

ENVIRONMENTAL COMMITMENTS TABLE

PH#: 751580 | County: Fulton | Date Updated: 6/11/12 | Stage: (Design)
Date on Plans Reviewed by OES: Plans Not Available

These commitments are feasible.
(must be checked at all stages)

Project Manager (PM) Marlo Clowers
PM Signature/Date *Marlo Clowers* 6/12/12

Plans incorporate the commitments.
(must be checked to certify for letting)

Engineer of Record (EOR) *Carol Stearns*
EOR Signature/Date *Carol Stearns* 6/12/12

Air/Noise *[Signature]* Arch
Eco *[Signature]* Hist
NEPA *[Signature]*

A. Resources to be Delineated on the Plans and/or Listed in the Environmental Resource Impact Table (ERIT)

Resource Name	Additional Information (refer to the SP, plan note, design feature, permit, variance, commitment, etc...)	Name and Date of Report or Transmittal	Correctly Shown?	
			Plan Sheet	ERIT
A-1 Water: Non-buffered State Water 1	No impact	Ecology Addendum - March 2012	Yes	Yes
A-2 Water: Non-buffered State Water 2	157 feet of piping impact to a non-buffered drainage ditch	Ecology Addendum - March 2012	Yes	Yes
A-3 Water: IS 3	62 linear feet of piping impact, 30 linear feet of rip-rap impact; Please refer to Plan Note C-1 and Permit D-2	Ecology Addendum - March 2012	Yes	Yes
A-4 Buffer: IS 3	No impact, perpendicular crossing	Ecology Addendum - March 2012	Yes	Yes
A-5 Migratory Birds	Please refer to Plan Note SP B-1	Ecology Addendum - March 2012	Not Req'd	Yes

B. Special Provisions (Attach all special provisions to the commitments table, if available)

Special Provision	Purpose	Est. Cost	SP's Latest Date
B-1 SP 107.23G	For the protection of migratory birds	Negligible	5/16/2012

C. Plan Notes and Design Features (Description: For plan notes, provide exact wording in "quotes" and approximate location)

Purpose	Description	Est. Cost	Correctly Shown?
C-1 Protect Resources	Indicate and install orange barrier fencing around IS 3 and its buffer. Include the following note on all plan sheets with affected resource: "Stay Off"	Negligible	Yes

D. Permits, Buffer Variances and Mitigation Credits

Permit, Variance, etc	Additional Information (permit details, number of credits needed, etc...)	Est. Cost	Acquired?
D-1 Notice of Intent (NOI) for NPDES	The Office of Bidding Administration and Construction Contractor will submit a NOI to the NPDES General Permit following award of the contract but prior to construction.	Negligible	Will be acquired following letting
D-2 Section 404 NWP 14	A NWP 14 needs to be acquired for IS 3 by the contractor. The permit must be acquired prior to construction.	Negligible	No

E. Other Commitments or Requirements (Status: Pre- and Post - Complete or Incomplete; During - Signature Req'd)

Pre-, During, or Post	Commitment	Responsible party	Est. Cost	Status
	None			

Total Estimated Cost Negligible

If Project is Complete or Under Construction, Area or Construction Engineer affirms that all Special Provisions, Plan Notes and During Construction Commitments were or are being adhered to during the project's construction.

Please Print Name and Title: _____ Signature: _____ Date: _____ Please provide an explanation if unable to sign.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL PROVISION

PROJECT: NH000-0056-01(061)
FULTON COUNTY, PI#S 751580

Section 107 – Legal Regulations and Responsibility to the Public

Add the following to Subsection 107.23:

G. Protection of Federally Protected Environmentally Sensitive Species

The following conditions are intended as a minimum to protect these species and their habitat during any activities that are in close proximity to the known or potential location(s) of these species.

1. The Contractor shall advise all project personnel employed to work on this project about the potential presence and appearance of Eastern phoebes (*Sayornis phoebe*), cliff swallows (*Petrochelidon pyrrhonota*) or barn swallows (*Hirundo rustica*), and that there are civil and criminal penalties for harming, harassing, or killing these species, which are protected under the Migratory Bird Treaty Act of 1918. Pictures and habitat information will be provided to the Contractor at the preconstruction conference.
2. Except for those structures where appropriate exclusionary barriers have been installed as described below (see Item #3) and successfully prevent the nesting of migratory bird species within the structures, all culvert extension, demolition or removal activities at the following listed structures shall take place outside of the period from April 1st through August 31st:
 - the Northridge Road bridge over SR 400, located at Station 216 + 04
3. Exclusionary devices that are proposed by the contractor may be installed prior to March 1st, but after August 31st. The following requirements must be met in order for exclusionary devices to be considered appropriate:
 - a. Prior to the installation of any exclusionary devices, the project ecologist must be notified by phone at (404) 631-1447 or (404) 631-1100, or by email at dchamblin@dot.ga.gov of the decision to install exclusionary devices and the date of installation.
 - b. Project personnel shall be alert to the possibility of migratory bird nesting activity taking place earlier than is typically known to occur, or previously unnoticed nesting migratory birds that have become trapped within the structure subsequent to exclusionary device installation. If, at any time immediately prior to, during or after exclusionary device installation, such occurrences are observed, all construction/demolition/removal activity on the structure(s) must immediately cease and be postponed until after August 31st, the exclusionary devices shall be immediately removed, and the project ecologist shall be immediately notified as described above. Only if nests are not found or existing nests are unoccupied is the installation of exclusionary devices permissible.
 - c. If the exclusionary device fails to prevent nesting of protected migratory birds in the existing structure, the device shall be immediately removed and all construction/demolition/removal activities associated with the structure must be postponed until after August 31st when the nesting season is complete.
4. In the event any incident occurs that causes harm to Eastern phoebes, cliff swallows or barn swallows, the Contractor shall report the incident immediately to the Project Engineer who in turn shall notify the GDOT Office of Environmental Services at 404-631-1100. In the event of possible harm to Eastern phoebes, cliff swallows or barn swallows, all activity shall cease pending consultation by the Department with the U. S. Fish and Wildlife Service and the lead Federal Agency.
5. Following project completion, a report summarizing any incidents with Eastern phoebes, barn swallows or cliff swallows shall be submitted by the Contractor to the Project Engineer, who in turn shall submit the report to the Georgia Department of Transportation, Office of Environmental Services, 600 W. Peachtree St., 16th Floor, Atlanta, GA 30308. All costs pertaining to any requirement contained herein shall be included in the overall bid submitted unless such requirement is designated as a separate Pay Item in the Proposal.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 751580 **OFFICE** Environmental Services
GB/jlc **DATE** ~~06/12/2012~~ 6/29/12^{-mH}
FROM Glenn Bowman, P.E., State Environmental Administrator
TO Daryl VanMeter, P.E., Administrator – Office of Innovative Program Delivery
Attn: Marlo Clowers
SUBJECT Georgia Environmental Policy Act (GEPA) Compliance and 404 Compliance

The following project has been reviewed for GEPA compliance:

Fulton County, P.I. No. 751580 – State Route 400 (SR 400)/US19 @ CR
145/Northridge Road

Please find attached the Environmental Checklist, a project location map for the referenced project (Figure 1, Project Location), and an attachment detailing effects (Attachment 1, Effects Evaluation). The project consists of widening along Northridge Road. Widening improvements would include additional signage for the northbound exit ramp from SR 400, additional through lanes on Northridge Road to accommodate improved traffic flow, and a replacement of the existing bridge. The proposed project would widen the northbound and southbound entrance and exit ramps, replace the Northridge Road bridge over SR 400, Northridge Road, Dunwoody Place and Roberts Drive. The northbound entrance will be on new location and terminate approximately 1,900 feet north of its current location. The project would terminate at the existing five lane section of Northridge Road just west of Dunwoody Place, which would provide a consistent five lane section along Northridge Road. The total length of the project is 0.40 miles.

In accordance with the Georgia Environmental Policy Act (GEPA), an Air Quality Assessment, Ecology Assessment, No Historic Properties Affected, and Archaeology Short Form were completed and concurred upon for this project. It was determined that this project would have:

- No impacts to cultural resources
- No impacts to any wetlands
- 92 linear feet (0.006 acre) of piping and rip-rap impact to 1 intermittent stream
- 157 feet of piping to non-buffered state water 2 (drainage ditch feature)
- Section 404 NWP 14 Required
- Migratory Bird Habitat Present, SP 107.23G for Migratory Birds Prepared
- No impacts to federally or state protected species
- Minor impacts to Air Quality during construction; however, in compliance with all State and Federal regulations

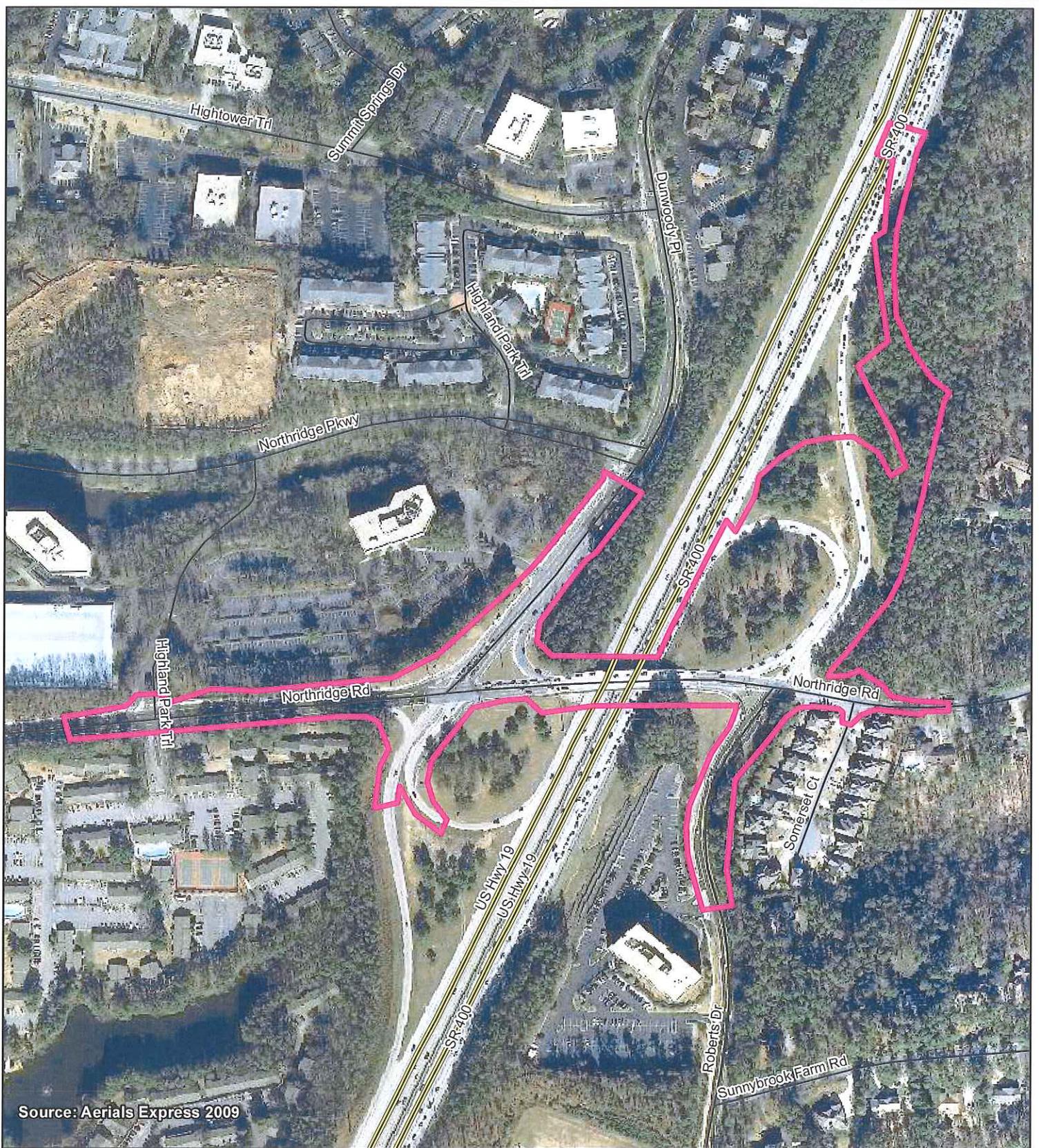
A Section 404 permit is required. Prior to construction a Section 404 NWP 14 will need to be acquired. Additionally, this project will require a National Pollutant Discharge Permit (NPDES) because there will be a disturbed area greater than 1 acre. The permit will be obtained by the contractor. In accordance with MOG Number 4415, GEPA Section B, the proposed project is of a type which may significantly adversely affect the quality of the environment; however, upon review, it was determined that the project would not significantly adversely affect the quality of the environment. It has been determined that the project is in compliance with GEPA regulations.

GB/JC/jjn

c: Lisa Westberry

ENVIRONMENTAL CHECK LIST
Fulton County
PI No. 751580

	Georgia Area/Category	Is Area Affected?			If Affected, How Severely?		
		Yes	No	Unknown	Minor	Median	Major
1.	Wetlands	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Floodplain/River Corridor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Water Supply	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Water Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Ground Water Recharge Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Storm Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Waste Water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Air Quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Solid Wastes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Soil Stability/Erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Protected Mountains	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Endangered Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Critical Habitats	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Historical	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Archaeological	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Parks/Recreation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.	Energy Supplies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.	Beaches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19.	Dunes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20.	Shoreline	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21.	Estuary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22.	Forest Land	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23.	Barrier Island	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24.	Aquatic Life/Trout Streams	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Source: Aerials Express 2009



LEGEND

-  Survey Area
-  Roadways

Figure 1: Project Area

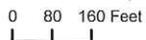
P.I. No. 751580
Fulton County, Georgia

State Route 400 at Northridge Road -
Interchange and Ramp Improvements

N



1:4,500



GEPA – TYPE B LETTER
ATTACHMENT 1 – EFFECTS EVALUATION
PI NO. 751580
FULTON COUNTY

Project Description

PI Number 751580, funded entirely with State monies, consists of approximately 0.4 mile of widening along Northridge Road. Widening improvements would include additional signage for the northbound exit ramp from SR 400, additional through lanes on Northridge Road to accommodate improved traffic flow, and a replacement of the existing bridge. The proposed project would also widen the northbound and southbound entrance and exit ramps, and replace the Northridge Road bridge over SR 400, Northridge Road, Dunwoody Place and Roberts Drive. The northbound entrance would be on new location and terminate approximately 1,900 feet north of its current location. The project would terminate at the existing five-lane section of Northridge Road just west of Dunwoody Place, which would provide a consistent five-lane section along Northridge Road.

The Northridge Road existing typical section consists of two 9.5-foot travel lanes in each direction with one 10-foot center left-turn lane, curb and gutter, and a 5-foot sidewalk. The width of the right-of-way (ROW) varies; it is 60 feet on the east side of SR 400, and 100 feet on the west side of SR 400. The existing bridge is a four-span, concrete deck and steel plate girder on concrete bent structure. The bridge is 289 feet long and 61 feet wide with a sidewalk on south side of the bridge. The sufficiency rating of the structure is 54.5. The proposed typical section would consist of four 11-foot travel lanes, one 11-foot center left-turn lane, 10-foot urban shoulders that include curb-and-gutter and a 5-foot sidewalk on the south shoulder, and an 11-foot auxiliary lane from SR 400 northbound to Dunwoody Place northbound. The proposed bridge is approximately 350 feet long and 90 feet wide. The proposed ROW would vary between 60 to 118 feet. The project would provide capacity and operational improvements to the SR 400 ramps at Northridge Road as well as the intersections of Northridge Road at Dunwoody Place and Roberts Drive.

Effects Evaluation

4. Water Resources

Jurisdictional Waters of the U.S. are defined by 33 CFR Part 328.3(b) and are protected by Section 404 of the Clean Water Act (33 USC 1344). State Waters are defined by the Official Code of Georgia 12-7-1 and protected by the Georgia Erosion and Sedimentation Control Act of 1975. In compliance with the National Pollutants Discharge System (NPDES) permit under Section 402 of the Clean Water Act, any encroachment within the designated 25-foot or 50-foot buffer of a state water will be described and the need for a variance would be indicated.

The project area is located in the Upper Chattahoochee Watershed (HUC 03130001), which has been designated as a priority watershed by the Environmental Protection Agency (EPA). The project was surveyed in August 2011 and in February 2012.

Non-buffered State Water 1

Non-buffered State Water 1 is located to the west side of the SR 400 southbound entrance ramp, within the maintained ROW, and along the entrance ramp shoulder's toe of slope. The channel is approximately 1 to 2 feet wide and 1 foot deep. The substrate is predominantly clay with no observed flowing water or pooled water. This channel does not have an ordinary high water mark and hydric soils were not observed within the channel bed. This channel receives storm water runoff from a small maintained area located on the south side of Northridge Road. Non-buffered State Water 1 is a non-buffered drainage ditch because it does not have wretched vegetation by normal stream flow, indicators of groundwater-induced base flow, or hydric soils. This ditch does not have an ordinary high water mark. Non-buffered State Water 1 is neither a trout stream nor a 2010 303(d)-listed channel. Non-buffered State Water 1 is outside of the project area and would not be impacted by the proposed project.

Non-buffered State Water 2

Non-buffered State Water 2 is located to the east side of the SR 400 northbound entrance ramp shoulder. From the 36-inch pipe under the ramp, the channel consists of a 5-foot wide concrete flume and then a rip-rap stone lined channel for a total length of approximately 157 feet. From the end of the flume, the channel is substantially eroded and incised. The substrate is predominantly clay and rip-rap stone with no observed flowing water or pooled water. This channel does not have an ordinary high water mark and hydric soils were not

observed within the channel bed. Based on the substantial bank erosion and channel armoring, this channel appears to receive a substantial volume of storm water runoff from SR 400 in the area north of Northridge Road. Non-buffered State Water 2 is a non-buffered drainage ditch because it does not have wretched vegetation by normal stream flow, indicators of groundwater-induced base flow, or hydric soils. This ditch does not have an ordinary high water mark. Non-buffered State Water 2 is neither a trout stream nor a 2010 303(d)-listed channel. For the new northbound SR 400 entrance ramp, approximately 157 linear feet of non-buffered State Water 2 would be piped with a 36-inch pipe.

Intermittent Stream 3

Intermittent Stream 3 (IS 3) is a low quality, fully-impaired intermittent stream that receives stormwater runoff from non-buffered State Water 2. IS 3 is approximately 3 to 4 feet wide and 1 foot deep. Due to the extensive piping and armoring, the channel bankfull dimensions cannot be estimated. The channel substrate is clay and gravel. Based upon the observation of an ordinary high water mark and soil based evidence of a high water table, this stream appears to be a jurisdictional water of the U.S. and buffered state water. IS 3 is not a trout stream or listed on the 2010 303(d) List. IS 3 is a fully-impaired stream due to substantial erosion and incision and does not provide suitable habitat for protected species.

The IS 3 buffer vegetation includes loblolly pine (*Pinus taeda*), sweetgum (*Liquidambar styraciflua*), northern red oak (*Quercus rubra*), tulip poplar (*Liriodendron tulipifera*), shortleaf pine (*Pinus echinata*), and red maple (*Acer rubrum*). The IS 3 state water buffer impacts would not require a buffer variance application because of the exemption for the proposed perpendicular crossing. For the new northbound SR 400 entrance ramp, approximately 62 linear feet (0.004 acre) with a 36-inch pipe and bank armoring impact for placement of rip-rap stone in 30 linear feet (0.002 acre).

Impacts to IS 3 would include piping 62 linear feet (0.004 acre) and bank armoring impact for placement of rip-rap stone in 30 linear feet (0.002 acre). The IS 3 state water buffer impacts would not require a buffer variance application because of the exemption for the proposed perpendicular crossing. Since adverse impacts would be below 100 linear feet and 0.1 acre, no mitigation would be required for the proposed project.

6. Storm Water

While this project would increase the amount of impervious surface in the project area, the impact would be minimal to the volume of stormwater runoff. It is not anticipated that this project would contribute to an increase in the amount of stormwater runoff to the point where there would be damage or a threat to property downstream. Additionally, it is not expected that the project would contribute to a sizeable increase in contamination or a decrease in water quality based on stormwater runoff.

8. Air Quality

The Clean Air Act (CAA) section 176(c) requires that federal transportation projects are consistent with state air quality goals, found in the State Implementation Plan (SIP). The process to ensure this consistency is called Transportation Conformity. Conformity to the SIP means that transportation activities will not cause new violations of the national ambient air quality standards (NAAQS), worsen existing violations of the standards, or delay timely attainment of the relevant standard. This project was evaluated for its consistency with state and federal air quality goals, including Carbon Monoxide (CO), Ozone, $PM_{2.5}$ and MSATs as part of this assessment. Results indicated that the project is consistent with the SIP for the attainment of clean air quality in Georgia and complies with both state and federal air quality standards.

Ozone

This project is in an area where the SIP contains transportation control measures. The CAA requires Transportation Plans and Transportation Improvement Programs (TIP) in areas not meeting the NAAQS to conform to the emissions budget of the SIP for air quality. *Plan 2040* Regional Transportation Plan (RTP) is the current adopted plan for the Atlanta area showing the region's highest transportation priorities. It was adopted by the Atlanta Regional Commission (ARC) on July 27, 2011 and approved by the U.S. Department of Transportation on September 6, 2011. This project is identified in the *Plan 2040* FY 2012 –2017 TIP by reference number FN-AR-191.

Fine Particulate Matter ($PM_{2.5}$)

Transportation conformity is required for federal transportation projects in areas that have been designated by the EPA as not meeting the NAAQS. These areas are called nonattainment areas if they currently do not meet air quality standards or maintenance areas if they have previously violated air quality standards, but currently meet them and have an approved maintenance plan. On January 5, 2005, the EPA designated a 20+ county metro-

Atlanta nonattainment area for fine particulate matter, called PM2.5. This designation became effective on April 5, 2005, 90 days after EPA's published action in the Federal Register. Transportation Conformity for the PM2.5 standards applies as of April 5, 2006, after the one year grace period provided by the CAA. Metropolitan PM2.5 nonattainment areas are now required to have a TIP and long range transportation plan (LRTP) that conforms to the PM2.5 standard.

This project has been evaluated by the FHWA. On January 18, 2012, it was determined that because this project is funded entirely with state monies the project does not require a PM2.5 evaluation.

Carbon Monoxide (CO)

The project was evaluated for the potential to result in increased CO concentrations in the project area. As a result of the above thresholds, a "hot-spot" analysis was conducted at the SR 400 interchange with Northridge Road. Results from this intersection are considered "worst-case", and are representative for the project area. The years modeled included the existing year (2011), project open year (2014), and future design year (2034).

The peak one-hour concentrations at each receptor are presented in Table 1. The highest concentrations for each year are highlighted in the table. The state of Georgia and the federal government set the maximum acceptable CO concentration at 9 ppm averaged over a continuous eight -hour period, or 35 ppm for a maximum one-hour averaging time. The maximum one-hour concentration under the existing condition (2011) was 3.5 ppm. The maximum one-hour concentration for the first year of operation (2014) and design year (2034) was 3.4 ppm and 3.0 ppm, respectively. The one-hour concentrations for the existing, first year of operation and design years were determined to be less than the eight-hour standard of 9 ppm; therefore, eight -hour concentrations were not calculated. There were no sensitive receptors identified within the project area.

Table 1
 Predicted Highest One-Hour Concentrations (ppm)

Receptor No.	Existing Year 2011	Base Year 2014	Design Year
1	3.5	3.4	3.0
2	2.6	2.4	2.0
3	2.2	2.0	1.7
4	1.8	1.8	1.7
5	2.5	2.5	2.2
6	3.0	2.8	2.6
7	3.1	2.7	2.5
8	3.4	2.7	2.4
9	2.6	2.4	2.1
10	3.3	2.9	2.6
11	2.8	2.3	2.2
12	3.1	2.8	2.4

Source: Edwards-Pitman Environmental, Inc. 2011

Mobile Source Air Toxics (MSATs)

For the alternative in the GEPA Type B letter, the amount of MSATs emitted would be proportional to the VMT, assuming that other variables such as fleet mix are the same for each alternative. The VMT estimated for the Build Alternative is the same as that for the No-Build Alternative, because there is no increase in capacity. Refer to Table 2.

Table 2
 Vehicle Miles Traveled

Location	Existing Year (2011)	Open Year (2014)	Design Year (2034)	No-Build Year (2034)
Northridge Road at SR 400	12,240	12,410	13,700	13,700

Note: VMT has been calculated as the Average Daily Traffic (ADT) [30,600 (Existing Year), (31,025 Base Year), (34,250 Design & No-Build Years)] multiplied by the project length of 0.4 mile along Northridge Road.

Source: Kimley-Horn and Associates, Inc. 2011

Because the estimated VMT between the Build and No-Build alternatives are the same, it is expected there would be no appreciable difference in overall MSAT emissions among the various alternatives. Also, regardless of the alternative chosen, emissions will likely be lower than present levels in the design year as a result of EPA's national control programs that are projected to reduce annual MSAT emissions by 72 percent between 1999 and 2050. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. However, the magnitude of the EPA-projected reductions is so great (even after accounting for VMT growth) that MSAT emissions in the study area are likely to be lower in the future in nearly all cases.

Additionally, on a regional basis, EPA's vehicle and fuel regulations, coupled with fleet turnover, will over time cause substantial reductions that, in almost all cases, will cause region-wide MSAT levels to be significantly lower than today.

Regardless of the alternative chosen, emissions will likely be lower than present levels in the design year as a result of EPA's national control programs that are projected to reduce annual MSAT emissions by 72% between 1999 and 2050. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. However, the magnitude of the EPA-projected reductions is so great (even after accounting for VMT growth) that MSAT emissions in the study area are likely to be lower in the future in nearly all cases.

Construction

All phases of construction operations would temporarily contribute to air pollution. Particulates would increase slightly in the corridor as dust from construction collects in the air surrounding the project. The construction equipment would also produce slight amounts of exhaust emissions. The rules and regulations for air quality control outlined in chapter 391-3-1, *Rules of Georgia Department of Natural Resources' Environmental Protection Division*, would be followed during the construction of the project. These include covering earth-moving trucks to keep dust levels down, watering haul roads, and refraining from open burning, except as may be permitted by local regulations.

The EPA has listed a number of approved diesel retrofit technologies; many of these can be deployed as emissions mitigation measures for equipment used in construction. This listing can be found at www.epa.gov/otaq/retrofit/retroverifiedlist.htm.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Fulton County

PI No. 751580

GEPA Type B Letter

ATTACHMENT 2

CORRESPONDENCE



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

WILDLIFE RESOURCES DIVISION

MARK WILLIAMS
COMMISSIONER

DAN FORSTER
DIRECTOR

October 11, 2011

Taylor Young
Kimley-Horn and Associates, Inc.
2 Sun Court
Suite 220
Norcross, GA 30092

Subject: Known occurrences of natural communities, plants and animals of highest priority conservation status on or near Sr 400 at Northridge Road - Interchange and Ramp Improvements, Fulton County, Georgia

Dear Mr. Young:

This is in response to your request of September 12, 2011. According to our records, within a three-mile radius of the project site there are the following Natural Heritage Database occurrences:

- GA *Cambarus howardi* (Chattahoochee Crayfish) [HISTORIC?] in the Chattahoochee River
- GA *Cyprinella callitaenia* (Bluestripe Shiner) [HISTORIC] approx. 1.5 mi. N of site in Big Creek
- GA *Cypripedium acaule* (Pink Ladyslipper) approx. 1.5 mi. N of site
- GA *Elliptio arcata* (Delicate Spike) [HISTORIC] approx. 2.5 mi. SW of site in the Chattahoochee River
- US *Hamiota subangulata* (Shinyrayed Pocketbook) [HISTORIC] approx. 1.5 mi. NE of site in the Chattahoochee River
- GA *Notropis hypsilepis* (Highscale Shiner) approx. 1.5 mi. N of site in Big Creek
- GA *Notropis hypsilepis* (Highscale Shiner) approx. 2.5 mi. N of site in Big Creek
- Panax quinquefolius* (American Ginseng) approx. 1.5 mi. NE of site
- Quadrula infucata* (Sculptured Pigtoe) [HISTORIC] approx. 1.5 mi. N of site in the Chattahoochee River
- Quadrula infucata* (Sculptured Pigtoe) [HISTORIC] approx. 2.5 mi. SW of site in the Chattahoochee River
- US *Rhus michauxii* (Dwarf Sumac) approx. 2.5 mi. NW of site
- GA *Schisandra glabra* (Bay Star-vine) approx. 2.5 mi. E of site
- GA *Schisandra glabra* (Bay Star-vine) approx. 2.5 mi. SW of site
- GA *Schisandra glabra* (Bay Star-vine) approx. 3.0 mi. E of site
- GA *Schisandra glabra* (Bay Star-vine) approx. 1.5 mi. N of site
- GA *Schisandra glabra* (Bay Star-vine) approx. 1.5 mi. NE of site

GA *Schisandra glabra* (Bay Star-vine) approx. 2.0 mi. N of site
Big Trees Nature Preserve [GA DNR] approx. 1.5 mi. SW of site
CHATTAHOOCHEE RIVER NATIONAL RECREATION AREA [NATIONAL PARK
SERVICE] approx. 1.0 mi. NE of site
Chattahoochee River Greenway [GA DNR] approx. 1.5 mi. NE of site
Morgan Falls Bat Cave approx. 3.0 mi. SW of site

* Entries above preceded by "US" indicates species with federal status (Protected, Candidate or Partial Status). Species that are federally protected in Georgia are also state protected; "GA" indicates Georgia protected species.

Recommendations:

We have no records of high priority species or habitats within the project area. However, two federally listed species, *Hamiota subangulata* (Shinyrayed Pocketbook) [HISTORIC] and *Rhus michauxii* (Dwarf Sumac) are within three miles of the proposed project. Section 9 of the Endangered Species Act states that taking or harming of a listed species is prohibited. We recommend all requestors with projects located near federally protected species consult with the United States Fish and Wildlife Service. For southeast Georgia, please contact Strant Colwell (912-265-9336, ext.30 or Strant_Colwell@fws.gov). In southwest Georgia, please contact John Doesky (706-544-6999 or John_Doesky@fws.gov). In north Georgia, please contact Robin Goodloe (706-613-9493, ext.221 or Robin_Goodloe@fws.gov).

We recommend that stringent erosion control practices be used during construction activities and that vegetation is re-established on disturbed areas as quickly as possible. Silt fences and other erosion control devices should be inspected and maintained until soil is stabilized by vegetation. Please use natural vegetation and grading techniques (e.g. vegetated swales, turn-offs, vegetated buffer strips) that will ensure that the road or ROW does not serve as a conduit for storm water or pollutants into the water during or after construction. These measures will help protect water quality in the vicinity of the project as well as in downstream areas.

NEW - Data Available on the Nongame Conservation Section Website - NEW

NEW Georgia protected plant and animal profiles are available on our website. Originating with the State Wildlife Action Plan, a strategy guiding conservation in Georgia, the accounts cover basics like descriptions and life history, as well as threats, management recommendations and conservation status. Visit <http://www.georgiawildlife.com/node/2223?cat=6>.

By visiting the Nongame Conservation Section Website you can view the highest priority species and natural community information by Quarter Quad, County and HUC8 Watershed. To access this information, please visit our GA Rare Species and Natural Community Information page at: <http://www.georgiawildlife.com/conservation/species-of-concern?cat=conservation>

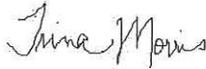
An ESRI shape file of our highest priority species and natural community data by quarter quad and county is also available. It can be downloaded from:
<http://georgiawildlife.com/sites/default/files/uploads/wildlife/nongame/zip/gnhpds.zip>

Disclaimer:

Please keep in mind the limitations of our database. The data collected by the Nongame Conservation Section comes from a variety of sources, including museum and herbarium records, literature, and reports from individuals and organizations, as well as field surveys by our staff biologists. In most cases the information is not the result of a recent on-site survey by our staff. Many areas of Georgia have never been surveyed thoroughly. Therefore, the Nongame Conservation Section can only occasionally provide definitive information on the presence or absence of rare species on a given site. Our files are updated constantly as new information is received. **Thus, information provided by our program represents the existing data in our files at the time of the request and should not be considered a final statement on the species or area under consideration.**

If you know of populations of highest priority species that are not in our database, please fill out the appropriate data collection form and send it to our office. Forms can be obtained through our web site (<http://www.georgiawildlife.com/node/1376>) or by contacting our office. If I can be of further assistance, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Katrina Morris".

Katrina Morris
Environmental Review Coordinator

Ecology Resource Survey
And
Assessment of Effects Report

Project Number: NH000-0056-01(061)
P.I. Number 751580
SR 400/US 19 @ CR 145/Northridge Road
Fulton County

Prepared by:
Kimley-Horn and Associates, Inc.
2 Sun Court, Suite 220
Norcross, GA 30092

Prepared for:
Georgia Department of Transportation Office of Environmental Services
One, Georgia Center
600 West Peachtree Street NW, 16th Floor
Atlanta, Georgia 30308

Written by: 

Date: December 12, 2011

Executive Summary

Georgia Department of Transportation (GDOT) Project PI Number 751580, NH000-0056-01(061) is located in Sandy Springs, Georgia in Fulton County. The proposed project will make improvements to the State Route (SR) 400 and Northridge Road interchange, including: widening the northbound and southbound entrance and exit ramps, widening the existing Northridge Road bridge over SR 400, widening Northridge Road, Dunwoody Place and Roberts Drive. The total project length is approximately 0.40 miles and the total project area is 9.1 acres. Since this project is not using federal funding, this document has been prepared for compliance with the Georgia Environmental Policy Act.

During the October 2011 field survey, no Buffered State or Federal Waters were identified within the project area. Therefore, the project will not impact any State or Federal Waters or State-mandated stream buffers. The project would not impact migratory birds, bats, migratory bird habitat, or essential fish habitat. The proposed project would have "no effect" on the bald eagle (*Haliaeetus leucocephalus*).

The project area is located within the existing maintained right-of-way (ROW) and is comprised of a maintained plant community and a mixed pine/hardwood forest. This community does not provide suitable habitat for protected species. No critical habitat for federally protected species has been designated in Fulton County, so there will be no impact to designated critical habitat. The project is located within one mile of the Chattahoochee River, a 2010 303(d) listed river, however the river is not within the project area and will not be impacted. There are no streams within the project area that will need consideration for fish passage design. Special Provision 107.23G will be required for migratory birds for the proposed widening of the Northridge Road bridge over SR 400.

Napier, Jennifer

From: Pete_Pattavina@fws.gov
Sent: Friday, December 16, 2011 6:16 PM
To: Napier, Jennifer
Subject: Early coordination request, SR 400 at Northridge, Fulton, 751580

Jennifer,

I am in receipt of your October 19, 2011, early coordination request for the referenced project. Your project lies within the potential range of the federally-threatened Michaux's sumac. However, we have no nearby, known records for Michaux's sumac. Since your project is within the Chatthahoochee basin, you would have no concerns for affecting the Cherokee darter, known only from the Etowah River basin. The mussel species on your list are historic occurrences and have not been found in this section of the Chattahoochee in many decades and are likely extirpated from the Chattahoochee this far north. No bald eagles are located within the immediate area: the nearest, active nest (2010) is in excess of 20 miles from your project.

Pete

Pete Pattavina
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
105 West Park Drive, Suite D
Athens, GA 30606
706-613-9493, ext. 236
(fax) 706-613-6059

Napier, Jennifer

From: Phillips, Amber <aphillips@dot.ga.gov>
Sent: Tuesday, March 13, 2012 7:35 AM
To: Napier, Jennifer
Cc: Jackson, Keisha; Scott, Frank
Subject: RE: Fulton 751580

Thanks Jennifer, the air report for this project has been approved 3-13-2012. Please send one additional copy of the report and a CD containing the word, pdf, and model.

Thanks so much,

Amber L. Phillips
Georgia Department of Transportation
Office of Environmental Services
One GA Center
600 West Peachtree Street
Floor 16
Atlanta GA, 30308
Phone: 404-631-1117
Fax: 404-631-1916

GDOT ARCHAEOLOGICAL SHORT FORM FOR NEGATIVE FINDINGS

Phase I Archaeological Survey of the SR 400/US 19 at CR 145/Northridge Road, Fulton County,

Report Title: Georgia

Prime Consultant: Kimley-Horn and Associates, Inc

Sub Consultant: Edwards-Pitman Environmental, Inc.

GDOT Project No.: NH000-0056-01(061) P.I. No.: 751580

GA SHPO HP#: GP-120112-001

Draft Report Submitted on: 02 / 29 / 2012

PROJECT LOCATION AND AREA OF POTENTIAL EFFECT

County(ies):

Fulton

USGS Quadrangle(s):

Chamblee, GA; UTM Zone 16N

Project Description:

Please see attached sheet.

Area of Potential Effect (APE):

The APE for the project includes everything within the proposed construction project length and within the maximum extent of the existing and proposed ROW as described on the attached sheet. Easements are also included.

SURVEY CONDITIONS

Soil Descriptions:

Today, the majority of soils are best described as Urban Land, or soils of gravelly Udorthents fill material, overlying red clay subsoil, where the original soil matrix has been cut and modified for construction. The remaining profiles consisted of 0-15 centimeters of micaceous, coarse yellowish brown sandy loam over red clay subsoil.

Topography:

Formerly, side slopes, ridge noses, etc. The natural topography has now been modified by grading and construction (road, landscaping, utilities, etc.) activities. The topography of the project area consists of modified roadside slopes of exposed red clay, steep, eroded wooded environs, or groomed areas associated with residences and businesses.

Land Use/Vegetation/Ground Cover:

Current land use is associated with transportation, commercial and residential activity. Vegetation throughout the project area consists of mixed pine and hardwoods, greenbrier and vines, as well as landscaped/groomed trees and grasses.

Survey Limitations and Disturbance(s):

The project area has been affected by road construction, landscaping, and associated drainage and utilities. The project area consists of the existing construction footprint of the SR 400 and Northridge Road Interchange, Roberts Drive, and Dunwoody Place. Associated green space locations in the project area consist of modified and landscaped environments associated with local residences and business parks.

Survey Methods:

The project area was surveyed through systematic and judgmental shovel testing, as well as pedestrian visual inspection due to the area being previously affected by road construction, landscaping and associated utility placement. Field notes and digital photos document the project area.

No. of STs: 40 No. of Transects: 2

- This archaeological survey included all areas of the APE and an additional 100 foot expanded survey corridor.
- This archaeology survey covers the APE only and does not require the survey of the additional 100 foot expanded corridor.

ARCHAEOLOGICAL BACKGROUND RESEARCH

Previously Recorded Sites:

Please see attached sheet.

Previous Surveys:

Please see attached sheet.

Ref:

Please see attached sheet.

ATTACHMENT CHECKLIST

- | | |
|---|---|
| <input checked="" type="checkbox"/> 1. Project Location Map | <input checked="" type="checkbox"/> 2. USGS Topographic Map |
| <input checked="" type="checkbox"/> 3. References Cited | <input checked="" type="checkbox"/> 4. VITA |
| <input checked="" type="checkbox"/> 5. Photograph(s) | <input checked="" type="checkbox"/> 6. Field Notes |

CONSULTANT INFORMATION

Archaeological Consultant: Edwards-Pitman Environmental, Inc.

Address: 1250 Winchester Parkway, Suite 200, Smyrna, GA 30080

Phone No.: 770-333-9484

Principal Investigator: Jon R. Blackwelder

Project Archaeologist: _____

CONSULTANT CERTIFICATION

I, the Principal Investigator: Jon R. Blackwelder do hereby certify that the Area of Potential Effect (as described on Page 1 of this form) for GDOT Project NH000-0056-01(061) has been thoroughly surveyed for archaeological resources and that no such resources were located or identified.

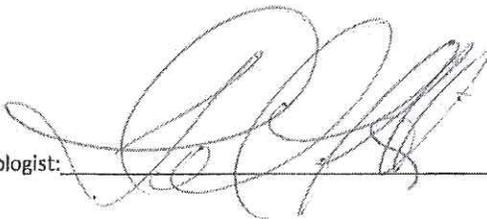
PI Signature: _____



Comments:

REVIEW

GDOT Archaeologist: _____



Date: 03/19/2012

Comments:

Draft Accepted as Final

By agreement, because no archaeological resources were located within the project's area of potential effect, no signed concurrence from the State Historic Preservation Office is required.

Cc:

Dr. David Crass, Director and Deputy SHPO
Mr. Rodney Barry, P.E., FHWA (Attn: Jennifer Giersch)
Alabama-Coushatta Tribe of Texas, Muscogee (Creek) Nation, Muscogee (Creek) National Council, Poarch Band of Creek Indians, Seminole Tribe of Florida

CLEAR

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. #751580

OFFICE Environmental Services

DATE March 30, 2012

FROM Matthew Kear

TO Files

SUBJECT GDOT Project NH000-0056-01(061), Fulton County;
P.I. #751580, HP No. 120112-001: No Historic Properties Affected.

Attached is the No Historic Properties Affected Report completed by Leslie Brown of Edwards-Pitman Environmental, Inc. for the subject project. The Department has reviewed this report and concurs with its finding. This finding fulfills the Department's responsibilities under Section 106 of the National Historic Preservation Act (NHPA) of 1966 and subsequent amendments for historic districts, buildings, structures or objects. A report which fulfills the Department's responsibilities under Section 106 for archaeological sites will be submitted separately.

MRK/

cc: Rodney N. Barry, P.E., FHWA, w/attachment (Attn: Jennifer Giersch)
David Crass, Deputy SHPO, w/attachment
Atlanta Regional Commission, w/attachment
Frank Scott, GDOT NEPA
Marlo Clowers, GDOT Project Manager
Leslie Brown, Edwards-Pitman Environmental, Inc.

Keith Golden, P.E., Commissioner



GEORGIA DEPARTMENT OF TRANSPORTATION

One Georgia Center, 600 West Peachtree Street, NW
Atlanta, Georgia 30308
Telephone: (404) 631-1000

May 15, 2012

Mr. Edward Johnson, Branch Chief
U.S. Army Corps of Engineers
Savannah District Regulatory Division
Piedmont Branch
1590 Adamson Parkway, Suite 200
Morrow, Georgia 30260-177
Attn: Katie Freas

Re: Addendum to the Ecology Assessment of Effects Report, Fulton County, NH000-0056-01(061), P.I. No. 751580, SR 400/US 19
@ CR 145/Northridge Road

Dear Mr. Johnson:

Please find attached the Addendum to the Ecology Assessment of Effects Report for the above referenced project. Georgia Department of Transportation (GDOT) Project PI 751580, NH000-0056-01(061) consists of replacing the Northridge Road bridge over State Road (SR) 400, additional signage, and the reconfiguring of Northridge Road through lanes, northbound and southbound entrance and exit ramps, Dunwoody Place and Roberts Drive. The project purpose is to relieve traffic congestion around the intersection by adding capacity and through traffic management.

The anticipated impacts associated with the proposed project, which are detailed within the attached Addendum to the Ecology Assessment of Effects Report, can be summarized as follows:

- Total of 92 linear feet of impacts to an Intermittent stream (62 linear feet of piping and 30 linear feet of rip-rap);
- Project requires a Nationwide Permit (14) prior to construction; no mitigation is required;
- No impacts to migratory birds or bats ;
- No impacts to essential fish habitat;
- No effect to any of the federally listed species or habitat for Fulton County;
- No effect to the bald eagle under the Bald and Golden Eagle Protection Act.

The Department respectfully requests your concurrence on the biological effect determinations above. Thank you for your attention to this matter. If you should have any questions or need additional information, please contact Doug Chamblin at (404) 631-1447 (dchamblin@dot.ga.gov).

Sincerely,

A handwritten signature in cursive that reads "Glenn Bowman, P.E.".

Glenn Bowman, P.E.
State Environmental Administrator

GB/HDC/jem

Attachment

cc: Frank Scott, GDOT NEPA
Marlo Clowers, GDOT PM
Eugene Hopkins, GDOT ECB
Eric Martin, Kimley-Horn & Associates, Inc.

QC/QA Document Review Comment/Revision Sheet

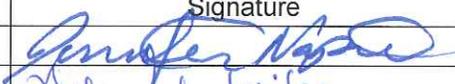
Environmental Section/Discipline: GEPA

To be completed by the Consultant

Project Name	SR 400/US 19 @ CR 145/Northridge Road	ROW date	July 2012
Proj. No.	NH000-0056-01(061)	P.I. No.	751580
County	Fulton	LET date	December 2012

Lead NEPA for Project (consultant)	Jennifer Napier
Baseline Delivery Date	12/14/12
Project is on schedule for baseline delivery (yes/no)	Yes

Document title	GEPA Type B Letter	Consultant Firm	Kimley-Horn & Associates, Inc.
Version #	1	# of Copies	1
Consultant Preparer Phone/Email	678-533-3912/jennifer.napier@earthlink.net		

	Name	Signature	Date
Consultant preparer	Jennifer Napier		6/12/12
Consultant reviewer	Debbie Wilson		6/12/12

To be completed by Environmental Services

GDOT NEPA analyst		Received on:	
Specialist		Transmitted on:	
Action requested	<input type="checkbox"/> For Review and Approval <input type="checkbox"/> For Distribution <input type="checkbox"/> As Requested	Required by:	
FHWA Reviewer		# of Copies	

Environmental Services Review and Evaluation

Staff Review	Name	Comments attached? Y / N	Date
Comments for quality assessment			

Manager Review	Name	Comments attached? <input checked="" type="checkbox"/> Y / N	Date
Comments for quality assessment			
<i>I had 3 minor comments. - Addressed 6/29/12</i>			

Section Chief Review	Name	Comments attached? Y / N	Date
Comments for quality assessment			

Approval/Transmittal/Return

<input type="checkbox"/> I returned this document to the consultant with requested revisions. <input type="radio"/> I provided a deadline of _____ to have a revised draft submitted.	Staff Reviewer Initials	_____
<input type="checkbox"/> This document was approved. <input type="radio"/> _____ additional copies were requested. <input type="radio"/> I transmitted this report to _____ on _____.	Staff Reviewer Initials	_____