CORRIDOR 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, 35517.1.TA1

WAKE / JOHNSTON COUNTIES

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

SHEET 1 OF 8

NORTH CAROLINA Turnpike Authority

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 allowed.

DESIGN DATA		
Functional Class.	=	Freeway
Design Speed	=	70 mph
Max. Superelev.	=	0.08

ORTHOPHOTO DATA		
GIS Aerial Mapping	=	JAN 2014
GIS Property Boundaries	=	JULY 2015

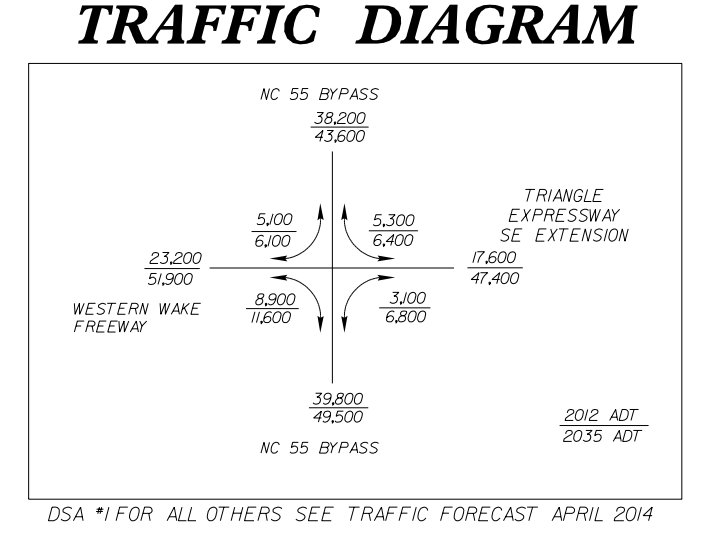
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
SUBJECT TO CHANGE

500' 0' 500' 1000'
250'
(ENGLISH)

NAD 83

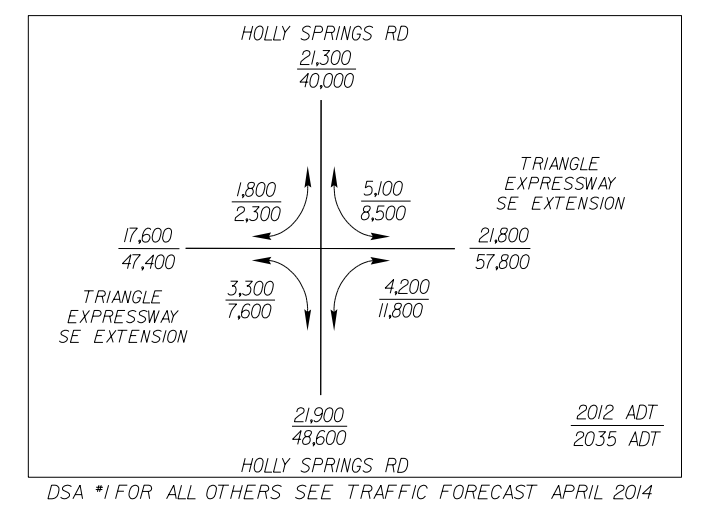
ORANGE NC 55 BYPASS TRAFFIC DIAGRAM



NC 55 BYPASS
38,200
43,600
5,100
6,000
5,300
6,400
TRIANGLE EXPRESSWAY SE EXTENSION
17,600
47,400
23,200
51,900
WESTERN WAKE FREEWAY
8,900
11,600
3,100
6,800
39,800
49,500
NC 55 BYPASS
2012 ADT
2035 ADT

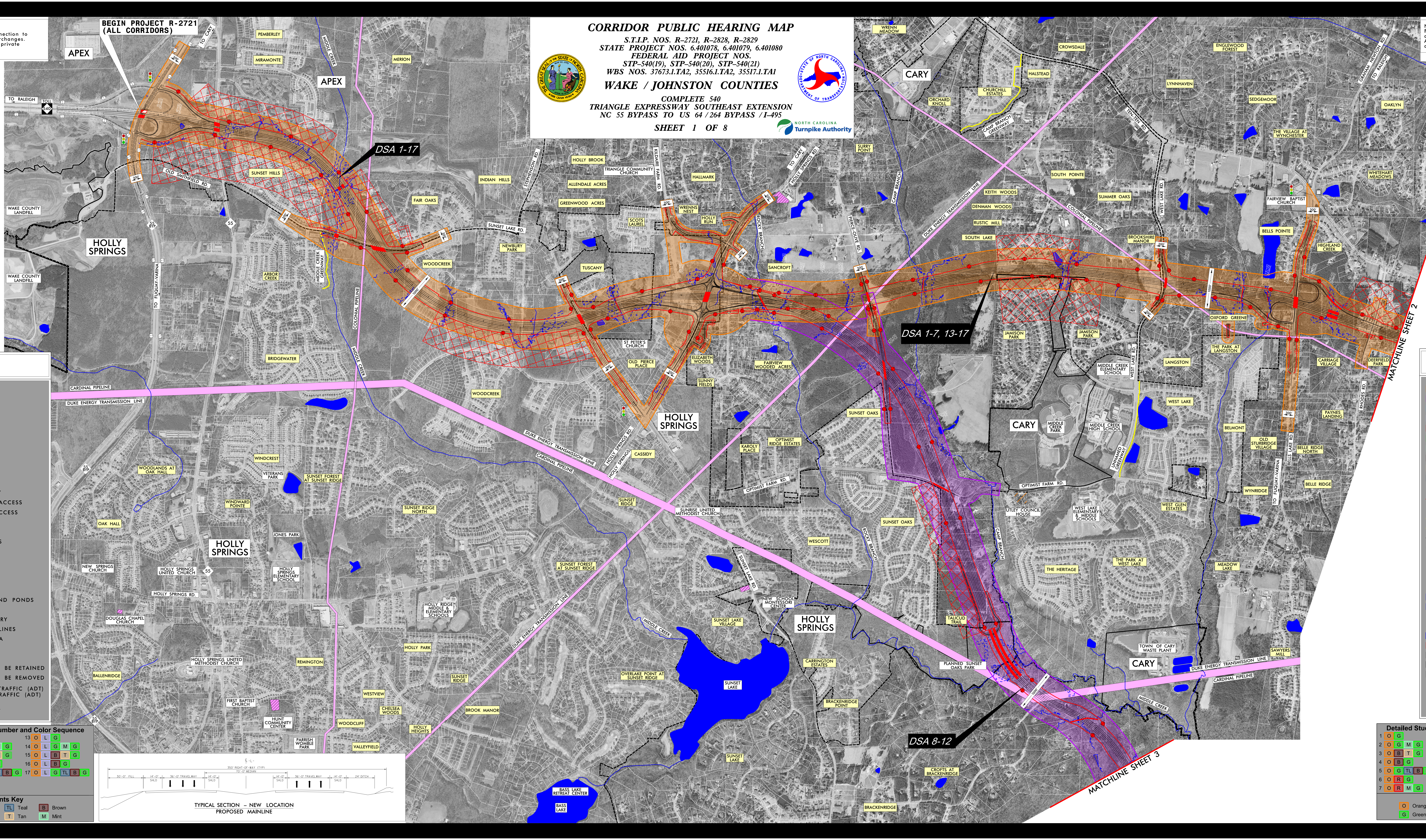
DSA *1 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

ORANGE HOLLY SPRINGS RD. TRAFFIC DIAGRAM



HOLLY SPRINGS RD
21,300
40,000
1,800
2,300
5,100
8,500
TRIANGLE EXPRESSWAY SE EXTENSION
21,800
57,800
17,600
47,400
TRIANGLE EXPRESSWAY SE EXTENSION
3,300
7,600
4,200
11,800
21,900
48,600
HOLLY SPRINGS RD
2012 ADT
2035 ADT

DSA *1 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014



BEGIN PROJECT R-2721 (ALL CORRIDORS)
APEX
TO CARY
TO RALEIGH
TOLL 540
300'
PEMBERLEY
MIRAMONTE
MIDDLE CREEK
MERION
APEX
DSA 1-17
OLD SMITHFIELD RD.
SUNSET HILLS
WAKE COUNTY LANDFILL
55 BYP
55
HOLLY SPRINGS
MIDDLE CREEK GREENWAY
ARBOR CREEK
COLONIAL PIPELINE
TO FUQUAY-VARINA
BRIDGEWATER
CARDINAL PIPELINE
DUKE ENERGY TRANSMISSION LINE
1000'
INDIAN HILLS
STEPHENSON RD.
HOLLY BROOK
TRIANGLE COMMUNITY CHURCH
ALLENDALE ACRES
GREENWOOD ACRES
FAIR OAKS
KILDAIRE FARM RD.
HALLMARK
SUNSET LAKE RD.
NEWBURY PARK
WOODCREEK
TUSCANY
SCOTS LAUREL
WRENNS NEST
HOLLY RUN
TO CARY
HOLLY SPRINGS RD.
ROCKY BRANCH
SANCROFT
PIERCE-OLIVE RD.
SURRY POINT
CAMP BRANCH
ST PETER'S CHURCH
OLD PIERCE PLACE
ELIZABETH WOODS
SUNNY FIELDS
FAIRVIEW WOODED ACRES
HOLLY SPRINGS
CASSIDY
SUNSET OAKS
KAROLY PLACE
OPTIMIST RIDGE ESTATES
OPTIMIST FARM RD.
WRENN MEADOW
CARY
ORCHARD KNOLL
CHURCHILL ESTATES
CAMP BRANCH GREENWAY
HALSTEAD
CROWSDALE
SOUTH POINTE
KEITH WOODS
DENMAN WOODS
RUSTIC MILL
SOUTH LAKE
SUMMER OAKS
COLONIAL PIPELINE
DSA 1-7, 13-17
JAMISON PARK
JAMISON PARK
CARY
MIDDLE CREEK PARK
MIDDLE CREEK ELEMENTARY SCHOOL
MIDDLE CREEK HIGH SCHOOL
UNNAMED GREENWAY
ENGLEWOOD FOREST
LYNNHAVEN
SEDGEMOOR
TEN-TEN RD.
GRAHAM NEWTON RD.
TO RALEIGH
OAKLYN
THE VILLAGE AT WYNCHESTER
WHITEHART MEADOWS
WEST LAKE RD.
FAIRVIEW BAPTIST CHURCH
BELLS POINTE
BROOKSHIRE MANOR
HIGHLAND CREEK
OXFORD GREENE
THE PARK AT LANGSTON
LANGSTON
CARRIAGE VILLAGE
DEERFIELD PARK
MATCHLINE SHEET 2
WEST LAKE
BELMONT
OLD STURBRIDGE VILLAGE
BELLS LAKE RD
BELLE RIDGE NORTH
PAYNES LANDING
RHODES RD.
BELLE RIDGE
WYNRIDGE
TO FUQUAY-VARINA
WEST GLEN ESTATES
UTLEY COUNCIL HOUSE
WEST LAKE ELEMENTARY & MIDDLE SCHOOLS
THE HERITAGE
THE PARK AT WEST LAKE
MEADOW LAKE
WINDCREST
WOODLANDS AT OAK HALL
VETERANS PARK
SUNSET FOREST AT SUNSET RIDGE
WINDWARD POINTE
SUNSET RIDGE NORTH
OAK HALL
JONES PARK
HOLLY SPRINGS
NEW SPRINGS CHURCH
HOLLY SPRINGS UNITED CHURCH
HOLLY SPRINGS ELEMENTARY SCHOOL
HOLLY SPRINGS RD.
DOUGLAS CHAPEL CHURCH
HOLLY RIDGE MIDDLE & ELEMENTARY SCHOOLS
SUNSET RIDGE
SUNRISE UNITED METHODIST CHURCH
SUNSET FOREST AT SUNSET RIDGE
SUNSET LAKE RD.
WESCOTT
NEW SCHOOL MONTESSORI CENTER
SUNSET LAKE VILLAGE
HOLLY SPRINGS
TALICUD TRAIL
MIDDLE CREEK
HOLLY PARK
HOLLY SPRINGS UNITED METHODIST CHURCH
REMINGTON
BALLENRIDGE
OVERLAKE POINT AT SUNSET RIDGE
SUNSET LAKE
CARRINGTON ESTATES
PLANNED SUNSET OAKS PARK
DSA 8-12
TOWN OF CARY WASTE PLANT
CARY
SAWYERS MILL
FIRST BAPTIST CHURCH
HUNT COMMUNITY CENTER
WESTVIEW
CHELSEA WOODS
WOODCLIFF
HOLLY HEIGHTS
VALLEYFIELD
PARRISH WOMBLE PARK
BROOK MANOR
SUNSET LAKE
BRACKENRIDGE POINT
CROFTS AT BRACKENRIDGE
BRACKENRIDGE
BASS LAKE RETREAT CENTER
BASS LAKE
MATCHLINE SHEET 3
℄ -L-
350' RIGHT-OF-WAY (TYP)
70'-0" MEDIAN
30'-0" FILL
14'-0" SHLD
36'-0" TRAVELWAY
14'-0" SHLD
14'-0" SHLD
36'-0" TRAVELWAY
14'-0" SHLD
24' DITCH

TYPICAL SECTION – NEW LOCATION
PROPOSED MAINLINE

LEGEND

🟧	ORANGE CORRIDOR
🟪	PURPLE CORRIDOR
🟦	BLUE CORRIDOR
🟪	LILAC CORRIDOR
🟥	RED CORRIDOR
🟩	GREEN CORRIDOR
🟩	MINT CORRIDOR
🟫	BROWN CORRIDOR
🟫	TAN CORRIDOR
🟦	TEAL CORRIDOR
—⊕—	PROPOSED RIGHT OF WAY
—●—	PROPOSED CONTROL OF ACCESS
○	EXISTING CONTROL OF ACCESS
—	GREENWAYS
- - -	RELOCATED GREENWAY
- - - -	CITY OR TOWNSHIP LIMITS
■ ■ ■ ■	COUNTY LIMITS
— —	PROPERTY LINES
▬	UTILITY EASEMENT
▨	CEMETERY
HPB	HISTORIC PROPERTY
■	LAKES, RIVERS, STREAMS AND PONDS
⊻ ⊻ ⊻ ⊻ ⊻	WETLAND
- -WLB- -	WETLAND LIMITS BOUNDARY
- JS NEU -	JURISDICTIONAL STREAM LINES
▩	CRITICAL WATERSHED AREA
▩	NOISE STUDY AREA
■	PROPOSED STRUCTURES
▨	EXISTING STRUCTURES TO BE RETAINED
▨	EXISTING STRUCTURES TO BE REMOVED
2012 2035	PRESENT AVERAGE DAILY TRAFFIC (ADT) FUTURE AVERAGE DAILY TRAFFIC (ADT)
🚦	EXISTING TRAFFIC SIGNAL

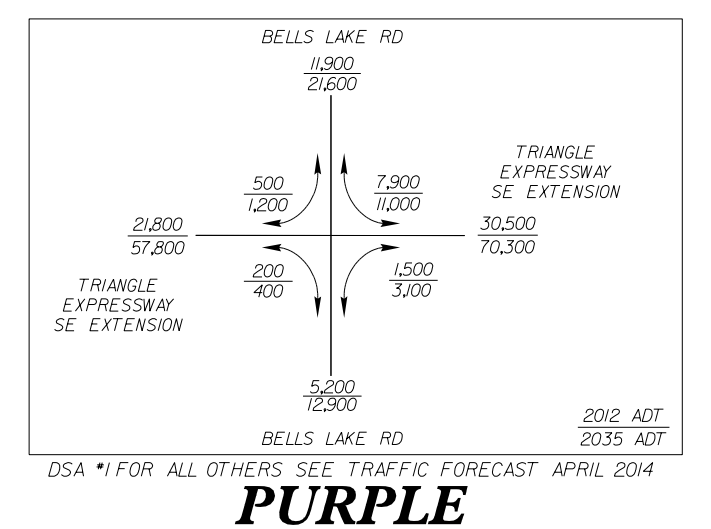
Detailed Study Alternative (DSA) Number and Color Sequence

1	O G		8	O PU BL L G		13	O L G	
2	O G M G		9	O PU BL L G M G		14	O L G M G	
3	O B T G		10	O PU BL L B T G		15	O L B T G	
4	O B G		11	O PU BL L B G		16	O L B G	
5	O G TL B G		12	O PU BL L G TL B G		17	O L G TL B G	
6	O R G							
7	O R M G							

Corridor Segments Key

O	Orange	PU	Purple	L	Lilac	TL	Teal	B	Brown
G	Green	BL	Blue	R	Red	T	Tan	M	Mint

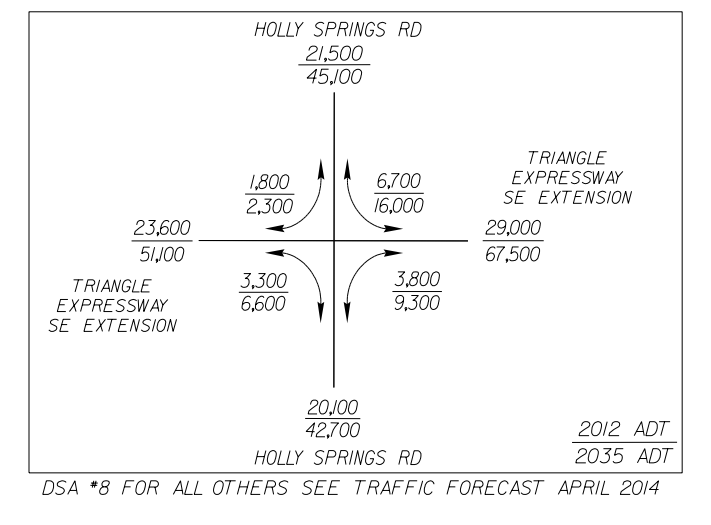
ORANGE BELLS LAKE RD. TRAFFIC DIAGRAM



BELLS LAKE RD
11,900
21,600
500
1,200
7,900
11,000
TRIANGLE EXPRESSWAY SE EXTENSION
30,500
70,300
21,800
57,800
TRIANGLE EXPRESSWAY SE EXTENSION
200
400
1,500
3,100
5,200
12,900
BELLS LAKE RD
2012 ADT
2035 ADT

DSA *1 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

PURPLE HOLLY SPRINGS RD. TRAFFIC DIAGRAM



HOLLY SPRINGS RD
21,500
45,000
1,800
2,300
6,700
16,000
TRIANGLE EXPRESSWAY SE EXTENSION
29,000
67,500
23,600
51,100
TRIANGLE EXPRESSWAY SE EXTENSION
3,300
6,600
3,800
9,300
20,100
42,700
HOLLY SPRINGS RD
2012 ADT
2035 ADT

DSA *8 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

CORRIDOR PUBLIC HEARING MAP
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FEDERAL AID PROJECT NOS.
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COMPLETE 540
TRIANGLE EXPRESSWAY SOUTHEAST EXTENSION
NC 55 BYPASS TO US 64 / 264 BYPASS / I–495
SHEET 1 OF 8
NORTH CAROLINA Turnpike Authority

CORRIDOR 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, 35517.1.TA1
WAKE / JOHNSTON COUNTIES
COMPLETE 540
TRIANGLE EXPRESSWAY SOUTHEAST EXTENSION
NC 55 BYPASS TO US 64 / 264 BYPASS / I–495
SHEET 1 OF 8
NORTH CAROLINA Turnpike Authority

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GIS Property Boundaries = JULY 2015

INCOMPLETE PLANS
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PRELIMINARY PLANS
SUBJECT TO CHANGE

500' 0' 500' 1000'
250'
(ENGLISH)
NAD 83

LEGEND
ORANGE CORRIDOR
PURPLE CORRIDOR
BLUE CORRIDOR
LILAC CORRIDOR
RED CORRIDOR
GREEN CORRIDOR
MINT CORRIDOR
BROWN CORRIDOR
TAN CORRIDOR
TEAL CORRIDOR
PROPOSED RIGHT OF WAY
PROPOSED CONTROL OF ACCESS
EXISTING CONTROL OF ACCESS
GREENWAYS
RELOCATED GREENWAY
CITY OR TOWNSHIP LIMITS
COUNTY LIMITS
PROPERTY LINES
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EXISTING STRUCTURES TO BE REMOVED
2012 2035 PRESENT AVERAGE DAILY TRAFFIC (ADT) FUTURE AVERAGE DAILY TRAFFIC (ADT)
EXISTING TRAFFIC SIGNAL

Detailed Study Alternative (DSA) Number and Color Sequence
1 O G; 2 O G M G; 3 O B T G; 4 O B G; 5 O G TL B G; 6 O R G; 7 O R M G
8 O PU BL L G; 9 O PU BL L G M G; 10 O PU BL L B T G; 11 O PU BL L B G; 12 O PU BL L G TL B G
13 O L G; 14 O L G M G; 15 O L B T G; 16 O L B G; 17 O L G TL B G

Corridor Segments Key
O Orange; PU Purple; L Lilac; TL Teal; B Brown
G Green; BL Blue; R Red; T Tan; M Mint