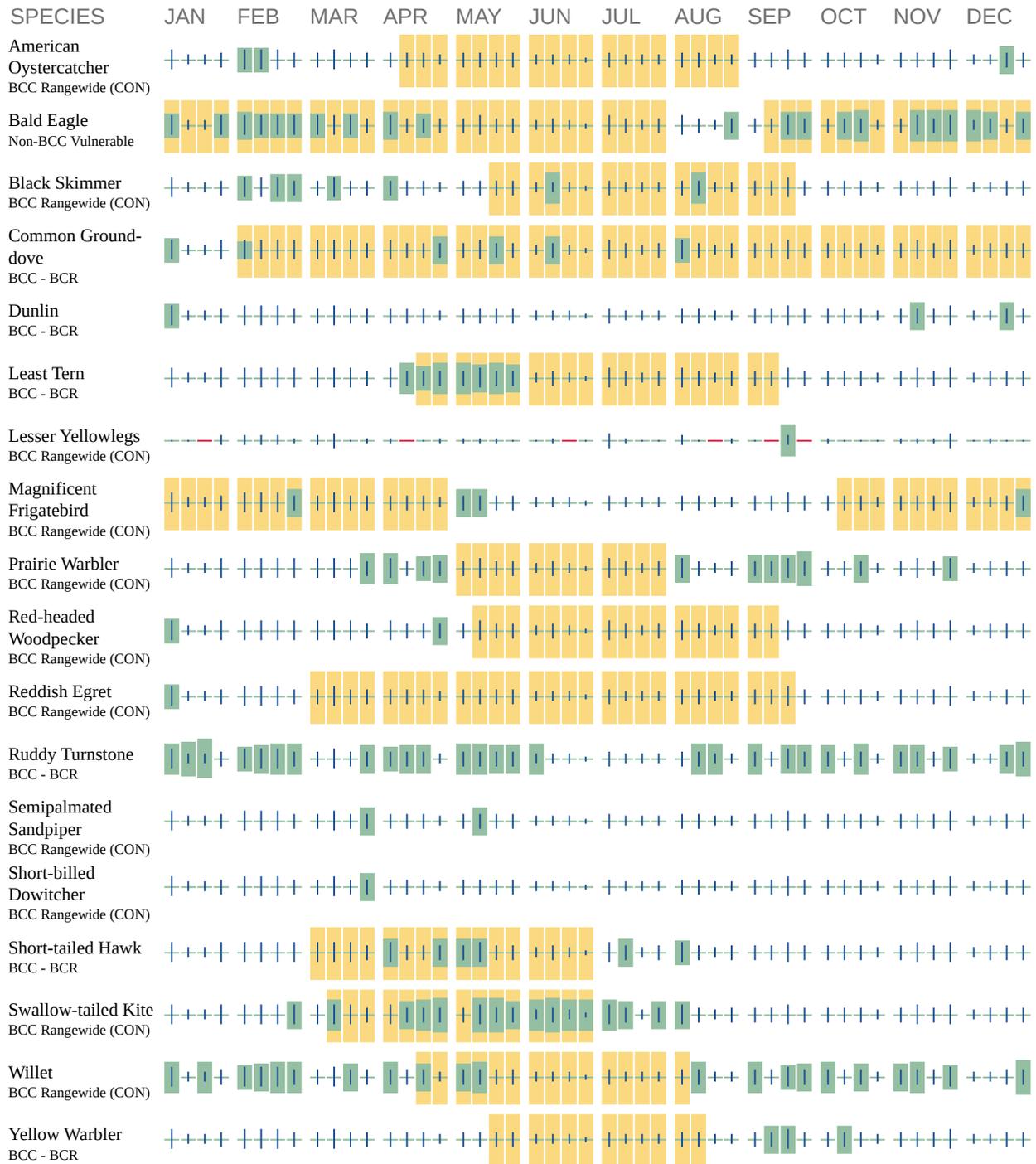
### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>

- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

## Migratory Birds FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and

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how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

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**What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

**Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ “What does IPaC use to generate the migratory birds potentially occurring in my specified location”. Please be aware this report provides the “probability of presence” of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

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## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
North Florida Ecological Services Field Office  
7915 Baymeadows Way, Suite 200  
Jacksonville, FL 32256-7517  
Phone: (904) 731-3336 Fax: (904) 731-3045

In Reply Refer To:  
Consultation Code: 04EF1000-2020-SLI-0593  
Event Code: 04EF1000-2020-E-01669  
Project Name: Daytona Beach Outpatient Clinic - Site 3

July 07, 2020

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
  - Migratory Birds
-

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**North Florida Ecological Services Field Office**

7915 Baymeadows Way, Suite 200

Jacksonville, FL 32256-7517

(904) 731-3336

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## Project Summary

Consultation Code: 04EF1000-2020-SLI-0593

Event Code: 04EF1000-2020-E-01669

Project Name: Daytona Beach Outpatient Clinic - Site 3

Project Type: DEVELOPMENT

Project Description: Potential location for 138,000-square foot VA outpatient clinic with 750 surface parking spaces.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/29.227214068161476N81.09727431202816W>



Counties: Volusia, FL

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## Endangered Species Act Species

There is a total of 11 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Southeastern Beach Mouse <i>Peromyscus polionotus niveiventris</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3951">https://ecos.fws.gov/ecp/species/3951</a>	Threatened

### Birds

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Proposed Threatened
Florida Scrub-jay <i>Aphelocoma coerulescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6174">https://ecos.fws.gov/ecp/species/6174</a>	Threatened
Wood Stork <i>Mycteria americana</i> Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8477">https://ecos.fws.gov/ecp/species/8477</a>	Threatened

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## Reptiles

NAME	STATUS
<p>Eastern Indigo Snake <i>Drymarchon corais couperi</i>            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/646">https://ecos.fws.gov/ecp/species/646</a></p>	Threatened
<p>Gopher Tortoise <i>Gopherus polyphemus</i>            Population: eastern            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/6994">https://ecos.fws.gov/ecp/species/6994</a></p>	Candidate
<p>Green Sea Turtle <i>Chelonia mydas</i>            Population: North Atlantic DPS            There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat.            Species profile: <a href="https://ecos.fws.gov/ecp/species/6199">https://ecos.fws.gov/ecp/species/6199</a></p>	Threatened
<p>Hawksbill Sea Turtle <i>Eretmochelys imbricata</i>            There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat.            Species profile: <a href="https://ecos.fws.gov/ecp/species/3656">https://ecos.fws.gov/ecp/species/3656</a></p>	Endangered
<p>Leatherback Sea Turtle <i>Dermochelys coriacea</i>            There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat.            Species profile: <a href="https://ecos.fws.gov/ecp/species/1493">https://ecos.fws.gov/ecp/species/1493</a></p>	Endangered
<p>Loggerhead Sea Turtle <i>Caretta caretta</i>            Population: Northwest Atlantic Ocean DPS            There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat.            Species profile: <a href="https://ecos.fws.gov/ecp/species/1110">https://ecos.fws.gov/ecp/species/1110</a></p>	Threatened

## Flowering Plants

NAME	STATUS
<p>Rugel's Pawpaw <i>Deeringothamnus rugelii</i>            No critical habitat has been designated for this species.            Species profile: <a href="https://ecos.fws.gov/ecp/species/5355">https://ecos.fws.gov/ecp/species/5355</a></p>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

# Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

- 
1. The [Migratory Birds Treaty Act](#) of 1918.
  2. The [Bald and Golden Eagle Protection Act](#) of 1940.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Apr 1 to Aug 31
American Oystercatcher <i>Haematopus palliatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8935">https://ecos.fws.gov/ecp/species/8935</a>	Breeds Apr 15 to Aug 31

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NAME	BREEDING SEASON
<p><b>Bald Eagle <i>Haliaeetus leucocephalus</i></b>            This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.  <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a></p>	Breeds Sep 1 to Jul 31
<p><b>Black Skimmer <i>Rynchops niger</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/5234">https://ecos.fws.gov/ecp/species/5234</a></p>	Breeds May 20 to Sep 15
<p><b>Common Ground-dove <i>Columbina passerina exigua</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Feb 1 to Dec 31
<p><b>Dunlin <i>Calidris alpina arctica</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p><b>Least Tern <i>Sterna antillarum</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Apr 20 to Sep 10
<p><b>Magnificent Frigatebird <i>Fregata magnificens</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Oct 1 to Apr 30
<p><b>Prairie Warbler <i>Dendroica discolor</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 1 to Jul 31
<p><b>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Sep 10
<p><b>Reddish Egret <i>Egretta rufescens</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/7617">https://ecos.fws.gov/ecp/species/7617</a></p>	Breeds Mar 1 to Sep 15
<p><b>Ruddy Turnstone <i>Arenaria interpres morinella</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p><b>Semipalmated Sandpiper <i>Calidris pusilla</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds elsewhere

NAME	BREEDING SEASON
Short-billed Dowitcher <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9480">https://ecos.fws.gov/ecp/species/9480</a>	Breeds elsewhere
Short-tailed Hawk <i>Buteo brachyurus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/8742">https://ecos.fws.gov/ecp/species/8742</a>	Breeds Mar 1 to Jun 30
Swallow-tailed Kite <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8938">https://ecos.fws.gov/ecp/species/8938</a>	Breeds Mar 10 to Jun 30
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 5
Yellow Warbler <i>Dendroica petechia gundlachi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 20 to Aug 10

## Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ “Proper Interpretation and Use of Your Migratory Bird Report” before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.





Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

## Migratory Birds FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

### **What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

### **What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your

project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

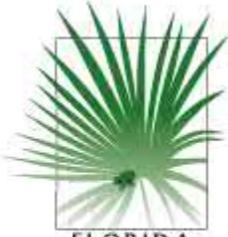
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overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

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FLORIDA  
**Natural Areas**  
 INVENTORY

## Florida Natural Areas Inventory

### Biodiversity Matrix Query Results

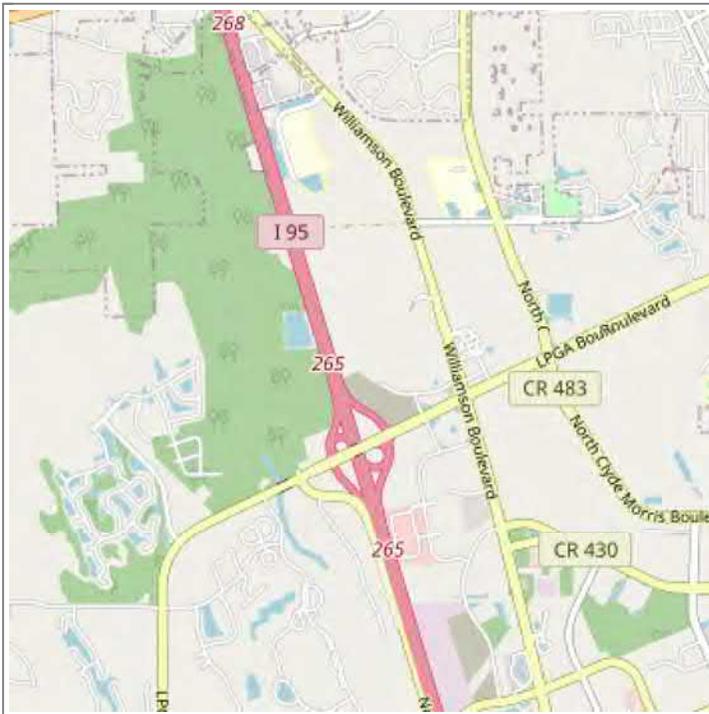
#### UNOFFICIAL REPORT

Created 4/24/2020

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu for information on an official Standard Data Report)

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

### Report for 1 Matrix Unit: 52499



#### Descriptions

**DOCUMENTED** - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.

**DOCUMENTED-HISTORIC** - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.

**LIKELY** - The species or community is *known* to occur in this vicinity, and is considered likely within this Matrix Unit because:

1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; *or*
2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.

**POTENTIAL** - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.

#### Matrix Unit ID: 52499

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<i>Mesic flatwoods</i>	G4	S4	N	N
	G5T2	S2	N	N

[Ursus americanus floridanus](#)  
Florida Black Bear

**Matrix Unit ID: 52499**

**22 Potential** Elements for Matrix Unit 52499

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<a href="#">Calopogon multiflorus</a> Many-flowered Grass-pink	G2G3	S2S3	N	T
<a href="#">Carex chapmanii</a> Chapman's Sedge	G3	S3	N	T
<a href="#">Centrosema arenicola</a> Sand Butterfly Pea	G2Q	S2	N	E
<a href="#">Conradina grandiflora</a> Large-flowered Rosemary	G3	S3	N	T
<a href="#">Corynorhinus rafinesquii</a> Rafinesque's Big-eared Bat	G3G4	S2	N	N
<a href="#">Deeringothamnus rugelii</a> Rugel's Pawpaw	G1	S1	LE	E
<a href="#">Drymarchon couperi</a> Eastern Indigo Snake	G3	S3	LT	FT
<a href="#">Gopherus polyphemus</a> Gopher Tortoise	G3	S3	C	ST
<a href="#">Grus canadensis pratensis</a> Florida Sandhill Crane	G5T2T3	S2S3	N	ST
<a href="#">Gymnopogon chapmanianus</a> Chapman's Skeletongrass	G3	S3	N	N
<a href="#">Heterodon simus</a> Southern Hognose Snake	G2	S2	N	N
<a href="#">Illicium parviflorum</a> Star Anise	G2	S2	N	E
<a href="#">Lechea cernua</a> Nodding Pinweed	G3	S3	N	T
<a href="#">Lithobates capito</a> Gopher Frog	G3	S3	N	SSC
<a href="#">Matelea floridana</a> Florida Spiny-pod	G2	S2	N	E
<a href="#">Nemastylis floridana</a> Celestial Lily	G2	S2	N	E
<a href="#">Neofiber alleni</a> Round-tailed Muskrat	G3	S3	N	N
<a href="#">Nolina atopocarpa</a> Florida Beargrass	G3	S3	N	T
<a href="#">Phyllophaga elongata</a> Elongate June Beetle	G3	S3	N	N
<a href="#">Pteroglossaspis ecristata</a> Giant Orchid	G2G3	S2	N	T
<a href="#">Pycnanthemum floridanum</a> Florida Mountain-mint	G3	S3	N	T
<a href="#">Salix floridana</a> Florida Willow	G2	S2	N	E

**Disclaimer**

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or

conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

**Unofficial Report**

These results are considered unofficial. FNAI offers a [Standard Data Request](#) option for those needing certifiable data.



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
North Florida Ecological Services Field Office  
7915 Baymeadows Way, Suite 200  
Jacksonville, FL 32256-7517  
Phone: (904) 731-3336 Fax: (904) 731-3045

In Reply Refer To:

July 07, 2020

Consultation Code: 04EF1000-2020-SLI-0592

Event Code: 04EF1000-2020-E-01671

Project Name: Daytona Beach Outpatient Clinic - Site 4

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
  - Migratory Birds
-

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**North Florida Ecological Services Field Office**

7915 Baymeadows Way, Suite 200

Jacksonville, FL 32256-7517

(904) 731-3336

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## Project Summary

Consultation Code: 04EF1000-2020-SLI-0592

Event Code: 04EF1000-2020-E-01671

Project Name: Daytona Beach Outpatient Clinic - Site 4

Project Type: DEVELOPMENT

Project Description: Potential location for renovation and new construction for a 128,000-square foot VA outpatient clinic with 768 surface and structure parking spaces.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/29.20628105136507N81.06162250641495W>



Counties: Volusia, FL

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## Endangered Species Act Species

There is a total of 11 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Southeastern Beach Mouse <i>Peromyscus polionotus niveiventris</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3951">https://ecos.fws.gov/ecp/species/3951</a>	Threatened

### Birds

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Proposed Threatened
Florida Scrub-jay <i>Aphelocoma coerulescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6174">https://ecos.fws.gov/ecp/species/6174</a>	Threatened
Wood Stork <i>Mycteria americana</i> Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8477">https://ecos.fws.gov/ecp/species/8477</a>	Threatened

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## Reptiles

NAME	STATUS
Eastern Indigo Snake <i>Drymarchon corais couperi</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/646">https://ecos.fws.gov/ecp/species/646</a>	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> Population: eastern No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6994">https://ecos.fws.gov/ecp/species/6994</a>	Candidate
Green Sea Turtle <i>Chelonia mydas</i> Population: North Atlantic DPS There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6199">https://ecos.fws.gov/ecp/species/6199</a>	Threatened
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3656">https://ecos.fws.gov/ecp/species/3656</a>	Endangered
Leatherback Sea Turtle <i>Dermochelys coriacea</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1493">https://ecos.fws.gov/ecp/species/1493</a>	Endangered
Loggerhead Sea Turtle <i>Caretta caretta</i> Population: Northwest Atlantic Ocean DPS There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1110">https://ecos.fws.gov/ecp/species/1110</a>	Threatened

## Flowering Plants

NAME	STATUS
Rugel's Pawpaw <i>Deeringothamnus rugelii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5355">https://ecos.fws.gov/ecp/species/5355</a>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

# Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

- 
1. The [Migratory Birds Treaty Act](#) of 1918.
  2. The [Bald and Golden Eagle Protection Act](#) of 1940.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Apr 1 to Aug 31
American Oystercatcher <i>Haematopus palliatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8935">https://ecos.fws.gov/ecp/species/8935</a>	Breeds Apr 15 to Aug 31

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NAME	BREEDING SEASON
<p><b>Bald Eagle <i>Haliaeetus leucocephalus</i></b>            This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.  <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a></p>	Breeds Sep 1 to Jul 31
<p><b>Black Skimmer <i>Rynchops niger</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/5234">https://ecos.fws.gov/ecp/species/5234</a></p>	Breeds May 20 to Sep 15
<p><b>Common Ground-dove <i>Columbina passerina exigua</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Feb 1 to Dec 31
<p><b>Dunlin <i>Calidris alpina arctica</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p><b>Least Tern <i>Sterna antillarum</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Apr 20 to Sep 10
<p><b>Magnificent Frigatebird <i>Fregata magnificens</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Oct 1 to Apr 30
<p><b>Prairie Warbler <i>Dendroica discolor</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 1 to Jul 31
<p><b>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Sep 10
<p><b>Reddish Egret <i>Egretta rufescens</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.  <a href="https://ecos.fws.gov/ecp/species/7617">https://ecos.fws.gov/ecp/species/7617</a></p>	Breeds Mar 1 to Sep 15
<p><b>Ruddy Turnstone <i>Arenaria interpres morinella</i></b>            This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p><b>Semipalmated Sandpiper <i>Calidris pusilla</i></b>            This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds elsewhere

NAME	BREEDING SEASON
Short-billed Dowitcher <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9480">https://ecos.fws.gov/ecp/species/9480</a>	Breeds elsewhere
Short-tailed Hawk <i>Buteo brachyurus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/8742">https://ecos.fws.gov/ecp/species/8742</a>	Breeds Mar 1 to Jun 30
Swallow-tailed Kite <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8938">https://ecos.fws.gov/ecp/species/8938</a>	Breeds Mar 10 to Jun 30
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 5
Yellow Warbler <i>Dendroica petechia gundlachi</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 20 to Aug 10

## Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ “Proper Interpretation and Use of Your Migratory Bird Report” before using or attempting to interpret this report.

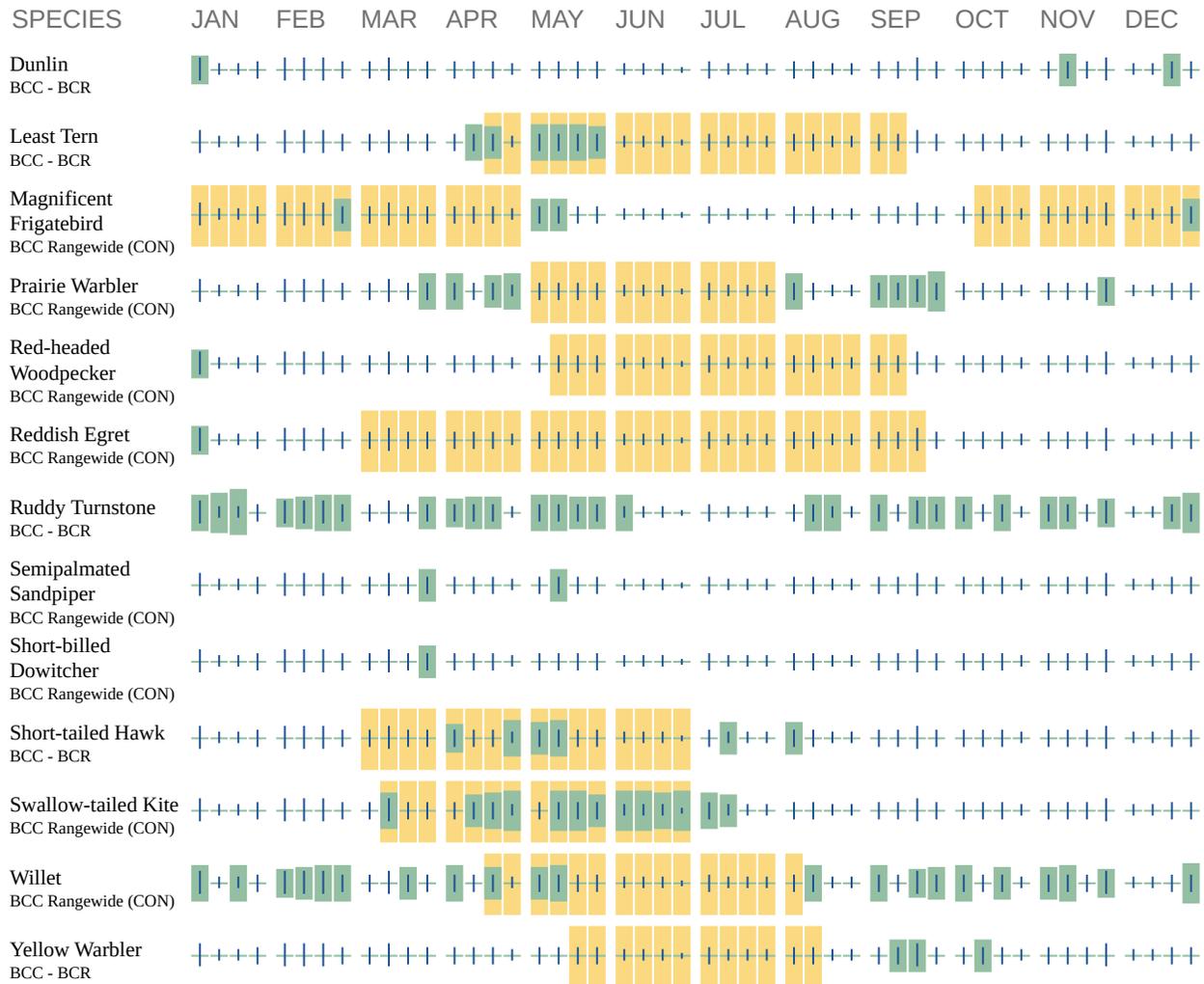
### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.





Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

## Migratory Birds FAQ

**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

### **What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

### **What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### **How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your

project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### **What are the levels of concern for migratory birds?**

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### **Details about birds that are potentially affected by offshore projects**

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### **What if I have eagles on my list?**

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that

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overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the “no data” indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ “Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds” at the bottom of your migratory bird trust resources page.

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FLORIDA  
**Natural Areas**  
 INVENTORY

## Florida Natural Areas Inventory

### Biodiversity Matrix Query Results

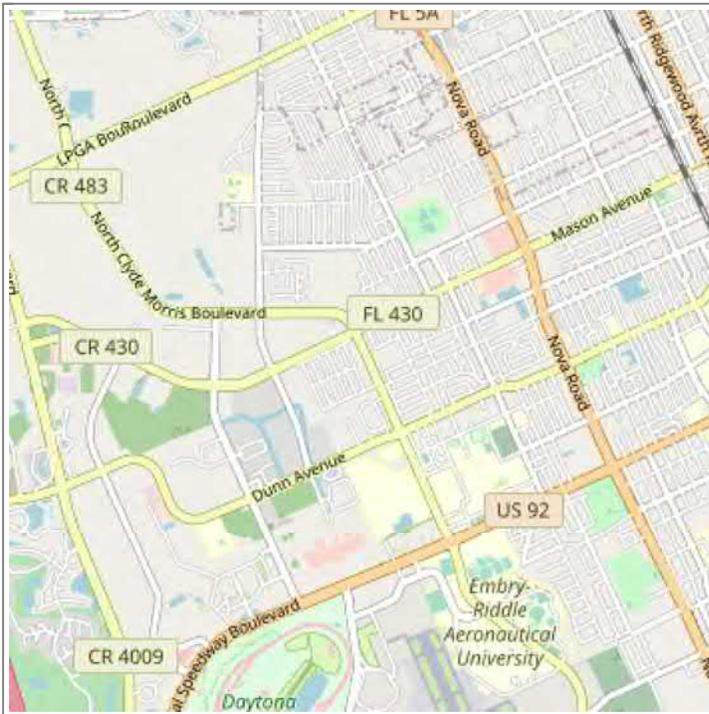
#### UNOFFICIAL REPORT

Created 4/24/2020

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu for information on an official Standard Data Report)

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

### Report for 2 Matrix Units: 53160 , 53488



#### Descriptions

**DOCUMENTED** - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.

**DOCUMENTED-HISTORIC** - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.

**LIKELY** - The species or community is *known* to occur in this vicinity, and is considered likely within this Matrix Unit because:

1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; or
2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.

**POTENTIAL** - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.

#### **Matrix Unit ID: 53160**

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<i>Mesic flatwoods</i>	G4	S4	N	N
<i>Scrub</i>	G2	S2	N	N

**Matrix Unit ID: 53488**

0 Documented Elements Found

0 Documented-Historic Elements Found

1 Likely Element Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<i>Mesic flatwoods</i>	G4	S4	N	N

**Matrix Unit IDs: 53160 , 53488**

24 Potential Elements Common to Any of the 2 Matrix Units

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
<a href="#"><i>Calopogon multiflorus</i></a> Many-flowered Grass-pink	G2G3	S2S3	N	T
<i>Carex chapmanii</i> Chapman's Sedge	G3	S3	N	T
<a href="#"><i>Centrosema arenicola</i></a> Sand Butterfly Pea	G2Q	S2	N	E
<i>Conradina grandiflora</i> Large-flowered Rosemary	G3	S3	N	T
<a href="#"><i>Deeringothamnus rugelii</i></a> Rugel's Pawpaw	G1	S1	LE	E
<a href="#"><i>Drymarchon couperi</i></a> Eastern Indigo Snake	G3	S3	LT	FT
<a href="#"><i>Gopherus polyphemus</i></a> Gopher Tortoise	G3	S3	C	ST
<a href="#"><i>Grus canadensis pratensis</i></a> Florida Sandhill Crane	G5T2T3	S2S3	N	ST
<i>Gymnopogon chapmanianus</i> Chapman's Skeletongrass	G3	S3	N	N
<a href="#"><i>Heterodon simus</i></a> Southern Hognose Snake	G2	S2	N	N
<a href="#"><i>Illicium parviflorum</i></a> Star Anise	G2	S2	N	E
<i>Lechea cernua</i> Nodding Pinweed	G3	S3	N	T
<a href="#"><i>Lithobates capito</i></a> Gopher Frog	G3	S3	N	SSC
<a href="#"><i>Litsea aestivalis</i></a> Pondspice	G3?	S2	N	E
<i>Matelea floridana</i> Florida Spiny-pod	G2	S2	N	E
<i>Mustela frenata peninsulæ</i> Florida Long-tailed Weasel	G5T3	S3	N	N
<a href="#"><i>Nemastylis floridana</i></a> Celestial Lily	G2	S2	N	E
<a href="#"><i>Neofiber alleni</i></a> Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i> Florida Beargrass	G3	S3	N	T
<i>Phyllophaga elongata</i> Elongate June Beetle	G3	S3	N	N
<a href="#"><i>Pituophis melanoleucus mugitus</i></a> Florida Pine Snake	G4T3	S3	N	SSC

<a href="#"><i>Pteroglossaspis ecristata</i></a> Giant Orchid	G2G3	S2	N	T
<i>Pycnanthemum floridanum</i> Florida Mountain-mint	G3	S3	N	T
<a href="#"><i>Salix floridana</i></a> Florida Willow	G2	S2	N	E

**Disclaimer**

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

**Unofficial Report**

These results are considered unofficial. FNAI offers a [Standard Data Request](#) option for those needing certifiable data.

**STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE**  
**U.S. Fish and Wildlife Service**  
**August 12, 2013**

The eastern indigo snake protection/education plan (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida for use by applicants and their construction personnel. At least **30 days prior** to any clearing/land alteration activities, the applicant shall notify the appropriate USFWS Field Office via e-mail that the Plan will be implemented as described below (North Florida Field Office: [jaxregs@fws.gov](mailto:jaxregs@fws.gov); South Florida Field Office: [verobeach@fws.gov](mailto:verobeach@fws.gov); Panama City Field Office: [panamacity@fws.gov](mailto:panamacity@fws.gov)). As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the attached poster and brochure), no further written confirmation or “approval” from the USFWS is needed and the applicant may move forward with the project.

If the applicant decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or “approval” from the USFWS that the plan is adequate must be obtained. At least 30 days prior to any clearing/land alteration activities, the applicant shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

The Plan materials should consist of: 1) a combination of posters and pamphlets (see **Poster Information** section below); and 2) verbal educational instructions to construction personnel by supervisory or management personnel before any clearing/land alteration activities are initiated (see **Pre-Construction Activities** and **During Construction Activities** sections below).

### **POSTER INFORMATION**

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (a final poster for Plan compliance, to be printed on 11” x 17” or larger paper and laminated, is attached):

**DESCRIPTION:** The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

**SIMILAR SNAKES:** The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

**LIFE HISTORY:** The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands

and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

**PROTECTION UNDER FEDERAL AND STATE LAW:** The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. “Taking” of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. “Take” is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

**IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:**

- Cease clearing activities and allow the live eastern indigo snake sufficient time to move away from the site without interference;
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

**IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:**

- Cease clearing activities and immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

**Telephone numbers of USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:**

**North Florida Field Office – (904) 731-3336**  
**Panama City Field Office – (850) 769-0552**  
**South Florida Field Office – (772) 562-3909**

## **PRE-CONSTRUCTION ACTIVITIES**

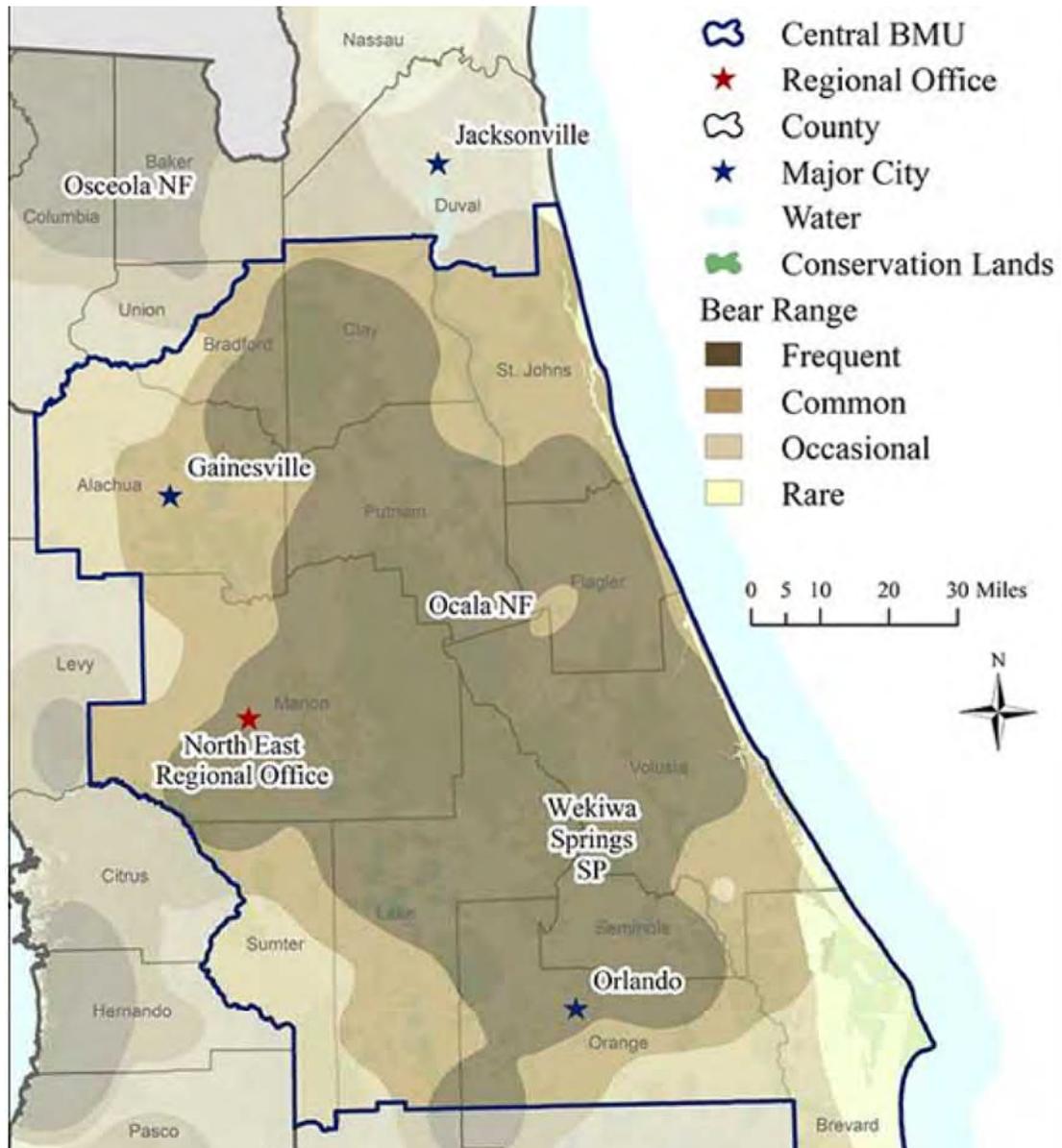
1. The applicant or designated agent will post educational posters in the construction office and throughout the construction site, including any access roads. The posters must be clearly visible to all construction staff. A sample poster is attached.
2. Prior to the onset of construction activities, the applicant/designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational brochure including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office (a final brochure for Plan compliance, to be printed double-sided on 8.5" x 11" paper and then properly folded, is attached). Photos of eastern indigo snakes may be accessed on USFWS and/or FWC websites.
3. Construction staff will be informed that in the event that an eastern indigo snake (live or dead) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Field Office. The contact information for the USFWS is provided on the referenced posters and brochures.

## **DURING CONSTRUCTION ACTIVITIES**

1. During initial site clearing activities, an onsite observer may be utilized to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
2. If an eastern indigo snake is discovered during gopher tortoise relocation activities (i.e. burrow excavation), the USFWS shall be contacted within one business day to obtain further guidance which may result in further project consultation.
3. Periodically during construction activities, the applicant's designated agent should visit the project area to observe the condition of the posters and Plan materials, and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.

## **POST CONSTRUCTION ACTIVITIES**

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion. The report can be sent electronically to the appropriate USFWS e-mail address listed on page one of this Plan.



## APPENDIX E

### National Wetlands Inventory Maps and FEMA Floodplains Maps



June 4, 2020

### Wetlands

- |                                                                                     |                                |                                                                                     |                                   |                                                                                       |          |
|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|  | Freshwater Pond                |  |                                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

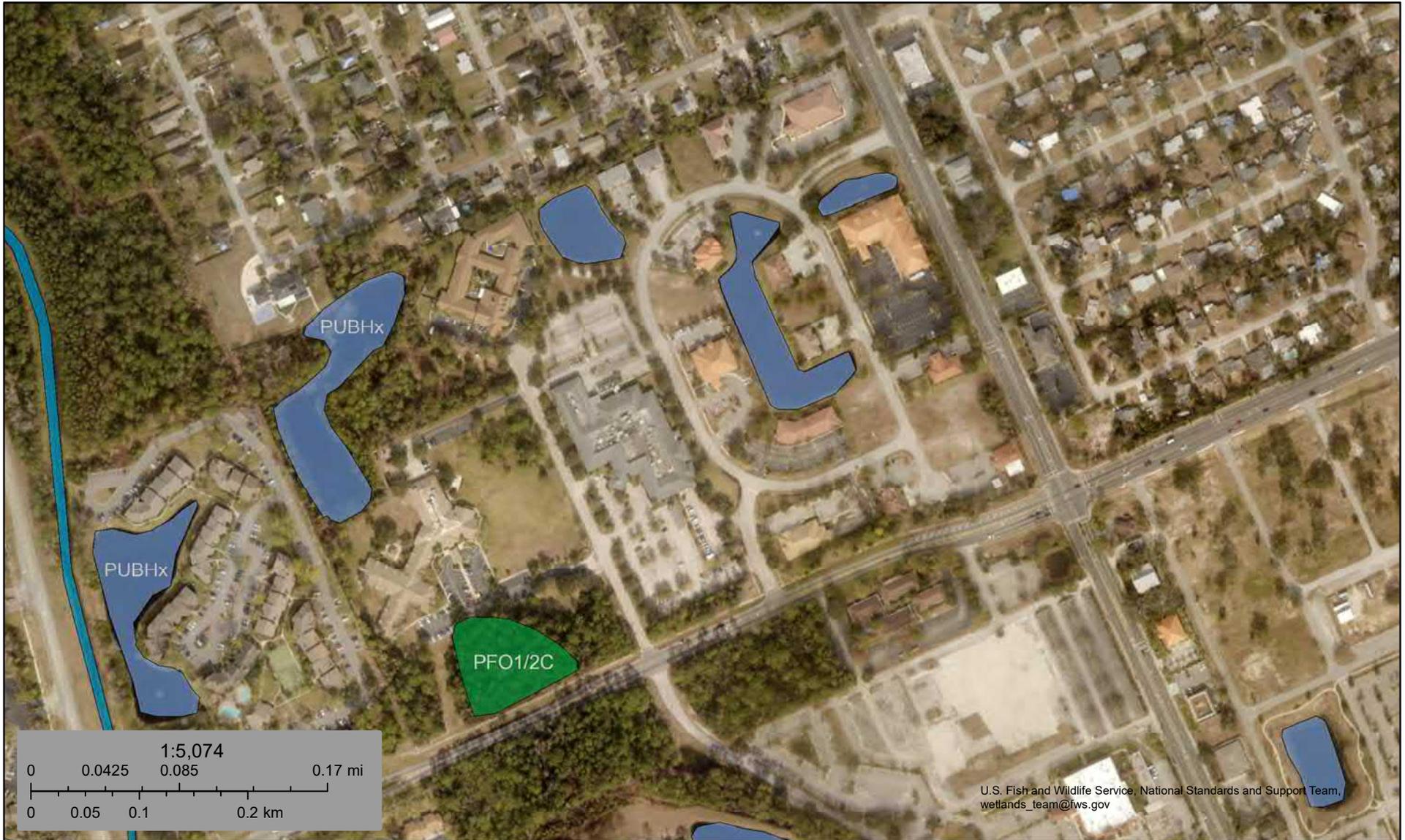


June 4, 2020

### Wetlands

- |  |                                |  |                                   |  |       |
|--|--------------------------------|--|-----------------------------------|--|-------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake  |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other |
|  | Freshwater Pond                |  | Riverine                          |  |       |

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June 4, 2020

### Wetlands

- |                                                                                     |                                |                                                                                     |                                   |                                                                                       |          |
|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|  | Freshwater Pond                |  |                                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# National Flood Hazard Layer FIRMette



29° 14'40.15"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
OTHER FEATURES		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

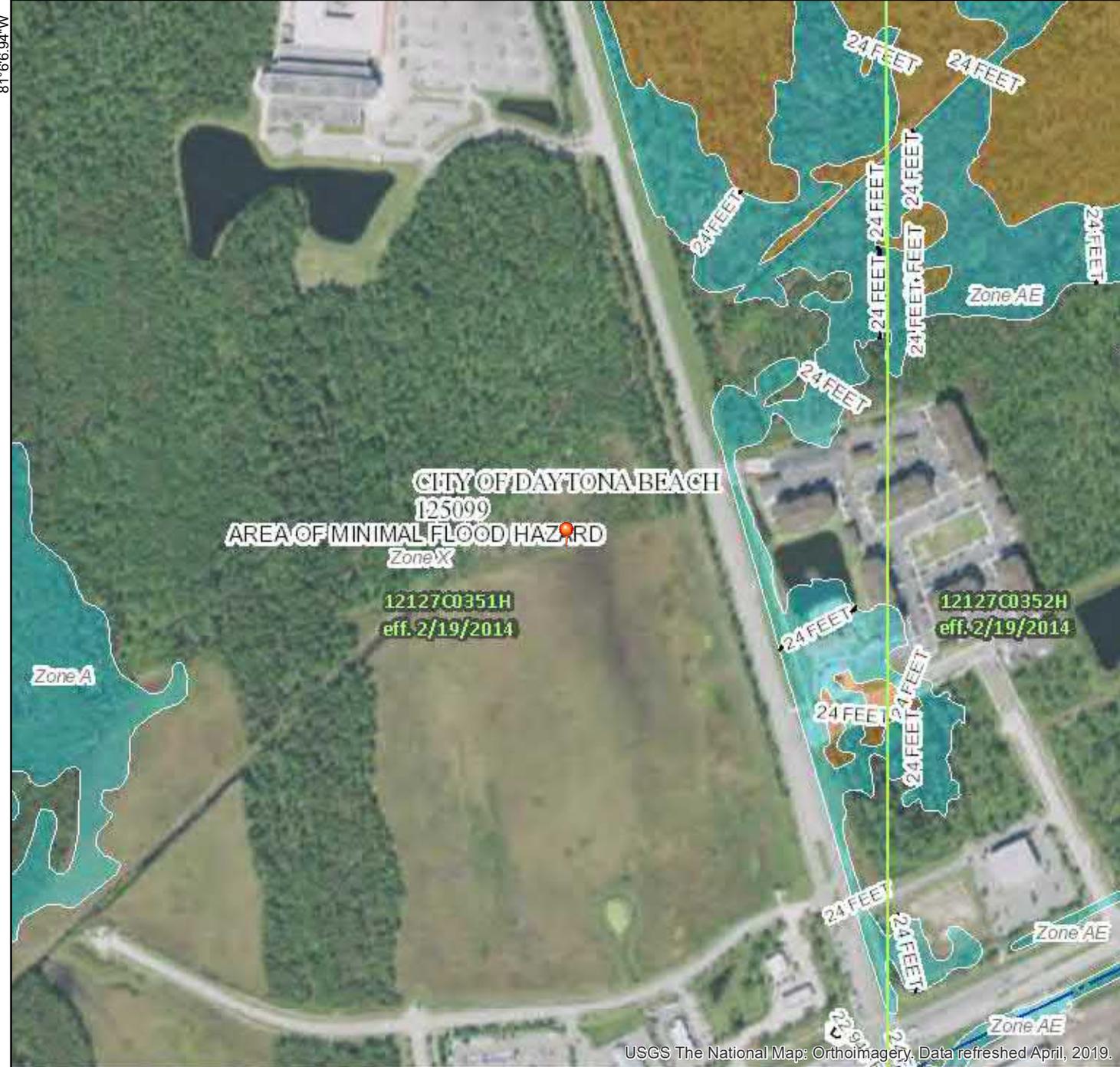
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/4/2020 at 11:38:39 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# National Flood Hazard Layer FIRMette



29° 13' 56.95" N



USGS The National Map: Orthoimagery, Data refreshed April, 2019. 0 250 500 1,000 1,500 2,000 Feet 1:6,000 29° 13' 25.55" N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/4/2020 at 11:41:01 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

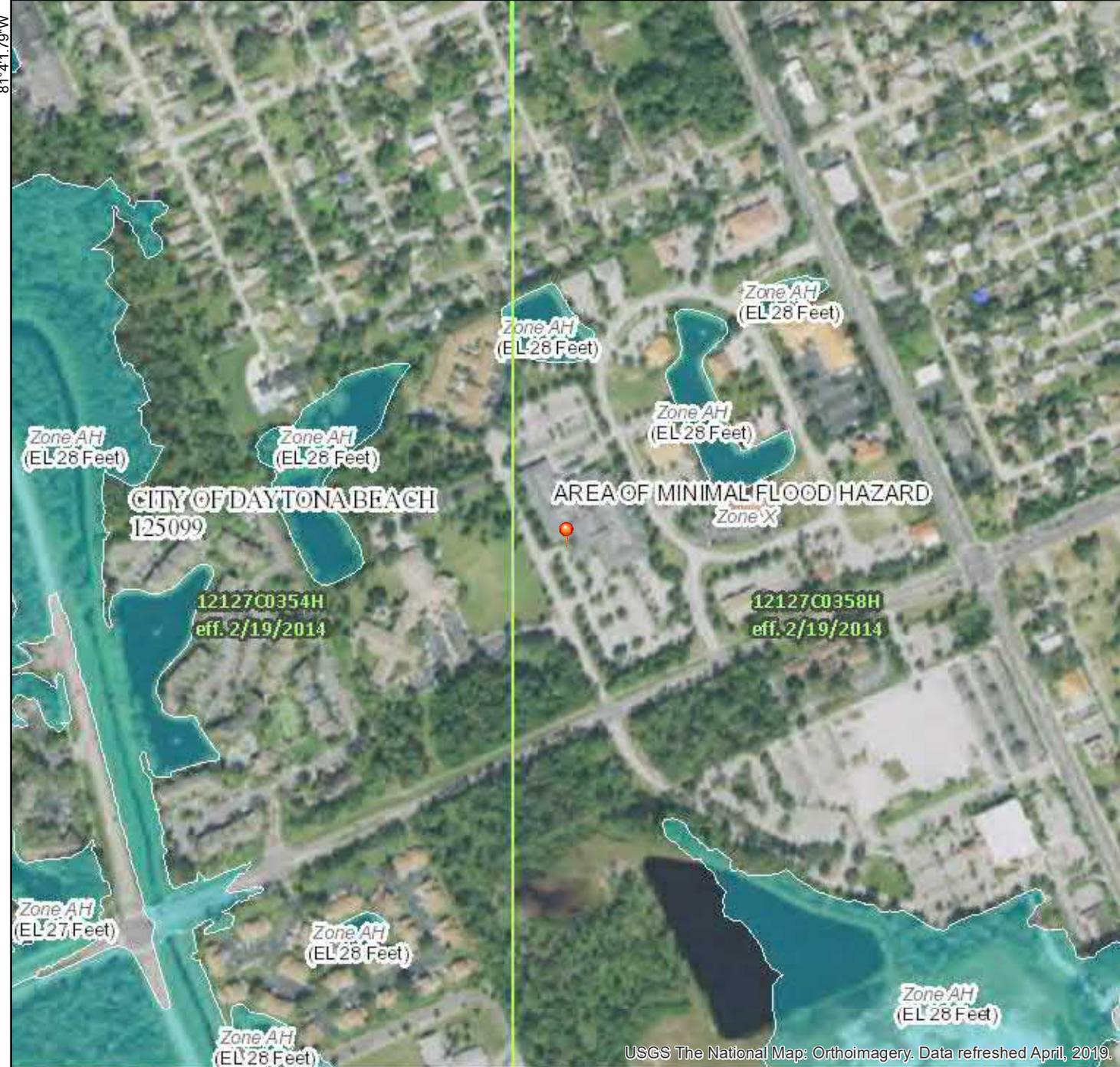
81° 6' 6.94" W

81° 5' 29.48" W

# National Flood Hazard Layer FIRMette



29° 12' 38.15" N



USGS The National Map: Orthoimagery. Data refreshed April, 2019. 1:6,000 29° 12' 6.74" N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect

OTHER FEATURES		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/4/2020 at 11:42:45 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

81° 41' 1.79" W

81° 24' 34" W



0 250 500 1,000 1,500 2,000 Feet

**APPENDIX F**  
**Volusia County Traffic Information**

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT	2015 AADT	2016 AADT	2017 AADT	2018 AADT	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity
Rd Name	Limits	Cnt Sta	EVAC2014	MainRes	Tfare17	Distance	Lanes_17	Lanes_18	SPD2013	Direction	F_Type_17	Fun_Class_2010	AADT_09	AADT_10	AADT_11	AADT_12	AADT_13	AADT_14	AADT_15	AADT_16	AADT_17	AADT_18	VCA_LOS_18	Cap_18	VCRatio_18	LOS_18	PMPKHR	2W_Cap_18
I-4	SR 46 to Volusia Co.	0266-S	Yes	FDOT	Yes	1.90	6	6	65	E+W	UA FWIS 6L + AUX	Principal Arterial - Interstate - Urban	108,000	115,000	109,500	103,000	107,500	114,500	125,500	128,500	137,500	139,500	D	131,800	1.06	D	10,120	11,860
I-4	Seminole Co. to Dirksen Dr.	484	Yes	FDOT	Yes	3.58	6	6	65	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	107,500	111,500	102,500	106,500	108,000	110,000	113,000	110,000	112,000	114,000	D	111,800	1.02	E	n/a	10,060
I-4	Dirksen Dr. to Saxon Blvd.	9906	Yes	FDOT	Yes	2.79	6	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	94,700	95,400	93,600	93,900	96,400	99,800	106,510	108,000	-	-	D	111,800	1.01	D	n/a	10,060
I-4	Saxon Blvd. to SR 472	1003	Yes	FDOT	Yes	3.15	6	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	53,500	86,500	79,500	88,000	88,500	89,500	92,500	90,000	92,000	94,000	D	111,800	0.84	C	n/a	10,060
I-4	SR 472 to Orange Camp Rd.	485	Yes	FDOT	Yes	2.12	6	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	75,000	76,000	70,500	77,500	77,000	78,000	80,500	71,000	72,500	74,000	D	111,800	0.66	C	n/a	10,060
I-4	Orange Camp Rd. to SR 44	497	Yes	FDOT	Yes	2.56	6	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	61,500	65,000	62,000	55,500	60,500	65,500	71,500	74,500	77,000	79,000	D	111,800	0.71	C	n/a	10,060
I-4	SR 44 to US 92 Connector	486	Yes	FDOT	Yes	10.31	6	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Rural	56,000	56,000	62,000	55,000	55,000	56,000	57,000	58,000	65,500	65,500	C	93,000	0.70	B	4,779	8,370
I-4	US 92 Connector to I-95	491	Yes	FDOT	Yes	3.52	6	6	70	E+W	UA FWIS 6L	Principal Arterial - Interstate - Urban	45,500	43,000	43,000	40,000	40,000	41,000	41,500	42,000	46,000	47,000	D	111,800	0.42	B	n/a	10,060
I-95	N. of Volusia/Flagler Co. Line	255-F	Yes	FDOT	Yes	6	6	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	63,200	64,700	62,500	63,200	65,100	67,300	66,500	47,000	45,000	45,000	D	111,800	0.41	B	n/a	10,060
I-95	Flagler Co. Line/Old Dixie to US 1	496	Yes	FDOT	Yes	5.00	6	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	66,000	67,000	60,500	64,500	69,500	70,500	72,500	66,000	65,500	62,000	D	111,800	0.59	C	n/a	10,060
I-95	US 1 to SR 40	495	Yes	FDOT	Yes	5.55	6	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	68,500	69,000	62,500	66,500	63,500	64,500	66,000	50,500	47,500	50,500	D	111,800	0.45	B	n/a	10,060
I-95	SR 40 to LPGA Blvd	534	Yes	FDOT	Yes	2.64	6	6	70	N+S	UA FWIS 6L + AUX	Principal Arterial - Interstate - Urban	79,500	68,000	76,000	69,500	70,000	74,000	77,000	85,000	87,000	87,500	D	113,000	0.69	B	5,465	11,860
I-95	LPGA Blvd. to US 92	494	Yes	FDOT	Yes	3.56	6	6	65	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	70,000	70,500	74,500	71,500	71,500	75,500	77,000	66,500	62,500	66,500	D	111,800	0.59	C	n/a	10,060
I-95	US 92 to Beville Rd./I-4	484	Yes	FDOT	Yes	1.26	6	6	65	N+S	UA FWIS 6L + AUX	Principal Arterial - Interstate - Urban	70,000	70,500	74,500	71,500	71,500	75,500	77,000	66,500	62,500	66,500	D	111,800	0.59	B	n/a	11,860
I-95	Beville Rd./I-4 to SR 421 (Dunlawton Ave)	492	Yes	FDOT	Yes	4.57	6	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	52,500	51,000	44,500	42,500	45,000	46,500	47,500	49,500	51,500	-	D	111,800	-	C	-	10,060
I-95	SR 421 (Dunlawton Ave.) to SR 44	133	Yes	FDOT	Yes	6.99	6	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	37,400	38,000	36,600	36,900	36,600	37,700	37,000	40,700	-	-	D	111,800	-	-	-	10,060
I-95	SR 44 to SR 442 (Indian River Blvd.)	503	Yes	FDOT	Yes	4.84	6	6	70	N+S	UA FWIS 6L	Principal Arterial - Interstate - Urban	32,000	32,000	31,000	31,000	32,500	35,000	36,000	46,500	41,500	42,500	D	111,800	0.38	B	n/a	10,060
I-95	SR 442 (Indian River Blvd.) to Brevard Co. Line	0436-B	Yes	FDOT	Yes	11.45	6	6	70	N+S	RUA FW 6L	Principal Arterial - Interstate - Urban/Rural	26,000	24,500	30,500	30,000	26,500	27,500	36,000	29,000	29,000	30,500	C	64,000	0.48	C	2,129	6,720
US 1	N. of Volusia/Flagler Co. Line	0263-F	Yes	FDOT	Yes	4	4	4	65	N+S	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	12,100	11,600	11,200	10,700	10,700	11,000	11,900	12,200	12,700	12,900	D	65,600	0.20	B	n/a	5,900
US 1	Flagler Co. to I-95	536	Yes	FDOT	Yes	1.53	4	4	60	N+S	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	15,200	15,400	15,100	13,400	14,300	14,200	14,900	16,400	16,800	17,200	D	65,600	0.26	B	n/a	5,900
US 1	I-95 to Airport Rd.	351	Yes	FDOT	Yes	2.81	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	21,500	21,500	20,500	19,400	20,200	21,000	22,500	23,000	24,500	23,500	D	39,800	0.59	C	2,109	3,580
US 1	Airport Rd. to Nova Rd.	100	Yes	FDOT	Yes	1.13	4	4	55	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	25,500	25,500	26,000	22,500	25,500	26,500	26,000	28,500	29,500	30,500	D	39,800	0.77	C	2,701	3,580
US 1	Nova Rd. to SR 40	1019	Yes	FDOT	Yes	1.83	4	4	55	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	17,000	16,800	16,300	16,400	16,600	17,500	18,100	19,300	20,000	19,100	D	39,800	0.48	C	1,656	3,580
US 1	SR 40 to Hand Ave.	5142	Yes	FDOT	Yes	0.84	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	22,500	23,000	21,500	19,000	20,300	20,800	21,500	22,000	23,000	23,500	D	39,800	0.59	C	1,907	3,580
US 1	Hand Ave. to LPGA Blvd.	1018	Yes	FDOT	Yes	2.00	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	26,000	26,000	26,000	21,500	24,000	24,500	23,500	24,500	24,000	25,500	D	39,800	0.64	C	1,948	3,580
US 1	LPGA Blvd. to SR 430 (Mason Ave.)	1018	Yes	FDOT	Yes	1.47	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	26,000	26,000	26,000	21,500	24,000	24,500	23,500	24,500	24,000	25,500	D	32,400	0.79	D	1,948	2,920
US 1	SR 430 (Mason Ave.) to Fairview/Main St.	5074	Yes	FDOT	Yes	0.54	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	29,500	28,500	27,000	27,000	27,500	27,000	28,000	27,000	27,000	26,000	D	32,400	0.80	D	2,040	2,920
US 1	Fairview/Main St. to US 92/ISB	5071	Yes	FDOT	Yes	0.66	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	28,000	27,000	24,000	23,500	26,000	30,500	31,500	-	-	-	D	32,400	-	-	-	2,920
US 1	US 92/ISB to Orange Ave.	5070	Yes	FDOT	Yes	0.30	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	29,000	28,000	28,000	26,000	29,000	26,500	27,500	31,000	28,500	29,500	D	32,400	0.91	D	n/a	2,920
US 1	Orange Ave. to Bellevue Ave.	5066	Yes	FDOT	Yes	0.72	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	29,500	28,500	28,000	29,500	28,000	29,500	30,000	29,000	30,000	30,000	D	39,800	0.75	C	n/a	3,580
US 1	Bellevue Ave. to SR 400/Beville Rd.	452	Yes	FDOT	Yes	1.05	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	31,500	30,500	32,500	30,000	29,500	33,000	32,000	34,000	30,500	33,000	D	39,800	0.83	C	2,441	3,580
US 1	SR 400/Beville Rd. to Belwood Ave.	5063	Yes	FDOT	Yes	0.27	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,000	26,000	28,000	27,500	26,000	29,000	30,000	26,000	26,000	27,000	D	39,800	0.68	C	n/a	3,580
US 1	Belwood Ave. to Big Tree Rd.	5062	Yes	FDOT	Yes	0.45	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,000	27,500	26,500	24,500	27,000	29,000	30,000	-	-	-	D	39,800	-	-	-	3,580
US 1	Big Tree Rd. to Reed Canal Rd.	5061	Yes	FDOT	Yes	1.17	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	29,500	29,000	27,500	25,000	26,500	28,500	27,000	28,000	27,000	27,000	D	39,800	0.69	C	2,255	3,580
US 1	Reed Canal Rd. to SR 421 (Dunlawton Ave.)	213	Yes	FDOT	Yes	1.18	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	28,000	25,500	24,500	24,500	24,500	26,500	25,000	28,500	25,500	26,500	D	39,800	0.67	C	n/a	3,580
US 1	SR 421 (Dunlawton Ave.) to Commonwealth to Nova Rd.	5057	Yes	FDOT	Yes	1.37	4	4	40	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	20,500	20,100	20,500	19,600	20,300	20,500	21,500	20,500	20,400	21,000	D	39,800	0.53	C	1,768	3,580
US 1	Commonwealth to Nova Rd.	152	Yes	FDOT	Yes	1.23	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	15,200	15,800	14,100	13,800	13,800	13,200	13,800	15,400	15,700	15,700	D	39,800	0.39	C	1,370	3,580
US 1	Nova Rd. to Art Center Ave.	13	Yes	FDOT	Yes	3.19	4	4	45	N+S	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	20,900	20,100	19,400	19,600	20,500	21,500	21,500	25,000	26,000	25,500	D	65,600	0.39	B	2,199	5,900
US 1																												

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity				
SR A1A - Ocean Shore Blvd.	Flagler Co Line to High Bridge Rd	368	Yes	FDOT	Yes	1.26	2	2	55	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	15,100	15,700	15,500	15,300	15,800	15,500	16,100	15,500	16,200	16,600	D	24,200	0.69	C	n/a	2,170
SR A1A - Ocean Shore Blvd.	High Bridge Rd to Ormond Mall	368	Yes	FDOT	Yes	6.42	2	2	55	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	15,100	15,700	15,500	15,300	15,800	15,500	16,100	15,500	16,200	16,600	D	24,200	0.69	C	n/a	2,170
SR A1A - Ocean Shore Blvd.	Ormond Mall to Neptune Ave	174	Yes	FDOT	Yes	1.69	2	2	40	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	16,400	15,800	18,500	15,100	15,400	15,700	16,000	15,800	16,400	15,000	D	24,200	0.62	C	1,172	2,170
SR A1A - Ocean Shore Blvd.	Neptune Ave to SR 40 (Granada Blvd.)	5125	Yes	FDOT	Yes	0.70	2	2	35	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	17,900	16,800	15,600	12,300	14,000	16,600	17,200	16,200	17,000	17,400	D	24,200	0.72	D	n/a	2,170
SR A1A - Atlantic Ave. North	SR 40 to Harvard Dr.	5124	Yes	FDOT	Yes	1.70	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	19,500	16,500	16,600	17,600	16,400	15,600	16,200	17,200	17,800	19,400	D	39,800	0.49	D	1,399	2,920
SR A1A - Atlantic Ave. North	Harvard Dr. to SR430/Seabreeze Blvd.	5121	Yes	FDOT	Yes	2.53	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	18,500	17,000	17,100	16,400	17,800	18,200	18,900	18,000	17,800	20,300	D	39,800	0.51	D	1,533	2,920
SR A1A - Atlantic Ave. North	SR 430/Seabreeze Blvd. to SR430/Oak	5117	Yes	FDOT	Yes	0.12	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	17,900	19,800	20,800	17,100	15,200	16,300	16,800	20,000	20,800	17,300	D	39,800	0.43	D	1,398	2,920
SR A1A - Atlantic Ave. North	SR 430/Oakridge Blvd. to US 92/ISB	5115	Yes	FDOT	Yes	0.90	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	17,400	17,800	15,200	16,500	17,300	15,300	16,400	15,800	16,600	18,300	D	39,800	0.46	D	1,319	2,920
SR A1A - Atlantic Ave. South	US 92 to Silver Beach Ave.	5112	Yes	FDOT	Yes	0.69	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	12,800	12,200	11,200	12,000	12,700	11,900	12,300	14,200	13,500	15,400	D	39,800	0.39	D	1,194	2,920
SR A1A - Atlantic Ave. South	Silver Beach Ave. to Florida Shores	436	Yes	FDOT	Yes	2.34	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	11,400	10,100	10,700	10,400	12,500	11,900	12,700	12,000	13,500	12,600	D	39,800	0.32	C	992	2,920
SR A1A - Atlantic Ave. South	Florida Shores to Van Ave.	5179	Yes	FDOT	Yes	1.29	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	11,800	16,100	13,800	11,400	12,800	13,200	13,700	13,900	12,800	15,200	D	39,800	0.38	D	1,208	2,920
SR A1A - Atlantic Ave. South	Van Ave. to SR A1A/Dunlawton Ave.	477	Yes	FDOT	Yes	1.05	4	4	35	N+S	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	15,800	15,500	13,700	11,200	12,500	11,800	12,200	13,600	12,600	14,800	D	39,800	0.37	D	1,164	2,920
SR A1A - Dunlawton Ave.	SR A1A/Atlantic Ave. to US 1	427	Yes	FDOT	Yes	1.25	4	4	35	E+W	UA SSAC2 2W 4L D WL	Principal Arterial - Other - Urban	27,000	24,500	27,000	26,000	26,000	28,000	30,000	30,500	22,500	23,500	D	39,800	0.59	D	n/a	2,920
SR 5A - Nova Rd.	US 1 to Wilmette Ave.	459	Yes	FDOT	Yes	1.00	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	13,400	12,800	12,800	12,300	12,400	13,100	13,600	14,000	13,600	14,300	D	39,800	0.36	C	1,147	3,580
SR 5A - Nova Rd.	Wilmette Ave. to SR 40	518	Yes	FDOT	Yes	0.51	6	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	23,000	23,000	24,000	23,500	23,500	24,500	24,000	25,500	25,500	25,500	D	59,900	0.43	C	2,039	5,390
SR 5A - Nova Rd.	SR 40 to Hand Ave.	510	Yes	FDOT	Yes	1.15	6	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	27,500	26,500	24,000	28,500	27,500	25,500	26,500	27,500	28,000	29,000	D	59,900	0.48	C	n/a	5,390
SR 5A - Nova Rd.	Hand Ave. to LPGA Blvd.	528	Yes	FDOT	Yes	2.06	6	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	29,000	29,000	28,000	28,500	26,000	26,500	27,500	29,000	34,000	26,500	D	59,900	0.44	C	1,994	5,390
SR 5A - Nova Rd.	LPGA Blvd. to SR 430/Mason Blvd	366	Yes	FDOT	Yes	1.47	6	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	30,000	29,500	27,500	27,000	25,500	26,500	28,500	29,000	34,500	35,500	D	59,900	0.59	C	n/a	5,390
SR 5A - Nova Rd.	SR 430/Mason Ave. to US 92/ISB	5088	Yes	FDOT	Yes	1.22	6	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	33,500	32,000	30,000	30,000	31,000	31,500	31,000	32,000	36,000	31,500	D	59,900	0.53	C	2,428	5,390
SR 5A - Nova Rd.	US 92/ISB to Bellevue Ave.	5090	Yes	FDOT	Yes	1.07	6	6	45	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	34,500	35,000	32,500	32,000	33,000	32,500	34,500	36,000	35,000	36,000	D	59,900	0.60	C	n/a	5,390
SR 5A - Nova Rd.	Bellevue Ave. to SR 400/Beville Rd.	348	Yes	FDOT	Yes	1.00	6	6	50	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	34,500	35,000	34,000	33,000	33,000	34,500	35,500	37,000	36,500	37,500	D	59,900	0.63	C	3,109	5,390
SR 5A - Nova Rd.	SR 400/Beville Rd. to Big Tree	363	Yes	FDOT	Yes	0.70	6	6	50	N+S	UA SSAC1 2W 6L D WL	Principal Arterial - Other - Urban	27,500	28,500	27,000	25,500	26,500	26,500	26,500	27,000	26,000	27,000	D	59,900	0.45	C	2,122	5,390
SR 5A - Nova Rd.	Big Tree to Madeline Ave.	363	Yes	FDOT	Yes	1.61	5	5	50	N+S	UA SSAC1 2W 5L D WL	Principal Arterial - Other - Urban	27,500	28,500	27,000	25,500	26,500	26,500	26,500	27,000	26,000	27,000	D	49,850	0.54	C	2,122	4,490
SR 5A - Nova Rd.	Madeline Ave. to SR 421/Dunlawton Ave.	1017	Yes	FDOT	Yes	1.30	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	26,500	27,000	26,500	25,500	26,000	27,000	28,000	26,500	27,500	27,000	D	39,800	0.68	C	2,175	3,580
SR 5A - Nova Rd.	SR 421/Dunlawton Ave. to Spruce Creek	1016	Yes	FDOT	Yes	1.08	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	25,000	25,500	23,500	25,000	24,500	26,000	27,000	26,000	29,500	25,000	D	39,800	0.63	C	1,982	3,580
SR 5A - Nova Rd.	Spruce Creek Rd. to US 1	458	Yes	FDOT	Yes	1.44	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	16,700	16,900	16,800	16,300	16,800	17,900	17,200	17,800	19,100	18,800	D	39,800	0.47	C	1,501	3,580
SR 11	CR 304 (in Flagler Co.) to SR 40	0009-F		FDOT	Yes	2.42	2	2	60	N+S	RUA UFH 2W 2L U OL	Principal Arterial - Other - Rural	2,400	2,200	2,000	2,200	2,100	2,400	2,400	2,800	2,800	2,700	C	6,300	0.43	B	229	590
SR 11	SR 40 to CR 15A	527	Yes	FDOT	Yes	9.19	2	2	60	N+S	RUA UFH 2W 2L U OL	Principal Arterial - Other - Rural	2,600	2,600	2,700	2,700	2,800	2,900	3,100	3,400	3,700	3,900	C	6,300	0.62	C	404	590
SR 11	CR 15A to US 17	4	Yes	FDOT	Yes	2.45	2	2	55	N+S	UA UFH 2W 2L U WL	Principal Arterial - Other - Urban	6,400	6,000	6,100	6,000	6,300	6,200	6,400	7,700	6,900	7,100	D	24,200	0.29	B	569	2,170
SR 15A	US 17 to Glenwood Rd	466	Yes	FDOT	Yes	1.11	4	4	50	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	10,800	10,700	10,300	10,200	10,600	10,500	10,900	10,900	12,200	12,600	D	37,900	0.33	C	n/a	3,580
SR 15A	Glenwood Rd. to CR 92	465	Yes	FDOT	Yes	1.20	4	4	50	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	14,000	13,800	13,800	13,100	13,600	13,400	14,000	14,700	15,600	17,400	D	37,900	0.46	C	1,473	3,580
SR 15A	CR 92 to Plymouth Ave.	537	Yes	FDOT	Yes	0.83	4	4	50	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	22,000	22,000	22,500	18,900	21,500	20,800	21,500	21,800	25,500	24,000	D	37,900	0.63	C	2,033	3,580
SR 15A	Plymouth Ave. to SR 44/New York Ave.	463	Yes	FDOT	Yes	1.01	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	25,500	23,800	21,900	23,000	23,000	25,000	25,000	26,000	27,000	28,000	D	37,900	0.74	C	2,132	3,580
SR 15A	SR 44/New York Ave. to Beresford Ave.	474	Yes	FDOT	Yes	1.00	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	22,500	22,500	21,500	21,000	22,000	22,000	24,000	25,000	25,500	26,500	D	37,900	0.70	C	n/a	3,580
SR 15A	Beresford Ave. to New Hampshire Ave.	6	Yes	FDOT	Yes	0.59	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	20,000	19,200	21,000	20,500	21,000	20,100	23,000	23,500	24,000	26,000	D	37,900	0.69	C	1,981	3,580
SR 15A	New Hampshire Ave. to US 17/92	1005	Yes	FDOT	Yes	1.17	4	4	45	N+S	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	21,000	19,100	19,700	19,000	20,500	21,000	21,900	22,500	25,000	26,000	D	37,900	0.69	C	1,944	3,580
SR 40	W. of the St. Johns River	0050-L	Yes	FDOT	Yes		2	2	45	E+W	RDA UFH 2W 2L U WL	Principal Arterial - Other - Rural	7,500	7,100	6,800	6,400	7,300	8,000	8,700	8,100	8,200	8,000	C	16,400	0.49	B	678	1,550
SR 40	Lake County to Emporia Rd.	533	Yes	FDOT	Yes	0.86	2	2	55	E+W	RDA UFH 2W 2L U WL	Principal Arterial - Other - Rural	7,700	6,800	7,000	6,800	6,300	6,800	7,000	8,700	8,500	9,800	C	16,400	0.60	C	749	1,550
SR 40	Emporia Rd. to US 17	344	Yes	FDOT	Yes	5.58	2	2	55	E+W	RDA UFH 2W 2L U WL	Principal Arter																

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way Hour	2018 PM PEAK LOS Capacity	
SR 430 - Oakridge Blvd. - EB	Beach St. to Peninsula Dr	5194		FDOT	Yes	0.70	2	2	40	E+W	UA SSAC1 1W 2L D WL	Minor Arterial - Urban	5,800	6,000	5,900	5,300	5,600	5,900	6,400	7,200	6,500	7,500	D	23,880	0.31	C	511	2,150	
SR 430 - Oakridge Blvd. - EB	Peninsula Dr to SR A1A/Atlantic	5195		FDOT	Yes	0.28	2	2	40	E+W	UA SSAC1 1W 2L D WL	Minor Arterial - Urban	5,500	4,800	4,700	3,600	4,100	4,200	4,400	4,600	5,400	6,000	D	23,880	0.25	C	416	2,150	
SR 430 - Seabreeze Bridge - WB	Beach St. to Peninsula Dr	5186	Yes	FDOT	Yes	1.01	2	2	40	E+W	UA SSAC1 1W 2L D WL	Minor Arterial - Urban	7,800	6,800	8,100	7,100	7,200	6,400	6,600	-	-	-	-	D	23,880	-	-	n/a	2,150
SR 430 - Seabreeze Bridge - WB	Peninsula Dr to SR A1A/Atlantic	5191	Yes	FDOT	Yes	0.29	2	2	30	E+W	UA SSAC2 1W 2L D WL	Minor Arterial - Urban	6,300	5,000	5,300	4,300	4,900	4,900	5,100	5,800	6,400	7,000	D	19,440	0.36	C	504	1,400	
SR 441 - Peninsula Dr.	US 92/ISB to Silver Beach Ave.	5187		FDOT	Yes	0.65	2	2	35	N+S	UA SSAC1 2W 2L U WL	Minor Arterial - Urban	9,900	9,400	8,700	9,400	9,300	8,300	8,700	9,000	8,800	8,800	D	17,700	0.50	C	756	1,600	
SR 441 - Peninsula Dr.	Silver Beach Ave. to Florida Shores	5187		FDOT	Yes	2.34	2	2	35	N+S	UA SSAC1 2W 2L U WL	Minor Arterial - Urban	9,900	9,400	8,700	9,400	9,300	8,300	8,700	9,000	8,800	8,800	D	17,700	0.50	C	756	1,600	
SR 441 - Peninsula Dr.	Florida Shores to SR A1A/Dunlawton	5188		FDOT	Yes	2.42	2	2	40	N+S	UA SSAC1 2W 2L U WL	Minor Arterial - Urban	6,100	6,000	5,600	5,300	5,400	5,600	5,400	5,600	5,900	5,700	D	17,700	0.32	C	539	1,600	
SR 442 - Indian River Blvd.	I-95 to Air Park Rd.	170	Yes	FDOT	Yes	2.09	4	4	55	E+W	UA SSAC1 2W 4L D WL	Minor Arterial - Urban	9,200	9,300	8,900	9,500	9,200	10,200	10,800	11,400	12,100	12,600	D	39,800	0.32	C	n/a	3,580	
SR 442 - Indian River Blvd.	Air Park Rd. to US 1	5190	Yes	FDOT	Yes	1.69	4	4	45	E+W	UA SSAC1 2W 4L D WL	Minor Arterial - Urban	16,800	17,700	16,400	16,100	16,800	16,400	17,000	17,000	16,600	16,500	D	39,800	0.41	C	1,361	3,580	
SR 472	US 17/92 to CR 4101/MLK Blvd	472		FDOT	Yes	2.31	4	4	60	E+W	UA UFH 2W 4L D WL	Principal Arterial - Other - Urban	19,200	20,200	19,700	20,100	21,000	21,400	23,000	24,000	24,000	24,000	29,000	D	65,600	0.44	B	2,373	5,900
SR 472	CR 4101/MLK Blvd to I-4 (end of state rd)	535		FDOT	Yes	1.10	4	4	60	E+W	UA SSAC1 2W 4L D WL	Principal Arterial - Other - Urban	24,000	24,500	22,000	24,500	24,000	25,500	26,500	29,000	30,000	29,500	D	39,800	0.74	C	2,473	3,580	
SR 483 - Clyde Morris Blvd.	SR 430 (Mason Ave.) to US 92/ISB	5182		FDOT	Yes	1.20	4	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	17,700	18,300	20,000	18,100	18,900	20,000	20,000	20,500	21,000	20,300	D	37,800	0.54	C	1,624	3,400	
SR 483 - Clyde Morris Blvd.	US 92/ISB to Aviation Ctr Pkwy/Bellevue	5193		FDOT	Yes	1.20	4	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	26,500	31,000	30,500	27,000	26,000	32,500	32,000	29,500	32,000	27,000	D	37,800	0.71	C	2,213	3,400	
SR 483 - Clyde Morris Blvd.	Aviation Ctr Pkwy/Bellevue to SR 400/Be	5193		FDOT	Yes	0.98	4	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	26,500	31,000	30,500	27,000	26,000	32,500	32,000	29,500	32,000	27,000	D	37,800	0.71	C	2,213	3,400	
6th St.	Derbyshire Rd. to SR 5A/Nova Rd	11		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,610	2,820	2,980	2,780	2,710	2,750	2,900	2,870	2,620	2,790	E	13,640	0.20	C	250	1,020	
13th St.	Derbyshire Rd. to SR 5A/Nova Rd	31		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,900	2,060	2,090	1,600	1,700	1,760	1,620	1,660	1,570	1,710	E	13,640	0.13	C	160	1,020	
Adelle Ave.	Beresford Ave. to New Hampshire Ave.	43		County	No	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	2,850	2,290	2,530	2,410	2,650	2,640	-	2,840	3,080	3,170	E	13,640	0.23	C	290	1,020	
Adelle Ave.	New Hampshire Ave. to SR 15A	41		County	No	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	300	270	320	320	330	330	-	370	340	350	E	13,640	0.03	C	30	1,020	
Air Park Rd.	Park Ave. to Ragis Rd	52		County	Yes	0.87	2	2	40	N+S	UA UFH 2W 2L U 0L	Minor Collector - Urban	2,030	1,700	2,030	2,100	2,270	2,420	2,330	2,500	2,470	2,640	E	24,975	0.11	B	210	2,240	
Air Park Rd.	Ragis Rd. to SR 442	50		County	Yes	0.55	2	2	40	N+S	UA UFH 2W 2L U 0L	Minor Collector - Urban	1,340	1,840	1,470	1,840	2,060	2,100	2,150	2,350	2,630	2,600	E	24,975	0.10	B	220	2,240	
Airport Rd. (OB)	Tymer Creek Rd. to Pineland Tr.	60		County	Yes	2.05	2	2	35	E+W	UA UFH 2W 2L U 0L	Major Collector - Urban	5,630	5,290	5,020	5,680	5,230	4,880	5,080	6,400	6,660	6,850	E	24,975	0.27	B	680	2,240	
Airport Rd. (OB)	Pineland Tr. to Sunshine Blvd.	62		County	Yes	1.40	2	2	45	N+S	UA UFH 2W 2L U 0L	Major Collector - Urban	4,490	4,460	4,400	5,040	4,670	4,960	4,090	5,530	5,400	6,090	E	24,975	0.24	B	610	2,240	
Airport Rd. (OB)	Sunshine Blvd. to US 1	63		County	Yes	0.30	2	2	35	E+W	UA UFH 2W 2L U 0L	Major Collector - Urban	7,190	6,640	6,780	7,640	7,090	7,360	6,460	8,350	6,260	8,960	E	24,975	0.36	C	860	2,240	
Airport Rd. (PO)	Williamson Blvd to Pioneer Tr.	64		County	Yes	2.50	2	2	45	N+S	UA UFH 2W 2L U WL	Major Collector - Urban	5,410	5,440	6,000	6,160	6,040	6,120	7,690	8,430	7,590	7,170	E	33,300	0.22	B	620	2,990	
Airport Rd. (NSB)	Pioneer Tr. to Luna Bella Ln	67		City	Yes	1.60	2	2	45	N+S	UA UFH 2W 2L D WL	Major Collector - Urban	2,730	2,690	3,110	3,300	3,320	3,550	3,930	4,570	7,590	4,180	E	34,965	0.12	B	350	3,140	
Airport Rd. (NSB)	Luna Bella Ln to SR 44	68		City	Yes	1.80	2	2	45	N+S	UA UFH 2W 2L D WL	Major Collector - Urban	2,730	1,040	2,250	2,610	2,770	3,270	3,760	4,780	7,590	5,150	E	34,965	0.15	B	430	3,140	
Amelia Ave.	US 92 to Plymouth Ave	77		County	Yes	0.85	2	2	35	N+S	UA NSSRC2 2W 2L U WL	Major Collector - Urban	7,920	7,340	6,610	6,080	6,700	6,980	6,050	7,430	7,050	6,870	E	14,040	0.49	C	620	1,270	
Amelia Ave.	Plymouth Ave. to Minnesota Ave.	75		County	Yes	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U WL	Major Collector - Urban	12,620	11,570	10,610	10,230	10,590	10,630	9,170	11,890	11,500	12,840	E	14,040	0.91	D	1,150	1,270	
Amelia Ave.	Minnesota Ave. to Ohio Ave.	74		County	Yes	0.15	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	12,300	11,440	10,310	10,260	10,380	10,320	9,310	11,630	11,140	12,110	E	13,640	0.89	D	990	1,020	
Amelia Ave.	Ohio Ave. to SR 44	73		County	Yes	0.15	4	4	30	N+S	UA NSSRC2 2W 4L U 0L	Major Collector - Urban	11,900	10,810	10,380	10,580	10,650	10,430	9,410	10,990	11,250	11,780	E	22,820	0.52	C	1,010	2,060	
Amelia Ave. (DeLand)	SR 44 to Voorhis Ave.	797063		City	No	0.25	4	4	30	N+S	UA NSSRC2 2W 4L U 0L	Major Collector - Urban	9,570	9,260	8,590	8,920	9,669	6,400	6,800	6,900	7,300	7,500	E	22,820	0.33	C	n/a	2,060	
Amelia Ave. (DeLand)	Voorhis Ave. to Beresford Ave.	797063		City	No	0.75	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	7,280	6,650	7,000	7,070	6,940	6,400	6,600	6,900	7,300	7,500	E	13,640	0.55	D	n/a	1,020	
Anderson Dr./Cloverleaf Blvd. (DeLand)	Cloverleaf Blvd. to Providence Blvd.	DEL-85		City	No	1.00	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c		DEL	-	-	-	3,030	3,030	-	-	3,251	D	10,660	0.30	C	287	960	
Ariel Rd.	Beacon Light Rd. to US 1	91		County	No	1.20	2	2	35	E+W	RUA UFH 2W 2L U 0L	n/c	530	500	560	540	540	540	640	670	550	690	C	6,300	0.11	B	60	590	
Arredondo Grant Rd.	Spring Garden Ranch Rd. to James St.	100		County	Yes	0.60	2	2	30	E+W	RUA UFH 2W 2L U 0L	Major Collector - Urban/Rural	1,130	1,050	1,100	1,140	1,020	1,000	-	1,030	1,150	1,230	C	6,300	0.20	B	120	590	
Arredondo Grant Rd.	James St. to SR 11	101		County	Yes	2.00	2	2	35	E+W	RUA UFH 2W 2L U 0L	Major Collector - Rural	460	450	510	580	600	610	-	700	780	810	C	6,300	0.13	B	90	590	
Atlantic Ave. (DBS)	SR A1A/Dunlawton Ave. to Phillis Ave.	115	Yes	County	Yes	0.40	4	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Collector - Urban	12,400	14,380	9,170	13,680	13,050	12,920	14,770	15,190	13,540	12,970	E	30,420	0.43	D	990	2,740	
Atlantic Ave. (DBS)	Phillis Ave. to Marcelle Ave.	113	Yes	County	Yes	0.75	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	10,110	12,930	8,250	11,990	11,780	11,450	11,850	12,920	12,330	9,970	E	14,740	0.68	D	770	1,330	
Atlantic Ave. (DBS)	Marcelle Ave. to Major St	111	Yes	County	Yes	1.30	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	8,580	10,480	6,780	9,420	9,420	9,260	9,600	9,670	7,820	7,680	E	13,640	0.56	D	610	1,020	
Atlantic Ave. (PI)	Major St to Beach St	110	Yes	County	Yes	2.80	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,410	3,190	1,760	2,930	2,910	2,630	8,840	3,310	3,420	3,000	E	13,640	0.22	D	210	1,020	
Atlantic Ave/Turtle Mound Rd (NSB)	Flagler Ave. (N. Causeway) to 6th Ave.	797084																											

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity
Blackwelder Rd.	Lake Winona Rd. to SR 11	221		County	No	3.25	2	2	35	E+W	RUA UFH 2W 2L U 0L	n/c	240	190	180	180	170	170	220	210	150	210	E	6,300	0.03	B	20	590
Blue Lake Ave.	Plymouth Ave. to Minnesota Ave.	237		County	Yes	1.00	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	5,090	5,100	5,780	5,380	5,200	5,670	5,680	5,790	6,750	7,750	E	13,640	0.57	C	760	1,230
Blue Lake Ave.	Minnesota Ave. to SR 44	236		County	Yes	0.55	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,920	3,760	4,330	4,190	4,060	4,500	3,880	4,200	5,380	4,920	E	13,640	0.36	C	500	1,020
Blue Lake Ave.	SR 44 to Voorhis Ave.	235		County	Yes	0.25	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,260	3,200	3,480	3,520	3,370	3,520	3,550	3,570	3,900	4,560	E	13,640	0.33	C	440	1,020
Blue Lake Ave.	Voorhis Ave. to Beresford Ave.	234		County	Yes	0.75	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,950	3,940	4,180	4,310	4,010	3,750	4,480	4,420	4,610	5,290	E	13,640	0.39	D	520	1,020
Blue Lake Ave.	Beresford Ave. to Taylor Rd.	232		County	Yes	1.05	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,970	4,890	5,200	5,730	5,440	5,820	5,080	5,770	6,910	8,240	E	13,640	0.60	C	770	1,230
Blue Lake Ave.	Taylor Rd. to Orange Camp Rd.	231		County	Yes	1.05	2	2	45	N+S	UA NSSRC1 2W 2L U WL	Major Collector - Urban	4,190	4,130	4,110	4,250	3,980	4,180	-	4,660	5,140	4,750	E	17,050	0.28	C	470	1,540
Blue Springs Av (West)	Sparkman Dr to Lawton Dr	239		County	No	0.60	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	7,710	6,120	5,830	5,410	5,080	5,460	4,020	4,200	5,920	5,600	E	13,640	0.41	D	500	1,020
Brownlee Rd.	Raulerson Rd. #1 to Raulerson Rd.	240		County	No	1.70	2	2	35	N+S	RUA UFH 2W 2L U 0L	n/c	100	260	140	180	180	190	160	180	170	190	C	6,300	0.03	B	20	590
Captain Dr. (Deltona)	Lake Helen-Osteen Rd. to Snow Dr	DLT-15.000		City	No	0.50	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	E	13,640	-	-	-	1,020
Captain Dr. (Deltona)	Snow Dr to Courtland Blvd.	DLT-15.010		City	No	1.00	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	E	13,640	-	-	-	1,020
Cardinal Blvd.	SR 421/Dunlawton Ave. to Demotte Ave	245		County	No	0.15	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	-	-	-	-	-	-	1,280	1,690	1,110	1,110	E	13,640	0.08	C	100	1,020
Cardinal Blvd.	Demotte Ave. to Marcelle Ave	260		County	No	0.90	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	4,630	4,830	5,090	5,160	4,740	4,740	5,230	7,190	5,030	5,190	E	13,640	0.38	C	430	1,020
Cardinal Blvd.	Marcelle Ave to Major St.	261		County	No	1.00	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	940	940	790	870	730	820	880	1,330	810	690	E	13,640	0.05	C	60	1,020
Carter Rd.	SR 11 to Marsh Rd.	270		County	No	1.75	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	n/c	1,470	1,540	1,400	1,460	1,420	1,520	-	1,700	1,700	1,800	E	13,640	0.13	C	170	1,230
Cassadaga Rd.	W. Volusia Btlwy. to Macy Ave.	280		County	Yes	1.80	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,170	2,100	1,970	2,190	2,010	1,900	2,260	2,200	2,500	2,400	E	13,640	0.18	C	210	1,230
Catalina Blvd. (Deltona)	Wolfpack Run to Howland Blvd.	DLT-20.010		City	No	1.00	2	2	35	N+S	UA OCCRAC1 2W 2L U 0L	n/c	-	-	-	-	-	3,060	3,060	-	-	-	D	10,660	0.29	C	313	960
Catalina Blvd. (Deltona)	Howland Blvd. to Sixma Rd.	DLT-20.020		City	No	0.50	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	11,700	12,590	12,590	-	-	-	D	10,660	1.01	E	1,002	960
Catalina Blvd. (Deltona)	Sixma Rd. to Lake Helen-Osteen Rd.	DLT-20.030		City	No	0.40	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	9,780	10,630	10,630	-	-	-	-	D	10,660	0.91	D	856	960
Clara Ave.	Beresford Ave. to New Hampshire Ave.	303		County	No	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	1,350	1,910	2,070	2,040	2,270	2,200	-	2,350	3,050	2,860	E	13,640	0.21	C	260	1,020
Clara Ave.	New Hampshire Ave. to SR 15A	301		County	No	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	1,410	1,540	1,640	1,640	1,850	1,870	-	1,820	2,100	2,050	E	13,640	0.15	C	180	1,020
Clifton Rd.	Lake Winona Rd. to SR 11	311		County	No	1.70	2	2	30	E+W	RUA UFH 2W 2L U 0L	n/c	200	180	190	160	170	160	170	230	170	210	C	6,300	0.03	B	20	590
Cloverleaf Blvd./Anderson Dr.	Deltona Blvd. to Anderson Dr.	DLT-25.000		City	No	1.00	2	2	30	N+S	UA OCCRAC1 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	D	10,660	0.22	C	212	960
Clyde Morris Blvd.	SR 40 to Hand Ave	348		County	Yes	0.80	4	4	35	N+S	UA NSSRC2 2W 4L D WL	Principal Arterial - Other - Urban	12,220	13,030	12,340	11,940	11,230	11,670	12,230	12,130	12,460	14,400	E	30,420	0.47	D	1,390	2,740
Clyde Morris Blvd.	Hand Ave. to LPGA Blvd.	343		County	Yes	1.50	4	4	50	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	11,970	13,000	14,070	13,560	12,280	13,520	13,440	15,250	15,620	15,440	E	37,970	0.41	C	1,280	3,410
Clyde Morris Blvd.	LPGA Blvd. to Bill France Blvd.	341		County	Yes	1.25	4	4	50	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	12,660	13,690	13,450	12,880	12,290	13,370	14,540	13,480	15,910	16,280	E	37,970	0.43	C	1,260	3,410
Clyde Morris Blvd.	Bill France Blvd. to Mason Ave.	338		County	Yes	0.60	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	12,610	13,630	13,140	12,310	11,990	12,960	13,930	14,960	14,750	17,520	E	37,970	0.46	C	1,350	3,410
Clyde Morris Blvd./SR 483	SR 430/Mason Ave. to US 92	5182		FDOT	Yes	1.20	4	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	17,700	18,300	20,000	18,100	18,900	20,000	20,000	20,500	21,000	20,300	D	37,800	0.54	C	1,624	3,400
Clyde Morris Blvd./SR 483	US 92 to Beville Rd.	5193		FDOT	Yes	2.00	4	4	45	N+S	UA SSAC1 2W 4L U WL	Principal Arterial - Other - Urban	26,500	31,000	30,500	27,000	26,000	32,500	32,000	29,500	32,000	27,000	D	37,800	0.71	C	2,213	3,400
Clyde Morris Blvd.	Beville Rd. to Big Tree Rd.	337		County	Yes	0.90	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	23,350	23,290	24,600	22,880	21,790	23,460	21,760	23,500	24,140	24,280	E	37,970	0.64	C	1,970	3,410
Clyde Morris Blvd.	Big Tree Rd. to Madeline Ave.	335		County	Yes	1.00	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	21,970	23,010	24,200	22,260	20,800	22,910	25,110	20,770	24,230	24,230	E	37,970	0.57	C	1,810	3,410
Clyde Morris Blvd.	Madeline Ave. to Willow Run Blvd.	333		County	Yes	1.30	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	21,200	22,130	22,750	21,460	20,000	21,710	20,770	22,480	23,240	24,390	E	37,970	0.64	C	1,980	3,410
Clyde Morris Blvd.	Willow Run Blvd. to SR 421/Dunlawton	332		County	Yes	0.65	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Principal Arterial - Other - Urban	19,810	19,890	21,310	19,060	18,420	19,280	21,080	21,990	20,230	21,070	E	37,970	0.55	C	1,650	3,410
Clyde Morris Blvd.	SR 421/Dunlawton Ave to Taylor Rd.	330		County	Yes	0.95	2	2	40	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	10,300	10,530	10,060	9,900	9,190	9,390	8,810	11,220	10,440	10,520	E	17,050	0.62	C	880	1,540
Commonwealth Blvd.	Spruce Creek Rd. to Orange Ave.	360		County	No	0.55	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	5,210	5,380	5,250	5,450	5,220	5,180	5,460	5,450	5,530	5,430	E	13,640	0.40	D	420	1,020
Commonwealth Blvd.	Orange Ave. to US 1	361		County	No	0.35	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,460	3,590	3,670	3,540	3,520	3,620	3,890	3,920	3,840	3,680	E	13,640	0.27	C	310	1,020
CR 3	US 17 to Washington Ave.	386		County	Yes	2.20	2	2	35	N+S	RDA UFH 2W 2L U 0L	Minor Collector - Rural	1,220	1,200	1,040	1,100	1,060	1,250	1,160	1,330	1,100	1,140	C	12,300	0.09	B	100	1,160
CR 3	Washington Ave. to Emporia Rd	384		County	Yes	1.20	2	2	30	N+S	RDA UFH 2W 2L U 0L	Minor Collector - Rural	1,980	1,870	1,650	1,680	1,660	1,580	1,750	2,190	2,300	2,130	C	12,300	0.17	B	170	1,160
CR 3	Emporia Rd to SR 40	382		County	Yes	3.40	2	2	45	N+S	RDA UFH 2W 2L U 0L	Minor Collector - Rural	880	760	700	680	720	690	-	890	1,030	1,060	C	12,300	0.09	B	80	1,160
CR 3	SR 40 to Lake Winona Rd.	380		County	Yes	5.04	2	2	35	N+S	RDA UFH 2W 2L U 0L	n/c	680	690	670	610	680	680	-	870	850	910	C	12,300	0.07	B	90	1,160
CR 3	Lake Winona Rd. to Ponce DeLeon Blvd	380		County	Yes	0.45	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	n/c	680	690	670	610	690	680	-	870	850	910	E	12,740	0.07	B	90	1,230
CR 15A	US 17 to Airport Rd.	440		County	Yes	0.90	2	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	4,380	4,300	4,220	4,160	3,980	4,120	-	4,770	4,810	4,720	E	24,9				

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity	
Dunn/George Engram/Fairview/Ma	Bill France Blvd. to Clyde Morris Blvd.	718(DB-54)		County	Yes	0.85	2	2	35	E+W	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	12,430	12,740	11,350	11,530	11,350	12,080	12,880	12,880	10,510	14,510	E	14,040	1.03	F	1,180	1,270	
Dunn/George Engram/Fairview/Ma	Clyde Morris Blvd. to Nova Rd.	719(DB-46)		County	Yes	1.00	4	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	11,410	11,590	10,550	10,400	10,150	10,730	10,640	10,870	10,800	11,500	E	37,970	0.30	C	930	3,410	
Dunn/George Engram/Fairview/Ma	Nova Rd. to US 1	720		County	Yes	1.20	4	4	35	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	11,790	12,090	10,430	10,310	10,230	10,830	9,640	10,550	10,750	11,790	E	30,420	0.39	C	970	2,740	
Dunn/George Engram/Fairview/Ma	US 1 to Beach St	631		County	Yes	0.40	2	2	30	E+W	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	5,500	5,670	5,570	5,060	5,380	4,990	5,880	5,350	5,620	6,080	E	14,040	0.43	C	500	1,270	
Dunn/George Engram/Fairview/Ma	Beach St. to Peninsula Dr.	1170		County	Yes	0.60	2	2	30	E+W	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	6,220	6,710	6,980	6,330	6,560	6,190	8,020	7,190	7,440	8,410	E	14,040	0.60	D	680	1,270	
Dunn/George Engram/Fairview/Ma	Peninsula Dr. to SR A1A	1171		County	Yes	0.35	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Arterial - Urban	5,360	5,870	6,010	5,700	5,540	5,210	4,210	6,540	6,990	6,350	E	13,640	0.47	D	530	1,020	
Elkcam Blvd. (Deltona)	Normandy Blvd. to Ft. Smith Blvd.	DLT-45.000		City	No	1.50	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	-	-	7,500	7,850	7,850	-	-	-	D	10,660	0.81	D	723	960	
Elkcam Blvd. (Deltona)	Ft. Smith Blvd. to Providence Blvd.	DLT-45.010		City	No	1.00	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	-	-	6,130	6,280	6,280	-	-	-	D	10,660	0.60	D	538	960	
Elkcam Blvd. (Deltona)	Providence Blvd. to Monticello Ave.	DLT-45.020		City	No	1.05	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	-	-	10,080	10,170	10,170	-	-	-	D	10,660	0.80	D	742	960	
Elkcam Blvd. (Deltona)	Monticello Ave. to Howland Blvd.	DLT-45.040		City	No	1.00	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	-	-	9,930	10,230	10,230	-	-	-	D	10,660	0.84	D	863	960	
Elkcam Blvd. (Deltona)	Howland Blvd. to Lake Helen-Osteen Rd	DLT-45.050		City	No	0.15	2	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	-	-	-	10,530	10,750	10,750	-	-	-	D	13,990	0.78	D	960	1,260	
Elkcam Blvd. (Deltona)	Lake Helen-Osteen Rd to Courtland Blvd	DLT-45.060		City	No	0.70	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	-	-	-	-	6,900	7,190	7,190	-	-	-	D	10,660	0.76	D	720	960	
Elkcam Blvd. (Deltona)	Courtland Blvd. to Riverhead Dr.	DLT-45.080		City	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U OL	n/c	-	-	-	-	480	500	500	-	-	-	D	10,660	0.05	C	47	960	
Emporia Rd.	SR 40 to Peterson/Blackburn	560		County	Yes	3.00	2	2	40	N+S	RUA UFH 2W 2L U OL	Minor Collector - Rural	850	860	890	720	690	660	-	-	910	860	D	6,300	0.13	B	80	590	
Emporia Rd.	Peterson/Blackburn to US 17	564		County	Yes	1.45	2	2	40	E+W	RUA UFH 2W 2L U OL	Minor Collector - Rural	1,420	1,880	1,280	1,230	1,320	1,060	-	-	1,250	1,220	C	6,300	0.18	B	100	590	
Enterprise Ave. (NSB)	Pioneer Tr. to Halleck St.	570		County	Yes	0.10	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	7,210	7,640	7,460	7,000	7,740	7,900	8,210	8,550	9,760	9,230	E	13,640	0.68	D	790	1,020	
Enterprise Rd.	US 17/92 to Harley Strickland Blvd.	586		County	Yes	0.50	4	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	23,210	22,160	22,090	20,900	19,330	20,650	20,860	21,370	21,970	23,760	E	30,420	0.78	D	1,870	2,740	
Enterprise Rd.	Harley Strickland Blvd. to Saxon Blvd.	585		County	Yes	0.50	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	25,340	23,250	23,670	22,790	20,710	22,110	23,120	23,900	23,240	19,220	E	37,970	0.51	C	1,510	3,410	
Enterprise Rd.	Saxon Blvd. to Highbanks Rd.	584		County	Yes	1.55	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	24,490	23,470	23,460	23,750	21,590	23,790	20,550	20,510	25,710	19,820	E	37,970	0.52	C	1,530	3,410	
Enterprise Rd.	Highbanks Rd. to Deltona Blvd.	582		County	Yes	0.50	4	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	14,990	12,530	15,330	14,620	14,110	15,010	15,820	14,130	16,650	16,720	E	30,420	0.55	D	1,330	2,740	
Enterprise Rd.	Deltona Blvd. to Main St.	581		County	Yes	1.10	2	2	35	N+S	UA NSSRC2 2W 2L U WL	n/c	6,100	7,030	7,800	7,150	7,270	7,390	7,050	8,300	8,660	9,320	E	14,040	0.66	D	790	1,270	
Enterprise-Osteen Rd.	Providence to Garfield Rd	600		County	Yes	1.50	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,480	2,570	2,690	2,470	2,470	2,490	2,630	3,110	3,360	3,350	E	10,220	0.33	C	330	1,020	
Enterprise-Osteen Rd.	Garfield Rd to Reed Ellis Rd.	601		County	Yes	1.70	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,840	1,750	1,850	1,690	1,690	1,760	1,960	2,400	2,930	2,860	E	10,220	0.28	C	310	1,020	
Enterprise-Osteen Rd.	Reed Ellis Rd. to SR 415	602		County	Yes	2.50	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,210	1,050	1,160	1,080	1,160	1,140	1,250	1,480	1,360	1,250	E	10,220	0.12	C	120	1,020	
Euclid Ave.	Grand to Fatio Rd.	610		County	No	0.25	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,220	1,190	1,190	1,080	1,150	1,030	1,130	1,190	1,310	1,300	E	13,640	0.10	C	130	1,020	
Euclid Ave.	Fatio Rd. to Woodward Ave.	611		County	No	0.25	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,380	1,340	1,360	1,270	1,330	1,220	1,360	1,390	1,460	1,570	E	13,640	0.12	C	130	1,020	
Euclid Ave.	Woodward Ave. to SR 15A	612		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,390	2,270	2,310	2,300	2,290	2,240	2,280	2,320	2,440	2,640	E	13,640	0.19	C	230	1,020	
Euclid Ave.	SR 15A to Adelle Ave.	613		County	No	0.75	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	2,740	2,520	2,440	2,510	2,430	2,380	2,450	2,830	2,790	3,130	E	13,640	0.23	C	310	1,020	
Euclid Ave.	Adelle Ave. to US 17/92	614		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,940	2,180	2,150	2,200	2,150	2,210	-	2,260	2,190	2,330	E	13,640	0.17	C	210	1,020	
Eustace Ave. (Deltona)	Catalina Blvd. to Providence Blvd	DLT-55.010		City	No	0.85	2	2	30	E+W	UA NSSRC2 2W 2L U OL	n/c	-	-	-	-	3,480	3,770	-	-	3,770	-	D	10,660	0.34	C	423	960	
Flagler Ave. (NSB)	N. Causeway to Peninsula Ave.	640		FDOT	Yes	0.40	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Arterial - Urban	8,820	9,100	8,560	9,500	-	-	-	11,080	10,090	9,600	10,000	E	13,640	-	-	n/a	1,020
Flagler Ave. (NSB)	Peninsula Ave. to Atlantic Ave.	641		City	Yes	0.40	2	2	20	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	5,120	5,420	5,050	4,130	-	-	-	6,380	6,100	9,600	10,000	E	13,640	-	-	n/a	1,020
Flomich St.	Derbyshire Rd. to SR 5A/Nova Rd.	650		County	Yes	0.30	2	2	30	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	4,980	5,520	5,450	5,570	5,430	5,140	4,900	5,300	5,470	5,540	E	13,640	0.41	D	500	1,020	
Flomich St.	SR 5A/Nova Rd. to US 1	798057		City	No	1.40	2	2	25	E+W	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	4,300	4,300	4,300	4,900	5,100	5,300	-	-	E	13,640	-	-	-	1,020	
Fort Florida Rd. (DeBary)	Highbanks Rd. to Ft. Florida Point Rd.	797058		City	No	1.75	2	2	35	N+S	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	1,150	970	1,090	1,080	1,170	1,020	-	1,450	1,450	1,450	E	10,220	0.14	C	n/a	1,020	
Fort Florida Rd. (DeBary)	FL Florida Point Rd. to Barwick Rd.	797057		City	No	2.25	2	2	35	N+S & E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	230	260	640	770	730	700	-	1,060	1,150	1,150	E	10,220	0.11	C	n/a	1,020	
Fort Florida Rd. (DeBary)	Barwick Rd. to US 17/92	797057		City	No	0.60	2	2	35	E+W	UA NSSRC2 2W 2L U OL	Minor Collector - Urban	980	960	1,340	1,350	1,260	-	1,450	1,670	1,150	1,150	E	10,220	0.11	C	n/a	1,020	
Fort Smith Blvd. (Deltona)	Elkcam Blvd. to Providence Blvd	DLT-60.000		City	No	1.00	2	2	30	N+S	UA NSSRC2 2W 2L U OL	Major Collector - Urban	-	-	-	-	2,250	3,140	3,140	-	-	-	D	10,660	0.33	C	332	960	
Fort Smith Blvd. (Deltona)	Providence Blvd. to Newmark Dr.	DLT-60.020		City	No	0.50	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	-	-	-	10,500	11,260	11,260	-	-	-	D	16,307	1.17	F	1,490	1,260	
Fort Smith Blvd. (Deltona)	Newmark Dr. to Normandy Blvd	DLT-60.030		City	No	0.85	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	-	-	-	8,610	8,160	8,160	-	-	-	D	8,888	0.64	D	826	1,260	
Fort Smith Blvd. (Deltona)	Normandy Blvd. to India Blvd	DLT-60.050		City	No	0.55	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	-	-	-	11,570	11,990	11,990	-	-	-	D	13,074	0.93	D	1,110	1,260	
Fort Smith Blvd. (Deltona)	India Blvd. to Courtland Blvd	DLT-60.070		City	No	2.25	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	-	-	-	6,280	6,610	6,610	-	-	-	D	8,848	0.62	D	742	1,260	
Fort Smith Blvd. (Deltona)	Courtland Blvd																												

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity	
Hill Ave./Jacobs Rd.	US 92 to Plymouth Ave.	950		County	Yes	0.85	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	5,100	6,190	5,870	5,190	5,820	5,900	6,170	7,590	7,510	8,420	E	13,640	0.62	C	710	1,230	
Hill Ave. (DeLand)	Plymouth Ave. to Minnesota Ave.	885		City	Yes	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	4,700	4,340	5,240	5,020	4,890	5,210	-	5,850	5,800	6,770	E	13,640	0.50	C	540	1,020	
Hill Ave. (DeLand)	Minnesota Ave. to SR 44	798035		City	Yes	0.50	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,800	3,810	4,060	4,010	3,800	1,700	1,800	1,900	1,950	2,800	E	13,640	0.21	C	268	1,020	
Hill Ave.	SR 44 to Voorhis Ave.	882		County	Yes	0.25	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,290	2,400	2,530	2,780	2,540	2,760	-	3,220	3,150	3,710	E	13,640	0.27	C	340	1,020	
Hill Ave.	Voorhis Ave. to Beresford Ave.	881		County	Yes	0.75	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,080	2,130	2,310	2,370	2,200	2,510	-	2,680	2,780	2,840	E	13,640	0.21	C	280	1,020	
Hill Ave.	Beresford Ave. to Taylor Rd.	878		County	Yes	1.00	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	-	-	430	480	550	820	-	1,070	1,030	1,260	E	13,640	0.09	C	120	1,020	
Hontoon Rd.	Old New York Ave. to Botts Landing Rd.	891		County	No	1.15	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	2,930	2,930	3,050	2,840	2,820	2,990	3,180	3,450	3,240	3,020	C	13,640	0.27	C	250	1,090	
Hontoon Rd.	Botts Landing Rd. to end of road	890		County	No	2.00	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	780	920	870	790	840	880	1,000	1,090	1,040	930	C	13,640	0.02	C	70	470	
Howland Blvd.	I-4/SR 472 to Wolf Pack Run	901		FDOT	Yes	0.40	4	4	45	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	28,290	30,330	30,490	29,890	27,480	30,590	36,570	32,320	38,300	36,990	E	37,970	0.97	E	2,900	3,410	
Howland Blvd.	Wolf Pack Run to Catalina Blvd.	903		County	Yes	1.15	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	25,260	27,640	28,010	27,440	25,280	27,770	31,520	30,270	30,040	31,480	E	37,970	0.83	C	2,530	3,410	
Howland Blvd.	Catalina Blvd. to Providence Blvd.	905		County	Yes	0.35	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	19,640	21,390	22,110	21,930	20,070	22,700	23,710	23,950	25,520	23,110	E	37,970	0.61	C	1,830	3,410	
Howland Blvd.	Providence Blvd. to Elkcam Blvd.	906		County	Yes	2.10	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	13,380	15,390	16,890	14,140	15,150	16,430	16,780	17,220	18,800	18,930	E	13,640	1.39	F	1,420	1,230	
Howland Blvd.	Elkcam Blvd. to Lake Helen-Osteen Rd.	908		County	Yes	0.30	4	4	45/40	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	15,250	15,030	15,300	15,620	14,220	15,090	16,530	15,940	18,760	18,190	E	37,970	0.48	C	1,410	3,410	
Howland Blvd.	Lake Helen-Osteen Rd. to Newmark Dr.	909		County	Yes	0.70	4	4	40	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	16,330	19,340	20,350	20,990	19,330	19,900	19,690	21,360	25,290	23,160	E	37,970	0.61	C	1,880	3,410	
Howland Blvd.	Newmark Dr. to Courtland Blvd.	911		County	Yes	1.15	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	13,640	16,250	16,640	16,990	15,600	15,490	16,060	17,440	20,200	18,130	E	37,970	0.48	C	1,450	3,410	
Howland Blvd.	Courtland Blvd. to Ft Smith Blvd.	913		County	Yes	1.80	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	11,570	12,820	13,280	12,920	11,770	11,240	10,990	12,000	16,230	14,620	E	37,970	0.39	C	1,170	3,410	
Howland Blvd.	Ft Smith Blvd. to SR 415	915		County	Yes	0.65	4	4	45	N+S	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	11,580	12,770	12,650	12,180	12,530	12,960	14,030	13,600	18,230	16,400	E	37,970	0.43	C	1,480	3,410	
Humphrey Blvd. (Deltona)	Newmark Dr. to India Blvd	DLT-75.000		City	No	1.50	2	2	30	N+S	UA OCCRAC1 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	2,088	E	9,180	-	-	196	-	
India Blvd. (Deltona)	Fort Smith Blvd. to Humphrey Blvd.	DLT-80.000		City	No	2.06	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	-	-	-	-	3,520	4,120	4,120	-	-	-	4,266	D	10,660	0.40	C	357	960
India Blvd. (Deltona)	Humphrey Blvd. to Courtland Blvd.	DLT-80.010		City	No	2	2	2	35	E+W	UA OCCRAC1 2W 2L U 0L	n/c	-	-	-	-	-	4,390	4,390	-	-	5,169	D	10,660	0.48	C	455	960	
Indian Lake Rd.	Tiger Bay Rd. to US 92	935		County	No	0.80	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	n/c	5,380	5,020	6,090	5,550	5,180	5,150	5,870	6,660	6,590	6,370	E	12,740	0.50	C	560	1,230	
Jimmy Ann Dr. (DAY)	LPGA Blvd. to Clyde Morris Blvd.	797027		City	No	0.30	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	7,890	8,470	7,520	7,650	7,680	6,980	5,300	6,800	7,000	7,200	D	12,740	0.57	C	n/a	1,150	
Jimmy Ann Dr. (DAY)	Clyde Morris Blvd. to Mason Ave.	797027		City	No	0.15	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	4,460	4,900	4,380	4,000	4,070	3,890	5,300	6,800	7,000	7,200	D	12,740	0.57	C	n/a	1,150	
John Anderson Dr.	Highbridge Rd. to Lynnhurst	974		County	Yes	7.40	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	4,080	3,880	3,590	3,960	4,570	3,240	3,700	4,190	4,080	3,870	E	13,640	0.28	C	300	1,020	
John Anderson Dr.	Lynnhurst to Halifax Dr	972		County	Yes	0.85	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	5,620	5,220	5,390	5,520	6,730	4,370	5,180	5,790	5,520	5,200	E	13,640	0.38	C	430	1,020	
John Anderson Dr. (OB)	Halifax Dr. to Neptune	798162		City	Yes	1.00	2	2	25	N+S	UA NSSRC2 2W 2L U 0L	n/c	3,550	3,620	3,610	3,950	4,900	1,750	1,800	1,850	6,400	6,600	E	13,640	0.48	D	n/a	1,020	
John Anderson Dr. (OB)	Neptune to SR 40	798162		City	Yes	1.00	2	2	25	N+S	UA NSSRC2 2W 2L U 0L	n/c	5,550	5,110	5,060	5,930	4,900	1,750	1,800	1,850	6,400	6,600	E	13,640	0.48	D	n/a	1,020	
John Anderson Hwy.	Walter Boardman Lane to Flagler Co.	990		County	Yes	1.00	2	2	5 NB / 30 S	N+S	RDA UFH 2W 2L U 0L	Minor Collector - Rural	1,040	960	1,000	1,140	900	950	1,150	1,190	1,170	1,200	C	12,300	0.10	B	110	1,150	
Josephine St./10th St.	Old Mission Rd. to Tatum Blvd.	1000		County	Yes	0.30	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,370	6,000	5,810	5,860	5,910	5,820	4,830	6,650	6,230	5,590	E	13,640	0.41	D	430	1,020	
Josephine St./10th St. (NSB)	Tatum Blvd. to US 1	1002		City	Yes	1.80	2	2	35	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	7,400	7,310	7,350	7,140	-	-	4,940	6,990	-	-	E	14,040	-	-	-	1,270	
Kathy Dr. (N. Penin.)	John Anderson Dr. to SR A1A	1011		County	No	0.44	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	420	470	420	460	470	460	410	500	410	440	E	13,640	0.03	C	40	1,020	
Kennedy Pkwy (Old SR 3)	US 1 to Park Entrance	798158		Federal	No	4.00	2	2	55	E+W	RUA UFH 2W 2L U 0L	Major Collector - Rural	930	1,040	700	660	900	900	950	1,000	850	850	C	6,300	0.13	B	n/a	590	
Kicklighter Rd.	Macy Ave. to Lake Helen-Osteen/Prevail	1051		County	Yes	0.75	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,770	1,930	2,080	1,810	1,690	1,680	1,820	2,020	2,100	2,190	E	13,640	0.16	C	190	1,020	
Lake George Rd.	Bream Dr. to US 17	1062		County	No	3.90	2	2	30	E+W	RUA UFH 2W 2L U 0L	n/c	1,010	780	860	820	740	780	810	810	850	880	C	6,300	0.14	B	70	590	
Lake Helen-Osteen Rd.	Kicklighter Rd. to Captain Dr.	1076		County	Yes	1.40	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	7,310	7,020	7,030	6,570	6,750	6,760	6,990	7,280	7,910	7,590	E	13,640	0.56	D	780	1,020	
Lake Helen-Osteen Rd.	Captain Dr. to Catalina Blvd.	1073		County	Yes	0.40	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	6,990	7,390	7,410	7,090	6,840	7,110	7,420	7,700	7,830	8,560	E	13,640	0.63	D	750	1,020	
Lake Helen-Osteen Rd.	Catalina Blvd. to Haulover Blvd.	1072		County	Yes	0.50	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	9,430	10,200	10,320	9,740	9,850	10,510	11,000	11,260	12,610	E	13,640	0.92	E	1,080	1,020		
Lake Helen-Osteen Rd.	Haulover Blvd. to Elkcam Blvd.	1071		County	Yes	1.75	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	7,000	7,470	7,690	7,540	7,220	6,920	5,440	5,680	5,490	9,500	E	13,640	0.70	D	850	1,020	
Lake Helen-Osteen Rd.	Elkcam Blvd. to Howland Blvd.	1070		County	Yes	0.40	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	3,440	5,490	6,140	6,050	6,060	5,920	6,440	6,360	7,430	7,800	E	13,640	0.57	D	720	1,020	
Children's Way/Lakeshore Dr.	Main St. to Providence Blvd.	1090		County	Yes	0.70	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	2,080	1,220	1,000	960	900	870	940	1,000	1,000	840	E	13,640	0.06	C	90	1,020	
Lakeshore Dr.	Providence Blvd. to Garfield Rd	1092		County	Yes	0.45	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	2,860	2,680	2,590	2,610	2,520	2,570	2,820	3,170	3,180	2,970	E	13,640	0.22	C	280	1,020	
Lakeview Dr.	New York Ave. to Main St	1101		County	No																								

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity
Mercers Fernery Rd.	Glenwood Rd. to SR 15A	1221		County	Yes	1.45	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	n/c	910	860	980	950	1,010	920	-	1,100	980	1,240	E	13,640	0.09	C	100	1,020
Mercers Fernery Rd.	SR 15A to US 17	1223		County	Yes	1.25	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	n/c	1,350	1,370	1,580	1,520	1,470	1,420	-	1,940	1,570	1,800	E	13,640	0.13	C	140	1,020
Midway Ave.	Williamson Blvd. to US 92	1230		County	Yes	2.00	4	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Collector - Urban	2,420	2,530	2,380	2,440	2,630	2,450	3,280	2,880	3,220	4,240	E	37,970	0.11	C	420	3,410
Minnesota Ave. (DeLand)	Grand Ave. to SR 15A	1245		County	Yes	1.35	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,670	2,670	2,650	2,850	2,800	3,440	3,340	3,610	3,500	4,100	E	13,640	0.30	C	370	1,020
Minnesota Ave. (DeLand)	SR 15A to US 17/92	1247		County	Yes	1.25	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,240	1,090	1,100	900	970	1,220	-	1,610	1,290	1,430	E	13,640	0.10	C	120	1,020
Minnesota Ave. (DeLand)	Amelia Ave. to Hill Ave.	1249		County	Yes	0.75	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,280	2,170	2,300	2,110	2,060	2,080	-	2,350	2,280	2,110	E	13,640	0.15	C	180	1,020
Minnesota Ave. (DeLand)	Hill Ave. to Blue Lake Ave.	1250		County	Yes	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	2,840	2,680	2,770	2,650	2,520	2,680	-	2,310	2,630	3,230	E	13,640	0.24	C	280	1,020
Minnesota Ave. (DeLand)	Blue Lake Ave. to Kepler Rd.	1251		County	Yes	0.85	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	4,500	3,530	4,530	4,170	4,000	3,390	4,420	4,940	4,890	5,650	E	13,640	0.41	C	510	1,230
Minnesota Ave. (Orange City)	Sparkman Ave. to US 17/92	1241		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	1,860	1,810	1,930	1,950	2,090	2,150	-	2,010	2,450	2,680	E	13,640	0.20	C	240	1,020
Minnesota Ave. (Orange City)	US 17/92 to Leavitt Ave.	1242		County	No	0.50	2	2	25	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,400	1,470	1,360	1,390	1,410	1,380	-	1,750	1,700	1,730	E	13,640	0.13	C	150	1,020
Minnesota Ave. (Orange City)	Leavitt Ave. to SR 472	1243		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,340	1,430	1,170	1,180	1,230	1,240	-	1,420	1,650	1,470	E	13,640	0.11	C	140	1,020
New Hampshire Ave.	SR 15A to Adelle Ave	1270		County	No	0.15	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,110	2,210	2,280	2,260	2,470	2,720	-	3,040	2,490	3,220	E	13,640	0.24	C	290	1,020
New Hampshire Ave.	Adelle Ave to Clara Ave.	1271		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,540	2,480	2,630	2,780	2,760	3,070	-	3,260	3,560	3,770	E	13,640	0.28	C	300	1,020
New Hampshire Ave.	Clara Ave. to US 17/92	1272		County	No	0.25	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,640	2,640	2,790	2,850	2,830	3,180	-	3,250	3,600	4,040	E	13,640	0.30	C	330	1,020
Newmark Dr. (Deltona)	Ft Smith Blvd. to Humphrey Blvd.	DLT-100.000		City	No	1.60	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	6,060	6,900	6,900	-	-	-	D	10,660	0.74	D	701	960
Newmark Dr. (Deltona)	Humphrey Blvd. to Howland Blvd	DLT-100.020		City	No	0.90	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	6,370	7,160	7,160	-	-	-	D	10,660	0.76	D	796	960
Newmark Dr. (Deltona)	Howland Blvd. to Courtland Blvd.	DLT-100.040		City	No	0.75	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	-	-	-	-	1,110	1,340	1,340	-	-	-	D	10,660	0.07	C	67	960
New York Ave. (Orange City)	Westside Pkwy/Hamilton Ave. to Sparkman Ave.	1281		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,750	3,850	4,230	3,880	3,990	4,190	-	5,060	4,700	4,880	E	13,640	0.36	C	440	1,020
New York Ave. (Orange City)	Sparkman Ave. to Carpenter Ave	1283		County	No	0.30	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	4,560	4,770	5,230	4,990	4,850	4,860	-	5,960	5,510	6,320	E	13,640	0.46	D	550	1,020
New York Ave. (Orange City)	Carpenter Ave. to US 17/92	1284		County	No	0.25	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	5,300	5,580	6,090	5,640	5,770	6,010	6,270	6,820	6,330	6,690	E	13,640	0.49	D	600	1,020
New York Ave. (Lake Helen)	Summit Ave. to Lakeview Dr.	1285		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	850	920	900	970	890	900	1,010	1,020	980	1,040	C	13,640	0.08	C	100	470
Normandy Blvd. (Deltona)	Graves (old Howland) to Rhode Island Ave	DLT-105.000		City	No	1.25	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	-	-	-	-	7,100	8,140	8,140	-	-	-	D	12,740	0.65	C	787	1,150
Normandy Blvd. (Deltona)	Rhode Island Ave. to Elkcam Blvd.	DLT-105.000		City	No	0.50	2	2	30	N+S	UA NSSRC2 2W 4L D WL	Major Collector - Urban	-	-	-	-	6,890	7,520	7,520	-	-	-	D	29,160	0.23	C	636	2,630
Normandy Blvd. (Deltona)	Elkcam Blvd. to Saxon Blvd	DLT-105.030		City	No	1.00	4	4	35	N+S	UA NSSRC2 2W 4L D WL	Major Collector - Urban	-	-	-	-	7,530	10,850	10,850	-	-	-	D	29,160	0.21	C	599	2,630
Normandy Blvd. (Deltona)	Saxon Blvd. to Deltona Blvd	DLT-105.050		City	No	0.70	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	10,230	10,630	10,630	-	-	-	D	10,660	0.99	D	936	960
Normandy Blvd. (Deltona)	Deltona Blvd. to Tivoli Dr.	DLT-105.070		City	No	1.10	3	3	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	9,560	10,100	10,100	-	-	-	D	10,660	1.06	E	974	960
Normandy Blvd. (Deltona)	Tivoli Dr. to Providence Blvd	DLT-105.090		City	No	0.90	3	3	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	6,850	7,100	7,100	-	-	-	D	10,660	0.79	D	713	960
Normandy Blvd. (Deltona)	Providence Blvd. to Saxon Blvd	DLT-105.120		City	No	1.00	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	-	-	-	7,020	7,310	7,310	-	-	-	D	13,990	0.84	D	1,065	1,260
Normandy Blvd. (Deltona)	Saxon Blvd. to Ft Smith Blvd	DLT-105.140		City	No	0.75	2	2	35	E+W	UA NSSRC2 2W 2L D WL	Major Collector - Urban	-	-	-	-	10,720	11,270	11,270	-	-	-	D	17,646	1.26	F	1,355	1,260
Ohio Ave. (LH)	Macy Ave. to Lakeview Dr.	1320		County	Yes	0.20	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	610	710	640	730	680	650	770	760	900	800	C	13,640	0.06	C	70	470
Old Dixie Hwy.	I-95 to Old Kings Rd.	1334		County	Yes	0.60	2	2	45	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	7,250	7,750	7,480	7,430	7,260	7,190	8,710	9,200	8,890	9,950	E	13,640	0.73	C	800	1,230
Old Dixie Hwy.	Old Kings Rd. to Walter Boardman Ln.	1333		County	Yes	0.55	2	2	45	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	3,490	3,210	3,080	3,390	2,990	3,410	3,840	4,340	4,230	4,160	E	13,640	0.30	C	360	1,230
Old Dixie Hwy.	Walter Boardman Ln. to Pine Tree Dr.	1332		County	Yes	5.10	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	2,340	2,240	1,890	2,060	1,810	2,220	-	2,750	2,490	2,180	E	13,640	0.16	C	190	1,230
Old Dixie Hwy.	Pine Tree Dr. to Ingelsia	1330		County	Yes	0.50	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	1,970	2,170	1,710	1,890	1,710	2,240	-	1,950	2,390	2,040	E	13,640	0.18	C	240	1,020
Old Kings Rd.	Flagler Co. to Old Dixie Hwy.	1340		County	Yes	0.60	2	2	50	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	3,110	2,980	3,050	3,150	2,960	3,160	3,200	3,680	3,880	3,990	E	13,640	0.29	C	350	1,230
Old Mission Rd.	SR 44/Mission Dr. to Old Mission Rd	1356		County	Yes	0.60	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	n/c	-	1,120	1,100	1,080	1,120	1,160	1,040	1,330	1,330	1,300	E	13,640	0.10	C	120	1,230
Old New York Ave.	SR 44 to Hontoon Rd.	1360		County	Yes	1.40	2	2	40	E+W	RDA UFH 2W 2L U 0L	n/c	720	870	940	810	820	850	840	1,030	1,130	1,090	C	12,300	0.09	B	110	1,160
Old New York Ave.	Hontoon Rd. to Lakeview Dr.	1361		County	Yes	0.40	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	2,820	3,250	3,540	3,190	3,170	3,420	3,550	3,970	3,870	4,140	C	13,640	0.30	C	350	1,090
Old New York Ave.	Lakeview Dr. to Grand Ave.	1362		County	Yes	0.50	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	3,860	4,210	4,210	3,990	4,010	4,390	4,650	5,140	4,630	4,600	E	13,640	0.34	C	380	1,230
Old New York Ave.	Grand Ave. to SR 44	1364		County	Yes	0.91	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	2,790	2,730	2,800	2,440	2,560	2,600	3,140	3,160	3,100	2,980	E	13,640	0.22	C	260	1,230
Orange/Silver Beach Ave. (DAY)	Nova Rd. to Dr Martin Luther King Jr Blvd	1370		City	No	0.75	2	2	30	E+W	UA NSSRC2 2W 2L D WL	Minor Arterial - Urban	9,980	10,930	8,500	7,970	7,980	7,480	-	-	-	-	E	14,740	-	-	-	1,330
Orange/Silver Beach Ave. (DAY)	Martin Luther King Jr Blvd. to Marion St.	1372		City	No	0.20	2	2	30	E+W	UA NSSRC2 2W 2L D WL	Minor Arterial - Urban	7,110	7,270	6,190	6,210	6,220	6,240	-	-	-	-	E	14,740	-	-	-	1,330
Orange/Silver Beach Ave. (DAY)	Marion St. to US 1	798159		City																								

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity
Plymouth Ave.	Stone St. to Clara Ave	1495		County	Yes	0.50	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	10,780	10,460	10,490	10,040	9,560	9,820	9,510	10,500	10,020	11,310	E	13,640	0.83	E	890	1,020
Plymouth Ave.	Clara Ave. to US 17/92	1497		County	Yes	0.20	2	2	35	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	12,340	11,990	12,110	11,460	10,910	11,250	11,910	13,940	12,020	14,240	E	14,040	1.01	F	1,210	1,270
Plymouth Ave.	US 17/92 to Amelia Ave	1498		County	Yes	0.20	2	2	30	E+W	UA NSSRC2 2W 2L U WL	Major Collector - Urban	-	-	-	-	-	-	10,260	8,730	8,820	9,340	E	14,040	0.67	D	740	1,270
Plymouth Ave.	Amelia Ave. to Garfield Ave.	1500		County	Yes	0.20	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,960	7,090	6,440	5,850	5,850	5,750	5,070	6,730	6,540	7,910	E	13,640	0.58	D	640	1,020
Plymouth Ave.	Garfield Ave. to Blue Lake Rd./Jacobs Da	1502		County	Yes	0.75	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,170	6,370	5,900	5,270	5,410	5,610	4,200	6,080	5,910	7,300	E	13,640	0.54	D	600	1,020
Ponce DeLeon Blvd.	CR 3 to US 17	1511		County	Yes	0.85	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c	2,890	2,400	2,500	2,260	2,350	1,510	-	2,630	1,670	2,110	E	13,640	0.15	C	190	1,020
Prevatt Ave.	SR 44 to Lake Pearl Dr.	1523		County	Yes	1.80	2	2	55	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	4,960	4,130	4,630	4,230	4,470	4,200	4,570	5,680	5,510	4,800	E	17,050	0.28	C	450	1,540
Prevatt Ave.	Lake Pearl Dr. to Kicklighter Rd	1520		County	Yes	1.50	2	2	40	N+S	UA NSSRC1 2W 2L U WL	Minor Arterial - Urban	5,020	4,500	4,800	4,390	4,570	3,910	-	4,640	5,070	5,220	C	17,050	0.31	C	490	1,360
Providence Blvd.	Howland Blvd. to Elkcam Blvd.	1542		County	Yes	1.70	2	2	35	N+S	UA NSSRC2 2W 2L U WL	Minor Arterial - Urban	12,200	10,940	11,990	10,790	11,290	11,040	9,110	10,990	10,330	10,160	E	14,040	0.72	D	850	1,270
Providence Blvd.	Elkcam Blvd. to Ft Smith Blvd.	1541		County	Yes	0.80	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	15,160	13,630	14,680	13,460	13,070	-	13,420	14,750	13,590	13,540	E	13,640	0.99	E	1,160	1,020
Providence Blvd.	Ft Smith Blvd. to Tivoli Dr.	1539		County	Yes	0.05	4	4	35	N+S	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	20,830	17,850	19,250	17,390	17,020	17,370	17,470	19,140	18,450	16,630	E	30,420	0.55	D	1,430	2,740
Providence Blvd.	Tivoli Dr. to Saxon Blvd.	1538		County	Yes	0.80	2	2	35	N+S	UA NSSRC2 2W 2L D WL	Minor Arterial - Urban	9,950	8,670	9,600	9,000	8,510	8,340	7,170	8,740	7,430	8,740	E	14,740	0.50	D	670	1,330
Providence Blvd.	Saxon Blvd. to Normandy Blvd	1535		County	Yes	0.70	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	9,080	8,930	9,860	9,310	8,900	8,990	8,050	8,510	8,270	7,880	E	13,640	0.58	D	680	1,020
Providence Blvd.	Normandy Blvd. to Anderson Dr.	1534		County	Yes	0.80	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	14,460	12,950	14,410	13,510	13,150	12,900	11,650	12,860	13,670	13,000	E	13,640	0.95	E	1,060	1,020
Providence Blvd.	Anderson Dr. to Doyle Rd.	1530		County	Yes	0.55	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Arterial - Urban	11,670	10,900	12,270	12,020	11,780	11,720	12,240	13,730	13,130	13,870	E	13,640	1.02	F	1,160	1,020
Raulerson Rd. # 1	US 17 to Brownlee Rd.	1550		County	No	1.20	2	2	35	E+W	RUA UFH 2W 2L U 0L	n/c	310	310	250	250	280	330	290	270	310	290	C	6,300	0.05	B	30	590
Raulerson Rd.	US 17 to Bunnell Rd./CR 305	1552		County	No	1.70	2	2	30	E+W	RUA UFH 2W 2L U 0L	n/c	320	380	250	300	300	400	330	390	370	340	C	6,300	0.05	B	30	590
Reed Canal Rd.	Clyde Morris Blvd. to SR5A/Nova Rd.	1561		County	Yes	0.80	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	5,850	5,890	5,810	6,040	5,870	6,050	5,400	6,570	7,050	6,450	E	13,640	0.47	D	530	1,020
Reed Canal Rd.	SR5A/Nova Rd. to Sauls St.	1562		County	Yes	0.65	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	10,200	9,960	9,490	9,600	8,960	9,100	8,680	8,180	9,920	9,530	E	13,640	0.70	D	810	1,020
Reed Canal Rd.	Sauls St. to US 1	1564		County	Yes	0.90	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	9,280	8,850	8,570	8,080	8,000	8,130	7,570	7,060	8,530	8,830	E	13,640	0.65	D	750	1,020
Reed Ellis Rd.	Enterprise-Osteen Rd. to SR 415	1571		County	Yes	2.10	2	2	45	E+W	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	1,510	1,470	1,510	1,510	1,640	1,630	1,860	2,120	2,380	2,600	E	13,640	0.19	C	290	1,230
Retta St.	Grand Ave. to US 17	1580		County	Yes	0.15	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	890	840	750	730	770	740	-	1,020	820	880	E	13,640	0.06	C	80	1,020
Reynolds Rd.	US 17 to SR 11	1590		County	Yes	4.40	2	2	35	E+W	RUA UFH 2W 2L U 0L	Minor Collector - Urban/Rural	1,450	1,410	1,160	1,250	1,240	1,360	-	1,100	1,110	1,160	E	6,300	0.18	-	110	2,030
Rhode Island Ave.	Westside Connector to Sparkman Ave	1598		County	Yes	0.45	2	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	4,520	5,360	5,140	5,780	6,630	2,810	6,810	7,160	8,030	E	14,740	0.54	D	540	1,330
Rhode Island Ave.	Sparkman Ave to Carpenter Ave	1599		County	Yes	0.25	2	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	6,360	7,000	6,480	6,890	6,720	3,630	3,260	8,510	9,800	E	14,740	0.66	D	720	1,330
Rhode Island Ave.	Carpenter Ave to US 17/92	1600		County	Yes	0.25	2	2	35	E+W	UA NSSRC2 2W 2L D WL	Minor Collector - Urban	-	6,540	7,080	6,280	6,350	7,240	3,870	7,340	7,970	9,390	E	14,740	0.64	D	750	1,330
Rhode Island Ave. (Orange City)	US 17/92 to Veteran's Memorial Pkwy.	798112		City	No	2.80	2	2	40	E+W	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	7,060	7,280	8,990	8,790	8,650	8,270	8,800	9,200	9,600	8,100	E	13,640	0.59	D	661	1,230
Riley Pidgeon Rd.	Peterson Rd. to SR 40	1610		County	No	2.55	2	2	35	N+S	RUA UFH 2W 2L U 0L	n/c	430	490	480	450	450	430	410	520	490	410	C	6,300	0.07	B	30	590
River Dr.	John Anderson Dr. to SR A1A	1621		County	No	0.50	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	270	270	310	290	340	290	270	340	250	350	E	13,640	0.03	C	30	1,020
Riverside Dr. (NSB)	SR 44 (N. Causeway) to SR A1A (S. Cau	1635		City	No	0.20	2	2	25	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	3,850	2,600	3,640	3,800	-	-	4,590	4,390	-	-	E	13,640	-	-	-	1,020
Halifax/Riverside Dr. (PO)	Dunlawton Ave. to Commonwealth Ave	797068		City	No	1.55	2	2	25	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,350	1,850	1,650	1,990	850	850	850	850	1,000	1,000	E	13,640	0.07	E	n/a	1,020
Riverside Dr. (PO)	Commonwealth Ave. to Main St	1638		City	No	1.20	2	2	25	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	640	720	590	600	600	600	600	600	800	800	E	13,640	0.06	E	n/a	1,020
Samsula Dr.	Pioneer Tr. to SR 44	1651		County	Yes	2.60	2	2	45	N+S	RDA UFH 2W 2L U 0L	Minor Collector - Rural	1,280	1,330	1,430	1,160	1,160	1,290	1,280	1,280	1,550	1,540	C	12,300	0.13	B	150	1,150
Sandra Dr.	John Anderson Dr. to SR A1A	1661		County	No	1.00	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	n/c	250	270	270	270	250	240	260	330	270	250	E	13,640	0.02	C	20	1,020
Saxon Blvd.	US 17/92 to Enterprise Rd	1671		County	Yes	0.65	4	4	35	E+W	UA NSSRC2 2W 4L D WL	Minor Arterial - Urban	16,730	16,730	14,450	15,490	13,960	12,680	15,480	14,580	14,620	15,890	E	30,420	0.52	D	1,170	2,740
Saxon Blvd.	Enterprise Rd. to Veterans Memorial Pkw	1673		County	Yes	0.60	6	6	45	E+W	UA NSSRC1 2W 6L D WL	Minor Arterial - Urban	34,710	32,160	30,370	30,950	27,870	26,560	28,970	31,620	31,840	25,720	E	47,560	0.54	C	1,950	4,280
Saxon Blvd.	VMP to FDOT Park & Ride	1674		County	Yes	0.30	6	6	45	E+W	UA NSSRC1 2W 6L D WL	Minor Arterial - Urban	43,900	41,920	40,060	40,700	36,330	33,290	34,640	40,360	43,680	34,090	E	47,560	0.72	C	2,660	4,280
Saxon Blvd.	FDOT Park & Ride to I-4	1685		County	Yes	0.30	6	6	45	E+W	UA NSSRC1 2W 6L D WL	Minor Arterial - Urban	46,860	44,590	42,380	43,180	36,440	37,850	40,100	39,570	44,320	43,280	E	37,970	1.14	F	3,260	3,410
Saxon Blvd.	I-4 to Finland Dr.	1675		County	Yes	0.35	4	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	45,960	40,660	41,210	41,200	34,420	36,480	40,540	39,790	45,090	38,020	E	37,970	1.00	F	3,140	3,410
Saxon Blvd.	Finland Dr. to Normandy Blvd.	1676		County	Yes	0.35	4	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	38,990	37,800	35,940	35,990	32,490	30,760	39,620	37,870	37,630	37,200	E	37,970	0.98	E	2,800	3,410
Saxon Blvd.	Normandy Blvd. to Tivoli Dr.	1677		County	Yes	1.25	4	4	40	E+W	UA NSSRC1 2W 4L D WL	Minor Arterial - Urban	29,890	25,550	24,160	24,000	22,010	20,320	23,960	26,030	26,320	24,650	E	37,				

Volusia County 2018 Average Annual Daily Traffic & Historical Counts

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity	
Taylor Rd. (NSB)	Glencoe Rd. to Mission Rd	1821		County	No	0.75	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,340	1,480	1,550	1,500	1,590	1,680	1,870	1,910	2,050	2,330	E	13,640	0.17	C	200	1,020	
Tivoli Dr. (Deltona)	Normandy Blvd. to Saxon Blvd.	DLT-125.000		City	No	0.60	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	-	4,620	4,620	-	-	-	3,990	D	11,880	0.34	C	360	960
Tivoli Dr. (Deltona)	Saxon Blvd. to Providence Blvd	DLT-125.020		City	No	0.85	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	-	-	-	-	11,070	12,360	12,360	-	-	-	11,213	D	10,660	1.05	E	881	960
Tomoka Farms Rd.	LPGA Blvd. (north end) to Dunn Ave.	1849		County	Yes	1.90	2	2	40	N+S	UA UFH 2W 2L U 0L	Major Collector - Urban	3,390	3,810	3,770	4,000	-	4,660	4,970	4,810	5,430	5,610	E	24,975	0.22	B	500	2,240	
Tomoka Farms Rd.	Dunn Ave. to US 92	1848		County	Yes	1.90	2	2	40	N+S	UA UFH 2W 2L U 0L	Major Collector - Urban	3,080	3,350	3,550	4,380	5,070	5,800	5,510	6,810	7,870	9,060	E	24,975	0.36	C	860	2,240	
Tomoka Farms Rd.	US 92 to Shunz Rd.	1847		County	Yes	3.02	2	2	40	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	6,110	5,920	5,300	5,780	6,030	5,810	7,300	7,360	7,040	9,250	E	24,975	0.37	C	810	2,240	
Tomoka Farms Rd.	Shunz Rd. to Townwest Blvd	1845		County	Yes	1.50	2	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	4,910	5,470	5,870	5,780	6,210	6,270	7,040	7,870	7,840	8,660	E	24,975	0.35	C	760	2,240	
Tomoka Farms Rd.	Townwest Blvd to Taylor Rd.	1844		County	Yes	1.45	2	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	5,500	5,970	5,780	5,720	6,150	6,190	7,280	7,760	7,560	7,850	E	24,975	0.31	C	600	2,240	
Tomoka Farms Rd.	Taylor Rd. to Pioneer Tr	1843	Yes	County	Yes	2.80	2	2	50	N+S	UA UFH 2W 2L U 0L	Minor Arterial - Urban	7,910	9,180	9,330	8,810	9,790	9,950	10,310	12,360	10,670	11,030	E	24,975	0.44	C	1,000	2,240	
Tomoka Farms Rd.	Pioneer Tr to SR 44	1840	Yes	County	Yes	2.20	2	2	50	N+S	RDA UFH 2W 2L U 0L	Minor Arterial - Rural	5,000	4,700	4,510	5,110	5,260	5,420	6,260	6,520	6,190	7,580	C	12,300	0.62	C	670	1,150	
Town West Blvd. (Port Orange)	Tomoka Farms Rd. to Williamson Blvd.	1850		City	No	1.59	2	2	40	E+W	UA NSSRC1 2W 2L D WL	Minor Collector - Urban	14,200	3,240	3,570	3,920	4,370	4,720	5,170	5,190	5,860	7,140	E	17,900	0.40	C	630	1,620	
Turnbull Bay Rd.	Pioneer Tr. to Williams Rd.	1863		County	Yes	2.90	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban/Rural	3,210	3,340	2,950	2,900	2,860	3,080	3,140	2,560	3,840	3,850	E	13,640	0.28	C	330	1,230	
Turnbull Bay Rd.	Williams Rd. to Industrial Park Ave.	1865		County	Yes	1.20	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	3,140	3,350	3,080	3,100	3,140	3,050	3,140	3,540	4,140	4,270	E	13,640	0.31	C	390	1,230	
Turnbull Bay Rd.	Industrial Park Ave. to US 1	1867		County	Yes	0.85	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	4,510	4,720	4,090	3,890	3,910	3,890	3,970	4,300	4,930	4,900	E	13,640	0.36	C	400	1,020	
Timber Creek Rd.	Broadway Ave./US 1 to Airport Rd	1883		County	Yes	4.20	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	n/c	1,580	1,820	1,750	1,780	1,850	1,860	1,950	2,230	2,730	2,220	E	13,640	0.16	C	200	1,230	
Timber Creek Rd.	Airport Rd. to Tymber Run	1882		County	Yes	0.90	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	Major Collector - Urban	8,440	8,240	8,000	8,280	7,870	8,390	8,390	9,900	10,810	10,290	E	17,050	0.60	C	840	1,540	
Timber Creek Rd.	Tymber Run to SR 40	1881		County	Yes	0.50	4	4	40	N+S	UA NSSRC1 2W 4L D WL	Major Collector - Urban	13,470	12,320	12,880	13,400	12,670	11,610	13,150	13,280	14,720	11,520	E	17,050	0.68	C	950	1,540	
Timber Creek Rd.	SR 40 to Riverbend Rd.	1880		County	Yes	0.45	2	2	30	N+S	UA NSSRC2 2W 2L U 0L	n/c	670	740	770	680	740	750	760	610	550	850	E	13,640	0.06	C	100	1,020	
Van Ave. (DBS)	Peninsula Dr. to SR A1A	1890		County	No	0.20	2	2	25	E+W	UA NSSRC2 2W 2L U 0L	n/c	500	420	630	630	550	600	-	-	-	-	E	13,640	-	-	-	1,230	
Volco Rd.	Cow Creek Rd. to Beacon Light Rd.	1920		County	Yes	2.50	2	2	30	N+S	RUA UFH 2W 2L U 0L	n/c	150	220	270	220	230	240	280	310	290	300	C	6,300	0.05	B	30	590	
Volco Rd.	Beacon Light Rd. to 35th St.	1921		County	Yes	1.40	2	2	45	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban/Rural	410	400	460	420	480	460	530	560	530	530	E	13,640	0.04	C	50	1,230	
Volco Rd.	35th St. to US 1	1922		County	Yes	0.50	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,820	1,420	1,860	1,840	1,930	1,800	1,920	1,790	1,730	2,130	E	13,640	0.16	C	170	1,020	
Voorhis Ave.	US 17/92 to Amelia Ave.	1931		County	Yes	0.20	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	4,030	3,780	3,940	3,670	3,560	3,730	-	6,160	4,270	3,850	E	13,640	0.28	C	330	1,020	
Voorhis Ave.	Amelia Ave. to Hill Ave.	1933		County	Yes	1.00	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,260	3,000	3,060	3,000	2,780	3,270	-	3,260	3,310	4,280	E	13,640	0.31	C	360	1,020	
Voorhis Ave.	Hill Ave. to Blue Lake Ave.	1934		County	Yes	0.50	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,130	2,960	3,030	3,070	2,790	3,370	-	3,190	3,280	3,350	E	13,640	0.25	C	280	1,020	
Voorhis Ave.	Blue Lake Ave. to SR 44	1935		County	Yes	0.50	2	2	35	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	3,500	3,130	3,340	3,280	3,110	3,190	3,600	3,580	3,610	4,560	E	13,640	0.33	C	350	1,020	
Walter Boardman Ln.	Old Dixie Hwy. to Highbridge Rd.	1960		County	Yes	1.20	2	2	30	E+W	RDA UFH 2W 2L U 0L	Major Collector - Rural	2,920	2,630	2,390	2,730	2,270	2,650	2,910	3,380	2,890	3,350	C	12,300	0.27	B	270	1,150	
Wayne Ave. (NSB)	Halleck St. to US 1	1970		County	Yes	1.00	2	2	30	E+W	UA NSSRC2 2W 2L U 0L	Major Collector - Urban	6,400	6,430	6,390	5,970	6,010	6,660	4,670	7,290	7,030	6,720	E	13,640	0.49	D	580	1,020	
Westside Parkway (new/Fatio)	ex. terminus south of SR 44 to Beresford A	1979		County	Yes	1.00	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	n/c	90	110	80	120	80	90	90	-	90	-	E	13,640	0.01	C	10	1,020	
Westside Parkway (Fatio Rd.)	Beresford Ave. to McGregor Rd.	1978		County	Yes	2.00	2	2	40	N+S	UA NSSRC1 2W 2L U 0L	Minor Collector - Urban	1,500	1,370	1,450	1,470	1,460	1,520	-	1,860	1,960	2,160	E	13,640	0.16	C	210	1,020	
Westside Parkway (new)	McGregor Rd. to existing Hamilton/Fatio	1977		County	Yes	2.00	0	0	40	N+S	UA NSSRC1 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Westside Parkway (Hamilton Ave.)	Hamilton Ave. (north end) to French Ave	1976		County	Yes	1.20	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	2,400	2,300	2,430	2,560	2,410	2,150	-	2,400	2,590	2,890	E	13,640	0.20	C	240	1,020	
Westside Parkway (Lawton Ave.)	French Ave. to Rhode Island Ave.	1975		County	Yes	1.25	0	0	25	N+S	UA NSSRC2 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Westside Parkway (new)	Rhode Island Ave. to Debary Plantation B	1974		County	Yes	1.48	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	n/c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Westside Parkway (Don Smith Blvd)	DeBary Plantation Blvd. to Highbanks Rd	798207		County	Yes	1.2	2	2	35	N+S	UA NSSRC2 2W 2L U 0L	Minor Collector - Urban	1,760	1,710	1,870	1,860	1,810	-	-	1,960	-	4,800	E	13,640	0.35	C	418	1,230	
Kepler Rd	Northern terminus to US 92	1040		County	No	0.60	2	2	50	N+S	UA NSSRC1 2W 2L U 0L	n/c	1,510	1,360	1,560	1,460	1,430	1,400	1,550	1,530	1,500	1,560	E	13,640	0.11	C	140	1,230	
W. Volusia Btlwy (Kepler Rd)	US 92 to Minnesota Ave.	1951		County	Yes	1.85	2	2	50	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	12,408	12,820	12,130	12,290	12,110	12,850	15,370	15,740	14,760	14,920	E	17,050	0.88	C	1,200	1,540	
W. Volusia Btlwy (Kepler Rd)	Minnesota Ave. to SR 44	1949		County	Yes	0.75	2	2	50	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	14,160	13,890	14,310	14,480	14,110	14,000	16,270	17,240	16,250	19,650	E	17,050	1.15	F	1,660	1,540	
W. Volusia Btlwy (Kepler Rd)	SR 44 to Beresford Ave. Ext.	1948		County	Yes	0.75	2	2	50	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	9,720	10,600	10,260	10,390	10,040	10,580	12,080	11,280	10,990	12,060	E	17,050	0.71	C	950	1,540	
W. Volusia Btlwy (Dr MLK Jr)	Beresford Ave. Ext. to Taylor Rd.	1945		County	Yes	1.10	2	2	55	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	9,950	10,970	9,940	10,220	9,890	10,410	11,690	11,360	10,360	11,240	E	17,050	0.66	C	890	1,540	
W. Volusia Btlwy (Dr MLK Jr)	Taylor Rd. to Orange Camp Rd.	1943		County	Yes	1.00	2	2	55	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban	12,700	11,910	11,240	11,850	11,440	12,050	14,330	13,800	12,670	14,480	E	17,050	0.85	C	1,150	1,540	
W. Volusia Btlwy (Dr MLK Jr)	Orange Camp Rd. to Cassadaga Rd.	1942		County	Yes	1.40	2	2	55	N+S	UA NSSRC1 2W 2L U 0L	Minor Arterial - Urban																	

**Volusia County 2017 Average Annual Daily Traffic & Historical Counts**

Road Name	Limits (From - To)	Count Station Number	Cycle 10-2 2014 Evacuation Route	Roadway Maintaining Agency	2017 Roadway on County's Thoroughfare	Distance (in miles)	2017 No. of Lanes	2018 No. of Lanes	Posted Speed	Direction	2017 Facility Type	2010 Federal Functional Classification	2009 AADT	2010 AADT	2011 AADT	2012 AADT	2013 AADT	2014 AADT*	2015 AADT*	2016 AADT*	2017 AADT*	2018 AADT*	2018 Vol. Co. Allowable LOS	2018 DAILY LOS Capacity	2018 DAILY V/C Ratio	2018 DAILY LOS	2018 PM PEAK 2Way HOUR	2018 PM PEAK LOS Capacity
<b>Facility Types - Rural Developed</b>																												
FW	= Freeways - Transitioning & Rural																											
UFH	= Uninterrupted Flow Highways																											
IFH	= Interrupted Flow Highways																											
<b>Facility Types - Rural Undeveloped</b>																												
FW	= Freeways - Transitioning & Rural																											
UFH	= Uninterrupted Flow Highways																											
ISIS	= Isolated Signalized Intersections																											
<b>One-Way/Two-Way</b>																												
1W	= One-way Directional Volumes																											
2W	= Two-way Directional Volumes																											
<b>Number of Lanes</b>																												
2L, 4L, 5L, etc.	= Number of Roadway Lanes																											
<b>Divided/Undivided</b>																												
D	= Divided																											
U	= Undivided																											
<b>Left Turn Bays</b>																												
WL	= Left Turn Bays																											
OL	= No Left Turn Bays																											
													<b>1-Year Change in Daily VMT</b>															
													<b>Florida DOT</b>															
													1-Yr SIS % Chg =															
													1-Yr non-SIS % Chg =															
													1 Yr All SR % Chg =															
													<b>County</b>															
													1-Yr Tfare % Chg =															
													1-Yr All Significant Roads % Chg =															
													<b>3-Year Change in Daily VMT</b>															
													<b>Florida DOT</b>															
													3-Yr SIS % Chg =															
													3-Yr non-SIS % Chg =															
													3-Yr All SR % Chg =															
													<b>County</b>															
													3-Yr Tfare % Chg =															
													3-Yr All Significant Roads % Chg =															

**APPENDIX G**  
**Public Notices and Comments**



## U.S. DEPARTMENT OF VETERANS AFFAIRS OFFICE OF CONSTRUCTION & FACILITIES MANAGEMENT

### NOTICE OF SCOPING AND PUBLIC INVOLVEMENT UNDER THE NATIONAL ENVIRONMENTAL POLICY ACT AND SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF AN OUTPATIENT CLINIC DAYTONA BEACH, FLORIDA

The U.S. Department of Veterans Affairs (VA), Office of Construction & Facilities Management, will hold a public scoping meeting to share information and invite comments on the proposed long-term lease for construction and operation of a one or two-story approximately 144,215-square-foot Outpatient Clinic (OPC) with approximately 750 parking spaces in the Daytona Beach, Florida area.

In accordance with the National Environmental Policy Act (NEPA), VA is seeking the public's input on issues to be addressed during the NEPA process, including alternatives and environmental concerns. Concurrently, VA is seeking input to support consultation under Section 106 of the National Historic Preservation Act regarding potential effects to historic properties.

The scoping meeting will present information on the proposed project and the public will have an opportunity to ask questions and submit comments. The location, time, and date are presented below:

**WHEN: Wednesday, March 4, 2020, from 6:30 pm to 8:30 pm**

**WHERE: Fairfield Inn, 1820 Checkered Flag Blvd., Daytona Beach, FL 32114**

A public scoping period is open through **March 31, 2020**. During this time, the public is invited to submit comments on the proposed action and identify potential issues or concerns for consideration in the NEPA process and NHPA Section 106 consultation. Comments may be submitted by email or mail as follows:

Email to Glenn Elliott ([glenn.elliott@va.gov](mailto:glenn.elliott@va.gov)) using the subject line "Daytona Beach OPC Scoping"

Mail to (postmarked by **March 31, 2020**):

Glenn Elliott  
VA Office of Construction & Facilities Management (003C2)  
425 I (Eye) Street NW  
Washington DC 20001

If including your address, phone number, e-mail address, or other personally identifiable information in your comment, please be aware that your entire comment – including your personal identifiable information – may be made publicly available at any time. While you can ask us in your comment to withhold your personally identifiable information from public review, we cannot guarantee that we will be able to do so.

**THE NEWS-JOURNAL**

Published Daily and Sunday  
Daytona Beach, Volusia County, Florida

**State of Florida,  
County of Volusia**

Before the undersigned authority personally appeared

**Susan Stanford**

who, on oath says that she is .....

**LEGAL COORDINATOR**

of The News-Journal, a daily and Sunday newspaper,  
published at Daytona Beach in Volusia County, Florida; the  
attached copy of advertisement, being a  
.....

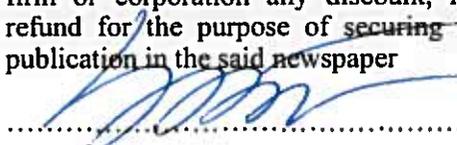
**PUBLIC NOTICE**

**L 2354087**

in the Court,  
was published in said newspaper in the issues.....

**FEBRUARY 23, 24, 2020**

Affiant further says that The News-Journal is a newspaper  
published at Daytona Beach, in said Volusia County, Florida,  
and that the said newspaper has heretofore been continuously  
published in said Volusia County, Florida, each day and  
Sunday and has been entered as second-class mail matter at  
the post office in Daytona Beach, in said Volusia County,  
Florida, for a period of one year next preceding the first  
publication of the attached copy of advertisement; and affiant  
further says that he has neither paid nor promised any person,  
firm or corporation any discount, rebate, commission or  
refund for the purpose of securing this advertisement for  
publication in the said newspaper



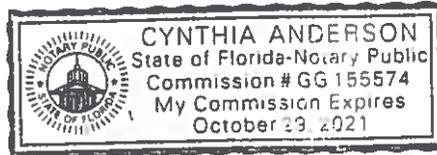
Sworn to and subscribed before me

This 24<sup>th</sup> of **FEBRUARY, 2020**

A.D. 2020



49D



**NOTICE OF SCOPING AND PUBLIC INVOLVEMENT UNDER THE NATIONAL ENVIRONMENTAL POLICY ACT AND SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT FOR THE PROPOSED CONSTRUCTION AND OPERATION OF AN OUTPATIENT CLINIC DAYTONA BEACH, FLORIDA**  
The U.S. Department of Veterans Affairs (VA), Office of Construction & Facilities Management, will hold a public scoping meeting to share information and invite comments on the proposed long-term lease for construction and operation of a one or two-story approximately 144,215-square-foot Outpatient Clinic (OPC) with approximately 750 parking spaces in the Daytona Beach, Florida area.  
In accordance with the National Environmental Policy Act (NEPA), VA is seeking the public's input on issues to be addressed during the NEPA process, including alternatives and environmental concerns. Concurrently, VA is seeking input to support consultation under Section 106 of the National Historic Preservation Act regarding potential effects to historic properties.  
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**WHEN: Wednesday, March 4, 2020, from 6:30 pm to 8:30 pm**  
**WHERE: Fairfield Inn, 1820 Checkered Flag Blvd., Daytona Beach, FL 32114**  
A public scoping period is open through **March 31, 2020**. During this time, the public is invited to submit comments on the proposed action and identify potential issues or concerns for consideration in the NEPA process and NHPA Section 106 consultation. Comments may be submitted by email or mail as follows:  
Email to Glenn Elliott (glenn.elliott@va.gov) using the subject line "Daytona Beach OPC Scoping"  
Mail to (postmarked by **March 31, 2020**):  
Glenn Elliott  
VA Office of Construction & Facilities Management (003C2)  
425 I (Eye) Street NW  
Washington DC 20001  
If including your address, phone number, e-mail address, or other personally identifiable information in your comment, please be aware that your entire comment - including your personal identifiable information - may be made publicly available at any time. While you can ask us in your comment to withhold your personally identifiable information from public review, we cannot guarantee that we will be able to do so.  
L2354087, Feb. 23, 24, 2020 2t

# **NOTICE OF AVAILABILITY**

## **DRAFT ENVIRONMENTAL ASSESSMENT**

### **U.S. DEPARTMENT OF VETERANS AFFAIRS**

#### **Proposed Outpatient Clinic Daytona Beach, Volusia County, Florida**

The U.S. Department of Veterans Affairs (VA) announces the availability of a Draft Environmental Assessment (EA) for public review and comment. The Draft EA evaluates the potential environmental effects of constructing and operating an outpatient clinic in the Daytona Beach, Florida area. VA is considering four locations for the proposed facility, all in Daytona Beach. Site 1 is located on the west side of Williamson Boulevard, approximately 1,000 feet north of Strickland Range Road. Site 2 is located on the west side of Williamson Boulevard, approximately 2,000 feet north of LPGA Boulevard. Site 3 is located on the west side of Williamson Boulevard, approximately 1,200 feet north of LPGA Boulevard. Site 4 is located at 551 National Health Care Drive (replacing the existing William V. Chappell Jr. VA OPC).

VA prepared the Draft EA in accordance with the National Environmental Policy Act and regulations implementing the Act. Comments will be addressed in the Final EA, after which VA intends to issue a Finding of No Significant Impact. The public comment period ends on August 11, 2020.

The Draft EA is available for review online at:

<https://www.orlando.va.gov/pressreleases/DaytonaBeachOPC-EA.asp>

A virtual public meeting regarding the Draft EA will be held on July 30, 2020, at 6 pm (EDT). A link to the meeting will be placed at the website above prior to the meeting.

Please email comments by August 11, 2020, to Glenn Elliott ([glenn.elliott@va.gov](mailto:glenn.elliott@va.gov)), using the subject line "Daytona Beach OPC Draft EA". If you have any questions or are unable to submit your comments by email, please contact Glenn Elliott at (202) 632-5879.



**From:** Cucinella, Josh <[Josh.Cucinella@MyFWC.com](mailto:Josh.Cucinella@MyFWC.com)>  
**Sent:** Tuesday, August 11, 2020 5:09:09 PM  
**To:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Cc:** Sempstrott, Michelle <[Michelle.Sempstrott@MyFWC.com](mailto:Michelle.Sempstrott@MyFWC.com)>; Conservation Planning Services <[conservationplanningservices@MyFWC.com](mailto:conservationplanningservices@MyFWC.com)>  
**Subject:** [EXTERNAL] FWC's comments on Daytona Beach VA Outpatient Clinic Draft Environmental Assessment

Dear Mr. Elliott:

Florida Fish and Wildlife Conservation Commission (FWC) staff reviewed the Draft Environmental Assessment of the Proposed VA Outpatient Clinic in accordance with our authorities under Chapter 379, Florida Statutes. At this time, our comments are limited to advisory information and recommendations for reducing potential conflicts with Florida black bears (*Ursus americanus floridanus*) at the four potential project sites located in the City of Daytona Beach, Volusia County. Sites 1, 2, and 3 are located north of LPGA Boulevard on the west side of Williamson Boulevard. Site 4 is located at 551 National Health Care Drive, along the north side of Dunn Avenue which is the current location of the William V. Chappell, Jr. VA Outpatient Center.

FWC has received 419 reports of human-bear conflicts within roughly a 3-mile radius of the four project sites since 2009. Florida black bears are frequent in this area which is within the Central Bear Management Unit identified in the 2019 Bear Management Plan. ~~Please review the attached document for important information related to potential measures that can be taken to avoid or minimize negative wildlife interactions during the planning, construction, and operation phases of this project.~~

If you have specific ~~technical questions~~, please contact Michelle Sempstrott at (407) 452-1995 or by email at [Michelle.Sempstrott@MyFWC.com](mailto:Michelle.Sempstrott@MyFWC.com). For all other inquiries, please contact our office by email at [ConservationPlanningServices@MyFWC.com](mailto:ConservationPlanningServices@MyFWC.com).

Sincerely,

Josh Cucinella  
Biological Administrator II  
Office of Conservation Planning Services  
Florida Fish and Wildlife Conservation Commission  
1239 SW 10<sup>th</sup> Street  
Ocala, Florida 34471  
(352) 620-7330

Daytona Beach VA Outpatient Clinic Draft EA\_42139



## Florida Fish and Wildlife Conservation Commission

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St. Augustine

Office of the  
Executive Director  
**Eric Sutton**  
Executive Director

**Thomas H. Eason, Ph.D.**  
Assistant Executive Director

**Jennifer Fitzwater**  
Chief of Staff

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850-921-5786 FAX

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800 955-8770 (V)

MyFWC.com

## Technical Assistance Regarding the Florida Black Bear - 2020

Dear Applicant, Property Owner, and Interested Parties:

According to Florida Fish and Wildlife Conservation Commission (FWC) data, there is the potential for Florida black bears (*Ursus americanus floridanus*) to occur in the project area. The FWC received a sufficient number of reports of human-bear conflicts, evidence of bears collected by researchers, reports of bears killed by vehicles surrounding the project, or other data to recommend measures that may prevent or reduce conflicts with bears.

While Florida black bears tend to shy away from people, they are adaptable and will take advantage of human-provided food sources. This includes sources that are currently available near this site or sources available after construction, including unsecured garbage, pet food, and bird seed. Once bears become accustomed to finding food around people, their natural wariness is reduced to the point that there can be an increased risk to private property and public safety.

During the construction phase, construction sites should be kept clean, with refuse that might attract bears kept separate from construction debris and stored securely in bear-resistant containers or removed daily from the construction site before dark. Refuse that might attract bears includes all food and drink-related materials, as well as any items with strong scents like cleaning agents. If a homeowners' association or community covenants are planned, by-laws that would require residents to take measures to prevent attracting bears into the neighborhood are recommended. By-law language used by other Florida communities is available at (<http://myfwc.com/wildlifehabitats/managed/bear/living/community-group/bylaw/>). Once construction activities are complete, residents should be provided with bear-resistant garbage cans as part of their regular waste service and any larger waste storage containers should also be bear-resistant. Providing residents with information on how to avoid human-bear conflicts is also recommended. This information can include:

- Options for keeping garbage secure which can include using bear-resistant garbage containers, modifying regular cans to be bear-resistant, or keeping cans secure in a garage or sturdy shed and then placing garbage on the curb the morning of pick-up rather than the night before (<http://myfwc.com/wildlifehabitats/managed/bear/living/attractants/>);
- Removing bird and wildlife feeders, or modifying them to exclude bears (<http://myfwc.com/wildlifehabitats/managed/bear/wildlife-feeders/>);
- Using electric fencing to secure outdoor attractants like fruiting trees/shrubs, gardens, compost, and small livestock (<https://myfwc.com/media/1886/ElectricFence.pdf>);
- Proper composting in bear range (<https://myfwc.com/media/1888/howtocompostinbearcountry.pdf>);
- Keeping pets safe (<https://myfwc.com/media/1892/protect-your-pet.pdf>); and
- Cleaning and securing barbecue grills.

Information should also include guidelines for how residents should respond to bears in the area, such as:

- What to do if they encounter a bear, whether from a distance or at close range (<https://myfwc.com/wildlifehabitats/wildlife/bear/living/encounter/>), and
- When and how to contact the FWC regarding a bear issue (<https://myfwc.com/wildlifehabitats/wildlife/bear/nuisance-contact/>).

FWC can always assist with residential planning to incorporate the above recommendations and reduce the potential for unwanted interactions between bears and humans. Please feel free to contact our office at [ConservationPlanningServices@myfwc.com](mailto:ConservationPlanningServices@myfwc.com) for technical assistance.

Sincerely,

Jason Hight  
Land Use Planning Program Administrator  
Office of Conservation Planning Services

**From:** Perminter, Jr., Samuel (CFM) <samuel.perminter@va.gov>  
**Sent:** Wednesday, July 29, 2020 12:56 PM  
**To:**  
**Cc:** Elliott, Glenn (CFM); Modovsky, Christine M. (CFM); Ethier, Timothy (CFM)  
**Subject:** VA Daytona Beach procurement

[REDACTED],

Lease award for the Daytona Beach, FL, Outpatient Clinic (OPC) is anticipated by September 30th, 2020. Currently, VA is performing pre-award reviews and completing due diligence in accordance with the National Environmental Policy Act. Proposals offering to lease space in a building to house the OPC were due in February 2020 and the window for submission of a proposal is closed.

Thank you for your interest in VA's Daytona Beach procurement and thank you for your service.

Best regards,  
Sam

**From:** [REDACTED]  
**Sent:** Monday, July 27, 2020 5:09:24 PM  
**To:** Elliott, Glenn (CFM) <[Glenn.Elliott@va.gov](mailto:Glenn.Elliott@va.gov)>  
**Subject:** [EXTERNAL] [REDACTED], Daytona Beach, Florida [REDACTED] (Potential VA Clinic Site.)

Mr. Elliott,

My name is [REDACTED]. Two weeks ago I closed and purchased [REDACTED] in Daytona Beach.

My Building is approximately 142,000 square feet ( 20'/22') clear and has 17.79 acres. It is has 6 loading docks, constructed with concrete block and is 30 years old. It has space enough to accommodate 750 cars. It is in surprisingly good condition and is landscape complete with 38 tall palm tree's and around 110 oak trees and other types of Florida foliage.

Its my understanding that the VA is currently looking at several "dirt only" sites in the Daytona area. Additionally I heard that they (VA) are getting ready to pull the trigger on possibly one of these "dirt sites."

I know I may be coming in a little late, however given the obvious fact that "time is of the essence to complete this project quickly," my site would save 2 years in the planning-construction time and probably well north of cost savings of at least \$20 Million Dollars.

One of my thoughts would be to build a mezzanine of maybe 20,000-40,000 inside [REDACTED] and offer the space for lease to Doctors who could service the VA folks in a more timely manner. Sort of "one stop shopping". Also it would provide income to off set expenses at the VA Clinic.

Looking forward to your response.

[REDACTED]

Sending a Google map  
Of Site .

Sent from my iPhone