PRELIMINARY
SUBJECT TO CHANGE

TRIANGLE PARKWAY

TRIANGLE PARKWAY
WBS# 39942.1.TA1 (U-4763B)
F.A. PROJECT NHS-54(7)

DURHAM - WAKE COUNTIES

TRIANGLE PARKWAY
FROM NC 540 TO I-40

North Carolina Turnpike Authority

JANUARY 30, 2008

SHEET 2 OF 3

U-4763B

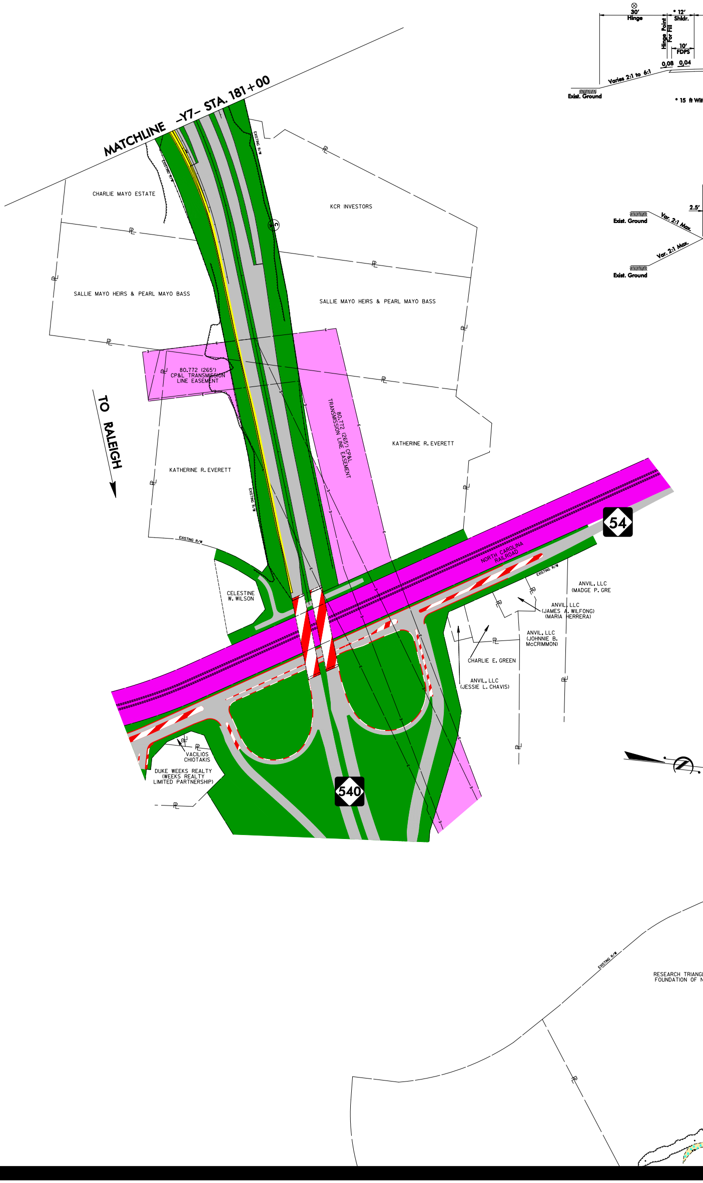
200' 100' 0' 200' 400'
(ENGLISH)

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

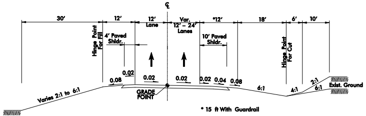
FUNCTIONAL PLANS
DO NOT USE FOR CONSTRUCTION

LEGEND

🟫	BUILDINGS
🟩	EXISTING RIGHT OF WAY
🟩	PROPOSED RIGHT OF WAY
▨	ALL EASEMENTS
⬜	EXISTING ROADWAY
▨	EXISTING ROADWAY TO BE REMOVED
🟧	EXISTING ROADWAY TO BE RESURFACED
▨	ROADWAY UNDER CONSTRUCTION
🟨	PROPOSED ROADWAY
■	TEMPORARY ROADWAY /DETOURS
▨	TEMPORARY STRUCTURE
▨	FUTURE ROADWAY
🟥	PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
▨	EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED
▨	EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE REMOVED
▨	FUTURE STRUCTURES, ISLAND, CURB AND GUTTER
🟦	LAKES, RIVER, STREAMS AND PONDS
🟪	RAILROAD RIGHT OF WAY
■	UTILITY EASEMENT
▨	CEMETERIES
▨	WETLANDS
■	PROPOSED WALKING TRAIL
▨	EXISTING WALKING TRAIL TO BE REMOVED
—●—	PROPOSED CONTROL OF ACCESS
—●—	PROPOSED PARTIAL CONTROL OF ACCESS
- ○ -	EXISTING CONTROL OF ACCESS
2011 2030	OPENING YEAR AVERAGE DAILY TRAFFIC FUTURE YEAR AVERAGE DAILY TRAFFIC
—℄—	PROPERTY LINES
▨	NOISE WALL
🚦	EXISTING TRAFFIC SIGNAL
🚦	PROPOSED TRAFFIC SIGNAL
-C---F-	SLOPE STAKE LIMITS
-----------	HISTORIC PROPERTY
—WLB—	WETLAND LIMITS BOUNDARY
—BZ—	STREAM BUFFER ZONE
🟥	TOLL CASH LANE-TO BE REMOVED BY 2030
●	ELECTRONIC TOLL COLLECTION LANE


MATCHLINE -Y7- STA. 181+00
CHARLIE MAYO ESTATE
KCR INVESTORS
SALLIE MAYO HEIRS & PEARL MAYO BASS
SALLIE MAYO HEIRS & PEARL MAYO BASS
80.772 (265') CP&L TRANSMISSION LINE EASEMENT
80.772 (265') CP&L TRANSMISSION LINE EASEMENT
TO RALEIGH
KATHERINE R. EVERETT
KATHERINE R. EVERETT
EXISTING R/W
CELESTINE W. WILSON
NORTH CAROLINA RAILROAD
54
ANVIL, LLC (MADGE P. GRE
ANVIL, LLC (JAMES A. WILFONG) (MARIA HERRERA)
ANVIL, LLC (JOHNNIE B. McCRIMMON)
CHARLIE E. GREEN
ANVIL, LLC (JESSIE L. CHAVIS)
VACILIOS CHIOTAKIS
DUKE WEEKS REALTY (WEEKS REALTY LIMITED PARTNERSHIP)
540
RESEARCH TRIANG FOUNDATION OF N
30' Hinge
Hinge Point For Fill
* 12' Shldr.
10' FDPS
0.08
0.04
Varies 2:1 to 6:1
Exist. Ground
* 15 ft Wit
2.5'
Var. 2:1 Max.
Var. 2:1 Max.
Exist. Ground
Exist. Ground

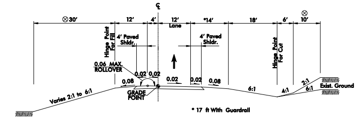
-YBFLY- & -YCFLY-


℄
30'
12'
12' Lane
Var. 12' - 24' Lanes
*12'
18'
6'
10'
Hinge Point For Fill
4' Paved Shldr.
10' Paved Shldr.
Hinge Point For Cut
0.08
0.02
0.02
0.02
0.02
0.04
0.08
GRADE POINT
Varies 2:1 to 6:1
6:1
4:1
2:1
6:1
Exist. Ground
Exist. Ground

* 15 ft With Guardrail

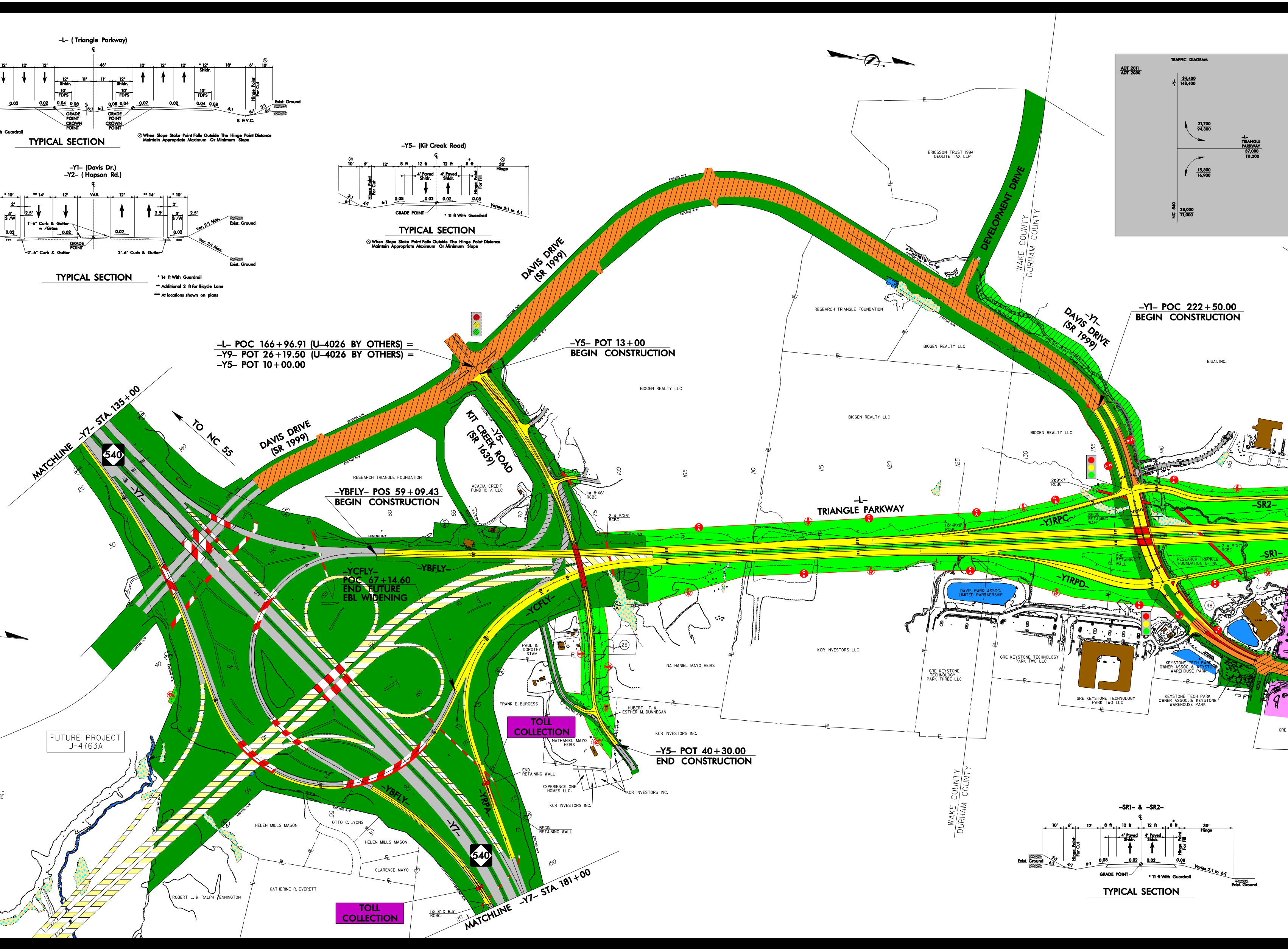
TYPICAL SECTION

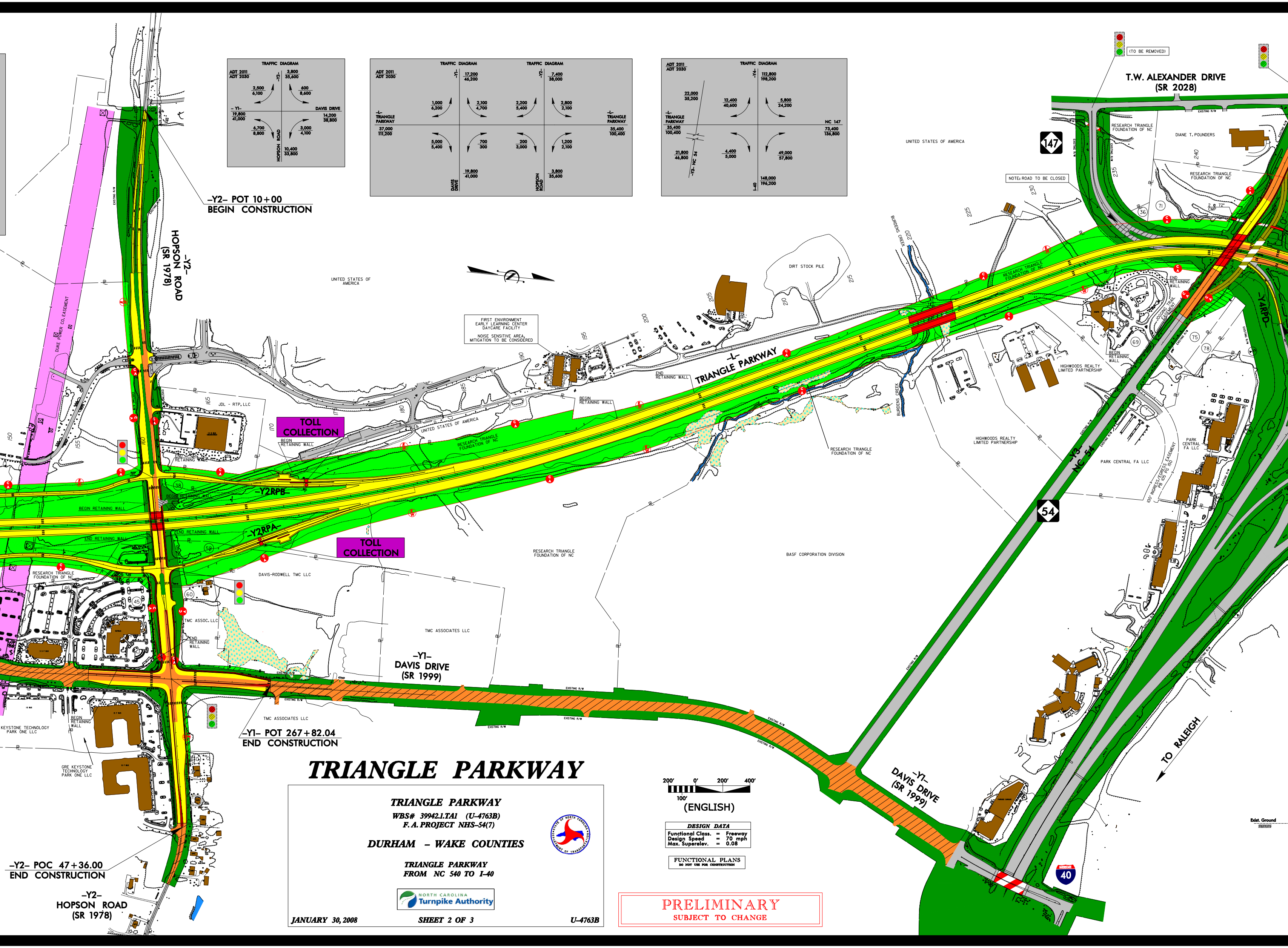
RAMPS


℄
⊗30'
12'
4'
12' Lane
*14'
18'
6'
⊗
10'
Hinge Point For Fill
4' Paved Shldr.
4' Paved Shldr.
Hinge Point For Cut
0.06 MAX. ROLLOVER
0.02
0.02
0.08
0.02
0.02
0.08
GRADE POINT
Varies 2:1 to 6:1
6:1
4:1
2:1
6:1
Exist. Ground
Exist. Ground

* 17 ft With Guardrail

TYPICAL SECTION


-L- (Triangle Parkway)
12' 12' 12' 46' 12' 12' 12' * 12' Shldr. 18' 6' 10'
12' Shldr. 11' 11' 12' Shldr.
10' FDPS
0.02 0.04 0.08 6:1 3:1
GRADE POINT
CROWN POINT
Hinge Point For Cut
Exist. Ground
8 ft V.C.
h Guardrail
TYPICAL SECTION
⊗ When Slope Stake Point Falls Outside The Hinge Point Distance Maintain Appropriate Maximum Or Minimum Slope
-Y1- (Davis Dr.)
-Y2- (Hopson Rd.)
* 10' ** 14' 12' VAR. 12' ** 14' * 10'
2' 2.5' 5' S /W
1'-6" Curb & Gutter w /Grass
2'-6" Curb & Gutter
GRADE POINT
Var. 2:1 Max.
Exist. Ground
TYPICAL SECTION
* 14 ft With Guardrail
** Additional 2 ft for Bicycle Lane
*** At locations shown on plans
-Y5- (Kit Creek Road)
10' 6' 12' 8 ft 12 ft 12 ft 8 ft 30' Hinge
4' Paved Shldr.
Hinge Point For Cut
Hinge Point For Fill
2:1 6:1 4:1 0.08 0.02
GRADE POINT
* 11 ft With Guardrail
Varies 2:1 to 6:1
TYPICAL SECTION
⊗ When Slope Stake Point Falls Outside The Hinge Point Distance Maintain Appropriate Maximum Or Minimum Slope
TRAFFIC DIAGRAM
ADT 2011 / ADT 2030
-Y- 34,400 / 148,400
21,700 / 94,300
-L- TRIANGLE PARKWAY 37,000 / 111,200
15,300 / 16,900
NC 540 28,000 / 71,000
ERICSSON TRUST 1994 DEOLITE TAX LLP
DEVELOPMENT DRIVE
WAKE COUNTY
DURHAM COUNTY
DAVIS DRIVE (SR 1999)
-Y1- DAVIS DRIVE (SR 1999)
-Y1- POC 222+50.00
BEGIN CONSTRUCTION
EISAI, INC.
RESEARCH TRIANGLE FOUNDATION
BIOGEN REALTY LLC
-L- POC 166+96.91 (U-4026 BY OTHERS) =
-Y9- POT 26+19.50 (U-4026 BY OTHERS) =
-Y5- POT 10+00.00
-Y5- POT 13+00
BEGIN CONSTRUCTION
MATCHLINE -Y7- STA. 135+00
540
TO NC 55
-Y7-
-Y5- KIT CREEK ROAD (SR 1639)
ACACIA CREDIT FUND IO A LLC
-YBFLY- POS 59+09.43
BEGIN CONSTRUCTION
-YBFLY-
-YCFLY-
POC 67+14.60
END FUTURE EBL WIDENING
1@ 8'X6' RCBC
2 @ 5'X5' RCBC
EXISTING R/W
-L- TRIANGLE PARKWAY
2@9'x7' RCBC
1@ 9'X8' RCBC
2 @ 9'X7' RCBC
BEGIN RETAINING WALL
END RETAINING WALL
-Y1RPC-
-Y1RPD-
-SR1-
-SR2-
RESEARCH TRIANGLE FOUNDATION OF NC
DAVIS PARK ASSOC. LIMITED PARTNERSHIP
GRE KEYSTONE TECHNOLOGY PARK THREE LLC
GRE KEYSTONE TECHNOLOGY PARK TWO LLC
KEYSTONE TECH PARK OWNER ASSOC. & KEYSTONE WAREHOUSE PARK
GRE
47
48
54
KCR INVESTORS LLC
NATHANIEL MAYO HEIRS
PAUL & DOROTHY STAM
FRANK E. BURGESS
HUBERT T. & ESTHER M. DUNNEGAN
KCR INVESTORS INC.
25
TOLL COLLECTION
-Y5- POT 40+30.00
END CONSTRUCTION
EXPERIENCE ONE HOMES LLC.
-YRPA-
FUTURE PROJECT U-4763A
HELEN MILLS MASON
OTTO C. LYONS
CLARENCE MAYO
KATHERINE R. EVERETT
ROBERT L. & RALPH PENNINGTON
1@ 8' X 6.5' RCBC
MATCHLINE -Y7- STA. 181+00
-SR1- & -SR2-
10' 6' 12' 8 ft 12 ft 12 ft 8 ft 30' Hinge
4' Paved Shldr.
Hinge Point For Cut
Hinge Point For Fill
Exist. Ground
GRADE POINT
* 11 ft With Guardrail
Varies 2:1 to 6:1
TYPICAL SECTION


TRAFFIC DIAGRAM
ADT 2011 / ADT 2030
-Y2-
3,800 / 35,600
2,500 / 6,100
600 / 8,600
- Y1-
19,800 / 41,000
DAVIS DRIVE
14,200 / 38,800
6,700 / 8,800
3,000 / 4,100
HOPSON ROAD
10,400 / 33,800
TRAFFIC DIAGRAM
ADT 2011 / ADT 2030
-Y1-
17,200 / 46,200
1,000 / 6,200
2,100 / 4,700
-L- TRIANGLE PARKWAY
37,000 / 111,200
5,000 / 5,400
700 / 300
DAVIS DRIVE
19,800 / 41,000
TRAFFIC DIAGRAM
-Y2-
7,400 / 38,000
2,200 / 5,400
2,800 / 2,100
-L- TRIANGLE PARKWAY
35,400 / 100,400
200 / 3,000
1,200 / 2,100
HOPSON ROAD
3,800 / 35,600
TRAFFIC DIAGRAM
ADT 2011 / ADT 2030
-Y4-
112,800 / 198,200
22,000 / 35,200
12,400 / 40,600
5,800 / 24,200
-L- TRIANGLE PARKWAY
35,400 / 100,400
NC 147
73,400 / 136,800
21,800 / 46,800
4,400 / 5,000
49,000 / 57,800
-Y3- NC 54
I-40
148,000 / 196,200
(TO BE REMOVED)
T.W. ALEXANDER DRIVE (SR 2028)
147
RESEARCH TRIANGLE FOUNDATION OF NC
DIANE T. POUNDERS
UNITED STATES OF AMERICA
NOTE: ROAD TO BE CLOSED
2 @ 72" CMP
-Y2- POT 10+00
BEGIN CONSTRUCTION
-Y2- HOPSON ROAD (SR 1978)
DUKE POWER CO. EASEMENT
UNITED STATES OF AMERICA
DIRT STOCK PILE
BURDENS CREEK
FIRST ENVIRONMENT EARLY LEARNING CENTER DAYCARE FACILITY
NOISE SENSITIVE AREA, MITIGATION TO BE CONSIDERED
-L- TRIANGLE PARKWAY
END RETAINING WALL
BEGIN RETAINING WALL
JDL - RTP, LLC
TOLL COLLECTION
UNITED STATES OF AMERICA
RESEARCH TRIANGLE FOUNDATION OF NC
-Y2RPB-
-Y2RPA-
BEGIN RETAINING WALL
END RETAINING WALL
TOLL COLLECTION
DAVIS-RODWELL TMC LLC
RESEARCH TRIANGLE FOUNDATION OF NC
TMC ASSOC. LLC
TMC ASSOCIATES LLC
-Y1- DAVIS DRIVE (SR 1999)
-Y1- POT 267+82.04
END CONSTRUCTION
KEYSTONE TECHNOLOGY PARK ONE LLC
GRE KEYSTONE TECHNOLOGY PARK ONE LLC
-Y2- POC 47+36.00
END CONSTRUCTION
-Y2- HOPSON ROAD (SR 1978)
HIGHWOODS REALTY LIMITED PARTNERSHIP
JOGGING TRAIL EASEMENT
BASF CORPORATION DIVISION
PARK CENTRAL FA LLC
-Y3- NC 54
54
-Y4RPD-
-Y1- DAVIS DRIVE (SR 1999)
TO RALEIGH
40
EXISTING R/W

TRIANGLE PARKWAY

TRIANGLE PARKWAY
WBS# 39942.1.TA1 (U-4763B)
F. A. PROJECT NHS-54(7)

DURHAM - WAKE COUNTIES

TRIANGLE PARKWAY
FROM NC 540 TO I-40

NORTH CAROLINA
Turnpike Authority

JANUARY 30, 2008 ***SHEET 2 OF 3*** ***U-4763B***

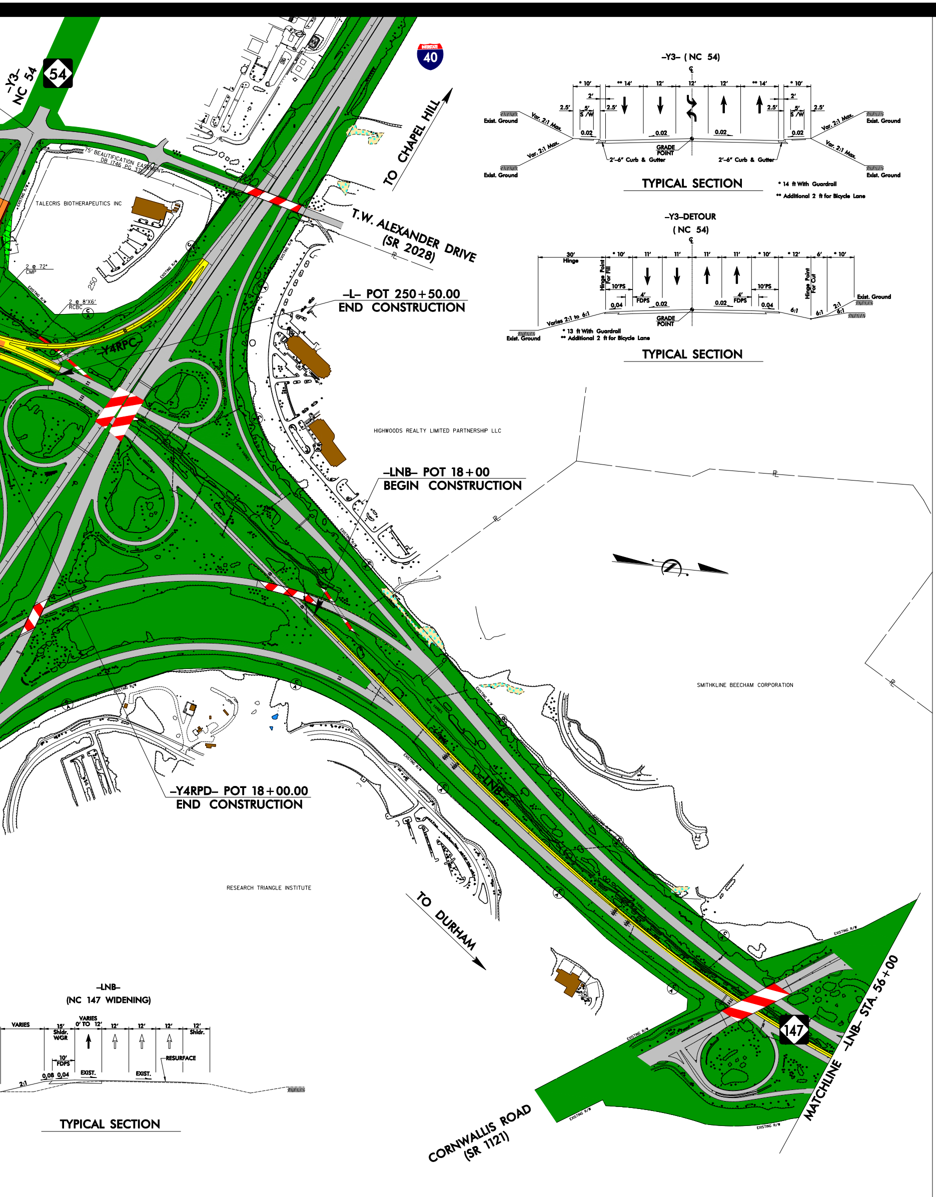
200' 0' 200' 400'
100'
(ENGLISH)

DESIGN DATA

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

FUNCTIONAL PLANS
DO NOT USE FOR CONSTRUCTION

PRELIMINARY
SUBJECT TO CHANGE


-Y3- NC 54
54
40
TO CHAPEL HILL
75' BEAUTIFICATION EASEMENT DB 1746 PG. 37
TALECRIS BIOTHERAPEUTICS INC
2 @ 72" CMP
2 @ 8'X6' RCBC
250
T.W. ALEXANDER DRIVE (SR 2028)
-L- POT 250+50.00
END CONSTRUCTION
-Y4RPC-
HIGHWOODS REALTY LIMITED PARTNERSHIP LLC
-LNB- POT 18+00
BEGIN CONSTRUCTION
SMITHKLINE BEECHAM CORPORATION
-Y4RPD- POT 18+00.00
END CONSTRUCTION
RESEARCH TRIANGLE INSTITUTE
TO DURHAM
-LNB-
CORNWALLIS ROAD (SR 1121)
147
MATCHLINE -LNB- STA. 56+00
EXISTING R/W
-Y3- (NC 54)
TYPICAL SECTION
* 14 ft With Guardrail
** Additional 2 ft for Bicycle Lane
Exist. Ground
Var. 2:1 Max.
2'-6" Curb & Gutter
GRADE POINT
-Y3-DETOUR (NC 54)
TYPICAL SECTION
* 13 ft With Guardrail
** Additional 2 ft for Bicycle Lane
Hinge Point For Fill
Hinge Point For Cut
Varies 2:1 to 6:1
-LNB- (NC 147 WIDENING)
TYPICAL SECTION
RESURFACE
EXIST.

LEGEND

🟫	BUILDINGS
🟩	EXISTING RIGHT OF WAY
🟩	PROPOSED RIGHT OF WAY
▨	ALL EASEMENTS
⬜	EXISTING ROADWAY
▨	EXISTING ROADWAY TO BE REMOVED
🟧	EXISTING ROADWAY TO BE RESURFACED
▨	ROADWAY UNDER CONSTRUCTION
🟨	PROPOSED ROADWAY
▬	TEMPORARY ROADWAY / DETOURS
▨	TEMPORARY STRUCTURE
▨	FUTURE ROADWAY
🟥	PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
▨	EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED
▨	EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE REMOVED
▭	FUTURE STRUCTURES, ISLAND, CURB AND GUTTER
🟦	LAKES, RIVER, STREAMS AND PONDS
🟪	RAILROAD RIGHT OF WAY
🟪	UTILITY EASEMENT
▨	CEMETERIES
▨	WETLANDS
⬛	PROPOSED WALKING TRAIL
▨	EXISTING WALKING TRAIL TO BE REMOVED
●	PROPOSED CONTROL OF ACCESS
●	PROPOSED PARTIAL CONTROL OF ACCESS
○	EXISTING CONTROL OF ACCESS
2011 2030	OPENING YEAR AVERAGE DAILY TRAFFIC FUTURE YEAR AVERAGE DAILY TRAFFIC
—PL—	PROPERTY LINES
▨	NOISE WALL
🚦	EXISTING TRAFFIC SIGNAL
🚦	PROPOSED TRAFFIC SIGNAL
-C---F-	SLOPE STAKE LIMITS
------------	HISTORIC PROPERTY
—WLB—	WETLAND LIMITS BOUNDARY
—BZ—	STREAM BUFFER ZONE
■	TOLL CASH LANE–TO BE REMOVED BY 2030
●	ELECTRONIC TOLL COLLECTION LANE

PROPERTY OWNERS

㉕	ARTHUR RAY BALLENTINE
㊱	RESEARCH TRIANGLE FOUNDATION OF NC
㊳	RESEARCH TRIANGLE FOUNDATION OF NC
㊺	KEYSTONE OFFICE LLC
㊻	KEYSTONE OFFICE LLC
㊼	KEYSTONE OFFICE LLC
㊽	DAVIS DRIVE ASSOC, LLC
㊿	DAVIS PARK ASSOC. LIMITED PARTNERSHIP
(54)	CARY ENGINEERING DEPT.
(59)	TMC ASSOCIATES LLC
(60)	RODNEY COE, ET UX
(69)	SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY INC.
(70)	ROBERT H. MALLETT, ET UX
(71)	RESEARCH TRIANGLE FOUNDATION OF NC
(75)	TRIANGLE SERVICE CENTER, INC.
(78)	TRIANGLE SERVICE CENTER, INC.

200' 0' 200' 400'
100'
(ENGLISH)

DESIGN DATA

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

FUNCTIONAL PLANS
DO NOT USE FOR CONSTRUCTION

TRIANGLE PARKWAY

TRIANGLE PARKWAY
WBS# 39942.1.TA1 (U-4763B)
F. A. PROJECT NHS-54(7)

DURHAM – WAKE COUNTIES

TRIANGLE PARKWAY
FROM NC 540 TO I-40

NORTH CAROLINA Turnpike Authority

JANUARY 30, 2008
SHEET 2 OF 3
U-4763B

PRELIMINARY
SUBJECT TO CHANGE