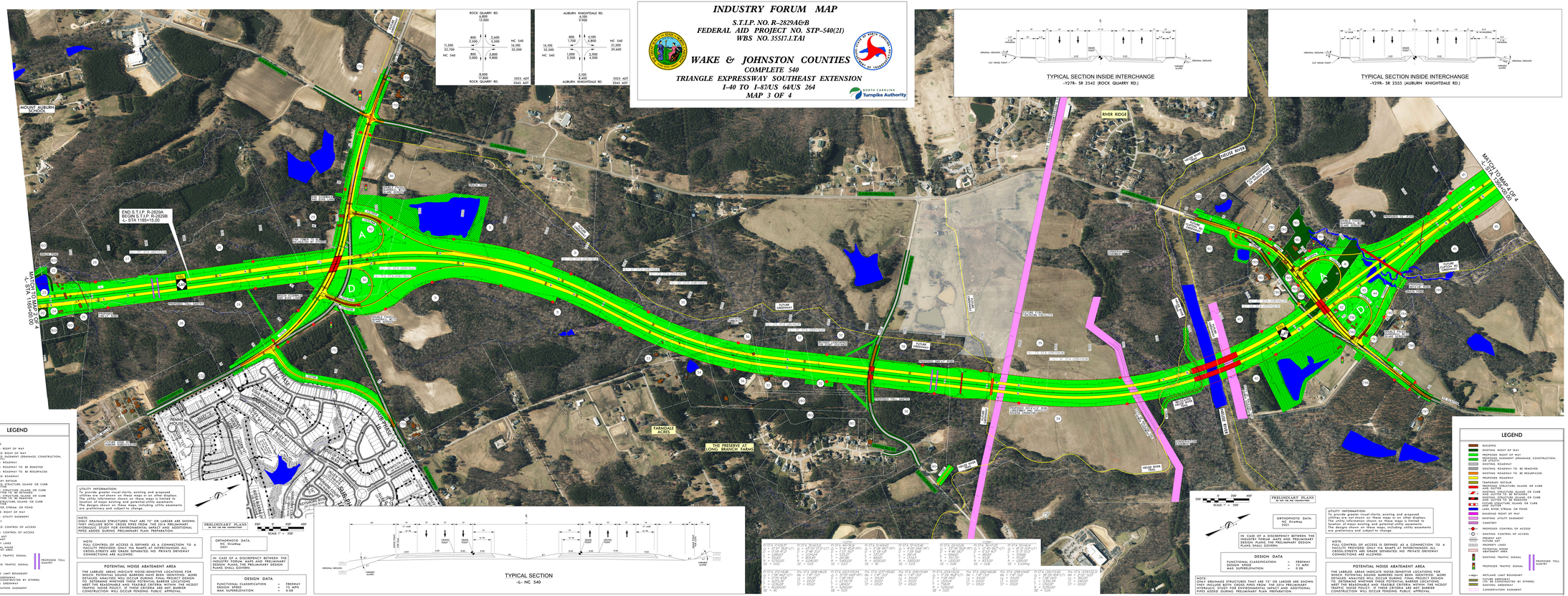
INDUSTRY FORUM MAP

S.T.I.P. NO. R-2829A&B
FEDERAL AID PROJECT NO. STP-540(21)
WBS NO. 35517.1.TA1

WAKE & JOHNSTON COUNTIES

COMPLETE 540
TRIANGLE EXPRESSWAY SOUTHEAST EXTENSION
I-40 TO I-87/US 64/US 264
MAP 3 OF 4

NORTH CAROLINA Turnpike Authority


ROCK QUARRY RD.
6,800
13,000
800
2,500
11,500
22,700
NC 540
800
2,500
NC 540
16,100
32,300
2,800
5,800
8,000
17,600
ROCK QUARRY RD.
2035 ADT
2045 ADT
NC 540
16,100
32,300
AUBURN KNIGHTDALE RD.
6,500
9,900
800
1,700
6,100
6,800
NC 540
21,200
39,600
1,000
2,500
2,500
4,500
5,100
8,400
AUBURN KNIGHTDALE RD.
2035 ADT
2045 ADT
TYPICAL SECTION INSIDE INTERCHANGE
-Y27R- SR 2542 (ROCK QUARRY RD.)
TYPICAL SECTION INSIDE INTERCHANGE
-Y29R- SR 2555 (AUBURN KNIGHTDALE RD.)
MOUNT AUBURN SCHOOL
END S.T.I.P. R-2829A
BEGIN S.T.I.P. R-2829B
-L- STA 1185+15.00
MATCH TO MAP 2 OF 4
-L- STA. 1051+00.00
MATCH TO MAP 4 OF 4
-L- STA. 1369+00.00
RIVER RIDGE
WHITE PINE
HOUSE RIVER
FARMDALE ACRES
THE PRESERVE AT LONG BRANCH FARMS
TYPICAL SECTION
-L- NC 540
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
EXISTING STRUCTURES (ISLAND OR CURB AND GUTTER)
PROPOSED STRUCTURE, ISLAND OR CURB AND GUTTER TO BE RETAINED
EXISTING STRUCTURES (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
PROPERTY ART
PROPERTY LINES
POTENTIAL NOISE ABATEMENT AREA
EXISTING TRAFFIC SIGNAL
PROPOSED TRAFFIC SIGNAL
PROPOSED TOLL GANTRY
WETLAND LIMIT BOUNDARY
FUTURE ESSENTIALLY TO BE CONSTRUCTED BY OTHERS)
EXISTING GREENWAY
CONSERVATION EASEMENT
UTILITY INFORMATION:
To provide greater visual clarity, existing and proposed utilities are not shown on these maps or on other displays. The utility information shown on these maps is limited to location of major existing and potential utility easements. The designs on these maps, including utility easements are preliminary and subject to change.
NOTE:
ONLY DRAINAGE STRUCTURES THAT ARE 72" OR LARGER ARE SHOWN. SMALLER STRUCTURES THAT ARE NOT SHOWN WILL BE ADDRESSED IN HYDRAULIC STUDY FOR ENVIRONMENTAL IMPACT AND ADDITIONAL PIPES ADDED DURING PRELIMINARY PLAN PREPARATION.
PRELIMINARY PLANS
NOT FOR RIGHT-OF-WAY CONSTRUCTION
SCALE: 1" = 200'
NOTE:
NO 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 NOISE BARRIERS WILL BE EVALUATED. ADDITIONAL MORE DETAILED ANALYSES WILL OCCUR DURING FINAL PROJECT DESIGN TO DETERMINE WHETHER THESE POTENTIAL BARRIER LOCATIONS ARE FEASIBLE AND REASONABLE IN ACCORDANCE WITH NCDOT TRAFFIC NOISE POLICY. IF THESE CRITERIA ARE MET, BARRIER CONSTRUCTION WILL OCCUR PENDING PUBLIC APPROVAL.
ORTHOPHOTO DATA:
NC OneMap
2021
IN CASE OF A DISCREPENCY BETWEEN THE INDUSTRY FORUM MAPS AND PRELIMINARY DESIGN PLANS, THE PRELIMINARY DESIGN PLANS SHALL GOVERN.
DESIGN DATA
FUNCTIONAL CLASSIFICATION = FREEWAY
DESIGN SPEED = 70 MPH
MAX SUPERELEVATION = 0.08
PLAN STA 1160+00
PLAN STA 1170+00
PLAN STA 1180+00
PLAN STA 1190+00
PLAN STA 1200+00
PLAN STA 1210+00
PLAN STA 1220+00
PLAN STA 1230+00
PLAN STA 1240+00
PLAN STA 1250+00
PLAN STA 1260+00
PLAN STA 1270+00
PLAN STA 1280+00
PLAN STA