



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

P.O. BOX 25201, RALEIGH, NC 27611-5201

CERTIFICATION OF RULEMAKING

Certifying Agency: Department of Transportation					
Action:	<input checked="" type="checkbox"/>	Adoption	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Repeal
Statutory Authority: 136-54, 136-30, 20-141, 20-115.1, 20-152.					
Public Hearing Not Required For This Action Under: GS 150B.					
Rule Summary: Rural Speed Zones, Route Changes, STAA Designated Route (Twins Only), Platooning.					
Division: 5					
Circumstances Requiring Rule Adoption, Repeal: Necessary for public safety and welfare.					
Effective Date: March 06, 2023					

March 06, 2023

DATE

DocuSigned by:

Brian K Mayhew

EA0525CE2812491...

OFFICER SIGNATURE

Brian K. Mayhew, PE

TYPED NAME

State Traffic Engineer

TITLE

Rural Speed Zones

The Board of Transportation has delegated to the Secretary of Transportation the authority to adopt and promulgate all rules and regulations and ordinances regulating traffic on the highways pursuant to authority of N.C.G.S 143B-350 (g) (see 19ANCAC 4A.0104).

The State Traffic Engineer is subdelegated the authority by the Secretary of Transportation to adopt all necessary rules for the use of and to police traffic on state highways, and to set, change, or extend route numbers on the Primary Highway System of North Carolina pursuant to authority of N.C.G.S 143B-350(g) (see 19ANCAC 4A.0104).

Pursuant to that delegation, the State Traffic Engineer hereby adopts and promulgates the following ordinances based on an engineering and traffic investigation and in accordance with General Statute 20-141. Signing is required by statute or code.

COUNTY DURHAM DIVISION 5

DECLARE THE FOLLOWING

County / Municipality	Ordinance Number	Route	Car Spd Lmt	Trk Spd Lmt	Description
DURHAM	1083029	NC 885	70	70	Between the Wake County line and I-40.

RESCIND THE FOLLOWING

County / Municipality	Ordinance Number	Route	Car Spd Lmt	Trk Spd Lmt	Description
DURHAM	1066967	NC 147	70	70	Between the Wake County Line and I-40.

COUNTY WAKE DIVISION 5

DECLARE THE FOLLOWING

County / Municipality	Ordinance Number	Route	Car Spd Lmt	Trk Spd Lmt	Description
WAKE	1083026	NC 885	70	70	Between NC 540 and the Durham County line.

RESCIND THE FOLLOWING

County / Municipality	Ordinance Number	Route	Car Spd Lmt	Trk Spd Lmt	Description
WAKE	1066969	NC 147	70	70	Between NC 540 and the Durham County Line.

The State Traffic Engineer is subdelegated the authority by the Secretary of Transportation to adopt all necessary rules for the use of and to police traffic on state highways, and to set, change, or extend route numbers on the Primary Highway System of North Carolina pursuant to authority of N.C.G.S 143B-350(g) (see 19ANCAC 4A.0104).

DECLARE THE FOLLOWING

DECLARE THE FOLLOWING

STAA Designated Route (Twins Only)

The Board of Transportation has delegated to the Secretary of Transportation the authority to adopt and promulgate all rules and regulations and ordinances regulating traffic on the highways pursuant to authority of N.C.G.S 143B-350 (g) (see 19ANCAC 4A.0104).

The State Traffic Engineer is subdelegated the authority by the Secretary of Transportation to adopt all necessary rules for the use of and to police traffic on state highways, and to set, change, or extend route numbers on the Primary Highway System of North Carolina pursuant to authority of N.C.G.S 143B-350(g) (see 19ANCAC 4A.0104).

Pursuant to that delegation, the State Traffic Engineer hereby adopts and promulgates the following ordinances based on an engineering and traffic investigation and in accordance with General Statute 20-115.1. Signing not required by statute or code.

COUNTY DURHAM **DIVISION** 5

DECLARE THE FOLLOWING

County	Ordinance Number	Route	Long Description
DURHAM	1083030	NC 885	Between the Wake County line and I 40.
DURHAM	1083031	NC 147	Between I 885 and I 85.

RESCIND THE FOLLOWING

County	Ordinance Number	Route	Long Description
DURHAM	1068599	NC 147	Between the Wake County line and I-85.

COUNTY WAKE DIVISION 5

DECLARE THE FOLLOWING

County	Ordinance Number	Route	Long Description
WAKE	1083027	NC 885	Between NC 540 and the Durham County line.

RESCIND THE FOLLOWING

County	Ordinance Number	Route	Long Description
WAKE	1068598	NC 147	Between NC 540 and the Durham County line.

Platooning

The Board of Transportation has delegated to the Secretary of Transportation the authority to adopt and promulgate all rules and regulations and ordinances regulating traffic on the highways pursuant to authority of N.C.G.S 143B-350 (g) (see 19ANCAC 4A.0104).

The State Traffic Engineer is subdelegated the authority by the Secretary of Transportation to adopt all necessary rules for the use of and to police traffic on state highways, and to set, change, or extend route numbers on the Primary Highway System of North Carolina pursuant to authority of N.C.G.S 143B-350(g) (see 19ANCAC 4A.0104).

Pursuant to that delegation, the State Traffic Engineer hereby adopts and promulgates the following ordinances in accordance with General Statute 20-152. Signing not required by statute or code.

COUNTY DURHAM

DIVISION 5

DECLARE THE FOLLOWING

County	Ordinance Number	Route	Long Description
DURHAM	1083032	NC 885	Between the Wake County line and I 40 (toll segment). No more than three combination vehicles platooning. Non-leading vehicles shall be no closer than thirty (30) feet while at operating speeds. The Platooning Operators shall notify the State Traffic Engineer of the North Carolina Department of Transportation (919) 814-5100 and the Director of Highway Operations with the North Carolina Toll Authority (919) 707-2705 prior to operation.

COUNTY WAKE

DIVISION 5

DECLARE THE FOLLOWING

County	Ordinance Number	Route	Long Description
WAKE	1083028	NC 885	Between NC 540 and the Durham County line (toll segment). No more than three combination vehicles platooning. Non-leading vehicles shall be no closer than thirty (30) feet while at operating speeds. The Platooning Operators shall notify the State Traffic Engineer of the North Carolina Department of Transportation (919) 814-5100 and the Director of Highway Operations with the North Carolina Toll Authority (919) 707-2705 prior to operation.

The foregoing Highway Traffic Ordinances are hereby adopted in accordance with the General Statutes of North Carolina (136-54, 136-30, 20-141, 20-115.1, 20-152).

All the actions herein adopted are effective March 06, 2023 and are identified as follows:

ORDINANCE TYPE	ADOPT	REPEAL
Rural Speed Zones	2	2
Route Changes	4	0
STAA Designated Route (Twins Only)	3	2
Platooning	2	0
Total	11	4

For ordinances requiring signing or marking, the Division Engineer for each affected Division shall cause to be installed appropriate signs or markings indicating the action of the State Traffic Engineer and these ordinances shall be in full force and effect from and after the installation of such signs or markings.

March 06, 2023

DATE

DocuSigned by:

Brian K Mayhew

EA0525CE2812491

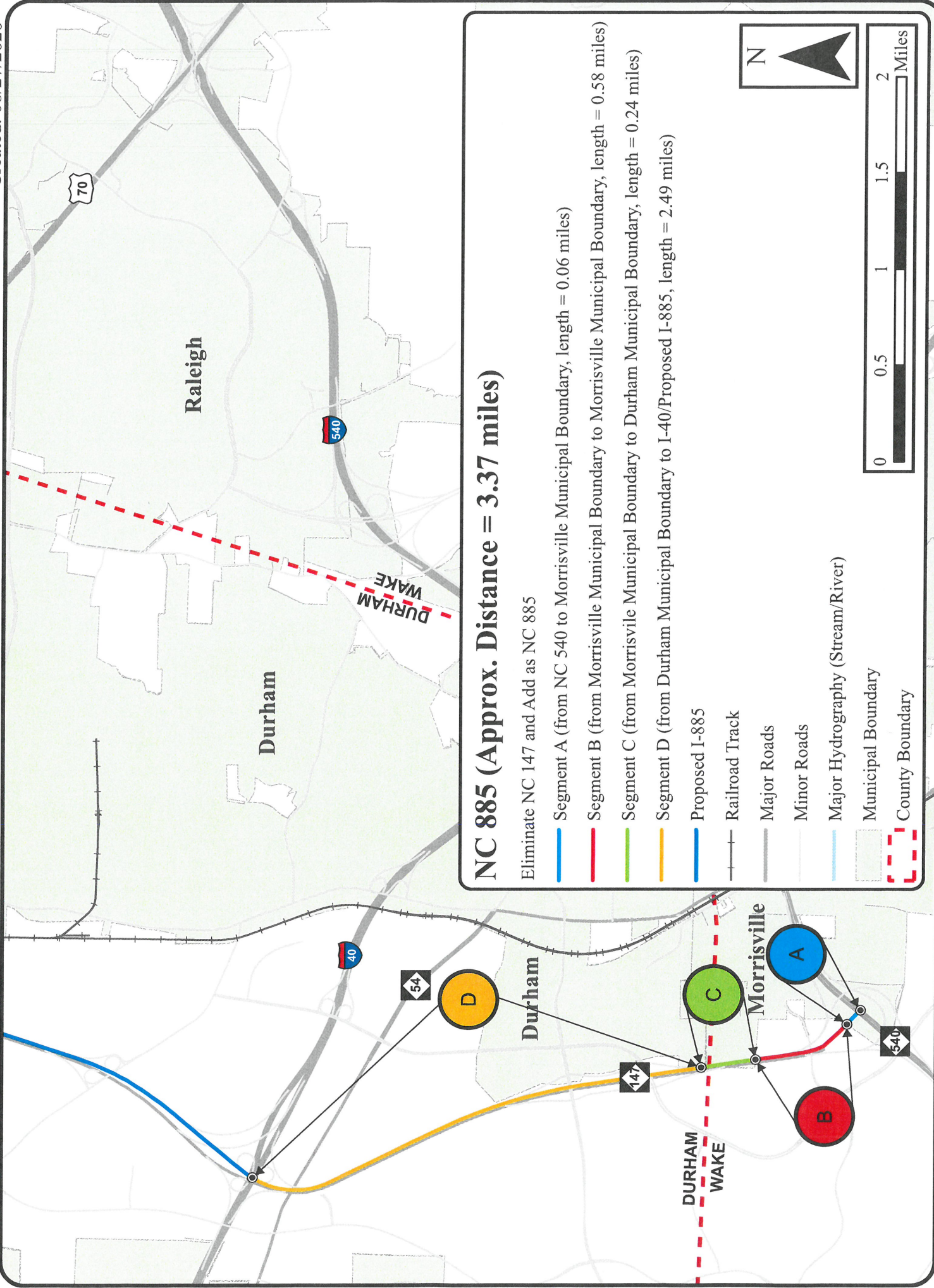
OFFICER SIGNATURE

Brian K. Mayhew, PE

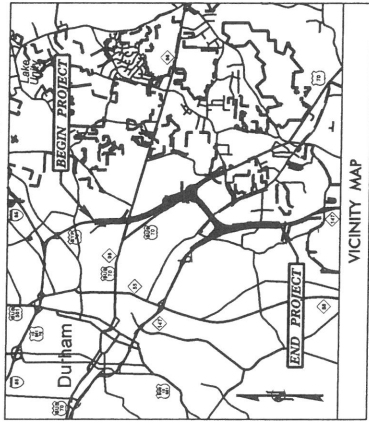
TYPED NAME

State Traffic Engineer

TITLE



See Sheet 1-A For Index of Sheets



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DURHAM COUNTY

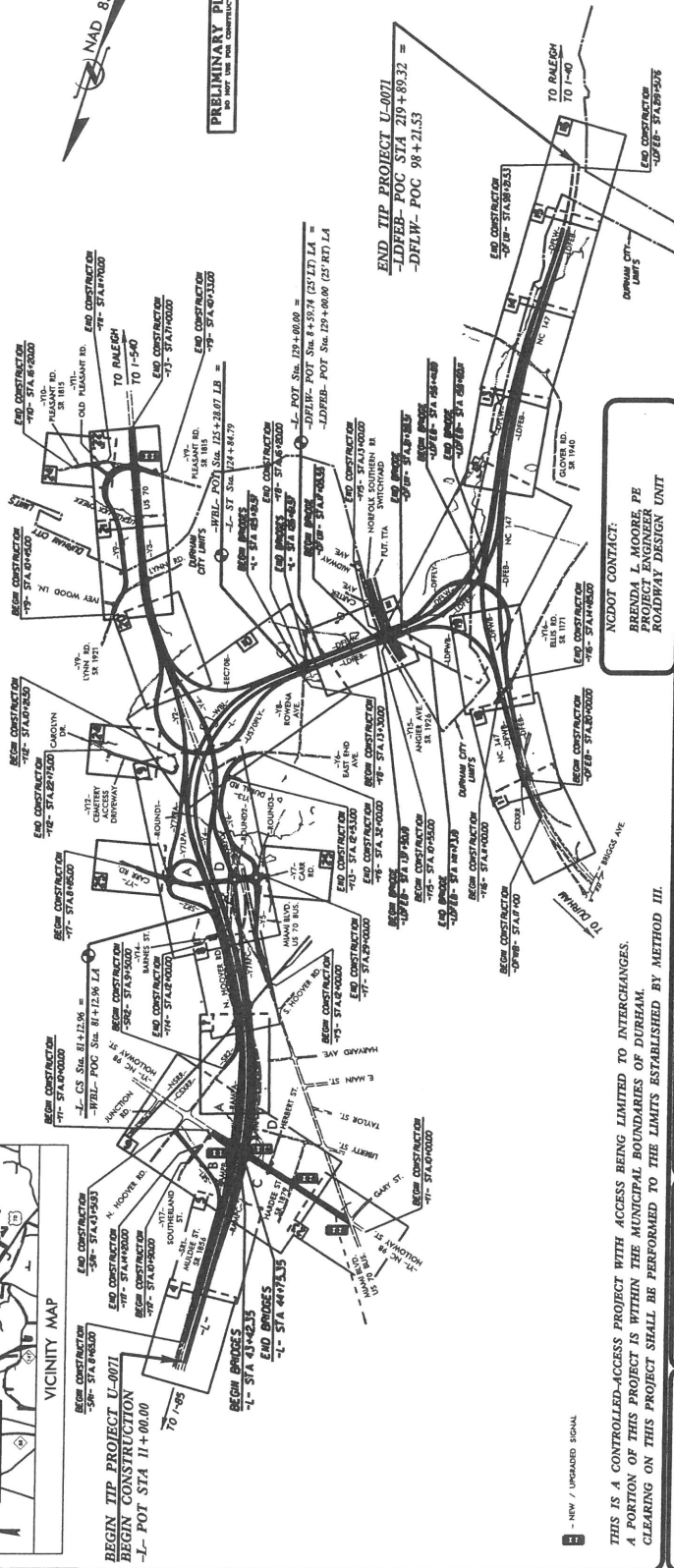
LOCATION: DURHAM EAST END CONNECTOR, FROM NC 147
(BUCK DEAN FREEWAY) TO NORTH OF NC 98

TYPE OF WORK: GRADING, DRAINAGE, PAVING, CURB & GUTTER,
SIGNALS, STRUCTURES, AND SIGNING

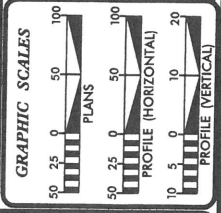
DATE	U-0071	1
DATE PREPARED	U-0071	1
DATE REVIEWED	U-0071	1
DATE APPROVED	U-0071	1
DATE SUBMITTED	U-0071	1
DATE OF MEETING	U-0071	1
DATE OF REVIEW	U-0071	1
DATE OF APPROVAL	U-0071	1
DATE OF SUBMISSION	U-0071	1
DATE OF MEETING	U-0071	1
DATE OF REVIEW	U-0071	1
DATE OF APPROVAL	U-0071	1
DATE OF SUBMISSION	U-0071	1



PRELIMINARY PLANS
FOR THE EAST END CONNECTOR



THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF DURHAM.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.



DESIGN DATA	
ADT 2015	= 65,700
ADT 2035	= 116,100
DHV	= 10 %
D	= 55 %
T	= 14 %
V	= 70 MPH
* TTST	= 8
FUNCT. CLASS	= DUAL 6
INTERSTATE	

PROJECT LENGTH	
LENGTH ROADWAY PROJECT U-0071	= 3.783 mi.
LENGTH STRUCTURE PROJECT U-0071	= 0.173 mi.
TOTAL LENGTH OF TIP PROJECT U-0071	= 3.956 mi.
LENGTH OF PROJECT BASED ON -L- AND -LD-FEB-	

DIVISION OF HIGHWAYS
1800 Birch Ridge Dr., Raleigh, NC, 27610
By
MA Engineering Consultants, Inc.
340 East Chatham Street - Suite 137
Raleigh, NC 27601
Phone: 919.237.2220 Fax: 919.297.0221

RIGHT OF WAY DATE:
APRIL 13, 2012

LETTING DATE:
APRIL 13, 2014

PROJECT ENGINEER
BRENDA L. MOORE, PE
PROJECT ENGINEER
ROADWAY DESIGN UNIT

HYDRAULICS ENGINEER
P.E.

ROADWAY DESIGN ENGINEER
P.E.

PROJECT MANAGER
BURKE EVANS, PE
PROJECT ENGINEER

PROJECT MANAGER
KEVIN S. HUTCHENS
PROJECT MANAGER



TIP PROJECT: U-0071

CONTRACT:

Route Change Request Form

Ordinances

Requested Route Number	County	TIF Projects
NC 147 (elimination), NC 885 (addition)	Durham	▼ U-0071

General Description of request (starting/ending points, etc.)
Remove NC 147 from NC 540 northward to the East End Connector interchange.

Reason/Justification for this route change
The portion of NC 147 from I-40 to the East End Connector interchange will become I-885. The NC 147 toll portion from NC 540 to I-40 will become NC 885.

Requestor Name	Request Date	Status
John H. Grant	07-15-2020	Restricted
Latitude	Longitude	Road Type
35.8882	-78.8715	

Approvals

Set Status

Ordinances

Comments

Cancel

Save Changes

Workflow History

Ordinances - 12/28/22, 12:02 PM

Sent to RTE 12/12/2022 - Celeste M. Semanick

Mileposting - 8/10/22, 10:34 AM

Assigned mileposting 8/9/2022 - Celeste M. Semanick

Mileposting - 8/10/22, 10:34 AM

Assigned mileposting 8/9/2022 - Celeste M. Semanick

Mileposting - 8/10/22, 10:34 AM

Assigned mileposting 8/9/2022 - Celeste M. Semanick

Approved STE - 3/7/22, 1:06 PM

Approve - Kevin Lacy

Approved SDU - 10/20/21, 11:18 AM

This will be completed in conjunction with the interstate request for I-885. I-885 request will be planned to be submitted in Spring 2022 AASHTO meeting. - Roach, Renee B

Created - 7/15/20, 9:09 AM

New Route Change - John H. Grant