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 3 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

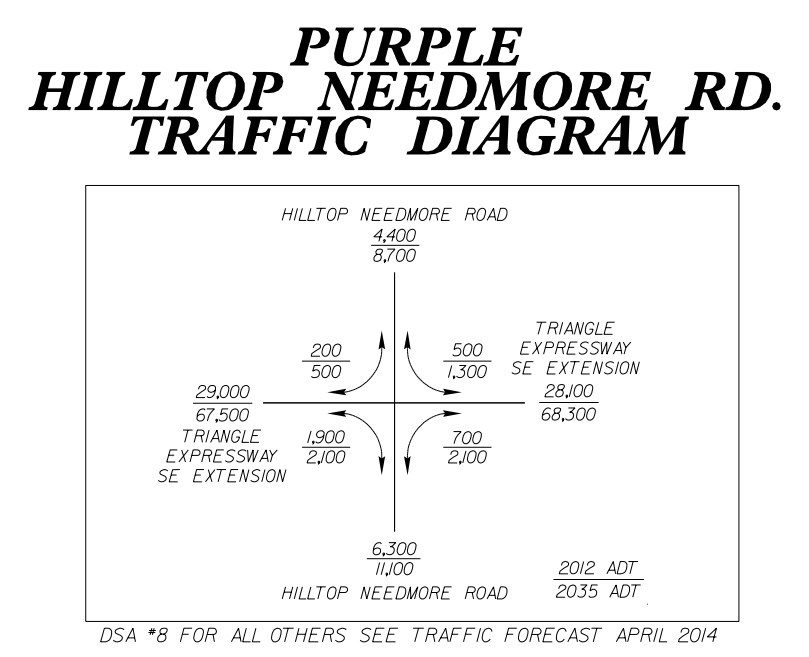
GIS Aerial Mapping = JAN 2014
GIS Property Boundaries = JULY 2015

PRELIMINARY PLANS
SUBJECT TO CHANGE

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

500′ 250′ 0′ 500′ 1000′
(ENGLISH)

NAD 83


PURPLE
HILLTOP NEEDMORE RD.
TRAFFIC DIAGRAM

HILLTOP NEEDMORE ROAD
4,400 / 8,700
200 / 500
500 / 1,300
TRIANGLE EXPRESSWAY SE EXTENSION
29,000 / 67,500
28,100 / 68,300
TRIANGLE EXPRESSWAY SE EXTENSION
1,900 / 2,100
700 / 2,100
6,300 / 11,100
HILLTOP NEEDMORE ROAD
2012 ADT / 2035 ADT

DSA #8 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

LEGEND

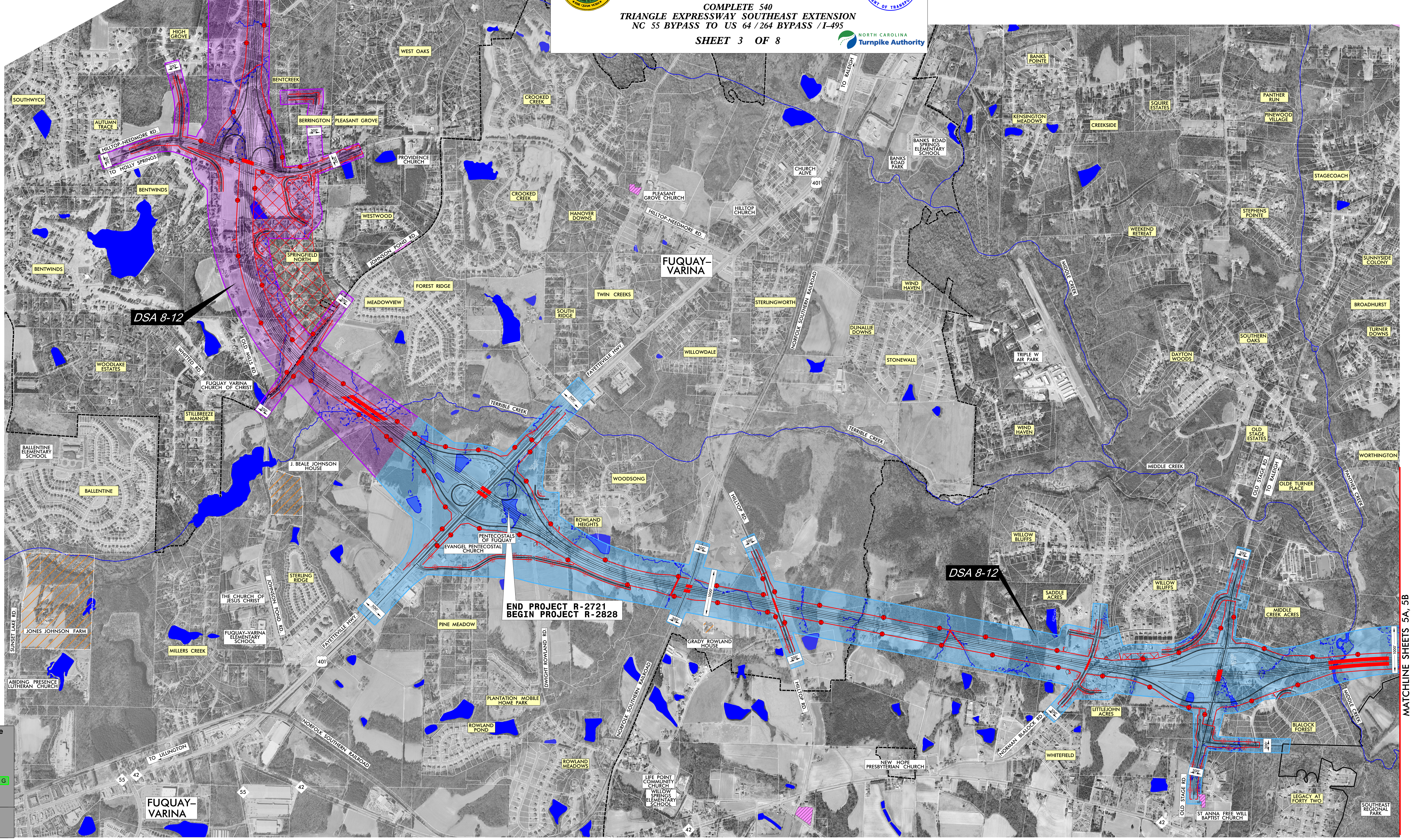
🟧	ORANGE CORRIDOR
🟪	PURPLE CORRIDOR
🟦	BLUE CORRIDOR
🟪	LILAC CORRIDOR
🟥	RED CORRIDOR
🟩	GREEN CORRIDOR
🟩	MINT CORRIDOR
🟫	BROWN CORRIDOR
🟨	TAN CORRIDOR
🟦	TEAL CORRIDOR
—Ⓡ—	PROPOSED RIGHT OF WAY
—●—	PROPOSED CONTROL OF ACCESS
○	EXISTING CONTROL OF ACCESS
—	GREENWAYS
- - - -	RELOCATED GREENWAY
- - - -	CITY OR TOWNSHIP LIMITS
■ ■ ■ ■	COUNTY LIMITS
— —	PROPERTY LINES
▭	UTILITY EASEMENT
▨	CEMETERY
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

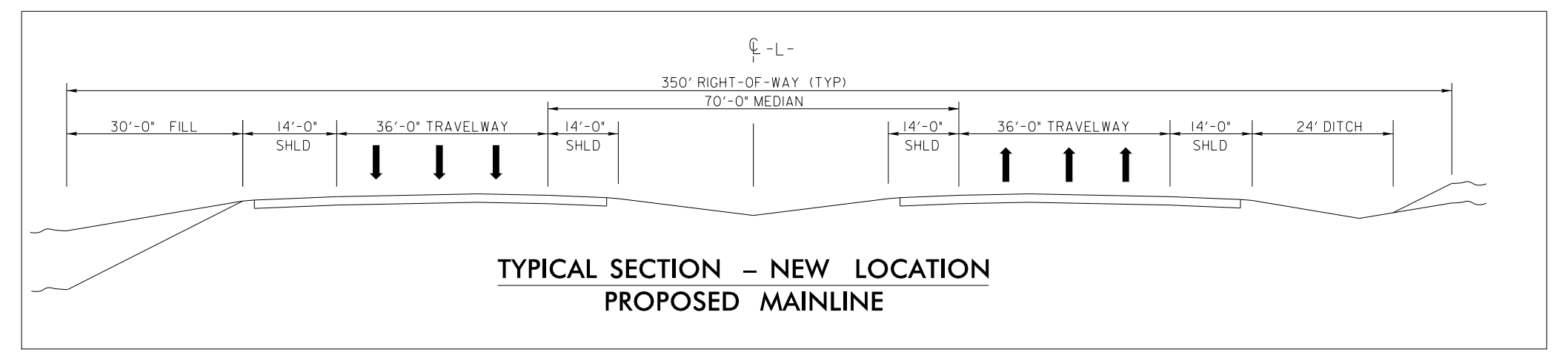
1	O G	8	O PU BL L G	13	O L G
2	O G M G	9	O PU BL L G M G	14	O L G M G
3	O B T G	10	O PU BL L B T G	15	O L B T G
4	O B G	11	O PU BL L B G	16	O L B G
5	O G TL B G	12	O PU BL L G TL B G	17	O L G TL B G
6	O R G				
7	O R M G				

Corridor Segments Key

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

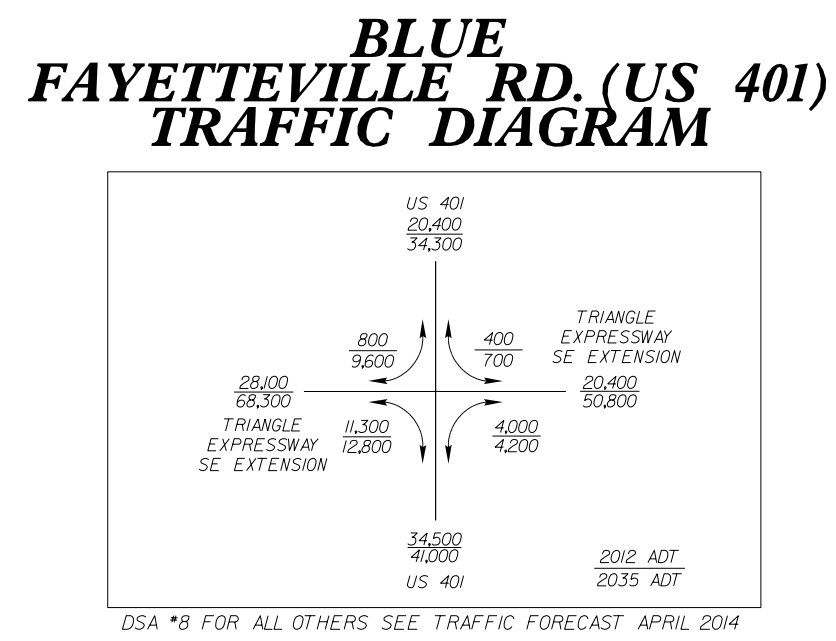


MATCHLINE SHEET 1
CARY
AMHERST
MIDDLE CREEK
LEBRUN PATH
HIGH GROVE
HIGH GROVE
WEST OAKS
BENTCREEK
CROOKED CREEK
SOUTHWYCK
AUTUMN TRACE
BERRINGTON
PLEASANT GROVE
HILLTOP-NEEDMORE RD.
TO HOLLY SPRINGS
300′
PROVIDENCE CHURCH
BENTWINDS
CROOKED CREEK
HANOVER DOWNS
PLEASANT GROVE CHURCH
HILLTOP-NEEDMORE RD.
HILLTOP CHURCH
WESTWOOD
JOHNSON POND RD.
SPRINGFIELD NORTH
FUQUAY–VARINA
BENTWINDS
FOREST RIDGE
MEADOWVIEW
TWIN CREEKS
SOUTH RIDGE
DSA 8-12
WILLOWDALE
FAYETTEVILLE HWY.
WOODLAKE ESTATES
WHITTED RD.
OLD MILLS RD.
FUQUAY VARINA CHURCH OF CHRIST
STILLBREEZE MANOR
TERRIBLE CREEK
500′
BALLENTINE ELEMENTARY SCHOOL
J. BEALE JOHNSON HOUSE
BALLENTINE
WOODSONG
ROWLAND HEIGHTS
PENTECOSTALS OF FUQUAY
EVANGEL PENTECOSTAL CHURCH
HILLTOP RD.
STERLING RIDGE
THE CHURCH OF JESUS CHRIST
JOHNSON POND RD.
END PROJECT R-2721
BEGIN PROJECT R-2828
1000′
PINE MEADOW
SUNSET LAKE RD.
JONES JOHNSON FARM
FUQUAY–VARINA ELEMENTARY SCHOOL
MILLERS CREEK
401
DWIGHT ROWLAND RD.
GRADY ROWLAND HOUSE
ABIDING PRESENCE LUTHERAN CHURCH
PLANTATION MOBILE HOME PARK
ROWLAND POND
NORFOLK SOUTHERN RAILROAD
TO LILLINGTON
55
42
ROWLAND MEADOWS
LIFE POINT COMMUNITY CHURCH
WILLOW SPRINGS ELEMENTARY SCHOOL
FUQUAY–VARINA
TO RALEIGH
CHURCH ALIVE
BANKS ROAD SPRINGS ELEMENTARY SCHOOL
BANKS ROAD PARK
BANKS POINTE
KENSINGTON MEADOWS
CREEKSIDE
SQUIRE ESTATES
PANTHER RUN
PINEWOOD VILLAGE
STAGECOACH
STEPHENS POINTE
WEEKEND RETREAT
SUNNYSIDE COLONY
STERLINGWORTH
NORFOLK SOUTHERN RAILROAD
WIND HAVEN
DUNALLIE DOWNS
STONEWALL
TRIPLE W AIR PARK
MIDDLE CREEK
BROADHURST
SOUTHERN OAKS
DAYTON WOODS
TURNER DOWNS
WIND HAVEN
OLD STAGE ESTATES
WORTHINGTON
MIDDLE CREEK
OLD STAGE RD.
TO RALEIGH
OLDE TURNER PLACE
PANTHER CREEK
WILLOW BLUFFS
WILLOW BLUFFS
SADDLE ACRES
DSA 8-12
MIDDLE CREEK ACRES
LITTLEJOHN ACRES
NORMAN BLALOCK RD.
WHITEFIELD
BLALOCK FOREST
NEW HOPE PRESBYTERIAN CHURCH
OLD STAGE RD.
ST ANNA FREE WILL BAPTIST CHURCH
LEGACY AT FORTY TWO
SOUTHEAST REGIONAL PARK
MATCHLINE SHEETS 5A, 5B



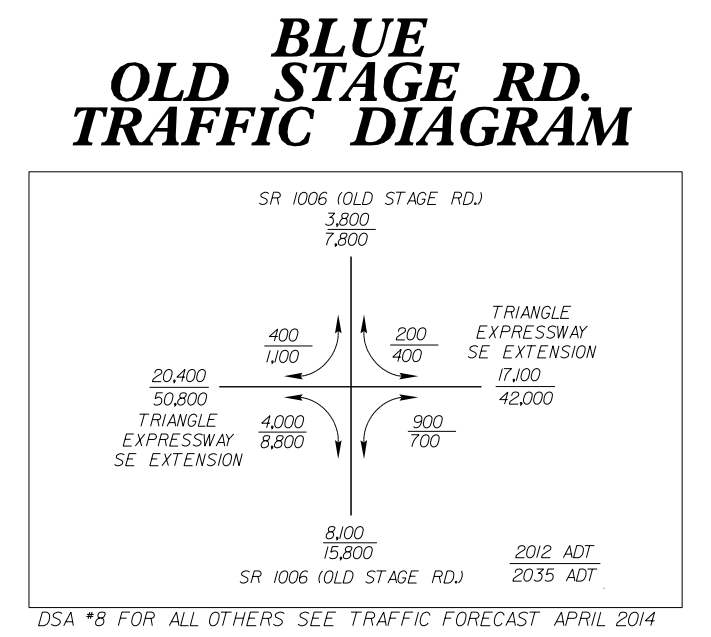
℄ -L-
350′ RIGHT-OF-WAY (TYP)
70′-0" MEDIAN
30′-0" FILL
14′-0" SHLD
36′-0" TRAVELWAY
14′-0" SHLD
14′-0" SHLD
36′-0" TRAVELWAY
14′-0" SHLD
24′ DITCH

TYPICAL SECTION – NEW LOCATION
PROPOSED MAINLINE


BLUE
FAYETTEVILLE RD. (US 401)
TRAFFIC DIAGRAM

US 401
20,400 / 34,300
800 / 9,600
400 / 700
TRIANGLE EXPRESSWAY SE EXTENSION
28,100 / 68,300
20,400 / 50,800
TRIANGLE EXPRESSWAY SE EXTENSION
11,300 / 12,800
4,000 / 4,200
34,500 / 41,000
US 401
2012 ADT / 2035 ADT

DSA #8 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014


BLUE
OLD STAGE RD.
TRAFFIC DIAGRAM

SR 1006 (OLD STAGE RD.)
3,800 / 7,800
400 / 1,100
200 / 400
TRIANGLE EXPRESSWAY SE EXTENSION
20,400 / 50,800
17,100 / 42,000
TRIANGLE EXPRESSWAY SE EXTENSION
4,000 / 8,800
900 / 700
8,100 / 15,800
SR 1006 (OLD STAGE RD.)
2012 ADT / 2035 ADT

DSA #8 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

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

PRELIMINARY PLANS SUBJECT TO CHANGE
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION
(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
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
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

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 3 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 3 OF 8
NORTH CAROLINA Turnpike Authority