Basis for Engineering Design

DEIS Appendix – L
Volume 2 of 3

Durham-Orange Light Rail Transit Project

February 2015
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**VOLUME 2**

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**Our Transit Future**

Prepared in the Offices of URS

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State of North Carolina, Corporation License No. 618200

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ALONG U.S. ROUTE 15-501 – NEW HOPE CREEK 1 ALTERNATIVE

LEGEND

BRIDGE PIERS
AT-GRADE TRK
ELEVATED TRK
WETLANDS
STATION

GRAPHIC SCALES

PLAN

PROFILE (HORIZONTAL)

PROFILE (VERTICAL)

CONCEPT PLANS ONLY
DO NOT USE FOR CONSTRUCTION
ENCOMPLES PLANS
DO NOT USE FOR CONSTRUCTION

PLAN AND PROFILE

SEGMENT D

OURTRANSIT FUTURE

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TOP OF RAIL
EXISTING GROUND

20 0 20 40

P = 56 2938
EL = 344.2
V = 55 MPH

P = 57 360
EL = 265.45
VC = 440'

TOP OF RAIL

250 270 290 310

10 0 10 20

STATION

300 320 340

V = 55 MPH

100 0 100 200

100 0 100 200

20 0 20 40

GRAPHIC SCALES

PLAN

PROFILE (HORIZONTAL)

PROFILE (VERTICAL)
SHANNON PLAZA – NEW HOPE CREEK 1 ALTERNATIVE

PLAN AND PROFILE

SEGMENT D

CONCEPT PLANS ONLY

INCOMPLETE PLANS

DO NOT USE FOR CONSTRUCTION

DO NOT USE FOR R/W ACQUISITION

INCOMPLETE PLANS

CONCEPT PLANS ONLY

GRAPHIC SCALES

100 0 100 200

100 0 100 200

20 10 20 60

PROFILE (VERTICAL)

PROFILE (HORIZONTAL)

LEGEND

BRIDGE PIERS

AT-GRADE TRK

ELEVATED TRK

WETLANDS

STATION

TOP OF RAIL

EXISTING GROUND

TOTAL ELEMENT

GRAPHIC SCALES

100 0 100 200

100 0 100 200

20 10 20 60

PROFILE (VERTICAL)

PROFILE (HORIZONTAL)

LEGEND

BRIDGE PIERS

AT-GRADE TRK

ELEVATED TRK

WETLANDS

STATION
SEGMENT E – ERWIN ROAD

PLAN AND PROFILE SHEETS
SEGMENT E – TRENT/FLOWERS DRIVE ALTERNATIVE

PLAN AND PROFILE SHEETS
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PLAN AND PROFILE SHEETS