

PROJECT COMMITMENTS

Current status, changes, or additions to the project commitments as shown in the environmental documents are printed in *italics*.

SR 1002 (AVIATION PARKWAY), IMPROVE INTERCHANGE AND CONSTRUCT AUXILIARY LANE ALONG I-40 WESTBOUND FROM SR 1002 TO SR 3015 (AIRPORT BOULEVARD)

Wake County, North Carolina

WBS Element – 43608.1.1

Federal Aid Project No. – NHPP-040-7(154)284

TIP PROJECT NO. - I-5506

Project Development and Environmental Analysis:

Coordination will continue with the Town of Cary, ~~Wake County~~, GoTriangle, and the ~~Raleigh-Durham Airport Authority~~ to determine location of sidewalks to be constructed in conjunction with the project.

Divison 5, Roadside Environmental, Town of Cary and Town of Morrisville:

Coordination will be needed with the Towns of Cary and Morrisville to coordinate enhanced landscaping as part of the project for the loops and/or ramps of this project.

Division 5 and Wake County Parks and Recreation

Coordination between NCDOT and Wake County Parks and Recreation will be needed prior to any actions concerning the Lake Trail within existing NCDOT right of way.

North Carolina Department of Transportation
PROJECT ENVIRONMENTAL CONSULTATION FORM
I. D. No. I-5506

I. GENERAL INFORMATION

- a. Consultation Phase: Right of Way
- b. Project Description: SR 1002 (Aviation Parkway), improve interchange and construct auxiliary lane along I-40 westbound from SR 1002 to SR 3015 (Airport Boulevard)
- c. WBS Element Number: 43608.1.1
Federal Project: NHPP-040-7(154)284
- d. Document Type: CE 08/30/2016
Date

II. CONCLUSIONS

The above environmental document has been reevaluated as required by 23 CFR 771. It was determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted below in Section III. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

III. CHANGES IN PROPOSED ACTION AND ENVIRONMENTAL CONSEQUENCES

1. New right of way at the Lake Crabtree Park entrance way will be required to tie in the wider road into the park entrance. This new right of way has now been expanded to include a new lateral drainage ditch and replaces the original temporary construction easement in this area (see attached Plan Sheet 4). The new right of way around the drainage ditch is required to maintain the ditch. This reduced the previous 495 feet of temporary construction easement to 196 feet and increased the previous new right of way from 198 feet to 515 feet.
2. There are also impacts to a primitive footpath, Lake Trail, which were not included in the August 2016 *de minimus* determination (see Plan Sheet 4). This trail exits the park and runs along the existing right of way of Aviation Parkway. The Lake Trail continues south within the right of way parallel to Aviation Parkway across the causeway, over Lake Crabtree and then re-enters the park. There is no formal encroachment agreement for the Lake Trail to be within the right of way of Aviation Parkway. A fill section is needed to construct the lane widening approaching the park entrance from the south. This fill section will

North Carolina Department of Transportation
PROJECT ENVIRONMENTAL CONSULTATION FORM
I. D. No. I-5506

- cover approximately 23 feet of this trail on the park property and approximately 413 feet within the existing right of way.
3. A formal letter from Wake County was sent to NCDOT, requesting a trail connection for the Lake Trail within the right of way along Aviation Parkway (see attached). This request was accepted by NCDOT in a letter of acceptance on February 15, 2017 (see attached). NCDOT's letter of acceptance laid out several provisions: Wake County Parks and Recreation has agreed to close this trail for the duration of the construction period of the I-5506 project. Wake County Parks and Recreation has also agreed to relocate the trail where impacted by the new fill slope and NCDOT will allow a trail connection within the existing right of way along Aviation Parkway once the construction period has ended for the I-5506 project.
 4. Wake County Park and Recreation's acceptance to NCDOT's provisions is documented by their signing of a new de minimus determination on February 21, 2017 and is attached for reference.

IV. LIST OF ENVIRONMENTAL COMMITMENTS

See attached.

V. COORDINATION

PDEA personnel have discussed current project proposals with others. Please note who was coordinated with and the date. This section is to be filled out by the project manager and does not require signatures.

Design Engineer: Kanchana Noland 2/24/2017
Date

FHWA Engineer: Eddie Dancausse, George Hoops 2/1/2017
Date

NEU-PM: _____
(Construction Consultations only) Date

North Carolina Department of Transportation
PROJECT ENVIRONMENTAL CONSULTATION FORM
I. D. No. I-5506

VI. NCDOT CONCURRENCE


Project Planning Engineer

2/21/17
Date


Manager, Project Development and Environmental
Analysis Branch

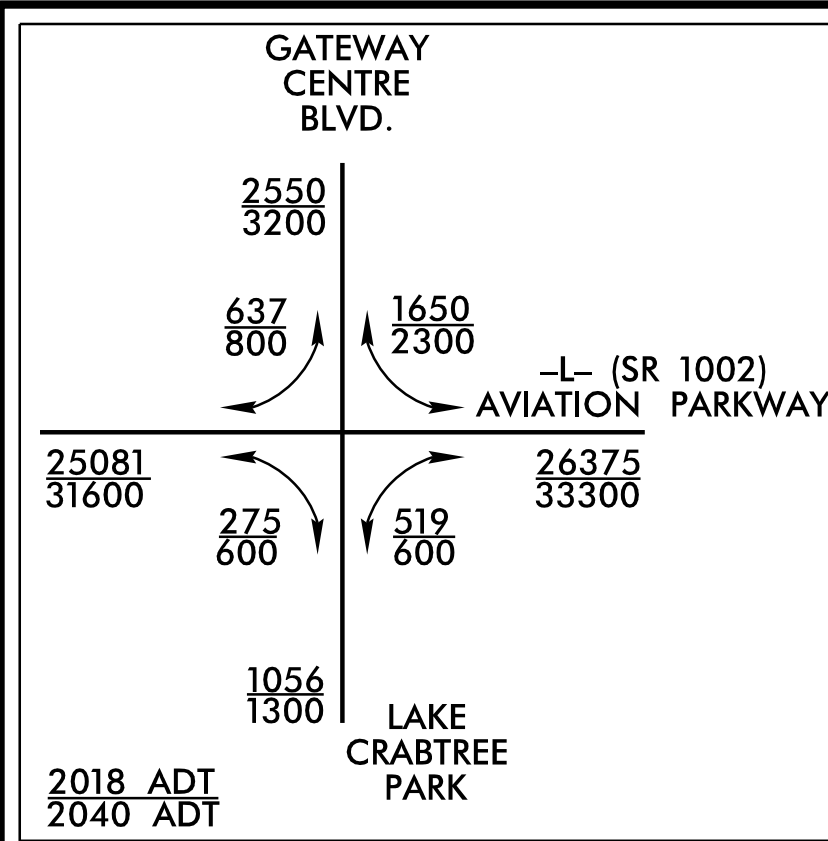
2/21/17
Date

VII. FHWA CONCURRENCE

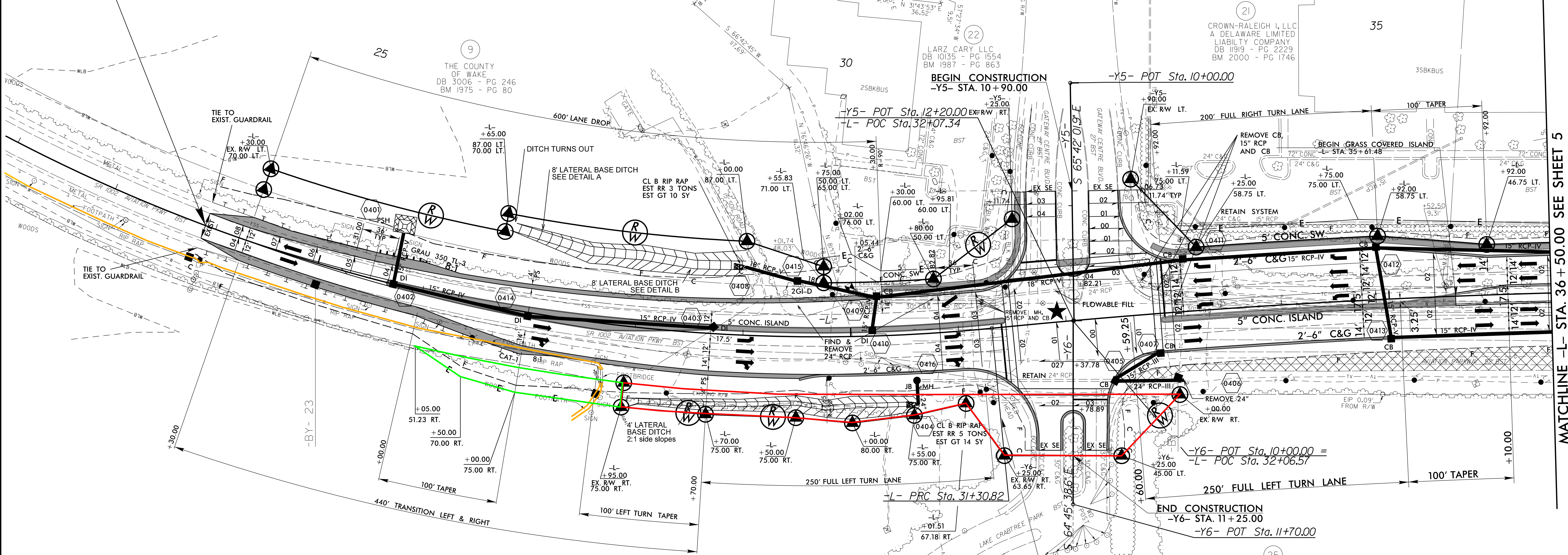

Federal Highway Administration
Division Administrator

2.23.17
Date

Fol



-L- STA. 23+90.00 BEGIN TIP PROJECT I-5506



Lake Trail Footpath

Temporary Construction Easement

Proposed Right of Way

-L- (AVIATION PARKWAY)	
PI Sta 26+25.20	PI Sta 34+89.38
$\Delta = 37^{\circ} 07' 16.9''$ (LT)	$\Delta = 5^{\circ} 39' 45.6''$ (RT)
$D = 3^{\circ} 32' 12.4''$	$D = 0^{\circ} 47' 25.0''$
$L = 1,049.58'$	$L = 716.53'$
$T = 543.95'$	$T = 358.56'$
$R = 1,620.00'$	$R = 7,250.00'$
$SE = 0.04$ FT/FT	$SE = NC$
$DS = 50$ MPH	$DS = 50$ MPH

PAVEMENT REMOVAL

★ REVISED SIGNAL

SEE SHEET 2B-2 FOR -Y5- AND -Y6- INTERSECTION DETAILS
SEE SHEET 11 FOR -L- PROFILE
SEE SHEET 16 FOR -Y5- AND -Y6- PROFILES
SEE SHEET 2D-1 FOR DITCH DETAILS

MATCHLINE -L- STA. 36+50.00 SEE SHEET 5



Facilities Design & Construction

TEL 919 856 6350
FAX 919 856 6355

Wake County Office Building, 11th Floor
P.O. Box 550 • Raleigh, NC 27602

February 8, 2017

T.R. Elmore
District Supervisor
NCDOT Division 5/District 1
1575 Mail Service Center
Raleigh, NC 27699-1575

Re: Wake County Request for NCDOT Transportation Improvement Project (I-5506)

Dear Reid,

As Facilities, Design & Construction Director for Wake County, I have signature authority for Wake County as landowner. I am also one of the county officials with jurisdiction over the Lake Crabtree County Park, specifically regarding construction.

In these two capacities, I hereby request for Wake County that NCDOT Division 5 District Office allow a modification to an existing trail connection within the right of way along SR 1002 (Aviation Parkway). Currently a primitive connection exists between two trail sections located on County Property. The purpose of the trail modification would be to maintain this connectivity outside the guardrails along Aviation Parkway. The area of request is located within the limits of a funded NCDOT Transportation Improvement Project (I-5506).

Please let me know if further information is needed for your office to grant this request.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Forestieri".

Mark Forestieri

Director
Wake County Facilities Design & Construction

CC:

Chris Snow, Director, Wake County Parks Recreation & Open Space
Drew Cade, Manager, Lake Crabtree County Park
Gene Tarascio, Project Planning Engineer, NCDOT



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 15th, 2017

COUNTY: Wake

SUBJECT: Request to Allow Trail Modification along Aviation Parkway

Mark Forestieri
Director – Wake County Facility Design & Construction
P.O. Box 550
Raleigh, NC 27602

Dear Mr. Forestieri,

District Office has reviewed your request, dated February 8th, 2017 asking whether NCDOT would allow modifications to a primitive trail that currently exist within the right of way along SR 1002 (Aviation Parkway). This primitive trail provides connection between two trail sections located on County Property. The purpose of the trail modifications would be to retain connectivity between existing trail sections, located on County property, following construction of upcoming roadway improvements by NCDOT. The area of request is located within the limits of a funded Transportation Improvement Project (I-5506). District is willing to consider an improved connection within the requested limits along Aviation Parkway provided Wake County agrees to the following provisions:

- The proposed trail constructed within the right of way of Aviation Parkway conforms to the cross sections constructed under TIP I-5506 without compromising the roadway or slopes along this section.
- Perpetual maintenance of the trail would be the responsibility of Wake County.
- Any subsequent approval would not allow for construction until all work under TIP I-5506 is completed.
- The current primitive trail may be closed to use at various times, and for various durations, during construction of TIP I-5506.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DOH DISTRICT I
1575 MAIL SERVICE CENTER
RALEIGH, NC 27699-1575

Telephone: (919) 733-3213
Fax: (919) 715-5778
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
4009 DISTRICT DRIVE
RALEIGH, NC 27607

- NCDOT reserves the right to remove the trail for any future maintenance and/or construction at no compensation from NCDOT.
- NCDOT would be open to discussion on allowing relocation of the affected trail section/sections within the right of way, at County expense, if constructible and compliant with NCDOT design standards.

Please feel free to contact me at (919) 733-3213 if you have any questions or need further assistance with this matter.

Respectfully,

A handwritten signature in black ink, appearing to read "T.R. Elmore", written in a cursive style.

T.R. Elmore
District Supervisor

Cc: Beverly Robinson, Project Development Group Leader
Eugene Tarascio, Project Development Engineer
Joey Hopkins, PE, Division Engineer
Boyd Tharrington, PE, Division Construction Engineer



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 14, 2017

Mr. Mark Forestieri, AIA
Director
Wake County Facilities Design & Construction
PO Box 550, Suite 1100
Raleigh, NC 27602

Re: NCDOT STIP Project I-5506: Section 4(f) Coordination for Lake Crabtree Park

Dear Mr. Forestieri,

The North Carolina Department of Transportation (NCDOT) is proposing to make interchange improvements to the I-40/Aviation Parkway interchange. A new loop off-ramp will be added to the northwest quadrant of the I-40/Aviation Parkway interchange. Replacement of the existing bridge with a wider one and widening of Aviation Parkway from the bridge to south of the Lake Crabtree Park entrance will be required as part of this project. Lake Crabtree Park, which will be impacted by this work, is subject to Section 4(f) of the U.S. Department of Transportation Act of 1966.

In August 2016, a *de minimis* determination was signed by NCDOT and Wake County. As design for the project was finalized, additional impacts to the park occurred and are described below. Attached is a figure detailing the location of the proposed work adjacent to the park. NCDOT and the Federal Highway Administration (FHWA) believe that the proposed project will still have no adverse effect on the activities, features, and attributes that qualify Lake Crabtree Park for protection under the Section 4(f). With your agreement, we would deem the impacts from the proposed project to be *de minimis*.

New right of way at the Lake Crabtree Park entrance way will be required to tie in the wider road into the park entrance. This new right of way has now been expanded to include a new lateral drainage ditch and replaces the original temporary construction easement in this area. The new right of way around the drainage ditch is required to maintain the ditch. This reduced the previous 495 feet of temporary construction easement to 196 feet and increased the previous new right of way from 198 feet to 515 feet.

There are also impacts to a primitive footpath, Lake Trail, which were not included in the August 2016 *de minimus* determination. This trail exits the park and runs along the existing right of way of Aviation Parkway. The Lake Trail continues south within the right of way parallel to Aviation Parkway across the causeway, over Lake Crabtree and then re-enters the park. There is no formal encroachment agreement for the Lake Trail to be within the right of way of Aviation Parkway. A fill section is needed to construct the lane widening approaching the park entrance from the south. This fill section will cover approximately 23 feet of this trail on the park property and approximately 413 feet within the existing right of way.

A formal letter from Wake County requesting the trail connection within the right of way along Aviation Parkway was sent to NCDOT. NCDOT responded to this request with a letter of agreement in which, Wake County Parks and Recreation has agreed to close this trail for the duration of the construction period of the I-5506 project. Wake County Parks and Recreation has also agreed to relocate the trail where impacted by the new fill slope and NCDOT will allow a trail connection within the existing right of way along Aviation Parkway once the construction period has ended for the I-5506 project. Although NCDOT would reserve the right to close the trail for any future maintenance and/or construction at no compensation from NCDOT, NCDOT would be open to discussion on allowing relocation of the affected trail section/sections within the right of way, at County expense, if constructible and compliant with NCDOT design standards.

These are the only impacts to the park anticipated by the proposed project. This widening will facilitate better access to Lake Crabtree Park, and the temporary easement will revert to the park when construction is completed.

If you concur that the proposed impacts to Lake Crabtree Park, as described above and shown on the attached figures, will not adversely affect the park's access and use, the NCDOT is requesting that you sign and date this letter in the spaces provided below, keep a copy for your files, and return a signed original to the address provided. We will keep a copy of the letter in the project files.

As Facilities, Design & Construction Director for Wake County North Carolina, I am the party with signature authority as landowner representative and the official with jurisdiction over the Lake Crabtree Park in Wake County. I concur with the determination that the proposed NCDOT project I-5506 as described in this letter and shown on the accompanying attachments will not adversely affect the activities, features, and attributes that qualify Lake Crabtree Park for protection under Section 4(f) of the Department of Transportation Act as amended. I have been informed that, based on my concurrence, the FHWA intends to make a de minimis finding regarding impacts to the Lake Crabtree Park, thus satisfying the requirements of Section 4(f).

Signed:



Mark Forestieri, AIA Wake County Facilities Design And Construction Director
Wake County, North Carolina

Date: 2-21-17

Upon signing and dating this letter, please return it to me within one week of the date of the letter to the following address:

NC Department of Transportation
Project Development and Environmental Analysis
1548 Mail Service Center
Raleigh, NC 27699-1548

The NCDOT greatly appreciates your cooperation in making the I-5506 project possible. Should you have any questions or concerns, please contact me at 919-707-6046 or at gtarascio@ncdot.gov.

Sincerely,



Eugene Tarascio
Project Planning Engineer
NCDOT Project Development and Environmental Analysis Unit (PDEA)

ET/

Attachments

CC: Eddie Dancausse, FHWA
Beverly Robinson, NCDOT PDEA
Reid Elmore, District 1 Engineer, Division 5
Joey Hopkins, Division Engineer, Division 5