DESIGN PUBLIC HEARING MAP

S.T.I.P. NOS. R–2721, R–2828, R–2829
STATE PROJECT NOS. 6.401078, 6.401079, 6.401080
FEDERAL AID PROJECT NOS.
STP–540(19), STP–540(20), STP–540(21)
WBS NOS. 37673.1.TA2, 35516.1.TA2, 35517.A.TA1

WAKE & JOHNSTON COUNTIES

COMPLETE 540
TRIANGLE EXPRESSWAY SOUTHEAST EXTENSION
NC 55 BYPASS TO US 64 /264 BYPASS /I–495
MAP 8 OF 9

NORTH CAROLINA Turnpike Authority

(238)	WEST, NANCY C GLOVER (BY MARRIAGE)
(239)	GLOVER, WALLACE EDWARD JR
(240)	ROGERS, ANGELIA R LONITA ROGERS & ROGERS, ANGELIA R LONITA ROGERS &
(241)	EVANS, CINDY L EVANS, CHRIS
(242)	BURCHETTE, BARBARA ANN GLOVER
(243)	WALL, STEVEN A WALL, JAYNE S
(244)	KURNEY, RONALD
(245)	SEALEY, MICHEAL DAVID HILDEBRAND, NANCY FAYE
(246)	LONG BRANCH FARM LLC
(247)	GALLOWAY, STEPHEN F GALLOWAY, JAMIE M
(248)	SKINNER, MICHAEL R SKINNER, TRACEY L
(249)	BAUCOM, JOHN R III BAUCOM, CYNTHIA L
(250)	DUKE, WILBUR P JR DUKE, CYNTHIA M
(251)	MOORE, CAROLYN
(252)	JERNIGAN, TRACY
(253)	WATKINS, JOSEPH
(254)	STALLINGS, LESTER R
(255)	HOWELL, BRENDA J HOWELL, DAVID L
(256)	LOCKAMON, DONALD R JR LOCKAMON, SANDRA C
(1794)	STALLINGS, LARRY ROGER
(1795)	ECKSTEIN, RONALD W ECKSTEIN, JOYCE C
(1796)	TERRE CAROLINE LLC
(1797)	MOORE, ROSA L
(1798)	GLOVER, BETTY
(1799)	EVERHART, REX M EVERHART, CAROL S
(1800)	BURCHETTE, BARBARA ANN GLOVER

ROCK QUARRY RD.
4,500
12,100
2,600
3,500
400
3,800
22,500
38,700
NC 540
500
1,500
3,700
7,200
NC 540
23,500
44,700
5,700
13,500
ROCK QUARRY RD.
2016 ADT
2040 ADT
AUBURN KNIGHTDALE RD.
1,700
6,900
100
2,000
1,100
4,800
23,500
44,700
NC 540
1,100
3,700
200
2,300
NC 540
23,600
46,100
1,800
6,100
AUBURN KNIGHTDALE RD.
2016 ADT
2040 ADT
TYPICAL SECTION
–Y27– SR 2542 (ROCK QUARRY RD.)
–Y29– SR 2555 (AUBURN KNIGHTDALE RD.)
30'
8'
12'
12'
17'–6"
12'
12'
8'
12'
6'
10'
4' FDPS
0.08
0.02
0.02
0.08
6:1
4:1
3:1
ORIGINAL GROUND
GRADE POINT
MATCH TO MAP 8 OF 9 -L- STA. 1165+00.00
MATCH TO MAP 9 OF 9 -L- STA. 1365+00.00
MOUNT AUBURN SCHOOL
HPB
FUTURE GREENWAY
TO RALEIGH
MG&BK PROPERTIES LLC
BURNETTE FARMS LLC
BURNETTE FOREST LLC
AUBURN KNIGHTDALE
ROCK QUARRY RD
-Y27RPA-
-Y27LPA-
-Y27LPD-
-Y27RPD-
-Y27-
-Y27A-
A
D
-L- TS STA 1206+36.03
-L- SC STA 1209+51.03
-L- PT STA 1182+53.04
ADAMS, JEANNETTE R HEIRS
EDGE OF AUBURN LLC
ANNETTE KAY HARTMAN
DRAIN POND
BULLOCK, RUSSELL GENE SR
BULLOCK, ANNETTE KAY HARTMAN
TOLL
540
-L-
PROPOSED TOLL GANTRY
PROPOSED 1@6'x7' RCBC
WATTS, LAURA LYNN GAUL
BARBARA WATTS
MCINTYRE, JOHN BAPTIST
AUBURN ASSOCIATES
WATTS, MARY MONTAGUE
WATTS, LAURA L
ROCK QUARRY RD
PENNY HOUSE
STALLINGS, LESTER R
TO WILSONS MILLS
OLD BAUCOM RD
BURGESS, JIMMIE LEE
BURGESS, EVELYN
BAILEY, DEBORAH R ROBERTS, MACK L II
HODGE, KAY B
WALL, JIMMY E
AUBURN KNIGHTDALE RD
WAKE COUNTY OF RALEIGH CITY OF
-L- CS STA 1236+90.81
-L- ST STA 1240+05.81
-L- TS STA 1243+41.83
-L- SC STA 1246+56.83
-L- CS STA 1261+61.97
-L- ST STA 1264+76.97
LONG BRANCH FARM LLC
UNION B&T CO
FRANCIS, LAURA S
RILEY, NORMA LUCAS CASEY
WAGNER, LARRY D
WAGNER, NANCY W
CHIPOURAS, GEORGE L
BANK OF HAMPTON ROADS THE
TERRE CAROLINE LLC
BARBOUR, JERRY W JR
FARMDALE ACRES
THE PRESERVE AT LONG BRANCH FARMS
GRIFFICE MILL RD
BATTLE BRIDGE RD
-Y28-
-Y28A-
WAKE RECLAMATION LLC
PROPOSED 3@6'x7' RCBC
NEUSE RIVER TRAIL
RELOCATED FUTURE GREENWAY
DUKE ENERGY TRANSMISSION LINE
-L- TS STA 1295+94.96
-L- SC STA 1299+09.96
RIVER RIDGE
NEUSE RIVER
NEUSE RIVER TRAIL
AUBURN KNIGHTDALE RD
FUTURE CLIFTON RD GREENWAY
JEFFERYS, GRADY B
JEFFERYS, THELMA M
SANOK, JACOB J
SANOK, MARYLU
WEST, NANCY C
GLOVER, WALLACE EDWARD JR
SEALEY, MICHAEL DAVID
WAKE COUNTY
-Y29-
-Y29A-
-Y29RPA-
-Y29LPA-
-Y29LPD-
-Y29RPD-
BAKER, TED PRESTON
BAKER, GERALDINE G
BURCHETTE, BARBARA
BAILEY, BARRY
BAILEY, SUE C
-L- ST STA 1336+62.30
-L- CS STA 1333+02.30
BILLY ADAMS FARMS INC
RAYNOR, BOBBY C RAYNOR, MARGARET F
PROPOSED 1@72" RCP
PROPOSED 3@10'x8' RCBC
DRAIN POND
DAVIS, KAREN L DAVIS, JAMES RAY
DAVIS, JAMES RAY
TO CLAYTON
RELOCATED NEUSE RIVER TRAIL
ATKINS, KIMBERLY P
GOULD, KELLY P
TYPICAL SECTION
-L- NC 540
30'
14'
17' wGR
12' PS
12'
70'
18'
6'
10'
CROWN POINT
GRADE POINT
HINGE POINT FOR FILLS
HINGE POINT FOR CUTS
0.04
0.02
8:1
6:1
2:1
3:1
ORIGINAL GROUND
VARIABLE SLOPES

LEGEND

🟫	BUILDING
🟩	EXISTING RIGHT OF WAY
🟩	PROPOSED RIGHT OF WAY
▨	PROPOSED EASEMENT (DRAINAGE, CONSTRUCTION, OR UTILITY)
⬜	EXISTING ROADWAY
▨	EXISTING ROADWAY TO BE REMOVED
🟧	EXISTING ROADWAY TO BE RESURFACED
🟨	PROPOSED ROADWAY
🟫	TEMPORARY DETOUR
▨	FUTURE ROADWAY
🟥	PROPOSED STRUCTURE, ISLAND OR CURB AND GUTTER
▨	EXISTING STRUCTURE, ISLAND OR CURB AND GUTTER TO BE RETAINED
▨	EXISTING STRUCTURE, ISLAND OR CURB AND GUTTER TO BE REMOVED
▨	FUTURE STRUCTURE, ISLAND OR CURB AND GUTTER
🟦	LAKE, RIVER, STREAM OR POND
🟪	RAILROAD RIGHT OF WAY
🟪	EXISTING UTILITY EASEMENT
▨	CEMETERY
●	PROPOSED CONTROL OF ACCESS
○	EXISTING CONTROL OF ACCESS
0000 0000	PRESENT ADT FUTURE ADT
— —	PROPERTY LINES
▨	POTENTIAL NOISE ABATEMENT AREA
🚦	EXISTING TRAFFIC SIGNAL
🚦	PROPOSED TRAFFIC SIGNAL
‖	PROPOSED TOLL GANTRY
—HPB—	HISTORIC PROPERTY BOUNDARY
—WLB—	WETLAND LIMIT BOUNDARY
▬	FUTURE GREENWAY (TO BE CONSTRUCTED BY OTHERS)
▬	EXISTING GREENWAY

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

200' 0' 200' 400'
SCALE: 1" = 200'

NOTE:
FULL CONTROL OF ACCESS IS DEFINED AS A CONNECTION TO A FACILITY PROVIDED ONLY VIA RAMPS AT INTERCHANGES. ALL CROSS–STREETS ARE GRADE SEPARATED. NO PRIVATE DRIVEWAY CONNECTIONS ARE ALLOWED.

POTENTIAL NOISE ABATEMENT AREA

THE LABELED AREAS INDICATE NOISE–SENSITIVE LOCATIONS FOR WHICH POTENTIAL SOUND BARRIERS HAVE BEEN IDENTIFIED. MORE DETAILED ANALYSES WILL OCCUR DURING FINAL PROJECT DESIGN TO DETERMINE WHETHER THESE POTENTIAL BARRIER LOCATIONS MEET THE REASONABLE AND FEASIBLE CRITERIA WITHIN THE NCDOT TRAFFIC NOISE POLICY. IF THESE CRITERIA ARE MET, BARRIER CONSTRUCTION WILL OCCUR PENDING PUBLIC APPROVAL.

ORTHOPHOTO DATA:
Flight Mission = M–7967
Flight Date = 03–07–16

DESIGN DATA

FUNCTIONAL CLASSIFICATION = FREEWAY
DESIGN SPEED = 75 MPH
MAX. SUPERELEVATION = 0.08

–Y27–

PI STA 17+09.37	PI STA 30+63.10	PI STA 44+36.91	PI STA 51+69.43	PI STA 57+03.40
△ = 10° 57' 36.8" (LT)	△ = 43° 05' 27.5" (LT)	△ = 5° 40' 45.9" (RT)	△ = 2° 08' 49.7" (RT)	△ = 4° 00' 24.6" (RT)
D = 0° 59' 47.2"	D = 2° 48' 31.0"	D = 1° 03' 39.7"	D = 0° 38' 11.8"	D = 1° 29' 59.6"
L = 1,099.93'	L = 1,534.24'	L = 535.27'	L = 337.27'	L = 267.14'
T = 551.65'	T = 805.45'	T = 267.86'	T = 168.65'	T = 133.63'
R = 5,750.00'	R = 2,040.00'	R = 5,400.00'	R = 9,000.00'	R = 3,820.00'
SE = 0.02	SE = 0.05	SE = 0.03	SE = NC	SE = 0.03

–Y29–

PI STA 22+10.26	PI STA 36+17.25	PI STA 50+16.14
△ = 33° 09' 56.8" (RT)	△ = 12° 45' 56.7" (LT)	△ = 16° 12' 10.4" (LT)
D = 4° 46' 28.7"	D = 6° 52' 41.7"	D = 5° 13' 57.0"
L = 694.62'	L = 185.60'	L = 309.66'
T = 357.35'	T = 93.18'	T = 155.87'
R = 1,200.00'	R = 833.00'	R = 1,095.00'
SE = 0.06	SE = 0.06	SE = Existing

–L–

PI STA 1172+16.96	PIs STA 1208+46.05	PI STA 1223+55.54	PIs STA 1237+95.82	PIs STA 1245+51.84	PI STA 1254+15.02	PIs STA 1262+66.98	PIs STA 1298+04.97	PI STA 1316+72.92	PIs STA 1334+22.31
△ = 1° 58' 44.2" (LT)	θs = 1° 47' 13.0"	△ = 31° 05' 04.9" (RT)	θs = 1° 47' 13.0"	θs = 1° 47' 13.0"	△ = 17° 04' 36.8" (LT)	θs = 1° 47' 13.0"	θs = 1° 47' 13.0"	△ = 38° 29' 18.4" (LT)	θs = 2° 02' 32.0"
D = 0° 05' 43.8"	Ls = 315.00'	D = 1° 08' 04.5"	Ls = 315.00'	Ls = 315.00'	D = 1° 08' 04.5"	Ls = 315.00'	Ls = 315.00'	D = 1° 08' 04.5"	Ls = 360.00'
L = 2,072.36'	LT = 210.01'	L = 2,739.78'	LT = 210.01'	LT = 210.01'	L = 1,505.14'	LT = 210.01'	LT = 210.01'	L = 3,392.34'	LT = 240.02'
T = 1,036.28'	ST = 105.01'	T = 1,404.51'	ST = 105.01'	ST = 105.01'	T = 758.19'	ST = 105.01'	ST = 105.01'	T = 1,762.97'	ST = 120.01'
R = 60,000.00'		R = 5,050.00'			R = 5,050.00'			R = 5,050.00'	
SE = NC		SE = 0.05			SE = 0.05			SE = 0.05	

DESIGN PUBLIC HEARING MAP
S.T.I.P. NOS. R–2721, R–2828, R–2829
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WAKE & JOHNSTON COUNTIES
COMPLETE 540
TRIANGLE EXPRESSWAY SOUTHEAST EXTENSION
NC 55 BYPASS TO US 64 /264 BYPASS /I–495
MAP 8 OF 9
NORTH CAROLINA Turnpike Authority

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S.T.I.P. NOS. R–2721, R–2828, R–2829
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WAKE & JOHNSTON COUNTIES
COMPLETE 540
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NC 55 BYPASS TO US 64 /264 BYPASS /I–495
MAP 8 OF 9
NORTH CAROLINA Turnpike Authority