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 7E 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

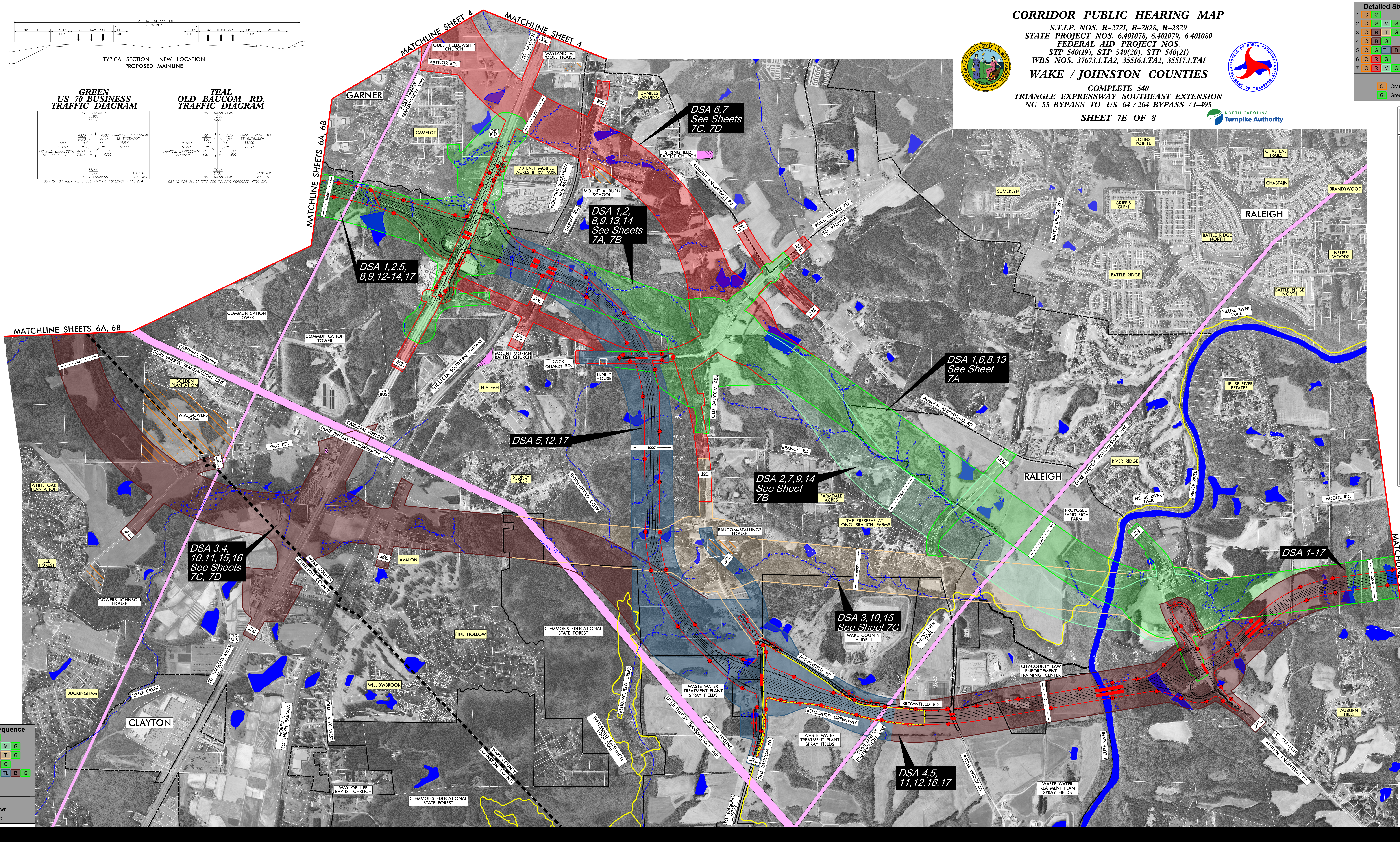
ORTHOPHOTO DATA	
GIS Aerial Mapping	= JAN 2014
GIS Property Boundaries	= JULY 2015

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
SUBJECT TO CHANGE

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

NAD 83


℄ -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
GREEN
US 70 BUSINESS
TRAFFIC DIAGRAM
US 70 BUSINESS
33,900
47,300
4,900
6,600
4,900
10,000
TRIANGLE EXPRESSWAY SE EXTENSION
27,500
56,100
25,800
50,200
TRIANGLE EXPRESSWAY SE EXTENSION
4,600
7,600
6,300
10,100
35,000
48,400
US 70 BUSINESS
2012 ADT
2035 ADT
DSA *5 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014
TEAL
OLD BAUCOM RD.
TRAFFIC DIAGRAM
OLD BAUCOM ROAD
3,500
5,100
100
200
3,000
3,800
TRIANGLE EXPRESSWAY SE EXTENSION
33,000
63,700
27,500
56,100
TRIANGLE EXPRESSWAY SE EXTENSION
300
800
2,900
4,800
3,600
6,700
OLD BAUCOM ROAD
2012 ADT
2035 ADT
DSA *5 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014
MATCHLINE SHEET 4
MATCHLINE SHEET 4
MATCHLINE SHEETS 6A, 6B
MATCHLINE SHEETS 6A, 6B
MATCHLINE SHEET 8
GARNER
RALEIGH
RALEIGH
CLAYTON
QUEST FELLOWSHIP CHURCH
RAYNOR RD.
TO RALEIGH
WAYLAND E. POOLE HOUSE
DUKE ENERGY TRANSMISSION LINE
CAMELOT
70 BUS
DANIELS LANDING
DSA 6,7 See Sheets 7C, 7D
SPRINGFIELD BAPTIST CHURCH
AUBURN KNIGHTDALE RD.
70–EAST MOBILE ACRES & RV PARK
NORFOLK SOUTHERN RAILWAY
MOUNT AUBURN SCHOOL
GARNER RD.
DSA 1,2, 8,9,13,14 See Sheets 7A, 7B
DSA 1,2,5, 8,9,12-14,17
ROCK QUARRY RD.
TO RALEIGH
SUMERLYN
BATTLE BRIDGE RD.
JOHNS POINTE
GRIFFIS GLEN
CHASTEAL TRAILS
CHASTAIN
BRANDYWOOD
BATTLE RIDGE NORTH
BATTLE RIDGE
BATTLE RIDGE NORTH
NEUSE WOODS
NEUSE RIVER TRAIL
COMMUNICATION TOWER
COMMUNICATION TOWER
MOUNT MORIAH BAPTIST CHURCH
ROCK QUARRY RD.
PENNY HOUSE
HIALEAH
NORFOLK SOUTHERN RAILWAY
DSA 1,6,8,13 See Sheet 7A
AUBURN KNIGHTDALE RD.
NEUSE RIVER ESTATES
CARDINAL PIPELINE
DUKE ENERGY TRANSMISSION LINE
GOLDEN PLANTATION
W.A. GOWERS FARM
GUY RD.
DSA 5,12,17
OLD BAUCOM RD.
BRANCH RD.
STONEY CREEK
BEDDINGFIELD CREEK
DSA 2,7,9,14 See Sheet 7B
FARMDALE ACRES
RIVER RIDGE
DUKE ENERGY TRANSMISSION LINE
NEUSE RIVER TRAIL
NEUSE RIVER
HODGE RD.
PROPOSED RANDLEIGH FARM
THE PRESERVE AT LONG BRANCH FARMS
BAUCOM–STALLINGS HOUSE
WHITE OAK PLANTATION
LEE FOREST
DSA 3,4, 10,11,15,16 See Sheets 7C, 7D
AVALON
WAKE COUNTY
JOHNSTON COUNTY
GOWERS JOHNSON HOUSE
DSA 1-17
DSA 3,10,15 See Sheet 7C
WAKE COUNTY LANDFILL
NEUSE RIVER TRAIL
CLEMMONS EDUCATIONAL STATE FOREST
PINE HOLLOW
CITY/COUNTY LAW ENFORCEMENT TRAINING CENTER
BROWNFIELD RD.
BROWNFIELD RD.
RELOCATED GREENWAY
WASTE WATER TREATMENT PLANT SPRAY FIELDS
WASTE WATER TREATMENT PLANT SPRAY FIELDS
WASTE WATER TREATMENT PLANT SPRAY FIELDS
BATTLE BRIDGE RD.
NEUSE RIVER
AUBURN HILLS
TO CLAYTON
AUBURN KNIGHTDALE RD.
DSA 4,5, 11,12,16,17
WILLOWBROOK
BEDDINGFIELD CREEK
WATERSHED EXTENSION LOOP TRAIL
DUKE ENERGY TRANSMISSION LINE
CARDINAL PIPELINE
OLD BAUCOM RD.
TO WILSONS MILLS
TO WILSONS MILLS
LITTLE CREEK
BUCKINGHAM
OLD US 70 WEST
NORFOLK SOUTHERN RAILWAY
WAY OF LIFE BAPTIST CHRUCH
CLEMMONS EDUCATIONAL STATE FOREST
WAKE COUNTY
JOHNSTON COUNTY
300'
1000'
350'

LEGEND

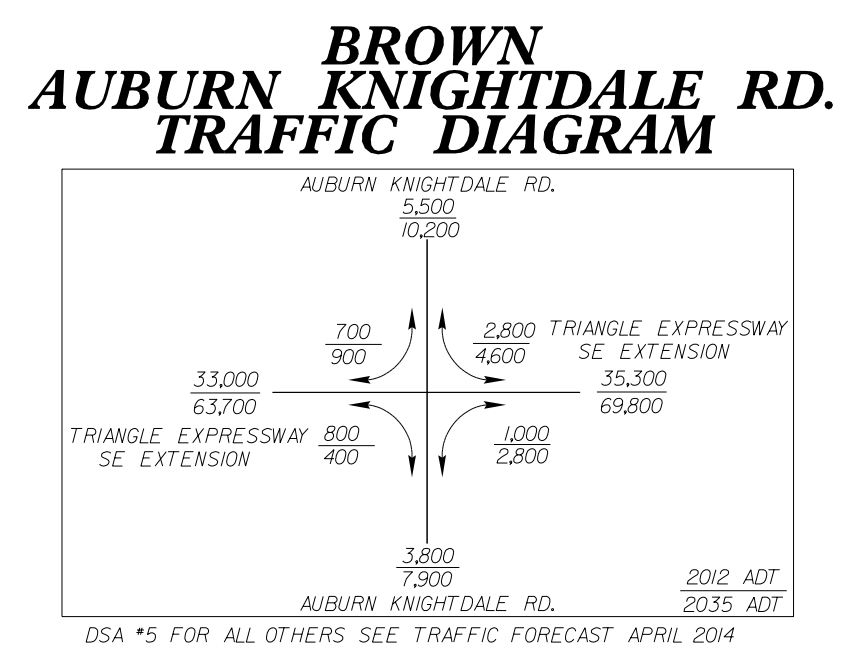
- ORANGE CORRIDOR
- PURPLE CORRIDOR
- BLUE CORRIDOR
- LILAC CORRIDOR
- RED CORRIDOR
- GREEN CORRIDOR
- MINT CORRIDOR
- BROWN CORRIDOR
- TAN CORRIDOR
- TEAL CORRIDOR
- PROPOSED RIGHT OF WAY
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- GREENWAYS
- RELOCATED GREENWAY
- CITY OR TOWNSHIP LIMITS
- 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

DSA	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



BROWN AUBURN KNIGHTDALE RD. TRAFFIC DIAGRAM

AUBURN KNIGHTDALE RD.
5,500
10,200
700
900
2,800
4,600
TRIANGLE EXPRESSWAY SE EXTENSION
35,300
69,800
33,000
63,700
TRIANGLE EXPRESSWAY SE EXTENSION
800
400
1,000
2,800
3,800
7,900
AUBURN KNIGHTDALE RD.
2012 ADT
2035 ADT
DSA *5 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

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
HISTORIC PROPERTY
LAKES, RIVERS, STREAMS AND PONDS
WETLAND
WETLAND LIMITS BOUNDARY
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; 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

500' 0' 500' 1000'
250'
(ENGLISH)
NAD 83
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION
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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 7E 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
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NORTH CAROLINA Turnpike Authority