

Cultural Resource Assessment Desktop Analysis

Fowler Avenue (State Road 582) from N. Florida Avenue to west of N. 56th Street

Project Development & Environment (PD&E) Study



**Florida Department of Transportation
District 7**

Financial Project ID No. 448505-1-22-01

Hillsborough County, Florida

May 2023

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by FDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated May 26, 2022, and executed by FHWA and FDOT.

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Project Description	3
1.2	Purpose	3
2.0	LOCATION AND ENVIRONMENTAL SETTING	4
3.0	BACKGROUND RESEARCH AND LITERATURE REVIEW.....	7
3.1	Archaeological Considerations.....	9
3.2	Historical Considerations	11
4.0	CONCLUSIONS AND RECOMMENDATIONS	14
5.0	BIBLIOGRAPHY	15

LIST OF FIGURES

Figure 1. Location of the SR 582/Fowler Avenue project corridor.	2
Figure 2. Soil types within the western limits of the SR 582/Fowler Avenue project corridor between N Florida Avenue and Bruce B. Downs Boulevard.	5
Figure 3. Soil types within the eastern limits of the SR 582/Fowler Avenue project corridor between Bruce B. Downs Boulevard and 56 th Street N.	6
Figure 4. Environmental setting and previously recorded cultural resources within one mile of the SR 582/Fowler Avenue project corridor.	10
Figure 5. 1916 Hillsborough County Soil Map showing the Tampa Northern Railroad in relation to the project corridor (red line) (Mooney et. al 1916).	12
Figure 6. 1957 and 1968 historic aerial photographs of the SR 582/Fowler Avenue project corridor (USDA 1957a-c, 1968a,b).	13

LIST OF TABLES

Table 1. Soil types, drainage, and environmental setting within the study corridor.	4
Table 2. CRAS projects conducted in close proximity to the SR 582/Fowler Avenue project.	7
Table 3. Sites adjacent and within one mile of the Fowler Avenue project.....	9
Table 4. Sites adjacent and within one mile of the Fowler Avenue project.....	11

1.0 INTRODUCTION

The Florida Department of Transportation (FDOT) District Seven is conducting a Project Development & Environment (PD&E) Study for State Road (SR) 582/Fowler Avenue from N Florida Avenue to west of N 56th Street in Hillsborough County, Florida, a distance of approximately 4.0 miles (**Figure 1**). The PD&E Study is evaluating transit corridor alternatives from Nebraska Avenue to Bruce B. Downs Boulevard and innovative intersections from Bruce B. Downs Boulevard to west of N 56th Street. Intersection safety and bicycle and pedestrian facilities are being studied throughout the study limits (WSP 2023).

As part of the study, Archaeological Consultants, Inc. (ACI) conducted a desktop analysis in association with WSP USA, Inc. to determine, preliminarily, if any significant or potentially significant cultural resources, including archaeological sites and historic resources, will be impacted by the construction of any of the proposed improvements within the study corridor. Known or potentially significant cultural resources are defined as those sites that are listed, determined eligible, or considered potentially eligible for listing in the National Register of Historic Places (NRHP). All work will be conducted in compliance with the provisions of the *National Historic Preservation Act of 1966* (Public Law 89-665), as amended, and the implementing regulations 36 *Code of Federal Regulations* (CFR) 800, as well as with the provisions contained in the revised Chapter 267, *Florida Statutes* (FS).

ACI's study includes the identification and description of known archaeological sites and historic resources along the study corridor, as well as a discussion of potential archaeologically sensitive areas. The evaluation factors included previously recorded sites within or immediately adjacent to the Fowler Avenue project, soil type, elevation, and distance to freshwater for archaeological sites. For historic resources, pertinent United States Geological Survey (USGS) quadrangle maps, historic aerial photographs, and the Hillsborough County Property Appraiser's website (Henriquez 2023) were reviewed to determine the potential for historic resources 45 years of age or older (constructed in 1978 or earlier). In addition, cultural resource assessment surveys (CRAS) were also reviewed.

The archaeological background research indicated that one archaeological site is recorded within the project limits, 8HI00455, a lithic scatter that contained a small surface scatter of lithics, a projectile point, and a flake tool. The recorder determined the site not eligible for listing in the NRHP, but the State Historic Preservation Officer (SHPO) has not evaluated the site. In addition, there are five other lithic scatter sites recorded within one mile (8HI00328, 8HI00330, 8HI00369, 8HI02187, 8HI09652); one has been determined ineligible for listing in the NRHP, one has insufficient information, one has been determined eligible for listing in the NRHP, and two have not been evaluated for listing in the NRHP. The potential for unrecorded sites is mostly low along the corridor given the highly developed and disturbed nature of the proposed project; however, near the previously recorded site there is a moderate archaeological probability.

Historical/architectural background research including a review of the Florida Master Site File (FMSF) database and the NRHP indicated that no historic resources were previously recorded within or immediately adjacent to the SR 582/Fowler Avenue project corridor. A review of the Hillsborough County Property Appraiser data and historic aerial photographs suggested approximately 11 historic resources, 45 years of age or older (constructed in 1978 or earlier), are located immediately adjacent to the SR 582/Fowler Avenue project corridor between N Nebraska Avenue and Bruce B. Downs Boulevard; and four additional resources are located immediately adjacent to the corridor between Bruce B. Downs Boulevard and N 56th Street (Henriquez 2023). None of the newly identified resources appear eligible for listing in the NRHP. In addition, an unrecorded segment of the Tampa & Gulf Coast RR [Railroad] System (8HI10243) is located within the SR 582/Fowler Avenue project corridor. Various previously recorded segments of the railroad were determined eligible for listing in the NRHP by the SHPO.

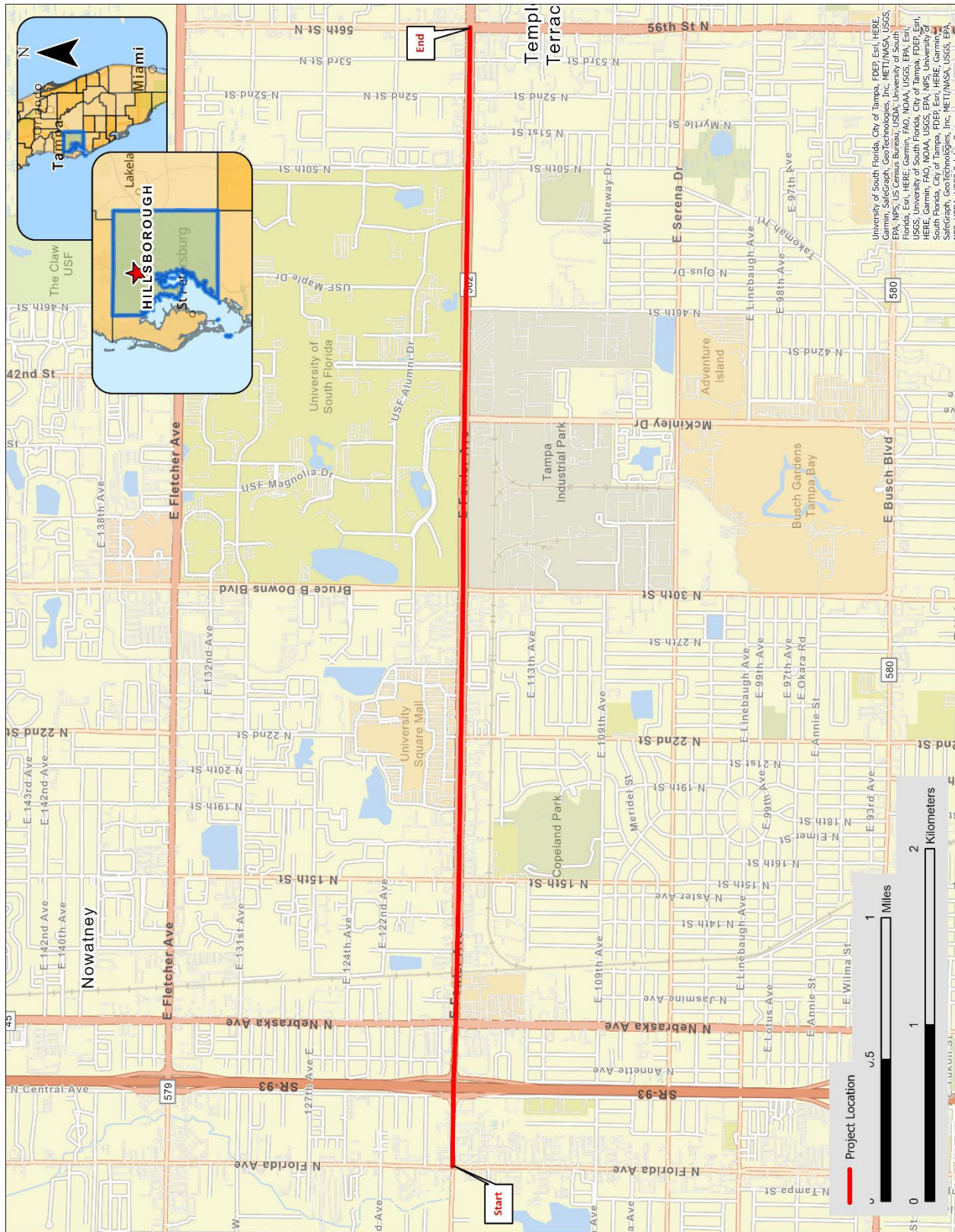


Figure 1. Location of the SR 582/Fowler Avenue project corridor.

1.1 Project Description

The FDOT is conducting a PD&E Study for SR 582/Fowler Avenue from N Florida Avenue to west of N 56th Street (**Figure 1**) a distance of approximately 4.0 miles. Fowler Avenue is currently a four-lane facility from N. Florida Avenue to Interstate 275, an eight-lane divided facility between Nebraska Avenue (SR 45/US 41) and Bruce B. Downs Boulevard/County Road (CR) 581 and N 30th Street, and six-lanes divided elsewhere. It is classified as an urban principal arterial and a critical evacuation route as designated by the Florida Division of Emergency Management.

The PD&E Study is evaluating transit corridor alternatives from Nebraska Avenue to Bruce B. Downs Boulevard and innovative intersections from Bruce B. Downs Boulevard to west of N 56th Street. Intersection safety and bicycle and pedestrian facilities are being studied throughout the study limits. The three transit corridor alternatives being analyzed include:

1. Business Access Transit (BAT) Lane Concept
2. Frontage Lane Concept
3. Median Guideway Concept

The BAT lane alternative would repurpose the existing outside general use lane of Fowler Avenue for bus and right turning vehicles only. They would be marked for bus use and for vehicles making a right turn into an existing business or driveway. Transit stops with the use of a BAT lane would be located at or near destinations. Minimal right-of-way (ROW) is required for this concept.

Frontage lanes would be located parallel to and separate from the general use lanes on mainline Fowler Avenue. They would provide access to local businesses. They would also separate the regional and local traffic allowing regional travel to move more efficiently through the corridor. Transit vehicles would utilize the outside BAT lane on Fowler Avenue with stops located at or near intersections. Bicycle / pedestrian facilities would be located adjacent to the frontage lanes. ROW is required for this concept.

Median Guideways put transit only accommodations in the median or center of the roadway. Transit stops would be located near intersections to allow for safe pedestrian access at crosswalks. U-turns would be permitted at designated intersections and locations. Minimal ROW is required for this concept.

The objective of the project is to develop and evaluate a “Build” alternative and provide the environmental and engineering analyses and documentation for the FDOT to reach a decision on the type, conceptual design, and location of the improvements. The “No-Build” or “No Action” alternative remains a viable option throughout the PD&E Study (WSP 2023).

1.2 Purpose

The purpose of this study is to determine, based on existing data, if any significant or potentially significant cultural resources, including archaeological sites and historic resources, will be impacted by the construction of the proposed improvements within the SR 582/Fowler Avenue project.

2.0 LOCATION AND ENVIRONMENTAL SETTING

The SR 582/Fowler Avenue project is located in Section 13 of Township 28 South, Range 18 East and Sections 15-18 of Township 28 South, Range 19 East (USGS 2013) between N Florida Avenue and 56th Street. The land is developed and consists of roadways and retention ponds. The area is surrounded by several lakes and ponds, wet prairies, and seasonal depressions. The environmental features are shown on **Figure 4** in Section 3.0.

In general, the area is characterized by an approximate elevation of between 25 and 50 feet (ft) above mean sea level (amsl). It lies primarily within the Gulf Coastal Lowlands (White 1970). According to the U.S. Department of Agriculture (USDA), two soil associations underlie the Fowler Avenue project (USDA 1989). The Urban Land-Candler association is characterized by nearly level to strongly sloping, excessively drained soils that are sandy throughout. Most areas have been modified for urban use. The native vegetation consists of bluejack oak, live oak, and turkey oak, with an understory of chalky bluestem, Indiangrass, hairy panicum, panicum, and pineland threeawn. The Urban Land-Tavares association is characterized by nearly level to sloping, moderately well drained soils that are sandy throughout with most areas modified for urban use. The natural vegetation consists of bluejack oak, turkey oak, live oak, and longleaf pine, with an understory of creeping bluestem, lopsided Indiangrass, grassleaf goldaster, panicum, and pineland threeawn. **Table 1** and **Figures 2 and 3** show the specific soil types found in the SR 582/Fowler Avenue project.

Table 1. Soil types, drainage, and environmental setting within the study corridor.

SOIL TYPE, % SLOPES	DRAINAGE	SETTING
Candler fine sand, 0-5%	Excessively drained	Uplands
Candler-Urban land complex, 0-5%	Excessively drained	Uplands and areas of urban land
Fort Meade loamy fine sand, 0-5%	Well drained	Uplands
Tavares-Millhopper complex, 0-5%	Moderately well	Low-lying areas on the uplands and on low ridges on the flatwoods
Zolfo fine sand, 0-2%	Somewhat poor	Broad low ridges on the flatwoods

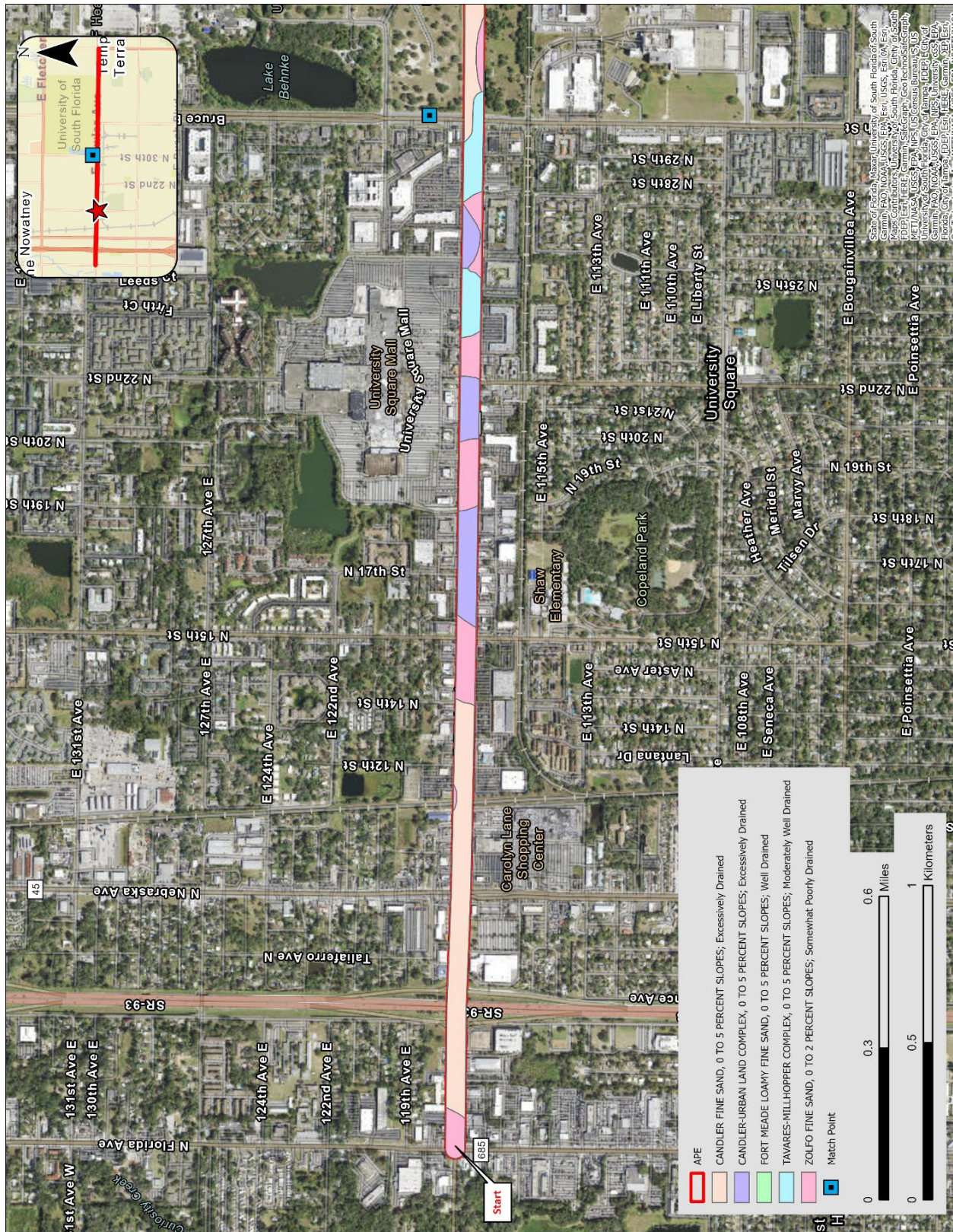


Figure 2. Soil types within the western limits of the SR 582/Fowler Avenue project corridor between N Florida Avenue and Bruce B. Downs Boulevard.

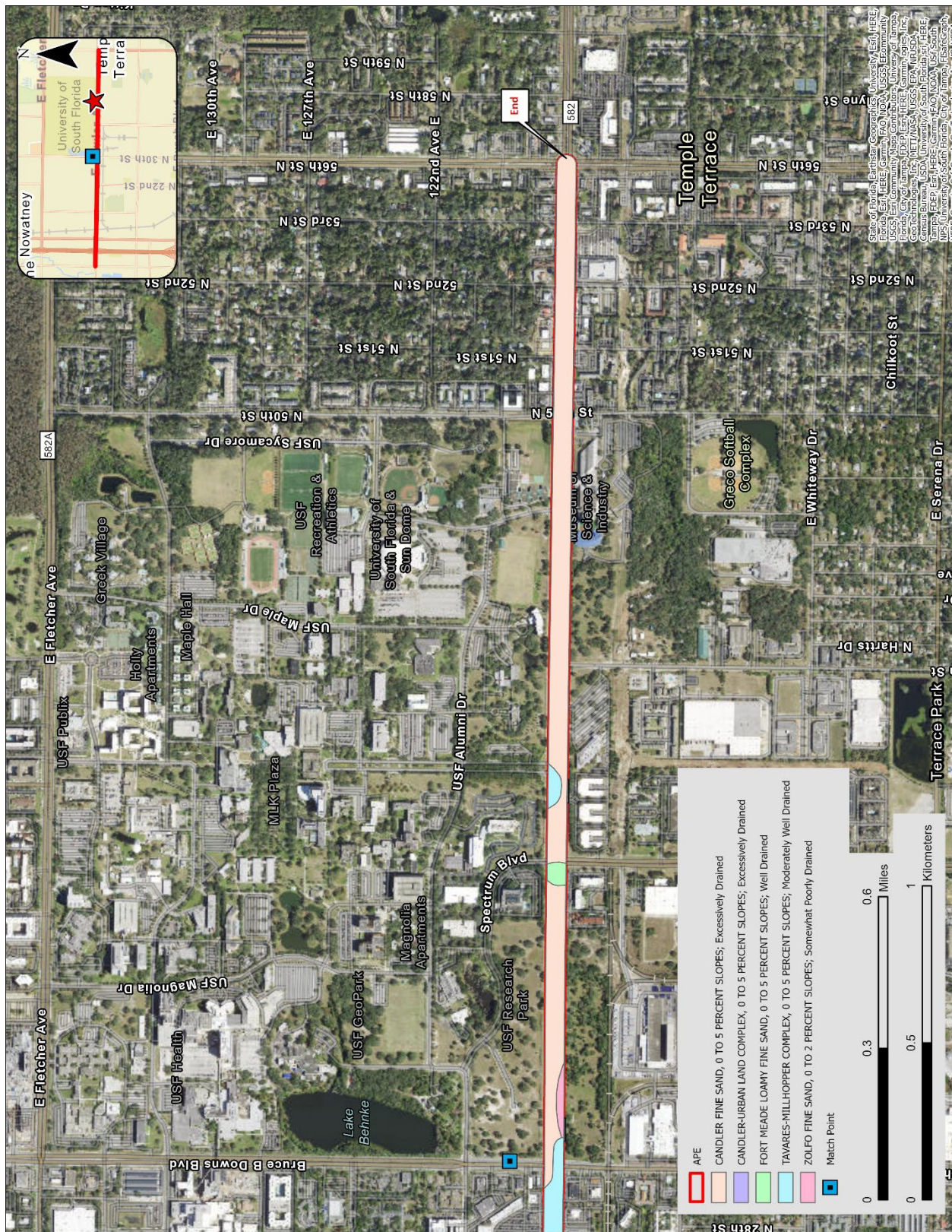


Figure 3. Soil types within the eastern limits of the SR 582/Fowler Avenue project corridor between Bruce B. Downs Boulevard and 56th Street N.

3.0 BACKGROUND RESEARCH AND LITERATURE REVIEW

A review of pertinent archaeological and historical literature, records, and other documents and data pertaining to the general area was conducted. The focus of this analysis was to ascertain the types of cultural resources known in the project vicinity, as well as the potential for the occurrence of yet unrecorded resources. Research included a review of the sites listed in the NRHP and the FMSF database (February 2023), an examination the Hillsborough County Property Appraisers data, soil survey information, plats, and field notes, historic aerial photos on file with the Publication of Archival Library and Museum Materials (PALMM), regional prehistories, histories, and site location predictive models, and relevant CRAS reports and manuscripts (Henriquez 2023; USDA 1942, 1957a,b).

Table 2 is a list of CRAS projects conducted in close proximity to the SR 582/Fowler Avenue project corridor. A review of previous surveys indicated that SR 582/Fowler Avenue has been subjected to more than one CRAS.

Table 2. CRAS projects conducted in close proximity to the SR 582/Fowler Avenue project.

REFERENCE	PROJECT & FDHR SURVEY #
Ellis and Fiorini 1977	The Archaeological Survey of the Mass Seating Facility Proposed Building Site (MS# 244)
Williams 1976	City of Tampa Proposed Pumping Station Sites Survey (MS# 392)
Grange 1977	Archaeological Survey of Proposed Hillsborough County Museum (MS# 526)
Miller 1979	A Preliminary Archaeological and Historical Survey of the Tampa-Hillsborough 201 Plan (MS# 816)
Williams 1983	Archaeological Survey of the Forest Hills Postal Station and Vehicle Maintenance Facility Tract, Tampa (MS# 889)
Burger 1985	Archaeological Investigations of GTE/Collier 326: Hillsborough County, Florida (MS# 1183)
Williams and Ward 1986	A Report on Testing for Archaeological Sites at High Probability Locations on the University of South Florida Campus, South of Fletcher Avenue (MS# 1578)
Ballo 1988	Archaeological Resource Assessment Survey, US 41 from CR 528A to SR 52, Hillsborough and Pasco Counties, Florida (MS# 1631)
HT/HCPB 1988	Historic Resources Survey – City of Temple Terrace (MS# 1770)
McMurray 1991	Archaeological and Historical Resources Assessment Survey for Fowler Avenue from Nebraska Avenue to 50 th Street, Hillsborough County (MS# 2676)
ACI 1994	Preliminary Cultural Resource Survey of I-275 from Waters Avenue to SR 54, Hillsborough and Pasco Counties, Including 20 Alternative Pond Sites (MS# 3962)
ACI 1995a	A CRAS of Interstate 275/75 (SR 93) PD&E Study Section 1 from Busch Blvd to Bearss Avenue Hillsborough, Florida (MS# 4195)
ACI 1995b	A CRAS of Interstate 275/75 (SR 93) Section 2 from Bears Avenue to New SR 54, Hillsborough and Pasco Counties, Florida (MS# 4470)
ACI 1996	Cultural Resource Assessment Report, 40 th Street PD&E Study from Hillsborough Avenue (SR 600 & US 92) to Fowler Avenue (SR 582), Tampa, Hillsborough County, Florida (MS# 4673)
Maio and Mohlman 1998	Hillsborough County Historic Resources Survey Report (MS# 5409)
Janus Research 2001	Tampa Rail Project, Cultural Resource Reconnaissance Study (MS# 6513)
Eyles et al. 2002	Archaeological Survey on the Campus of the University of South Florida, Tampa, 2001 (MS# 7145)
Sims 2002a	An Archaeological and Historical Survey of the Proposed North Pointe Tower Location in Hillsborough County, Florida (MS# 7258)
Sims 2002b	An Archaeological and Historical Survey of the Proposed North Pointe Tower Location in Hillsborough County, Florida (MS# 7280)

REFERENCE	PROJECT & FDHR SURVEY #
Sims 2002c	An Archaeological and Historical Survey of the Proposed BEARSS-USF Tower Location in Hillsborough County, Florida (MS# 7281)
ACI 2000	Proposed Cellular Tower Site: Busch Gardens (MS# 7533)
Larocque 2000	Temple Terrace NU#816071-11109 North 46 th Street, Tampa, Hillsborough County, Florida (MS# 7606)
Janus Research 2002	Cultural Resource Assessment Survey of the Tampa Rail Project (MS# 7608)
ACI 2001a	Proposed Cellular Tower Replacement: Tampa FHP (3x501b) 11305 N. McKinley Drive, Tampa, Hillsborough County, Florida (MS# 8048)
ACI 2001b	CRAS Technical Memorandum Proposed Pond Alternative Sites (MS# 8681)
Austin and Mohlman 2003	Cultural Resource Assessment Survey North 22 nd Street PD&E Study Club Drive to Bearss Avenue Hillsborough County, Florida (MS# 9316)
ACI 2004	Cultural Resource Assessment Survey Raintree Woods Subdivision, Hillsborough County, Florida (MS# 9740)
Hughes 2004	An Archaeological and Historical Survey of the Proposed Pine Lake Tower Location in Hillsborough County, Florida (MS# 10075)
Ambrosino 2007	An Archaeological and Historical Survey of the Witter Elementary School Tower in Hillsborough County, Florida FVV Form 620 (MS# 15287)
Dynamic Environmental Associates 2008	Section 106 Review Form 620 Ridgedale-Terrace Walk Tower Site, Hillsborough County, Florida (MS# 15462)
Gougen 2008	An Archaeological and Historical Survey of the Miles Elementary School Tower in Hillsborough County, Florida FCC Form 620 (MS# 15702)
Florida History 2010	FCC Form 620 New Tower ("NT") Submission Packet: TAM249G ROW Tower Hillsborough County, Florida (MS# 17371)
FACI 2007	Section 106 Assessment (FCC Form 621) of the USF/Tampa Telecommunications Tower Compound Expansion (American Tower Corporation 302687), Hillsborough County, Florida (MS# 17767)
Janssen 2011	Section 106 Review, FCC Form 621, T-Mobile TECO 132 nd Sub Site, Hillsborough County, Florida (Verizon Wireless Personal Communications LP No. 087321-1) (MS# 18357)
Mikell 2011	An Archaeological and Historical Survey of the 50 th and Fowler FA 10015965 Tower in Hillsborough County, Florida FCC Form 621 (MS# 18374)
Mikell 2012	An Archaeological and Historical Survey of the USF North Relo Tower Collocation in Hillsborough County, Florida FCC Form 621 (MS# 19212)
Jones 2010	Historical Documentation of the Temple Terrace Country Club and Golf Course in Temple Terrace, Hillsborough County, Florida (MS# 19481)
ACI 2012	Cultural Resource Assessment Survey Fletcher Avenue Project Development and Environment (PD&E) Study from West of Bruce B. Downs Boulevard to I-75, Hillsborough County, Florida (MS# 19953)
ACI 2012	Technical Memorandum, Cultural Resource Desktop Analysis and Reconnaissance Survey, MetroRapid East-West Project Development and Environment Study, Hillsborough County, Florida (MS# 20886)
HDR Engineering 2009	Polytrauma Expansion and CARES Supported Bed Tower Upgrades, James A. Haley Veterans Hospital, Sunshine Veterans Healthcare System, Tampa, Florida, VA973-900, Preliminary Cultural Resource Assessment (MS# 21434)
Westerman and White 2015	Cultural Resource Assessment Survey of the University of South Florida Heart Institute Project Area, Hillsborough County, Florida (1A-32 Permit No. 1314.038) (MS# 21730)
McMakin 2015	Cultural Resources Assessment of the Fowler Cellular Tower, Hillsborough County, Florida (MS# 22525)
Janus Research 2015	Cultural Resources Assessment Survey of State Road 93 (SR 93)/Interstate 275 (I-275) from North of Dr. Martin Luther King, Jr. Boulevard (SR 574) to North of Bearss Avenue (SR 678/ County Road 582) Project Development and Environment Study (MS# 22589)

REFERENCE	PROJECT & FDHR SURVEY #
Westerman 2016	Cultural Resource Assessment of the Proposed Publix at the University of South Florida Project Area, Hillsborough County, Florida (1A-32 Permit No. 1516.039) (MS# 24316)
Harke and White 2019	Cultural Resource Assessment Survey of the Proposed Honors College Building at the University of South Florida, Hillsborough County, Florida 1A-32 Permit No. 1819.050 (MS# 26112)
Chambless and Newton 2019	Cultural Resource Assessment Survey for the 46 th Street from State Road 580 (Busch Boulevard) to State Road 582 (Fowler Avenue) Walk-Bike Local Agency Program Project, Hillsborough County, Florida (MS# 26429)

The archaeological background research indicated that one archaeological site is recorded within the project, 8HI00455, a lithic scatter that contained a small surface scatter of lithics, a projectile point, and a flake tool. The recorder determined the site not eligible for listing in the NRHP, but the SHPO has not evaluated the site. In addition, there are five other lithic scatter sites recorded within one mile (HI00328, 8HI00330, 8HI00369, 8HI02187, 8HI09652) (**Figure 4**); one has been determined ineligible for listing in the NRHP, one has insufficient information, one has been determined eligible for listing in the NRHP, and two have not been evaluated for listing in the NRHP. The one site determined eligible for the NRHP (8HI02187; USF Village) was dated to the Early Archaic and recorded as part of a PD&E study of Fletcher Avenue from Bruce B. Downs Boulevard to I-75 (ACI 2012). **Table 3** is a list that summarizes the archaeological sites found adjacent and within one mile of the Fowler Avenue project.

Table 3. Sites adjacent and within one mile of the Fowler Avenue project.

Site #	Site Name	Site Type	Culture	SHPO Eval
8HI00328	NN	Lithic scatter/quarry	Prehistoric	Ineligible for NRHP
8HI00330	Handball Court USF	Lithic scatter/campsite	Prehistoric	Insufficient information
8HI00369	Wujcik	Lithic scatter/quarry	Archaic, 8500 BC-1000 BC	Not evaluated
8HI00455	Broken Arrow	Lithic scatter	Prehistoric	Not evaluated
8HI02187	USF Village	Lithic/artifact scatter; campsite/habitation with subsurface features present	Prehistoric; Early Archaic; Weeden Island, AD 450-1000	Eligible for NRHP
8HI09652	Raintree Woods	Campsite	Prehistoric	Not evaluated

*Gray shading represents site located immediately adjacent to the SR 582/Fowler Avenue project.

3.1 Archaeological Considerations

As archaeologists have long realized, aboriginal populations did not select their habitation sites and special activity areas in a random fashion. Rather, many environmental factors had a direct influence upon site location selection. Among these variables are soil drainage, distance to freshwater, relative topography, and proximity to food and other resources including stone and clay. It has been repeatedly demonstrated that archaeological sites are most often located on better-drained soils, at the upland margins of wetland features such as swamps, sinkholes, lakes, and ponds. Upland sites well removed from potable water are rare. In the pine flatwoods, sites tend to be situated on ridges and knolls near a freshwater source. It should be noted that this settlement pattern cannot be applied to Paleo-Indian and Early Archaic sites, which precede the onset of modern environmental conditions, and the water table was much lower.

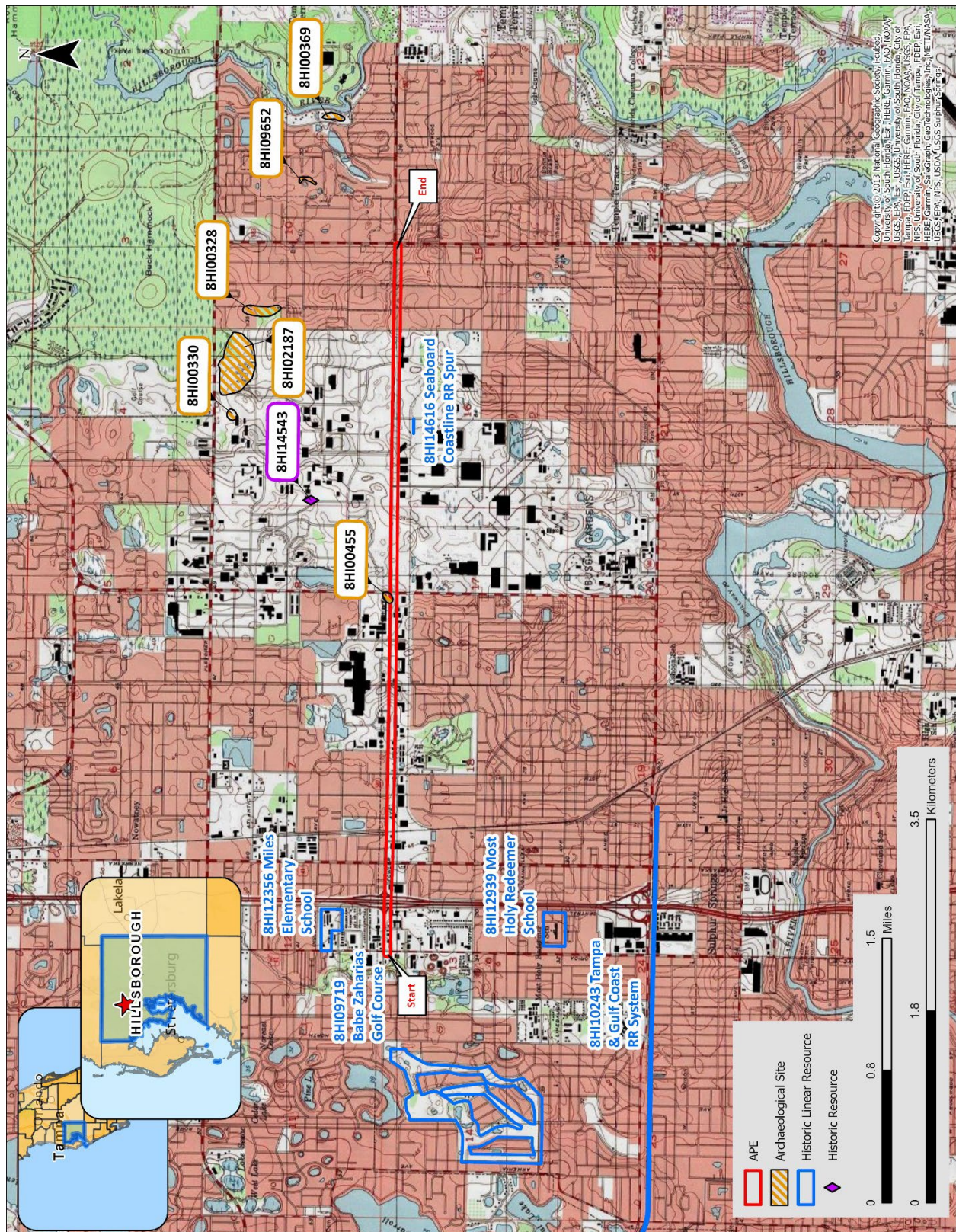


Figure 4. Environmental setting and previously recorded cultural resources within one mile of the SR 582/Fowler Avenue project corridor.

The potential for unrecorded sites is mostly low along the corridor given the highly developed and disturbed nature of the proposed project; however, near the previously recorded site there is a moderate archaeological probability. Given the results of the historic research, no 19th century historic period archaeological sites, including homesteads, forts, or Indian encampments were expected.

3.2 Historical Considerations

Historical/architectural background research included a review of the FMSF database and the NRHP indicated that no historic resources were previously recorded within the SR 582/Fowler Avenue project corridor. However, six previously recorded resources are located within one mile of the corridor (**Figure 4**). See **Table 4** for a list and description of each of the resources. A majority of these resources (8HI09719, 8HI10243, 8HI12356, 8HI12939, and 8HI14543) are located over 2,000-feet from the proposed roadway improvements. A segment of the Seaboard Coastline Railroad Spur (8HI14616) and other unrecorded segments of the spur run parallel to SR 582/Fowler Avenue and are located over 400-feet south of the corridor ROW. The spur was constructed between 1957 and 1968 and was not part of the major railroad transportation corridor; therefore, the recorded segment was determined ineligible for listing in the NRHP by the SHPO in 2019.

Table 4. Sites adjacent and within one mile of the Fowler Avenue project.

FMSF No.	Address/Site Name	Year Built	Style/Type	NRHP Eligibility Recommendation	Survey No.
Resource Groups					
8HI09719	Babe Zaharias Golf Course	ca. 1926	Designed Historic Landscape	Not Evaluated	N/A
8HI10243	Tampa & Gulf Coast RR System	ca. 1914	Linear Resource	Eligible	26947
8HI12356	Miles Elementary School	ca. 1962	Building Complex	Ineligible	22589
8HI12939	Most Holy Redeemer School	ca. 1961	Building Complex	Ineligible	22589
8HI14616	Seaboard Coastline RR Spur	ca. 1960	Linear Resource	Ineligible	26429
Structures					
*8HI14543	12101 USF Sweetgum Lane / USF Life Sciences Building	ca. 1961	International	Eligible	25401

*denotes resource marked as demolished in the FMSF.

In addition, background research identified an unrecorded segment of the Tampa Northern Railroad (8HI13648), which is located within the SR 582/Fowler Avenue project corridor. A segment of the railroad was previously recorded in 2016 during the CRAS for SR 574 (Martin Luther King Jr. Boulevard) which is over 5 miles south from the SR 582/Fowler Avenue project. At that time, that segment of rail line was determined ineligible for listing in the NRHP. The Tampa Northern Railroad was constructed in circa (ca.) 1906 and extends from downtown Tampa to Brooksville in Hernando County (**Figure 5**). The Tampa Northern Railroad was acquired by the Seaboard Air Line Railroad in 1912 and later became the CSX Railroad in 1980. Although the railbed within the project corridor is a typical example found throughout Florida, it appears to meet the requirements found in Florida's Historic Railroad Resources Multiple Property Listing under property type F.3 (railbeds). The railroad appears to possess a local level of significance for its association with the development of Florida's railroads, served as a transportation function, and was constructed during one of the significant periods of history (Johnston & Mattick 2001).

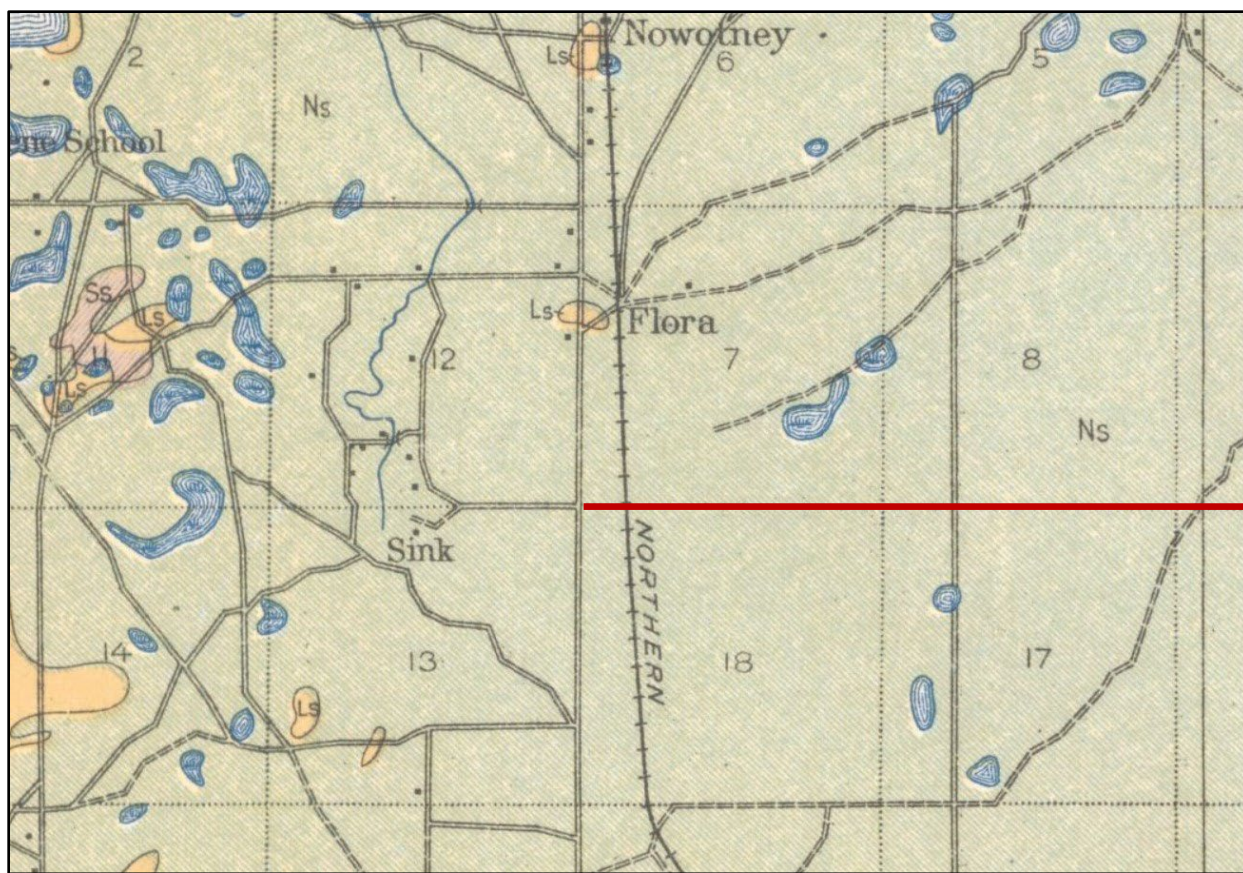


Figure 5. 1916 Hillsborough County Soil Map showing the Tampa Northern Railroad in relation to the project corridor (red line) (Mooney et. al 1916).

A review of the historic aerial photos revealed a moderate potential for historic resources within the SR 582/Fowler Avenue project. The Tampa Northern Railroad passes through the corridor and appears to have been the only historic resource present within the study corridor as late as ca. 1957 (USDA 1957a-c) (**Figure 6**). At this time the area was predominantly undeveloped with the exception of some development on the north side of SR 582/Fowler Avenue at the western and eastern most portions of the project limits. By 1968, more development filled in along the north side of the corridor including the University of South Florida campus; however, the southern side remained undeveloped between the Seaboard Coastline Railroad Spur and SR 582/Fowler Avenue (USDA 1968a,b) (**Figure 6**). Commercial development increased beginning in the 1970s and the corridor continues to grow and develop (Google Earth 2023, Henriquez 2023).

A review of the Hillsborough County Property Appraiser data and historic aerial photographs suggested approximately 11 historic resources, 45 years of age or older (constructed in 1978 or earlier), are located immediately adjacent to the SR 582/Fowler Avenue project corridor between N Nebraska Avenue and Bruce B. Downs Boulevard where the three alternatives are proposed. Furthermore, there are four historic resources located immediately adjacent to the corridor between Bruce B. Downs Boulevard and N 56th Street where the innovative intersections are proposed (Henriquez 2023). None of the newly identified resources appear eligible for listing in the NRHP.



Figure 6. 1957 and 1968 historic aerial photographs of the SR 582/Fowler Avenue project corridor (USDA 1957a-c, 1968a,b).

4.0 CONCLUSIONS AND RECOMMENDATIONS

Background research indicated there is a mostly low potential for discovery of one or more pre-Contact period archaeological sites given the disturbance in the area but a moderate probability near the previously recorded site at the northwest intersection of Bruce B. Downs Boulevard and SR 582/Fowler Avenue. In addition, an unrecorded segment of the Tampa Northern Railroad (8HI13648) is located within the SR 582/Fowler Avenue project corridor. Although the railbed within the project corridor is a typical example found throughout Florida, it appears to meet the requirements found in Florida's Historic Railroad Resources Multiple Property Listing as having a local level of significance for its association with the development of Florida's railroads, served as a transportation function, and was constructed during one of the significant periods of history.

Based on the three proposed transit corridor alternatives between Nebraska Avenue and Bruce B. Downs Boulevard, the BAT lane alternative and Median Guideways alternative appear to pose the least amount of impact to the built environment. Both alternatives propose minimal ROW and most work enhances existing conditions such as widening existing sidewalks and will repurpose the existing outside lane or median and/or center of the roadway for bus transit needs. Cultural resources located within the project corridor should be analyzed for potential impacts; however, adjacent resources will not be of concern for the BAT lane alternative or the Median Guideways alternative. The Frontage lanes alternative, however, proposes widening in the area from N 12th Street to west of Bruce B. Downs Boulevard which will require additional ROW for the new frontage lane. Due to the proximity of the proposed frontage lane to adjacent historic resources, it is recommended that adjacent parcels be taken into consideration.

While no adverse effect is anticipated to any cultural resources that are listed, eligible, or potentially eligible for listing in the NRHP, a systematic archaeological field survey and a historical/architectural field survey is recommended to document and evaluate cultural resources within the SR 582/Fowler Avenue project corridor. At that time the Area of Potential Effects (APE) will be set prior to field work. The APE which as defined in 36 CFR Part § 800.16(d), is the "geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist." The fieldwork should meet the requirements set forth in Chapters 267, 373 and 872.05, *FS*, as revised; Part 2, Chapter 8 ("Archaeological and Historical Resources") of FDOT's *Project Development and Environment (PD&E) Manual* (FDOT 2020); the standards and guidelines contained in the *Cultural Resource Management Standards and Operational Manual: Module 3* (FDHR 2003); and Chapter 1A-46, *Florida Administrative Code (FAC)* as well as any other federal regulations for determining possible effects on historic properties listed, or eligible for listing in the NRHP, or otherwise of historical, architectural, or archaeological value.

5.0 BIBLIOGRAPHY

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