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

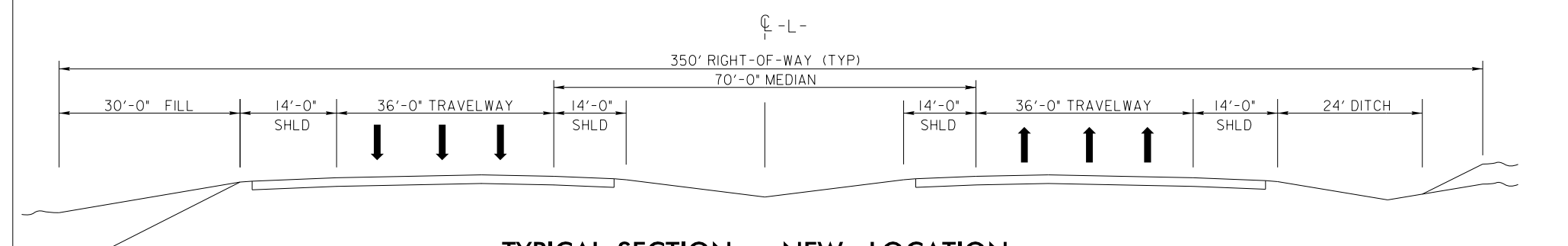
WAKE / JOHNSTON COUNTIES

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

SHEET 7D 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.



℄ -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

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

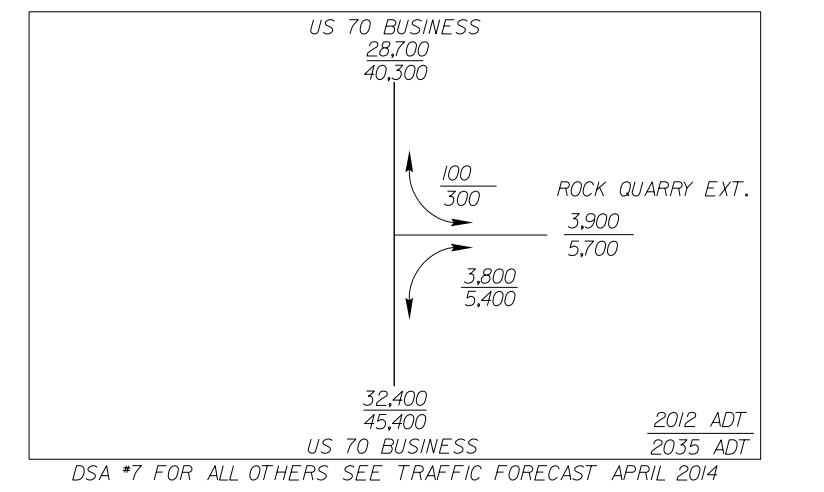
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
SUBJECT TO CHANGE

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

NAD 83

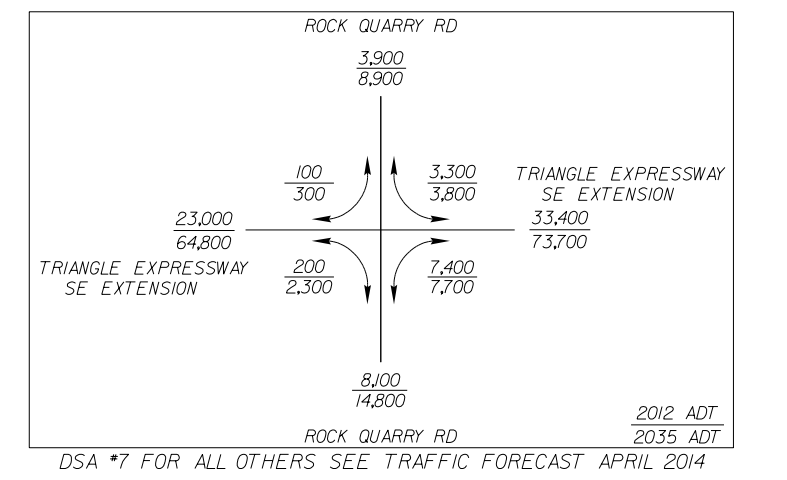
RED US 70 BUSINESS TRAFFIC DIAGRAM



US 70 BUSINESS
28,700
40,300
100
300
ROCK QUARRY EXT.
3,900
5,700
3,800
5,400
32,400
45,400
US 70 BUSINESS
2012 ADT
2035 ADT

DSA #7 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

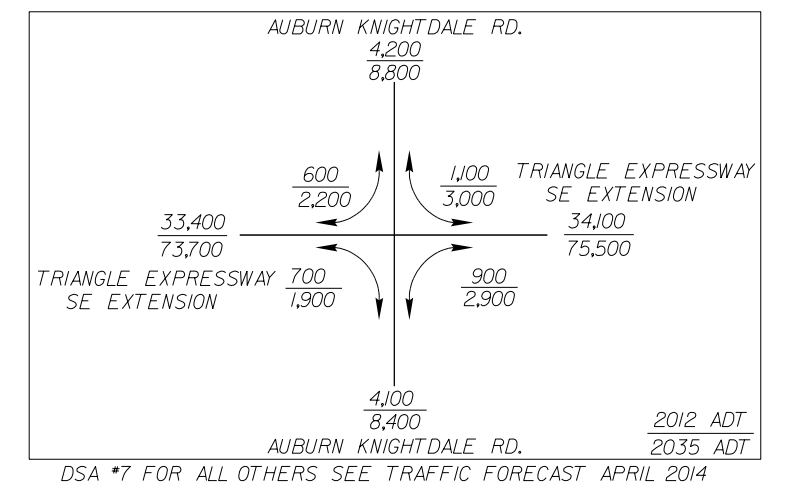
MINT ROCK QUARRY RD. TRAFFIC DIAGRAM



ROCK QUARRY RD
3,900
8,900
100
300
3,300
3,800
TRIANGLE EXPRESSWAY SE EXTENSION
33,400
73,700
23,000
64,800
TRIANGLE EXPRESSWAY SE EXTENSION
200
2,300
7,400
7,700
8,100
14,800
ROCK QUARRY RD
2012 ADT
2035 ADT

DSA #7 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

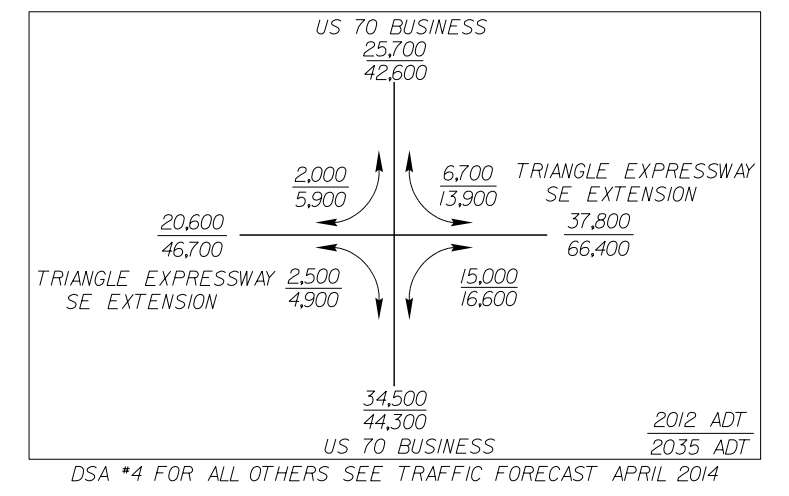
MINT AUBURN KNIGHTDALE RD. TRAFFIC DIAGRAM



AUBURN KNIGHTDALE RD.
4,200
8,800
600
2,200
1,100
3,000
TRIANGLE EXPRESSWAY SE EXTENSION
34,100
75,500
33,400
73,700
TRIANGLE EXPRESSWAY SE EXTENSION
700
1,900
900
2,900
4,100
8,400
AUBURN KNIGHTDALE RD.
2012 ADT
2035 ADT

DSA #7 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

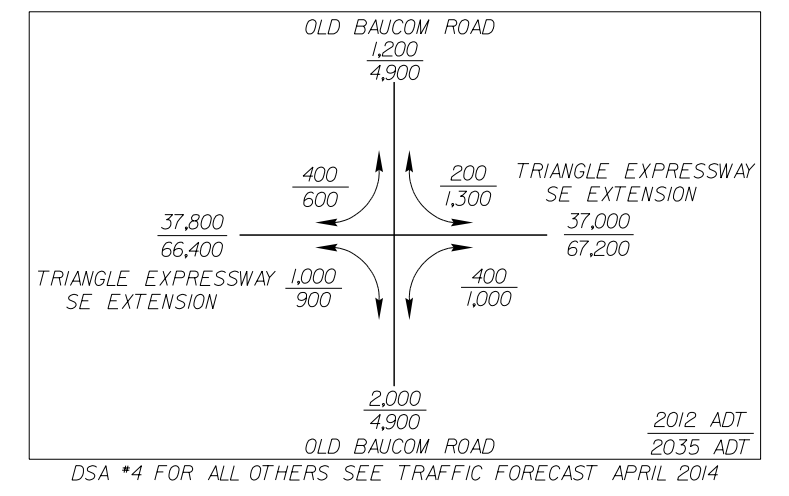
BROWN US 70 BUSINESS TRAFFIC DIAGRAM



US 70 BUSINESS
25,700
42,600
2,000
5,900
6,700
13,900
TRIANGLE EXPRESSWAY SE EXTENSION
37,800
66,400
20,600
46,700
TRIANGLE EXPRESSWAY SE EXTENSION
2,500
4,900
15,000
16,600
34,500
44,300
US 70 BUSINESS
2012 ADT
2035 ADT

DSA #4 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

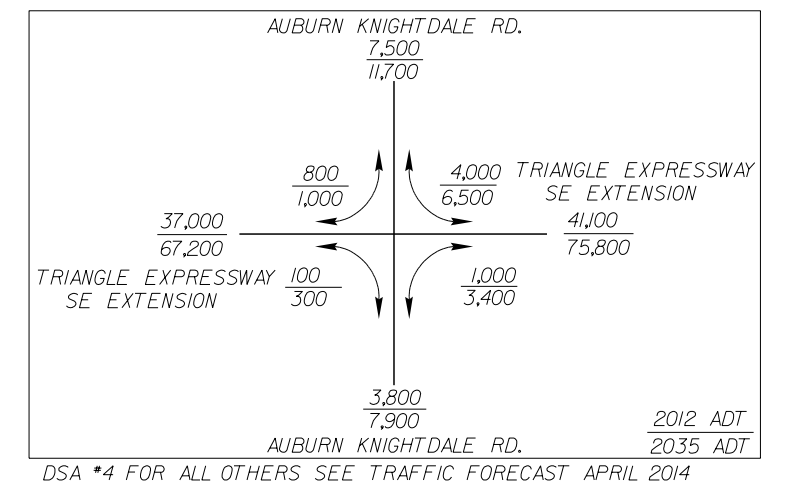
BROWN OLD BAUCOM RD. TRAFFIC DIAGRAM



OLD BAUCOM ROAD
1,200
4,900
400
600
200
1,300
TRIANGLE EXPRESSWAY SE EXTENSION
37,000
67,200
37,800
66,400
TRIANGLE EXPRESSWAY SE EXTENSION
1,000
900
400
1,000
2,000
4,900
OLD BAUCOM ROAD
2012 ADT
2035 ADT

DSA #4 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

BROWN AUBURN KNIGHTDALE RD. TRAFFIC DIAGRAM



AUBURN KNIGHTDALE RD.
7,500
11,700
800
1,000
4,000
6,500
TRIANGLE EXPRESSWAY SE EXTENSION
41,100
75,800
37,000
67,200
TRIANGLE EXPRESSWAY SE EXTENSION
100
300
1,000
3,400
3,800
7,900
AUBURN KNIGHTDALE RD.
2012 ADT
2035 ADT

DSA #4 FOR ALL OTHERS SEE TRAFFIC FORECAST APRIL 2014

LEGEND

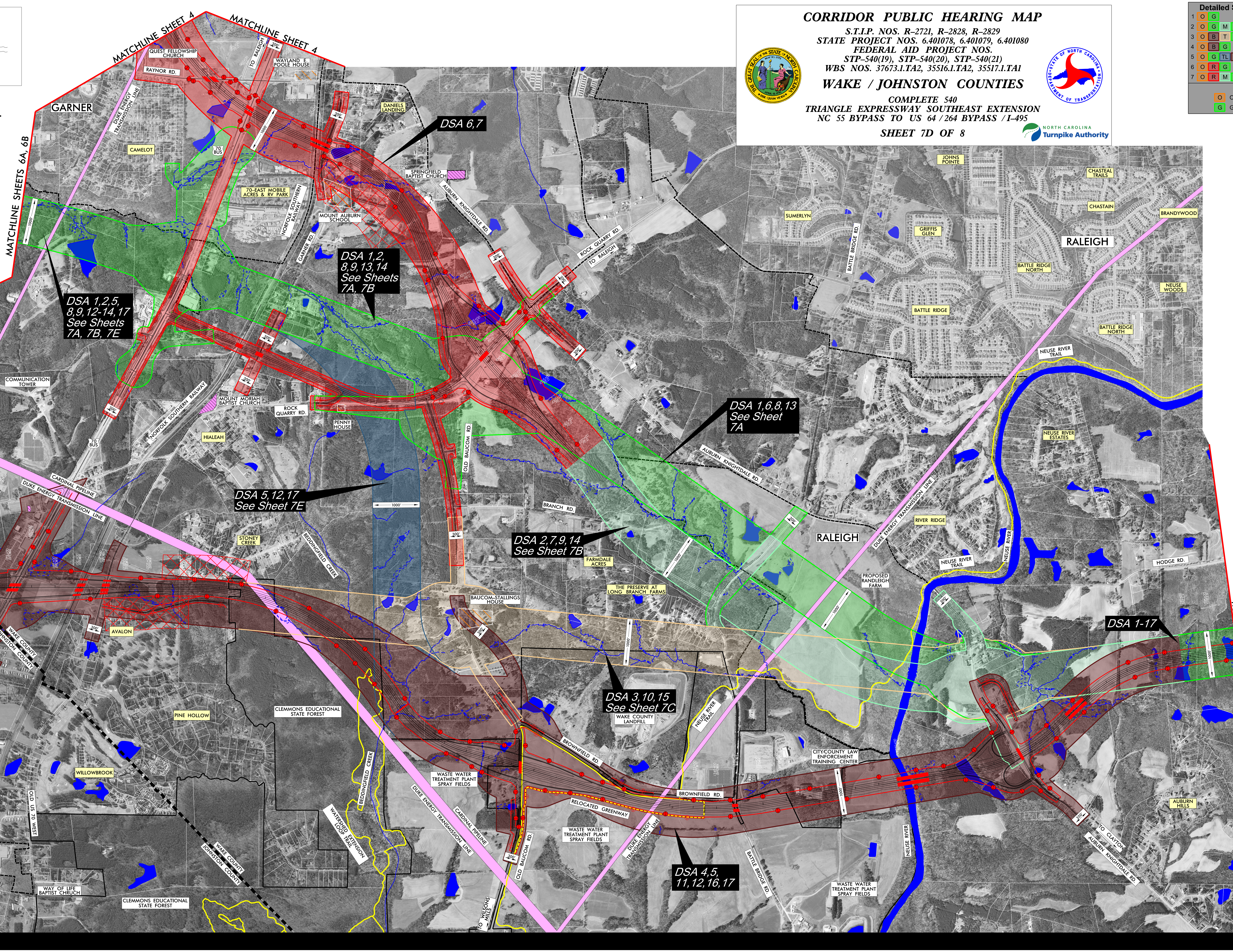
- 🟧 ORANGE CORRIDOR
- 🟪 PURPLE CORRIDOR
- 🟦 BLUE CORRIDOR
- ▭ LILAC CORRIDOR
- 🟥 RED CORRIDOR
- 🟩 GREEN CORRIDOR
- ▭ MINT CORRIDOR
- 🟫 BROWN CORRIDOR
- ▭ TAN CORRIDOR
- ▭ TEAL CORRIDOR
- ―⊕― PROPOSED RIGHT OF WAY
- ―●― PROPOSED CONTROL OF ACCESS
- ○ EXISTING CONTROL OF ACCESS
- ―― GREENWAYS
- - - - RELOCATED 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

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



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
SPRINGFIELD BAPTIST CHURCH
70-EAST MOBILE ACRES & RV PARK
NORFOLK SOUTHERN RAILWAY
MOUNT AUBURN SCHOOL
GARNER RD.
AUBURN KNIGHTDALE RD.
DSA 1,2, 8,9,13,14 See Sheets 7A, 7B
DSA 1,2,5, 8,9,12-14,17 See Sheets 7A, 7B, 7E
ROCK QUARRY RD.
TO RALEIGH
SUMERLYN
BATTLE BRIDGE RD.
JOHNS POINTE
GRIFFIS GLEN
BATTLE RIDGE
BATTLE RIDGE NORTH
BATTLE RIDGE NORTH
CHASTEAL TRAILS
CHASTAIN
BRANDYWOOD
NEUSE WOODS
NEUSE RIVER TRAIL
NEUSE RIVER ESTATES
COMMUNICATION TOWER
COMMUNICATION TOWER
MOUNT MORIAH BAPTIST CHURCH
ROCK QUARRY RD.
PENNY HOUSE
HIALEAH
DSA 1,6,8,13 See Sheet 7A
OLD BAUCOM RD.
BRANCH RD.
DSA 5,12,17 See Sheet 7E
CARDINAL PIPELINE
DUKE ENERGY TRANSMISSION LINE
GOLDEN PLANTATION
W.A. GOWERS FARM
GUY RD.
STONEY CREEK
BEDDINGFIELD CREEK
DSA 2,7,9,14 See Sheet 7B
FARMDALE ACRES
THE PRESERVE AT LONG BRANCH FARMS
PROPOSED RANDLEIGH FARM
RIVER RIDGE
NEUSE RIVER TRAIL
NEUSE RIVER
HODGE RD.
DSA 1-17
BAUCOM-STALLINGS HOUSE
WHITE OAK PLANTATION
LEE FOREST
GOWERS JOHNSON HOUSE
DSA 3,4, 10,11,15,16
AVALON
WAKE COUNTY
JOHNSTON COUNTY
PINE HOLLOW
CLEMMONS EDUCATIONAL STATE FOREST
DSA 3,10,15 See Sheet 7C
WAKE COUNTY LANDFILL
NEUSE RIVER TRAIL
BROWNFIELD RD.
BROWNFIELD RD.
CITY/COUNTY LAW ENFORCEMENT TRAINING CENTER
RELOCATED GREENWAY
WASTE WATER TREATMENT PLANT SPRAY FIELDS
WASTE WATER TREATMENT PLANT SPRAY FIELDS
WASTE WATER TREATMENT PLANT SPRAY FIELDS
WILLOWBROOK
BEDDINGFIELD CREEK
WATERSHED EXTENSION LOOP TRAIL
DUKE ENERGY TRANSMISSION LINE
CARDINAL PIPELINE
DSA 4,5, 11,12,16,17
BATTLE BRIDGE RD.
NEUSE RIVER
TO CLAYTON
AUBURN KNIGHTDALE RD.
AUBURN HILLS
OLD BAUCOM RD.
TO WILSONS MILLS
TO WILSONS MILLS
70 BUS
LITTLE CREEK
BUCKINGHAM
NORFOLK SOUTHERN RAILWAY
OLD US 70 WEST
WAY OF LIFE BAPTIST CHURCH
CLEMMONS EDUCATIONAL STATE FOREST
1000'
300'
350'

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 7D 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 7D OF 8
NORTH CAROLINA
Turnpike Authority

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
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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

NAD 83
500' 0' 500' 1000'
250'
(ENGLISH)
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
SUBJECT TO CHANGE
ORTHOPHOTO DATA
GIS Aerial Mapping = JAN 2014
GIS Property Boundaries = JULY 2015
DESIGN DATA
Functional Class. = Freeway
Design Speed = 70 mph
Max. Superelev. = 0.08
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.