#### MINIMUM CRITERIA DETERMINATION CHECKLIST

The following questions provide direction in determining when the Department is required to prepare environmental documents for state-funded construction and maintenance activities. Answer questions for Parts A through C by checking either "Yes" or "No". Complete Part D of the checklist when Minimum Criteria Rule categories #8, 12(i), or #15 are used.

TIP Project No.: U-4407

**WBS Project No.: 3905.1.1** 

**Project Location: Wayne County** 

**Project Description:** STIP Project No. U-4407 proposes to widen US 70 Business (Ash Street) from SR 1579/SR 1900 (Berkeley Boulevard) to US 70 to a four-lane divided facility with a 23' raised median. This section of US 70 Business is currently a three-lane shoulder section. The proposed roadway will have two 12' lanes in each direction with a 23' raised median. The proposed typical section also includes curb & gutter on both sides with sidewalk. The roadway will be designed with a 40-mph design speed.

**Purpose and Need:** The purpose of the project is to reduce existing and future congestion and provide improved safety for pedestrian and vehicular traffic. The need for the project is the 2040 design year shows the intersections of US 70 Business (Ash Street) and Malloy Street and US 70 Business (Ash Street) and Oak Forest Road are both operating at a LOS of D in the AM peak. The proposed project will install roundabouts at both locations and are projected to operate at a LOS of B in design year. The crash data shows a need for safety improvements, including a high number of crashes consistent with accidents occurring during lane changes, at heavily traveled intersections, and vehicles stopping abruptly in travel lanes. Replacing the existing center two- way left turn lane with a 23' raised median should significantly reduce accidents through this corridor. Furthermore, there are currently no pedestrian facilities along this corridor but with the presence of businesses, schools and large residential areas these facilities are needed. In addition, pedestrian facilities along this corridor are an expressed need in the 2015 Goldsboro MPO Bicycle, Pedestrian, and Greenway Plan. The proposed project addresses these needs by adding sidewalks and multi-use paths to this area.

# **Anticipated Permit or Consultation Requirements:**

No formal consultation with the USFWS or the National Marine Fisheries Service (NMFS) is anticipated. Section 404 Permits, administered by the US Army Corps of Engineers, or Section 401 certifications, administered by the NC Division of Water Resources, will not be required.

# **Special Project Information:**

Environmental Commitments: Greensheet Commitments are located at the end of the checklist.

# **Estimated Costs:**

The estimated costs, based on 2018-2027 STIP, are as follows:

Utility: \$ 333,000 R/W: \$ 2,772,000 Const: \$ 18,699,000 Total: \$21,804,000

# **Estimated Traffic:**

Year 2019 14,600 vpd Year 2040 18,400 vpd

TTST 1% Dual 2%

Crash History: During a five-year period from November 2013 through November 2018, a total of 106 crashes occurred on this segment of roadway. The rate of crashes for this segment is considerably higher than the statewide average. The most common types of crashes include rear end, angle, sideswipe, and left turn. These types of accidents are consistent with accidents occurring during lane changes, at heavily traveled intersections, and due to vehicles stopping abruptly in travel lanes. Replacing the existing center two-way left turn lane with a 23' raised median will significantly reduce accidents through this corridor.

**Traffic Operations:** This project will also improve the traffic capacity along the project corridor. The intersections of US 70 Business (Ash Street) and Malloy Street and US 70 Business (Ash Street) and Oak Forest Road are both projected to operate at a LOS D in the AM peak in the year 2040. The proposed project will install roundabouts at both locations and are project to operate at LOS B or better in the year 2040.

**Design Exceptions:** There are no anticipated design exceptions for this project.

**Pedestrian and Bicycle Accommodations:** The Goldsboro MPO Bicycle, Pedestrian, and Greenway Plan includes the following:

- A recommended greenway facility/shared use path is proposed that would connect to the Greenwood Middle School and Meadow Lane Elementary School by crossing the project area at the intersection along US 70 Business.
- Bike lanes are recommended starting from Mallory Street along US 70 Business (Ash Street) to Oak Forest Road.
- Sidewalks are recommended along both sides of US 70 Business (Ash Street) along the entire project area.

This project will install sidewalks along both sides of the project and a multi-use path from Mallory Street to Oak Forest Road. However, no bike lanes are to be included.

Temporary pedestrian accommodations are needed during construction in the work zone. There is an existing signal between Greenwood Middle School and Meadow Lane Elementary School.

# **Alternatives Discussion:**

**No Build** – The no build alternative would not reduce accidents along this section of US 70 Business (Ash Street).

# **Public Involvement:**

A Local Officials meeting and a Public Meeting was held for this project on April 23, 2019. Comments regarding the project will be accepted through May 8, 2019.

# Waters of the US:

The NRTR (Natural Resources Technical Memorandum) determined that there were no wetlands or streams within the project study area.

# **Threatened and Endangered Species:**

The NRTR (Natural Resources Technical Memorandum) for this project did not identify any federally protected species which would be affected by this project.

# **Relocations of Residences and Businesses:**

There is one residential relocation and four business relocations within the project limits.

PART A: MINIMUM CRITERIA			
		YES	NO
Item	1 to be completed by the Engineer.		
1.	Is the proposed project listed as a type and class of activity allowed under the Minimum Criteria Rule in which environmental documentation is <u>not</u> required?	X	
	e answer to number 1 is "no", then the project <u>does not</u> qualify as a mum criteria project. A state environmental assessment is required.		
If ye	s, under which category? 8, 26		
If eit	her category #8, #12(i) or #15 is used complete Part D of this checklist.		
PAR	RT B: MINIMUM CRITERIA EXCEPTIONS		
1111	THE THE THE THE PART BANGER THOMAS		
Item	s 2 – 4 to be completed by the Engineer.		
2.	Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts?		X
3.	Will the proposed activity have secondary impacts or cumulative impacts that may result in a significant adverse impact_to human health or the environment?		X
4.	Is the proposed activity of such an unusual nature or does the proposed activity have such widespread implications, that an uncommon concern for its environmental effects has been expressed to the Department?		X
Itom	5-8 to be completed by Division Environmental Officer.		
5.	Does the proposed activity have a significant adverse effect on wetlands; surface waters such as rivers, streams, and estuaries; parklands; prime or unique agricultural lands; or areas of recognized scenic, recreational, archaeological, or historical value?		X
6.	Will the proposed activity endanger the existence of a species on the Department of Interior's threatened and endangered species list?		X
7.	Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse water quality or ground water impacts?		X

8.	Is the proposed activity expected to have a significant adverse effect on	YES	NO X
0.	long-term recreational benefits or shellfish, finfish, wildlife, or their natural habitats		2
Minir	questions 2 through 8 are answered "yes", the proposed project may not quantum Criteria project. A state environmental assessment (EA) may be required ance, contact:	•	
Mana	ager, Environmental Analysis Unit		
	Mail Service Center		
Ralei	gh, NC 27699-1598		
(919)	$\frac{1}{2}$ 707 $-$ 6000		
Fax:	(919) 212-5785		
<u>PAR</u>	T C: COMPLIANCE WITH STATE AND FEDERAL REGULA	TIONS	
Items	s 9- 12 to be completed by Division Environmental Officer.		
9.	Is a federally protected threatened or endangered species, or its	X	

nem	s 9- 12 to be completed by Division Environmental Officer.				
9.	Is a federally protected threatened or endangered species, or its	X			
	habitat, likely to be impacted by the proposed action?		_		
10.	Does the action require the placement of temporary or permanent fill in waters of the United States?		X		
1 1			V		
11.	Does the project require the placement of a significant amount of fill in high quality or relatively rare wetland ecosystems, such as		X		
	mountain bogs or pine savannahs?				
12.	Is the proposed action located in an Area of Environmental		X		
	Concern, as defined in the coastal Area Management Act?				
	,				
Item					
13.	Does the project require stream relocation or channel changes?		X		
		<u>—</u>			
<u>Cultural Resources</u>					
1.4	W/:11 41		V		
14.	Will the project have an "effect" on a property or site listed on the		X		
	National Register of Historic Places?				
15.	Will the proposed action require acquisition of additional right of		X		
	way from publicly owned parkland or recreational areas?				

Questions in Part "C" are designed to assist the Engineer and the Division Environmental Officer in determining whether a permit or consultation with a state or federal resource agency may be required. If any questions in Part "C" are answered "yes", follow the appropriate permitting procedures prior to beginning project construction.

# PART D:( To be completed when either category #8, #12(i), or #15 of the rules are used.)

# Items 16-22 to be completed by Division Environmental Officer.

16.	Project length:	1.885 miles
17.	Right of Way width:	100 ft
18.	Project completion date:	August 2023
19.	Total acres of newly disturbed ground surface:	9.9 ac
20.	Total acres of wetland impacts:	0.0 ac
21.	Total linear feet of stream impacts:	0.0 ft
22.	Project purpose:	To reduce existing and future congestion and provide improved safety for pedestrian and vehicular traffic.

If Part D of the checklist is completed, send a copy of the entire checklist document to:

David B. Harris, PE State Roadside Environmental Engineer Mail Service Center 1557 Raleigh, NC 27699-1557 (919) 707-2920 Fax (919) 715-2554

Email: davidharris@ncdot.gov

# Additional Documentation as Required from Sections B & C

**Question 9:** The US Fish and Wildlife Service has developed a programmatic biological opinion (PBO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the northern long-eared bat (NLEB) (*Myotis septentrionalis*) in eastern North Carolina. The PBO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. The programmatic determination for NLEB for the NCDOT program is May Affect, Likely to Adversely Affect. The PBO provides incidental take coverage for NLEB and will

ensure compliance with Section 7 of the Endangered Species Act for five years for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Wayne County, where U-4407 is located. This level of incidental take is authorized from the effective date of a final listing determination through April 30, 2020.



Prepared By: Gry S. Purvis Date: 4/16/2019

Greg S. Purvis, PE

Wetherill Engineering, Inc.

—DocuSigned by:

Approved By:

Quessell E Broadnell

Date: 4/16/2019

Russell Broadwell PE Division Project Engineer

Chal Coggins Date: 4/22/2019

Chad Coggins

**Division Environmental Officer** 

# **PROJECT COMMITMENTS:**

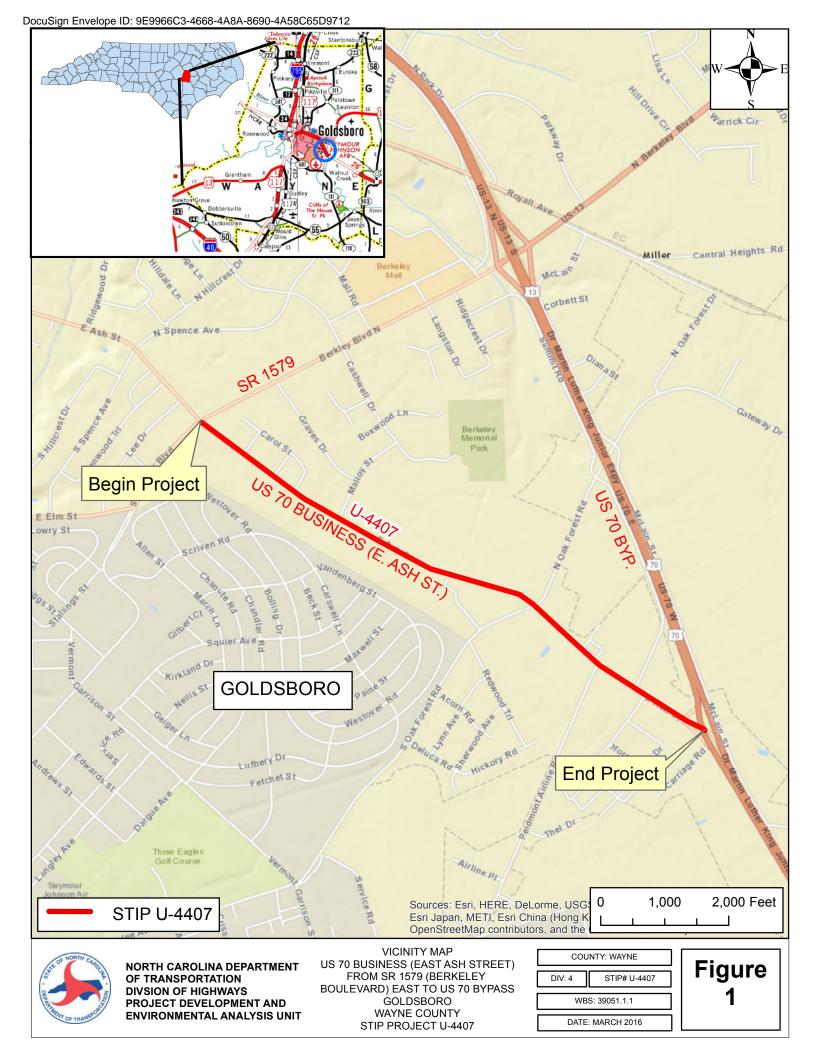
Wayne County
US 70 Business (Ash Street)
from Berkeley Boulevard to US 70
W.B.S. No. 39051.1.1
T.I.P. No. U-4407

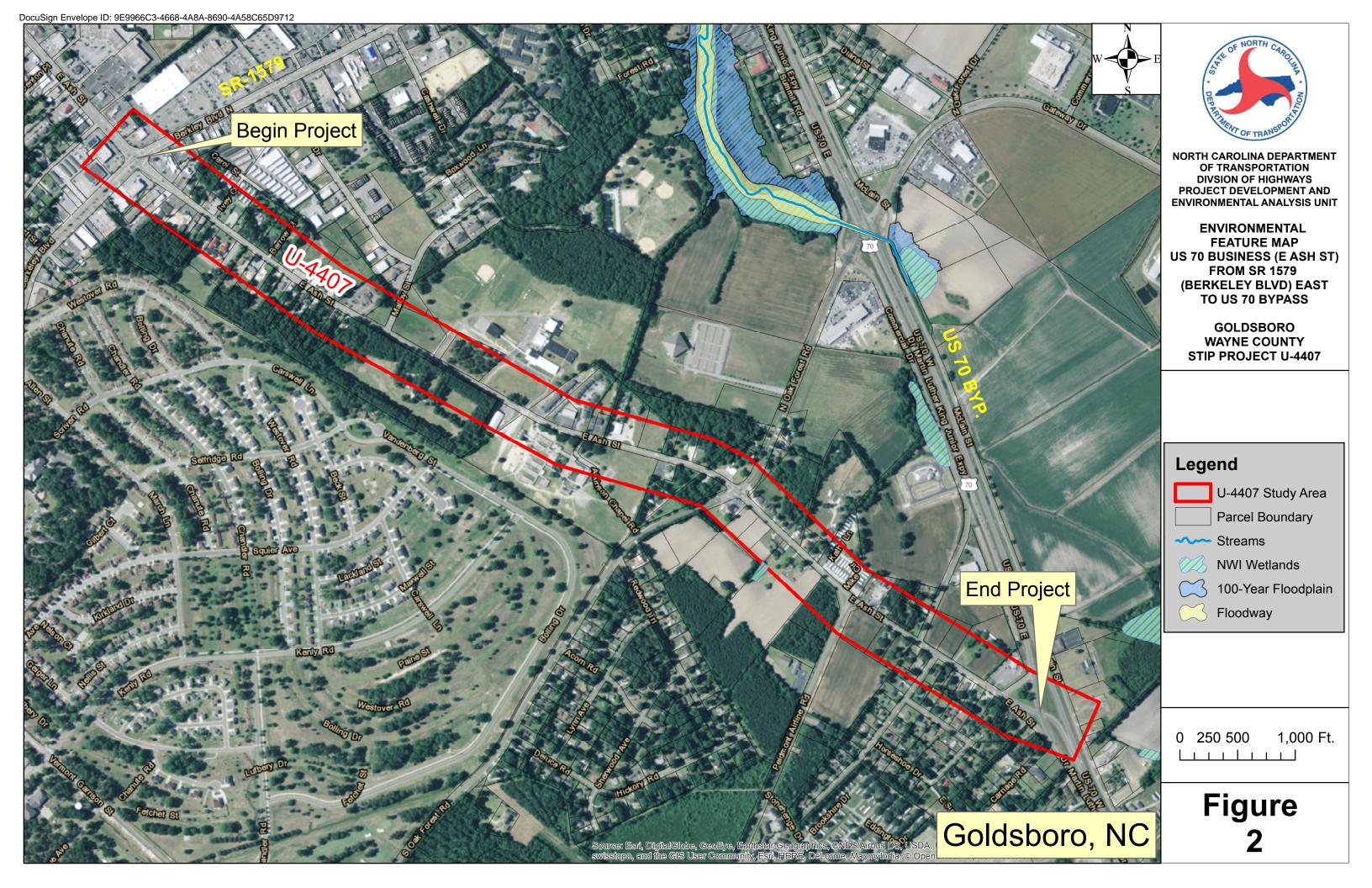
# Right-of-Way Acquisition:

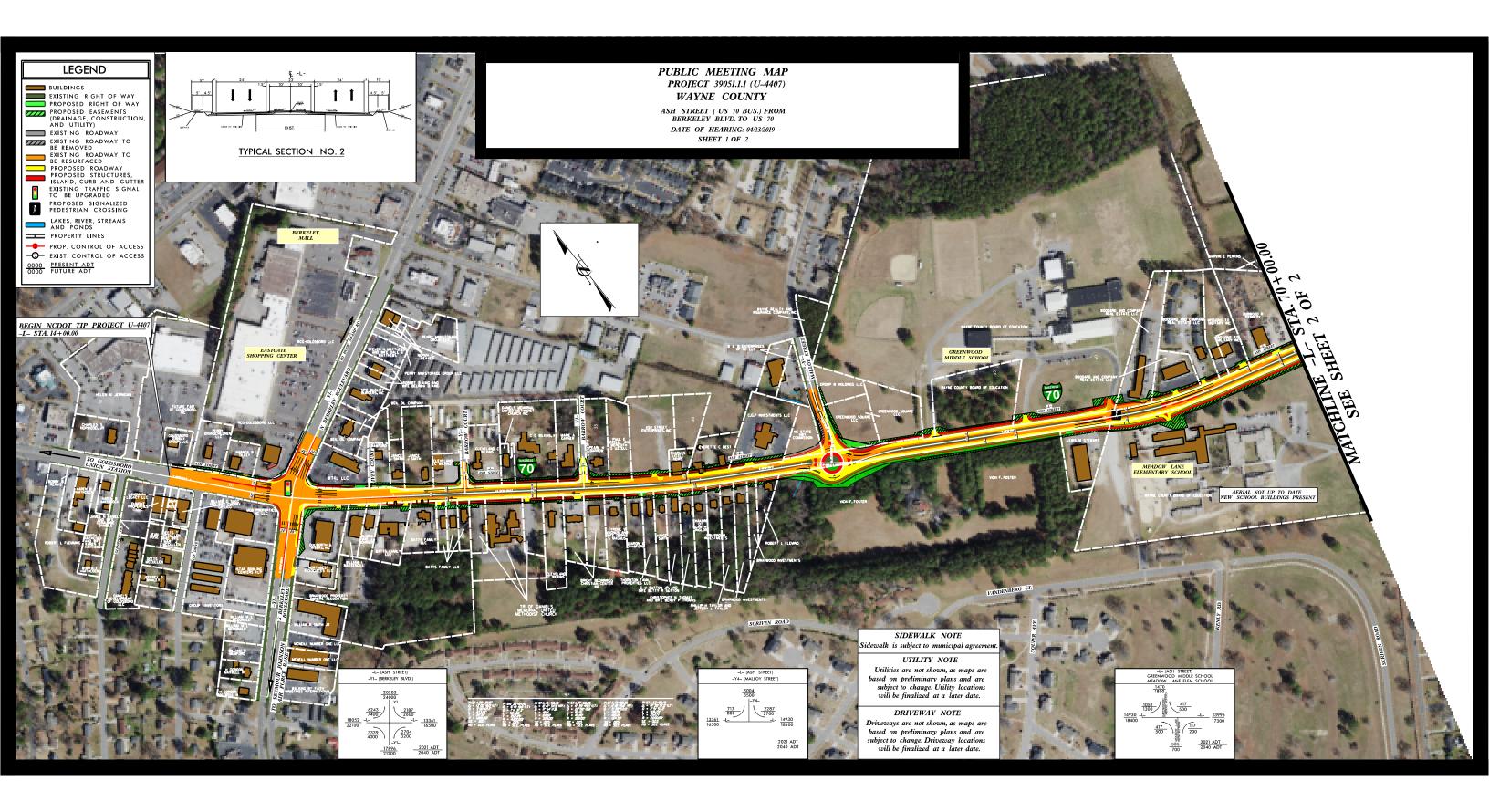
NCDOT's GeoEnvironmental Section will provide Right of Way Acquisition Recommendations for any contaminated parcels.

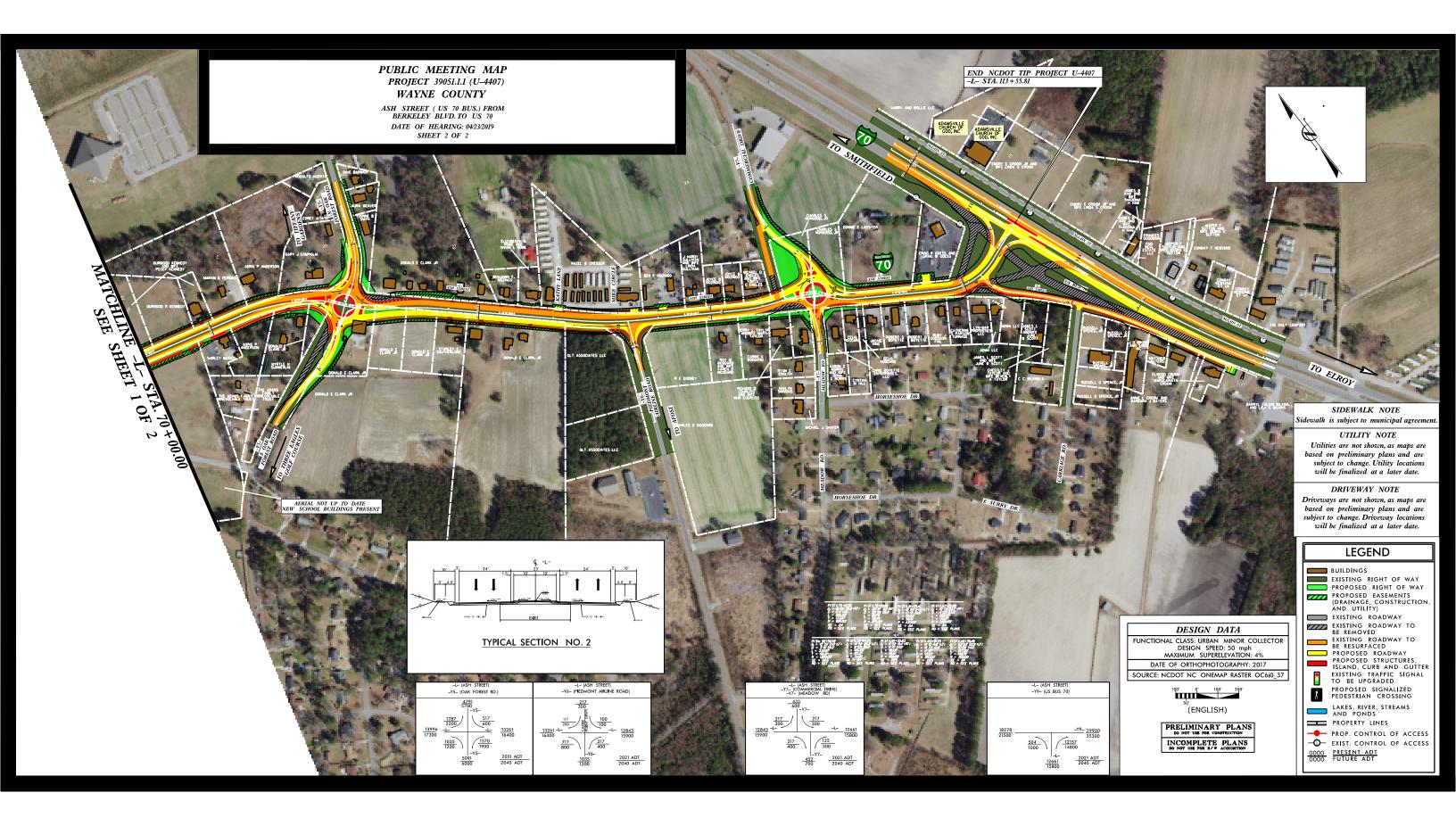
# **Contaminated Soil Management:**

A project special provision will be provided to direct the contractor to properly manage petroleum contaminated soil that is encountered during construction.







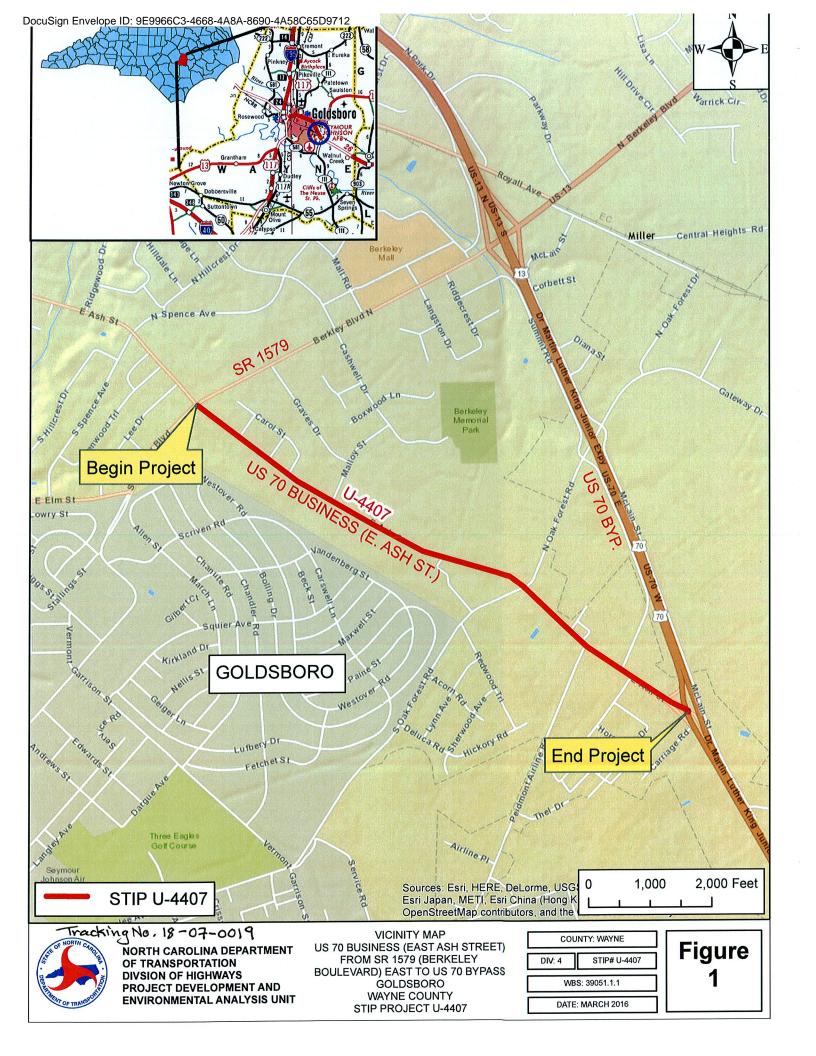


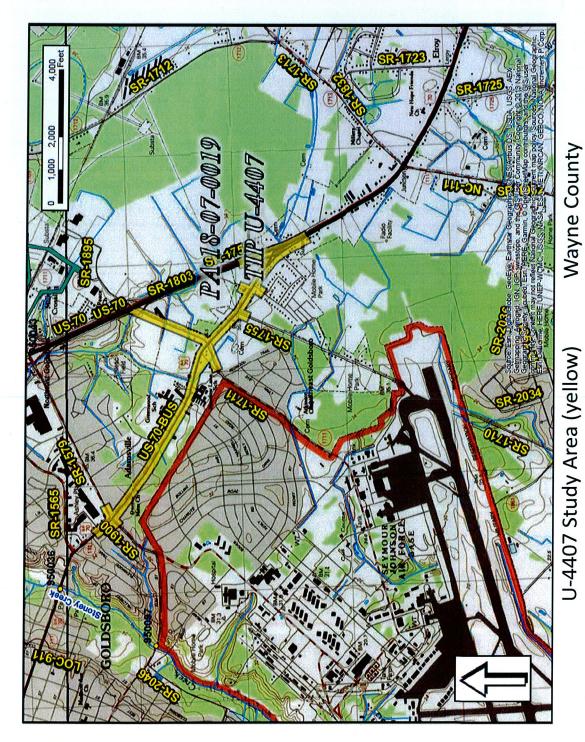


# HISTORIC ARCHITECTURE AND LANDSCAPES NO SURVEY REQUIRED FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

	Arc	chaeology Group.						
	PROJE	CT INFORMATION	ON					
Project No:	U-4407	County:	Wayne					
WBS No.:	39051.1.1	Document Type:						
Fed. Aid No:	-	Funding:	X State Fed	deral				
Federal Permit(s):	Yes X No	Permit Type(s):	-					
<b>Project Descripti</b> US 70 Bypass (M in review request	ion: Widen US 70 Busines artin Luther King Junior Ext.).	ss (Ash Street) from xpressway) in Golds	SR 1579 (Berkley B Sboro (no off-site de	Soulevard) to tour specified				
SUMMA	RY OF HISTORIC ARC	CHITECTURE AN	ID LANDSCAPES	REVIEW				
DESCRIPTION OF I	REVIEW ACTIVITIES, RESULT	S, AND CONCLUSIONS	: HPOWeb reviewed	d on 6				
December 2018 a	and yielded no NR, DE, SL	., LD, or SS propert	ies in the Area of Po	tential Effects				
(APE). Wayne Co	ounty current GIS mappin	g, aerial photograp	hy, and tax informat	tion indicated				
a developed APE	with multiple, predomina	ntly residential and	commercial resource	es. As the				
project is state fu	unded without any Federa	I involvement, only	GS 121-12(a) applie	es.				
No arch	itectural survey is requ	ired for the proje	ect as currently de	efined.				
WHY THE AVAILAL	BLE INFORMATION PROVIDE.	S A RELIABLE BASIS I	FOR REASONABLY PREI	DICTING THAT				
	IDENTIFIED SIGNIFICANT H							
THE PROJECT ARE	A: The APE equates with	the study area prov	vided in the review r	equest (see				
attached). The o	comprehensive county arc	hitectural survey (1	995-7), as well as la	iter				
investigations, re	corded no properties in th	ne APE. No Nationa	al Register-listed pro	perties are				
present in the AF								
This project is	compliant with North (	Carolina General	Statute 121-12(a)	. Should the				
project requir	re Federal funding, per	mits, or licenses,	please notify NCD	OOT Historic				
Architecture be	ecause review under So	ection 106 of the	<b>National Historic</b>	<b>Preservation</b>				
Act then will h	e required. Should the	e project limits o	r design change, p	lease notify				
NCDO1	F Historic Architecture	as additional rev	iew may be neces	sarv.				
Nebo	THOUSING AN CHITCHES IN							
SUPPORT DOCUMENTATION								
V M(-)		Photos	Correspondence	Design Plan				
X Map(s)	Previous Survey Info.		Jeonespondence					
	FINDING BY NCDOT							
Historic Architecture and Landscapes NO SURVEY REQUIRED								
Vanessac	2 John Co		7 Docember	r 2018				
NCDOT Archite	etural Historian		1 220011010	Date				
Historic Architect	cture and Landscapes NO SURVEY REQUIF	RED form for Minor Transportati	on Projects as Qualified in the 200	HistoricArchitecture and Landscapes NO SURVEY REQUIRED form for Minor Transportation Projects as Qualified in the 2007 Programmatic Agreemen				





Map from NCDOT—Archaeology (review form 7 December 2018) WBS No. 39051.1.1



# NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.



# PROJECT INFORMATION

Project No:	U-4407	County:	Wayne	
WBS No:	39051.1.1	Document:	MCC	
F.A. No:	N/A	Funding:	State	☐ Federal
Federal Permit Requ	ired? Y	es 🛭 No Permit	Type: na	

**Project Description:** NCDOT proposes widening improvements to US 70 Business (Ash Street) in Goldsboro, Wayne County. Portions of intersecting roads, like SR 1711 (N. Oak Forest Road), may be included in the project. The road will widen, in portions, from three lanes to four lanes with a median. The project length is about two miles (~11,000 feet). A width of about 300 feet was considered during this review. Preliminary design was provided to aid establishing the scale and nature of the work. For purposes of this archaeological review, the Area of Potential Effects is equivalent to the study area described above and shown in Figures 1 and 2. This is a state funded project with no anticipated other federal action through USACE permits. Therefore, NC General Statute 121-12(a) applies for archaeological compliance rather than Section 106 of the National Historic Preservation Act.

NCDOT Achitectural Historians will provide their own separate recommendations.

#### SUMMARY OF CULTURAL RESOURCES REVIEW

# Brief description of review activities, results of review, and conclusions:

USGS mapping, aerial photography from different years, historic mapping, virtual streetview and GIS data was examined. The project is heavily developed on along certain segments and urbanized. Bing streetview tools were very helpful in confirming these conditions.

According to USGS mapping and GIS resources (data layer created by NCDOT archaeologist Paul J. Mohler), no cemetery is present at the APE. One cemetery is present outside of the APE near the junction of US 70 and US 70 Business, though it is east of McLain Steet and should not be affected by the project.

The Office of State Archaeology was visited to review archaeological mapping and to reference known archaeological investigation. This helps establish an archaeological context for comparison. There are no known archaeological sites on record at the OSA, nor previous archaeological surveys of this APE. Therefore, there are no NRHP listed archaeological sites that will be affected by the state funded, unpermitted project.

For this undertaking, a widening of US 70 Business, the project overlaps existing disturbances though some expansion is expected. There are no recorded archaeological sites, including any listed (or eligible) for the NRHP. No new archaeological survey is recommended for this undertaking as currently proposed.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The scale and nature of the project is limited to improvements to the already existing US 70 Business in a moderately developed and disturbed setting. There are no documented archaeological sites on record within the APE, including any listed on the National Register of Historic Places. For purposes of archaeological review under NC GS 121-12(a), no archaeological survey is recommended.

Project Tracking No.:

18-07-0019

SUPPORT DOCUMENTATION						
See attached: Map(s) Previous Survey Info Photocopy of County Survey Notes	Photos Other:	Correspondence				
FINDING BY NCDOT ARCHAEOLOGIST						
NO ARCHAEOLOGY SURVEY REQUIRED						
Bural Out		12/07/2018				
NCDOT ARCHAEOLOGIST		Date				

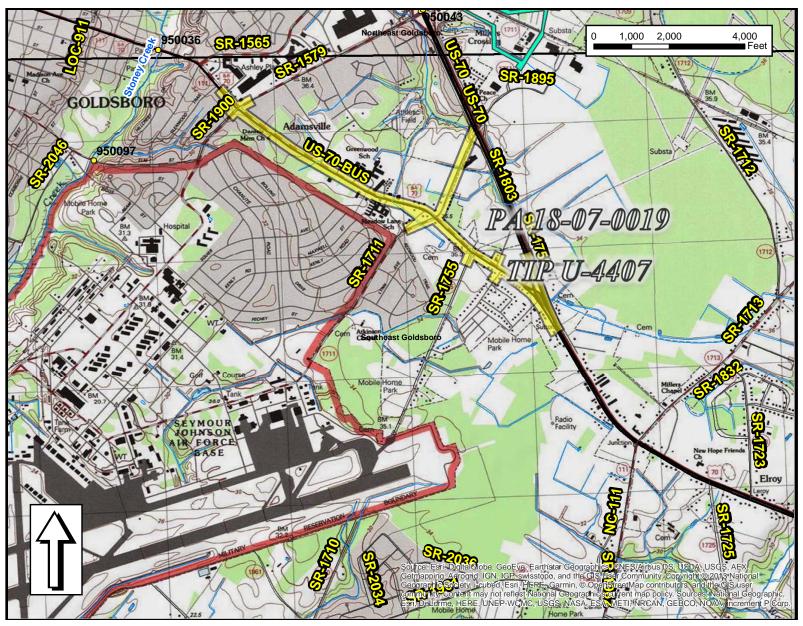


Figure 1. Vicinity of TIP # U-4407 / PA 18-07-0019, proposed widening of US 17 Business near Goldsboro in Wayne County shown on USGS mapping (Southeast Goldsboro). The approximated APE is shown in yellow.



Figure 2. Aerial map of TIP # U-4407 / PA 18-07-0019 showing the level of development bordering the proposed improvements to US 70 Business. The approximate APE is highlighted in yellow.