Utility Impact Report R-2721, R-2828, R-2829

Triangle Expressway Southeast Extension

From NC 55 near Holly Springs to US 64 west of Raleigh

Wake County, North Carolina

Prepared for:



Prepared by:



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November 19, 2014

EXECUTIVE SUMMARY

It is the intent of this report to furnish all relevant information concerning the general location, dimension and characteristics of major utilities found within the Triangle Expressway Southeast Extension ("Project").

Forty two (42) segments among twelve (12) corridors identified by color were investigated.

CORRIDORS:

- 1. Orange ("O") O1, O2, O3, O3 & O4
- 2. Green ("G") G1, G2, G3, G4, G5, G6, G7
- 3. Brown (B") B1, B2 & B3
- 4. Mint ("M") M1 & M2
- 5. Tan ("T") T1
- 6. Teal ("TL")- TL1

- 7. Lilac ("L") O3L, OxL, L2, L3, L4, L5, L6, G2L & B1L
- 8. Plum ("P") P1 & P2 (No longer considered)
- 9. Red ("R") R1, R2, R3, R4, R5, R6, & R7
- 10. Red Mod ("RM") RM1 (No longer considered)
- 11. Blue ("BL") BL1, BL2, BL3, BLxL & L2BL
- 12. Purple ("PU") O1PU, PU1 & PU2

This investigation and report captures by corridor and segment individual utility and some non-utility conflicts where the relocation cost to the NCTA is anticipated to exceed \$250K. Information was gathered utilizing on site investigation as well as data from previous investigations in the immediate area.

Utility conflicts exist throughout the Project. The more expensive relocations are where the Project conflicts with existing gas and/or electric transmission facilities. Below is a brief outline of utility and non-utility type facilities that exist within the Project limits.

1. Power:

a. Duke Energy

2. Telecommunications:

- a. AT&T (formerly BellSouth)
- b. AT&T (Long Distance)

3. Gas Transmission:

- a. Cardinal Pipeline Company (subsidiary of Williams Pipeline Company)
- b. Colonial Pipeline Company

4. Non-Utility Facilities

- a. TV Towers
- b. Cell Towers
- c. FAA Antenna
- d. Warning Siren

This report identifies the anticipated utility relocation cost in 2014 dollars for each of the seventeen (17) end to end corridors consisting of various combinations colored corridors and segments. A summary of the utility and non-utility cost is represented in the following table.

The Impact Assessment outlines in further detail the cost to for utility relocation to the NCTA from utilities with compensable rights by corridor and segment.

EXECUTIVE SUMMARY

END to END CORRIDORS:

END	to END CORRID	ORS:	
1	ORANGE-GREEN		
Segments		G2 G3 G4 G5 G6	G7
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
	\$1,550,000	\$50,510,115	\$52,060,115
2	ORANGE-GREEN-MINT-GREEN O1	C2 C2 M4 M2 C6	07
Segments	O1 O2 O3 O4 G1 Non-Utility Cost	G2 G3 M1 M2 G6 Utility Cost	Total End to End Cost
Cost	\$1,550,000	\$50,510,415	\$52,060,415
3	ORANGE-BROWN-TAN-GREEN	ψ50,510,415	Ψ32,000,413
Segments		B1 T1 G6 G7	
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
0031	\$1,050,000	\$50,928,327	\$51,978,327
4	ORANGE-BROWN-GREEN		
Segments		B1 B2 B3 G6 G7	
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
5	\$11,800,000 ORANGE-GREEN-TEAL-BROWN-	\$50,793,327	\$62,593,327
Segments		G2 TL1 B3 G6 G7	
	Non-Utility Cost	Utility Cost	Total End to End Cost
Cost	\$11,800,000	\$50,404,515	\$62,204,515
6	ORANGE-RED-GREEN		
Segments	O1 R1 R2 R3 R4	R5 R6 G5 G6 G7	
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
	\$2,550,000	\$16,516,100	\$19,066,100
7	ORANGE-RED-MINT-GREEN	DE DZ MO CO CO	
Segments	O1 R1 R2 R3 R4 Non-Utility Cost	R5 R7 M2 G6 G7 Utility Cost	Total End to End Cost
Cost	\$2,550,000	\$16,516,400	\$19,066,400
8	ORANGE-PURPLE-BLUE-LILAC-		ψ10,000, 1 00
	O1PU PU1 PU2 BL1 BL2		L5 G2L G3 G4 G5 G6 G7
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
Cost	\$22,550,000	\$8,003,641	\$30,553,641
9	ORANGE-PURPLE-BLUE-LILAC-		
Segments	O1PU PU1 PU2 BL1 BL2		L5 G2L G3 M1 M2 G6 G7
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
10	\$22,550,000 ORANGE-PURPLE-BLUE-LILAC-I	\$8,003,941	\$30,553,941
	O1PU PU1 PU2 BL1 BL2	BL3 BLXL L2BL L3 L4	L6 B1L T1 G6 G7
	Non-Utility Cost	Utility Cost	Total End to End Cost
Cost	\$22,050,000	\$8,421,853	\$30,471,853
11	ORANGE-PURPLE-BLUE-LILAC-	BROWN-GREEN	
Segments	O1PU PU1 PU2 BL1 BL2	BL3 BLxL L2BL L3 L4	L6 B1L B2 B3 G6 G7
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
40	\$32,800,000	\$8,286,853	\$41,086,853
12 Segments	ORANGE-PURPLE-BLUE-LILAC-OTPU PUT PUZ BL1 BL2	BL3 BLXL L2BL L3 L4	L5 G2L TL1 B3 G6 G7
	Non-Utility Cost	Utility Cost	Total End to End Cost
Cost	\$32,800,000	\$7,898,041	\$40,698,041
13	ORANGE-LILAC-GREEN	. , ,	
Segments	O1 O2 O3L OxL L2	L3 L4 L5 G2L G3	G4 G5 G6 G7
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
	\$21,550,000	\$52,617,526	\$74,167,526
14	ORANGE-LILAC-GREEN-MINT-GI		N/ N/ 02 07
Segments		L3 L4 L5 G2L G3 Utility Cost	M1 M2 G6 G7
Cost	Non-Utility Cost \$21,550,000	\$52,617,826	Total End to End Cost \$74,167,826
15	ORANGE-LILAC-BROWN-TAN-GI		ψ14, 101,020
Segments		L3 L4 L6 B1L T1	G6 G7
	Non-Utility Cost	Utility Cost	Total End to End Cost
Cost	\$21,050,000	\$53,035,738	\$74,085,738
16	ORANGE-LILAC-BROWN-GREEN		
Segments		L3 L4 L6 B1L B2	B3 G6 G7
Cost	Non-Utility Cost	Utility Cost	Total End to End Cost
	\$31,800,000	\$52,900,738	\$84,700,738
17 Segments	ORANGE-LILAC-GREEN-TEAL-BI	L3 L4 L5 G2L TL1	B3 G6 G7
	Non-Utility Cost	Utility Cost	Total End to End Cost
Cost	\$31,800,000	\$52,511,926	\$84,311,926
	1 +31,000,000	Ţ32,011,020	ψ0-1,011,020

PROJECT DESCRIPTION and OBJECTIVES

Description:

This project is designated as three projects in the North Carolina Department of Transportation's (NCDOT) State Transportation Improvement Program (STIP) - Projects R-2721, R-2828, and R-2829. The STIP describes the projects as a freeway facility on new location. These projects combine to form the southern and eastern portions of the Outer Loop around Raleigh and surrounding communities in Wake and Johnston Counties. The project extends from NC 55 at SR 1172 (Old Smithfield Road) near Apex to US 64/US 264 Bypass south of US 64 and east of Raleigh, a distance of 27.3 miles. In August 1996 and March 1997, the North Carolina Board of Transportation adopted Transportation Corridor Official Maps (Official Maps) for the portion of the project between NC 55 to I-40. This program allows the reservation of roadway corridors as provided by North Carolina General Statutes 136-44.5 through 136-44.54.

The project study area is located in the southern portion of the greater Raleigh metropolitan area in Wake and Johnston Counties south of the cities and towns of Apex, Cary, Raleigh, and Garner and north of Fuquay-Varina and Holly Springs. This Task Order, involves the study of 42 corridor segments that in various combinations make up seventeen (17) Detailed Study Alternatives (DSA).

Objectives:

The project team will prepare a utility relocation plan, for NCTA approval, that will include sufficient detail to develop the utility relocation cost estimate for inclusion in the Draft Environmental Impact Statement. In preparing the utility relocation plan, the project team will be responsible for identifying all necessary utility relocations, coordinating with utility owners on the utility relocations, and determining the cost responsibility for the utility relocations.

The scope of work is outlined on next page:

Utility Coordination:

SUBTASK B1& E1: IDENTIFY EXISTING UTILITIES

Using functional designs for the project DSAs, the project team will obtain existing utility information available for the project from NCTA and publicly available utility information not already available from NCTA. The project team will also survey the project study area to confirm data received from NCTA and the utility companies and will submit to NCTA a listing of utility owners within the project corridor. The project team will identify existing utilities within the project corridor from mapping provided by NCTA and information gathered during the field survey.

SUBTASK B2 & E2: PRELIMINARY UTILITY IDENTIFICATION REPORT

The project team will prepare a preliminary utility identification report for use in preparing the Draft EIS for the project. This report will evaluate and document the utility impacts (including wet and dry utilities) and will contain a utility impact and relocation cost estimate associated with each of the DSAs on an equal and consistent basis. The cost estimates will reflect whether prior rights exist for the utility to the extent that this information is readily available for this preliminary report. The report will also contain a listing of each utility owner identified, along with a contact person for that utility.

Utility Contact List

Type of Utility	Company Name	Address	Contact Person	Phone
Electric	Duke Energy (Transmission)	100 East Davie Street Raleigh, NC 27601	James Loy Sr. Eng.Tech Support Specialist jamie.loy@pgnmail.com	919-546-6034
Electric	Duke Energy (Distribution)	1020 W. Chatham St. Cary, NC 27511	Ms. Sheila Talton Senior Utility Coordinator sheila.talton@pgnmail.com	919-481-6126
	AT&T (Long Distance)	5390 Overbend Trail Suwannee, GA 30024	Scott Logeman slogeman@att.com	770-335-8255
		239 Cleveland Street, Suite A-1, Blairsville, GA 30514	Danny Hemphill dan33@winstream.net	706-745-3105
	AT&T (old BellSouth)	5715 Glenwood Ave. Raleigh, NC 27612	Kelly J Malpass Manager Planning & Engineering Design km4631@att.com	919-785-7771
Tologommunications	S Century Link	206 West Cumberland Street Dunn, NC 28334	Wayne Hall Manager - Engineering Ernest.W.Hall@Embarq.com	910-980-2229
Telecommunications			James D Johnson Network Engineer II james.d.johnson@embarq.com	910 980-2222
	Level 3	1 Turner Street Raleigh, NC 27607	Mike Weaver Outside Plant Engineer mike.weaver@level3.com	919-341-2202
		1025 Eldorado Blvd. Broomfield, CO 80021	Keith Osborn keith.osborn@level3.com	720-888-2774
	MCI / Verizon Business	4200 Atlantic Ave., Ste 116 Raleigh, NC 27604	Eric Crane OSP Sr. Engineer eric.crane@verizonbusiness.com	919-326-5604

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Utility Contact List

Type of Utility	Company Name	Address	Contact Person	Phone
	Time Warner Communications	1100 Perimeter Park Drive Suite 118 Morrisville, NC 27560	Roland Bruyere roland.bruyere@twcable.com	919-362-8327
Cable Television			Larry Thorne Locate Supervisor larry.thorne@twcable.com	919 573-7230
	' '	1345 Greenbrier Dr Charlottesville, VA 22901	David S Dickerson Division Engineer David.S.Dickerson@Williams.com	434 964-2122
Gas			Ashley Greiwe ashley.greiwe@williams.com	434-964-2125
	Colonial Pipeline Company	411 Gallimore Dairy Road Greensboro, NC 27409	Tom West twest@colpipe.com	336-931-6039 or 336 669 7996
	Town of Apex ater	P. O. Box 250 Apex, NC 27502	Tim Donnelly Public Works Director tim.donnelly@apexnc.org	919-249-3427
Sewer & Water			Steve Miller Public Works Project Coordinator steve.miller@apexnc.org	919 362-8166
	Town of Holly Springs	128 South Main Street Holly Springs, NC 27540	Luncie McNeil Public Works Director luncie.mcneil@Hollyspringsnc.us	919-552-5920

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Utility Contact List

Type of Utility	Company Name	Address	Contact Person	Phone
Communication	American Tower Corporation	496 Long Point Rd. Mount Pleasant, SC 29464	Mike Flint Area VP Mike.Flint@AmericanTower.com	843 971-8385
Tower		900 Circle 75 Parkway, Suite 300 Atlanta, GA 30339	Jeffery Singleton Project Manager Jeffery.Singleton@AmericanTower.com	770 308-1960
SBA Towers	SBA Communications Corp.	5900 Broken Sound Parkway NW Boca Raton, Florida 33487	Elaine Tarkington etarkington@sbasite.com	919-868-0426
Crown Castle	Crown Castle Inc.		Ashley Child Account Executive	704-405-6625
Clown Castle			Tony Queen Manager of East Carolina District	919-465-3508
TV Tower				
FAA Tower				
Nuclear Siren	Progress Energy	1020 W. Chatham St. Cary, NC 27511	Ms. Sheila Talton Senior Utility Coordinator sheila.talton@pgnmail.com	919-481-6126

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The following outlines at a high level the impact utilities may have with regard to the successful design and construction of the Triangle Expressway Southeast Extension ("Project"). This version of the assessment highlights utility and some non-utility conflicts with relocation cost of greater than \$250K or significant impact to project schedule.

The NCTA has requested Hinde Engineering, Inc. ("Hinde") to perform a preliminary utility assessment for multiple corridors of the Project. Each corridor is identified by color and may have multiple segments.

Included in this report are the following corridors and segments:

- 1. Orange corridor
 - 1.1. Segment O1
 - 1.2. Segment O2
 - 1.3. Segment O3
 - 1.4. Segment O4
- 2. Green corridor
 - 2.1. Segment G1
 - 2.2. Segment G2
 - 2.3. Segment G3
 - 2.4. Segment G4
 - 2.5. Segment G5
 - 2.6. Segment G6
 - 2.7. Segment G7
- 3. Brown corridor
 - 3.1. Segment B1
 - 3.2. Segment B2
 - 3.3. Segment B3
- 4. Mint corridor
 - 4.1. Segment M1
 - 4.2. Segment M2
- 5. Tan corridor
 - 5.1. Segment T1
- 6. Teal corridor
 - 6.1. Segment TL1
- 7. Lilac corridor
 - 7.1. Segment O3L
 - 7.2. Segment OxL
 - 7.3. Segment L2
 - 7.4. Segment L3
 - 7.5. Segment L4
 - 7.6. Segment L5
 - 7.7. Segment L6
 - 7.8. Segment G2L
 - 7.9. Segment B1L

- 8. Plum corridor No longer being considered
- 9. Red corridor
 - 9.1. Segment R1
 - 9.2. Segment R2
 - 9.3. Segment R3
 - 9.4. Segment R4
 - 9.5. Segment R5
 - 9.6. Segment R6&7
- 10. Red Modified corridor No longer being considered
- 11. Blue corridor
 - 11.1. Segment BL1
 - 11.2. Segment BL2
 - 11.3. Segment BL3
 - 11.4. Segment BLxL
 - 11.5. Segment L2BL
- 12. Purple corridor
 - 12.1. Segment O1PU
 - 12.2. Segment PU1
 - 12.3. Segment PU2

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A total of seventeen End to End Corridors are addressed consisting of multiple combinations of the ten (10) colored corridors and segments in the pages that follow. In all cases, only conflicts where the relocation cost to the NCTA is anticipated to be greater than \$250K are documented. In some cases a **conceptual** relocation design is illustrated showing what the impacted utility **may consider** to reintegrate its system to eliminate conflicts within the proposed NCDOT right-of-way. Cost and conceptual design are based on the information derived from previous projects, site visits and discussions with utility representatives. All conflicts are summarized by corridor and segment in the "Utility Impact Assessment Matrix".

The most costly relocations for highway projects are related to transmission facilities owned by both electric and gas companies. These companies will have prior rights and each will seek compensation for relocation and/or modification to its facilities. Facilities such as Radio/TV Towers, Cell Towers, Warning Sirens, FAA Antennas and Wastewater Treatment ponds and/or spray fields were also documented during this investigation. Cost related to relocate these facilities will likely be addressed in the real estate settlement rather that a Utility Relocation Agreement.

In addition to the cost to relocate and / or modify these types of facilities, they are also the most time consuming. In many cases transmission facilities may take as long as one year or longer to clear the Project given the need to purchase new right-of-way, order special materials as well as possible moratoriums, both regulatory and seasonal.

Based on the information gathered thus far the NCTA may want to consider some of the following suggestions to help reduce the impact of utility conflicts and consequentially costs related to relocations and / or modifications.

- At any location where the Project crosses an aerial transmission line, the design team should try to avoid having to excavate (cut or fill) within thirty (30) feet of an existing structure
- Consider realignment of roadway to avoid existing towers, especially "corner" towers.
- Minimize reduction in vertical clearance when crossing transmission line between towers (mid span).
- Minimize fill over gas transmission lines
- Avoid cuts at gas transmission lines

1 Orange Corridor

1.1 Segment - 01 (21+45.00 to 386+31.44)

Protected Corridor from Beginning of Project to a point where the Red Corridor ties.

1.1.1 Existing Facilities

(Highlighted on COR-O_RDY_ROLL1_UC)

- Colonial Pipeline Company has a single petroleum line in conflict with proposed expressway at the intersection of Sunset Lake Road (SR-1301) (Highlighted on COR-O_RDY_ROLL2_UC)
- AT&T has a Remote Terminal Site in conflict with the proposed improvements to Holly Springs Road (SR-1152) just across from Fairview Street
- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway at the intersection of Pierce Olive Road (SR-1389)
- Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway at the intersection of West Lake Road (SR-1387)
- Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with proposed improvements to Bells Lake Road (SR-1386) just to the south of proposed expressway

1.1.2 Future Facilities

There are no future transmission facilities planned at this time

1.1.3 Prior Rights

Colonial Pipeline Company – deeded R/W AT&T – owner of property Duke/Progress Energy – deeded R/W

1.1.4 Estimate Cost to NCTA for Relocation

• Colonial Pipeline Company

0	Sunset Lake Road (SR-1301)	\$2.769M
	■ Install 2,769 feet of new pipeline x 1 line	
	at \$1K per foot per line	
0	West Lake Road	\$6.144M
	■ Install 2,048 feet of new pipeline x 3 lines	
	at \$1K per foot per line	
0	Bells Lake Road	\$1.071M
	 Install 357 feet of new pipeline x 3 lines 	

Install 357 feet of new pipeline x 3 lines at \$1K per foot per line

- Duke/Progress Energy
 - o Pierce Olive Rd.

\$879.3K

- Install 2,931 feet of new transmission line x 1 line at \$300.00 per foot per line
- AT&T

o Holly Springs Rd.

\$400K

1.1.5 Estimated Time to Relocate

• Colonial Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

• Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

AT&T

Acquisition of new site
 Construction/Cutover/Removal
 6-12 months
 12-18 months

1.1.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

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1.1.7 Non-Utility Conflicts Observed During Investigation

- Warning Siren Nuclear Plant
 - o Existing Facility

(Highlighted on COR-O_RDY_ROLL2_UC)

- Duke/Progress Energy has a warning siren for a nearby nuclear plant located on Kildare Road just to the northwest of Holly Springs Road.
- o Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$50K
- o Estimated Time to Relocate
 - Acquisition of new site
 - 6-12 months
 - Permitting/Construction/Cutover/Removal
 - 12-18 months
- o Restrictions and / or Moratoriums
 - Duke/Progress Energy may have to obtain permits from various regulatory agencies prior to relocating this facility.

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1.2 Segment - 02 (386+31.44 to 484+00.00)

Protected Corridor from 01 to 03/02L-US 401 (Builds only the Portion of US 401 needed to complete R-2721)

1.2.1 Existing Facilities

(Highlighted on COR-O_RDY_ROLL3_UC)

Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway from Lake Wheeler Road (SR-1371) eastward to US 401. This conflict continues east to Old McCullers Road (SR-2722) in segment O3.

1.2.2 Future Facilities

There are no future transmission facilities planned at this time

1.2.3 Prior Rights

Colonial Pipeline Company – deeded R/W

1.2.4 Estimate Cost to NCTA for Relocation

- Colonial Pipeline Company
 - o Lake Wheeler to US-401

\$9.576M

■ Install 3,193 feet of new pipeline x 3 lines at \$1K per foot per line

1.2.5 Estimated Time to Relocate

- Colonial Pipeline Company
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

1.2.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months

1.2.7 Non-Utility Conflicts Observed During Investigation

1.3 Segment - 03 (484+00.00 to 877+65.00)

Protected Corridor from O2- US 401 (Builds the Remaining Portion of US 401 Interchange) to a point where the I-40 Interchange starts.

1.3.1 Existing Facilities

(Highlighted on COR-O_RDY_ROLL3_UC)

• Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway from US 401 east to just east of Old McCullers Road (SR-2722).

(Highlighted on COR-O RDY ROLL4 UC)

- Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway from west of Fanny Brown Road (SR-2723) to approximately 1,000 feet west of Holland Church Road (SR-2725)
- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway at the intersection of Holland Church Road (SR-2725)
- Cardinal Pipeline Company has a gas line adjacent to Duke/Progress Energy transmission R/W in conflict with the proposed expressway at the intersection of Holland Church Road (SR-2725)

(Highlighted on COR-O_RDY_ROLL6_UC)

- Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway just east of NC-50
- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway just east of NC-50.

1.3.2 Future Facilities

There are no future transmission facilities planned at this time

1.3.3 Prior Rights

Colonial Pipeline Company – deeded R/W Cardinal Pipeline Company – deeded R/W Duke/Progress Energy – deeded R/W

1.3.4 Estimate Cost to NCTA for Relocation

• Colonial Pipeline Company

o US-401 to McCullers \$4.359M

 Install 1,453 feet of new pipeline x 3 lines at \$1K per foot per line

Fanny Brown to Holland Church \$19.887M

 Install 6,629 feet of new pipeline x 3 lines at \$1K per foot per line

o East of NC-50 \$3.408M

 Install 1,136 feet of new pipeline x 3 lines at \$1K per foot per line

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• Cardinal Pipeline Company

o Holland Church Rd. \$801.515K

 Install 0.4 miles (2,116 feet) of new pipeline x 1 line at \$2.0M per mile per line

• Duke/Progress Energy

o Holland Church Road \$634.5K

 Install 2,115 feet of new transmission line at \$300 per foot per line

o East of NC-50 \$364.2K

 Install 1,214 feet of new transmission lines at \$300 per foot per line

1.3.5 Estimated Time to Relocate

• Colonial Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

• Cardinal Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

• Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

1.3.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

1.3.7 Non-Utility Conflicts Observed During Investigation

1.4 Segment - 04 (877+65.00 to 952+00.00)

Protected Corridor from O3 to I-40 Interchange (Only builds a portion of I-40 Interchange needed to complete R-2828)

1.4.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

1.4.2 Future Facilities

There are no future transmission facilities planned at this time

1.4.3 Prior Rights

N/A

1.4.4 Estimate Cost to NCTA for Relocation

N/A

1.4.5 Estimated Time to Relocate

N/A

1.4.6 Restrictions and/or Moratoriums

N/A

1.4.7 Non-Utility Conflicts Observed During Investigation

None

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2 Green Corridor

2.1 Segment - G1 (952+00.00 to 1009+15.00)

Green Corridor from I-40 (Completes Ultimate I-40 Interchange) to a point where the Brown Corridor ties.

2.1.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

2.1.2 Future Facilities

There are no future transmission facilities planned at this time

2.1.3 Prior Rights

N/A

2.1.4 Estimate Cost to NCTA for Relocation

N/A

2.1.5 Estimated Time to Relocate

N/A

2.1.6 Restrictions and/or Moratoriums

N/A

2.1.7 Non-Utility Conflicts Observed During Investigation

2.2 Segment - G2 (1021+00.00 to 1158+00.00)

Green Corridor from B1 tie to a point where Teal ties to Green.

2.2.1 Existing Facilities

(Highlighted on COR-G_RDY_ROLL1_UC)

 Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 3,000 feet south of US-70 (Business)

2.2.2 Future Facilities

There are no future transmission facilities planned at this time

2.2.3 Prior Rights

Duke/Progress Energy – deeded R/W

2.2.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o South of US-70 Business

\$111K

 Adjust span lengths and pole heights to accommodate 370ft.
 crossing of new corridor

2.2.5 Estimated Time to Relocate

- Duke/Progress Energy
 - Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

2.2.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

2.2.7 Non-Utility Conflicts Observed During Investigation

None

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2.3 Segment - G3 (1158+00.00 to 1195+31.00)

Green Corridor from a point where Teal ties to Green to a point where Mint ties to Green.

2.3.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

2.3.2 Future Facilities

There are no future transmission facilities planned at this time

2.3.3 Prior Rights

N/A

2.3.4 Estimate Cost to NCTA for Relocation

N/A

2.3.5 Estimated Time to Relocate

N/A

2.3.6 Restrictions and/or Moratoriums

N/A

2.3.7 Non-Utility Conflicts Observed During Investigation

2.4 Segment - G4 (1195+31.00 to 1238+53.00)

Green Corridor from a point where Mint ties to Green to a point where Red ties to Green.

2.4.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

2.4.2 Future Facilities

There are no future transmission facilities planned at this time

2.4.3 Prior Rights

N/A

2.4.4 Estimate Cost to NCTA for Relocation

N/A

2.4.5 Estimated Time to Relocate

N/A

2.4.6 Restrictions and/or Moratoriums

N/A

2.4.7 Non-Utility Conflicts Observed During Investigation

- FAA Air Traffic Control Antenna
 - Existing Facility

(Highlighted on COR-G RDY ROLL2 UC)

- The FAA has an antenna site for air traffic control near the intersection of Rock Quarry Road and Old Baucom Road that is in conflict with new expressway.
- Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$500K
- Estimated Time to Relocate
 - Acquisition of new site
 - 6-12 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - May have to obtain permits from various regulatory agencies prior to relocating this facility.

2.5 Segment - G5 (1238+53.00 to 1388+00.00)

Green Corridor from a point where Red ties to Green to a point where Mint, Brown, and Tan ties back to Green.

2.5.1 Existing Facilities

(Highlighted on COR-G_RDY_ROLL2_UC)

 Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 1,600 feet north of Battle Bridge Road (SR-2552)

2.5.2 Future Facilities

There are no future transmission facilities planned at this time

2.5.3 Prior Rights

Duke/Progress Energy – deeded R/W

2.5.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - Northeast of Battle Bridge Rd

\$105.6K

 Adjust span lengths and pole heights to accommodate 352ft. crossing of new corridor

2.5.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

2.5.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

2.5.7 Non-Utility Conflicts Observed During Investigation

2.6 Segment - G6 (1388+00.00 to 1439+00.00)

Green Corridor from a point where Mint/Brown/Tan ties back to Green to Poole Rd. (Former Corridor Tie Point).

2.6.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

2.6.2 Future Facilities

There are no future transmission facilities planned at this time

2.6.3 Prior Rights

N/A

2.6.4 Estimate Cost to NCTA for Relocation

N/A

2.6.5 Estimated Time to Relocate

N/A

2.6.6 Restrictions and/or Moratoriums

N/A

2.6.7 Non-Utility Conflicts Observed During Investigation

2.7 Segment - G7 (1439+00.00 to 1529+00.00)

Green Corridor from Poole Rd to Green to end point north of US 64/US264.

2.7.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

2.7.2 Future Facilities

There are no future transmission facilities planned at this time

2.7.3 Prior Rights

N/A

2.7.4 Estimate Cost to NCTA for Relocation

N/A

2.7.5 Estimated Time to Relocate

N/A

2.7.6 Restrictions and/or Moratoriums

N/A

2.7.7 Non-Utility Conflicts Observed During Investigation

- Cell Tower
 - Existing Facility

(Highlighted on COR-G_RDY_ROLL3_UC)

- SBA has a cell tower site just off Pool Road in conflict with new expressway.
- Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$1.0M
- o Estimated Time to Relocate
 - Acquisition of new site
 - 6-12 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Permits and existing contracts with tenants may impact schedules for relocations and / or transfers to new tower site.

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3 Brown Corridor

3.1 Segment - B1 (1021+00.00 to 1206+00.00)

Brown Corridor from a point where Brown ties to Green to a point where Tan ties to Brown.

3.1.1 Existing Facilities

(Highlighted on COR-B_RDY_ROLL3_UC)

- Duke/Progress Energy has a 500KV transmission line on steel lattice structures in conflict with the proposed expressway approximately 3,000 feet east of White Oak Road
- Cardinal Pipeline Company has a gas transmission line in conflict with the propose expressway approximately 3,000 feet east of White Oak Road. This portion of the pipeline is parallel with the Duke/Progress Energy 500KV transmission line.
- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 800 feet north of Guy Road

3.1.2 Future Facilities

There are no future transmission facilities planned at this time

3.1.3 Prior Rights

Cardinal Pipeline Company – deeded R/W Duke/Progress Energy – deeded R/W

3.1.4 Estimate Cost to NCTA for Relocation

• Cardinal Pipeline Company

o East of White Oak \$171.2K

 Adjustment to 0.09 miles (452 feet) of transmission line to account for fill \$2.0M per mile per line

Duke/Progress Energy

o East of White Oak \$223K

 Adjust span lengths and structure heights to accommodate 446ft crossing of new corridor

o North of Guy Road \$105.6K

 Adjust span lengths and pole heights to accommodate 352ft.
 crossing of new corridor

3.1.5 Estimated Time to Relocate

• Cardinal Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 18-24 months

3.1.6 Restrictions and/or Moratoriums

- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

3.1.7 Non-Utility Conflicts Observed During Investigation

None

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3.2 Segment - B2 (1206+00.00 to 1330+00.00)

Brown Corridor from a point where Tan ties to Brown to a point where Teal ties to Brown.

3.2.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

3.2.2 Future Facilities

N/A

3.2.3 Prior Rights

N/A

3.2.4 Estimate Cost to NCTA for Relocation

N/A

3.2.5 Estimated Time to Relocate

N/A

3.2.6 Restrictions and/or Moratoriums

N/A

3.2.7 Non-Utility Conflicts Observed During Investigation

- Waste Water Treatment Ponds & Spray Fields
 - o Existing Facility

(Highlighted on COR-B_RDY_ROLL4_UC)

- Brown corridor in conflict with 33 acres of existing wastewater spray field at the Neuse River Wastewater Treatment Plant.
- o Prior Rights
 - Deeded property
- Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$8.25M
- o Estimated Time per tower to Relocate
 - Acquisition of new site
 - 12-24 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Unknown

3.3 Segment - B3 (1330+00.00 to 1446+87.00)

Brown Corridor from a point where Teal ties to Brown to a point where Brown ties back to Green.

3.3.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

3.3.2 Future Facilities

There are no future transmission facilities planned at this time

3.3.3 Prior Rights

N/A

3.3.4 Estimate Cost to NCTA for Relocation

N/A

3.3.5 Estimated Time to Relocate

N/A

3.3.6 Restrictions and/or Moratoriums

N/A

3.3.7 Non-Utility Conflicts Observed During Investigation

- Waste Water Treatment Ponds & Spray Fields
 - Existing Facility

(Highlighted on COR-B_RDY_ROLL5_UC)

- Brown corridor in conflict with 10 acres of existing wastewater spray field at the Neuse River Wastewater Treatment Plant.
- o Prior Rights
 - Deeded property
- Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$2.5M
- o Estimated Time per tower to Relocate
 - Acquisition of new site
 - 12-24 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Unknown

4 Mint Corridor

4.1 Segment - M1 (1195+31.00 to 1239+00.00)

Mint Corridor from a point where Mint ties to Green to a point where Red ties to Mint.

4.1.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

4.1.2 Future Facilities

There are no future transmission facilities planned at this time

4.1.3 Prior Rights

N/A

4.1.4 Estimate Cost to NCTA for Relocation

N/A

4.1.5 Estimated Time to Relocate

N/A

4.1.6 Restrictions and/or Moratoriums

N/A

4.1.7 Non-Utility Conflicts Observed During Investigation

- FAA Air Traffic Control Antenna
 - Existing Facility

(Highlighted on COR-MG RDY ROLL1 UC)

- The FAA has an antenna site for air traffic control near the intersection of Rock Quarry Road and Old Baucom Road that is in conflict with new expressway.
- Prior Rights
 - Deeded property
- Estimated Cost to NCTA for Relocation

 $(Note: actual\ cost\ will\ be\ part\ of\ real\ estate\ settlement\ and\ may\ deviate\ greatly\ from\ the\ amount\ estimated\ below)$

- \$500K
- Estimated Time to Relocate
 - Acquisition of new site
 - 6-12 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - May have to obtain permits from various regulatory agencies.

4.2 Segment - M2 (1239+00.00 to 1388+00.00)

Mint Corridor from a point where Red ties to Mint to a point where Mint ties back to Green.

4.2.1 Existing Facilities

(Highlighted on COR-MG_RDY_ROLL1_UC)

• Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 1,600 feet north of Battle Bridge Road (SR-2552)

4.2.2 Future Facilities

There are no future transmission facilities planned at this time

4.2.3 Prior Rights

Duke/Progress Energy – deeded R/W

4.2.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o North of Battle Bridge Rd.

\$105.9K

 Adjust span lengths and structure heights to accommodate 353ft crossing of new corridor

4.2.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

4.2.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

4.2.7 Non-Utility Conflicts Observed During Investigation

None

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5 Tan Corridor

5.1 Segment - T1 (1206+00.00 to 1426+45.00)

Tan Corridor from a point where Brown ties to Tan to a point where Tan ties to Green.

5.1.1 Existing Facilities

(Highlighted on COR-T_RDY_ROLL2_UC)

 Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 900 feet north of Battle Bridge Road

5.1.2 Future Facilities

There are no future transmission facilities planned at this time

5.1.3 Prior Rights

Duke/Progress Energy – deeded R/W

5.1.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o Battle Bridge Road

\$135K

 Adjust span lengths and structure heights to accommodate 450ft crossing of new corridor

5.1.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design
 - o Construction/Cutover/Removal 18-24 months

5.1.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

12 months

5.1.7 Non-Utility Conflicts Observed During Investigation

6 Teal Corridor

6.1 Segment - TL1 (1158+00.00 to 1327+71.00)

Teal Corridor from a point where Teal ties to Green to a point where Teal ties to Brown.

6.1.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

6.1.2 Future Facilities

There are no future transmission facilities planned at this time

6.1.3 Prior Rights

N/A

6.1.4 Estimate Cost to NCTA for Relocation

N/A

6.1.5 Estimated Time to Relocate

N/A

6.1.6 Restrictions and/or Moratoriums

N/A

6.1.7 Non-Utility Conflicts Observed During Investigation

- Waste Water Treatment Ponds & Spray Fields
 - Existing Facility

(Highlighted on COR-TL RDY ROLL3 UC)

- Teal corridor in conflict with existing 33 acres of wastewater spray field at the Neuse River Wastewater Treatment Plant.
- o Prior Rights
 - Deeded property
- Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$8.25M
- o Estimated Time per tower to Relocate
 - Acquisition of new site
 - 12-24 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Unknown

7 Lilac Corridor

7.1 Segment - 03L (484+00.00 to 663+45.51)

Portion of Orange Corridor from US 401 Interchange (Includes completing US 401 Interchange) to a point where Orange to Lilac Cross Over Begins.

7.1.1 Existing Facilities

(Highlighted on COR-O_RDY_ROLL3_UC)

• Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway from US 401 east to just east of Old McCullers Road (SR-2722).

(Highlighted on COR-O_RDY_ROLL4_UC)

- Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway from west of Fanny Brown Road (SR-2723) to approximately 1,000 feet west of Holland Church Road (SR-2725)
- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway at the intersection of Holland Church Road (SR-2725)
- Cardinal Pipeline Company has a gas line adjacent to Duke/Progress Energy transmission R/W in conflict with the proposed expressway at the intersection of Holland Church Road (SR-2725)

7.1.2 Future Facilities

There are no future transmission facilities planned at this time

7.1.3 Prior Rights

Colonial Pipeline Company – deeded R/W Cardinal Pipeline Company – deeded R/W Duke/Progress Energy – deeded R/W

7.1.4 Estimate Cost to NCTA for Relocation

Colonial Pipeline Company

o US-401 to McCullers \$4.359M

 Install 1,453 feet of new pipeline x 3 lines at \$1K per foot per line

o Fanny Brown to Holland Church \$19.887M

 Install 6,629 feet of new pipeline x 3 lines at \$1K per foot per line

• Cardinal Pipeline Company

o Holland Church Rd. \$801.515K

 Install 0.4 miles (2,116 feet) of new pipeline x 1 line at \$2.0M per mile per line

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- Duke/Progress Energy
 - o Holland Church Road

\$634.5K

 Install 2,115 feet of new transmission line at \$300 per foot per line

7.1.5 Estimated Time to Relocate

• Colonial Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

• Cardinal Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

7.1.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

7.1.7 Non-Utility Conflicts Observed During Investigation

None

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7.2 Segment - OxL (663+45.51 to 709+98.05)

Lilac Corridor from a point where Orange ties to Lilac (Former Cross Over) (L1 Segment south of Orange was eliminated).

7.2.1 Existing Facilities

(Highlighted on COR-L_RDY_ROLL2_UC)

• Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway from Huntwyck Drive just west of Joe Leach Rd. (SR-2730).

7.2.2 Future Facilities

There are no future transmission facilities planned at this time

7.2.3 Prior Rights

Colonial Pipeline Company – deeded R/W

7.2.4 Estimate Cost to NCTA for Relocation

- Colonial Pipeline Company
 - o Huntwyck Rd. and new corridor

\$3.333M

 Install 1,111 feet of new pipeline x 3 lines at \$1K per foot per line

7.2.5 Estimated Time to Relocate

- Colonial Pipeline Company
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

7.2.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months

7.2.7 Non-Utility Conflicts Observed During Investigation

7.3 Segment - L2 (716+83.95 to 865+00.00)

Lilac Corridor from a point where Orange X-Over ties to Lilac to a point where the I-40 Interchange begins (Not Inclusive of I-40 Interchange).

7.3.1 Existing Facilities

(Highlighted on COR-L_RDY_ROLL3_UC)

• Duke/Progress Energy has another 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 1 mile east of Benson Road (NC-50).

7.3.2 Future Facilities

There are no future transmission facilities planned at this time

7.3.3 Prior Rights

Duke/Progress Energy – deeded R/W

7.3.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o East of Benson Rd.

\$200.4K

 Adjust span lengths and pole heights to accommodate 668ft.
 crossing of new corridor

7.3.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

7.3.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

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7.3.7 Non-Utility Conflicts Observed During Investigation

- Waste Water Treatment Pond & Spray Fields
 - o Existing Facility

Highlighted on COR-L_RDY_ROLL3_UC

- Lilac corridor in conflict with 1 existing wastewater pond and 7.05 acres of spray field at the Wrenn Road Wastewater Treatment Plant.
- Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$10.0M
- o Estimated Time per tower to Relocate
 - Acquisition of new site
 - 12-24 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Unknown

7.4 Segment - L3 (865+00.00 to 937+80.98)

Lilac Corridor I-40 interchange (Builds only the portion of the I-40 Interchange needed to complete R-2829).

7.4.1 Existing Facilities

(Highlighted on COR-L_RDY_ROLL4_UC)

• Cardinal Pipeline Company has a gas line that traverses east to west through the interchange of I-40 and the proposed Lilac corridor.

7.4.2 Future Facilities

There are no future transmission facilities planned at this time

7.4.3 Prior Rights

Cardinal Pipeline Company – deeded R/W

7.4.4 Estimate Cost to NCTA for Relocation

- Cardinal Pipeline Company
 - o I-40 Interchange

\$540.53K

 Install 0.27 miles (1,427ft)of new pipeline x 1 line at \$2.0M per mile per line

7.4.5 Estimated Time to Relocate

• Cardinal Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

7.4.6 Restrictions and/or Moratoriums

- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months

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7.4.7 Non-Utility Conflicts Observed During Investigation

- Waste Water Treatment Ponds & Spray Fields
 - o Existing Facility

Highlighted on COR-L_RDY_ROLL3_UC

- Lilac corridor in conflict with 1 existing wastewater pond and 7.05 acres of spray field at the Wrenn Road Wastewater Treatment Plant.
- Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$10.0M
- o Estimated Time per tower to Relocate
 - Acquisition of new site
 - 12-24 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Unknown

7.5 Segment - L4 (937+80.98 to 984+98.45)

Lilac Corridor from I-40 (Completes I-40 Interchange) to a point where Lilac Cross Overs begin.

7.5.1 Existing Facilities

(Highlighted on COR-L_RDY_ROLL4_UC)

• Cardinal Pipeline Company has a gas line that traverses east to west through the interchange of I-40 and the proposed Lilac corridor.

7.5.2 Future Facilities

There are no future transmission facilities planned at this time

7.5.3 Prior Rights

Cardinal Pipeline Company - deeded R/W

7.5.4 Estimate Cost to NCTA for Relocation

- Cardinal Pipeline Company
 - o I-40 Interchange

\$1.806M

 Install 0.9 miles (4,767ft) of new pipeline x 1 line at \$2.0M per mile per line

7.5.5 Estimated Time to Relocate

- Cardinal Pipeline Company
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

7.5.6 Restrictions and/or Moratoriums

- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months

7.5.7 Non-Utility Conflicts Observed During Investigation

7.6 Segment - L5 (984+98.45 1012+50.98)

Lilac Corridor crosses over to Green Corridor.

7.6.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

7.6.2 Future Facilities

There are no future transmission facilities planned at this time

7.6.3 Prior Rights

N/A

7.6.4 Estimate Cost to NCTA for Relocation

N/A

7.6.5 Estimated Time to Relocate

N/A

7.6.6 Restrictions and/or Moratoriums

N/A

7.6.7 Non-Utility Conflicts Observed During Investigation

None

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7.7 Segment - L6 (984+98.45 to 1031+75.65)

Lilac Corridor cross over to Brown Corridor.

7.7.1 Existing Facilities

(Highlighted on COR-L_RDY_ROLL5A_UC)

- Duke/Progress Energy has a 500KV transmission line on steel lattice structures in conflict with the proposed expressway approximately 3,000 feet east of White Oak Road
- Cardinal Pipeline Company has a gas transmission line in conflict with the propose expressway approximately 3,000 feet east of White Oak Road. This portion of the pipeline is parallel with the Duke/Progress Energy 500KV transmission line.

7.7.2 Future Facilities

There are no future transmission facilities planned at this time

7.7.3 Prior Rights

Cardinal Pipeline Company – deeded R/W Duke/Progress Energy – deeded R/W

7.7.4 Estimate Cost to NCTA for Relocation

- Cardinal Pipeline Company
 - o East of White Oak

\$171.2K

- Adjustment to 0.09 miles (452 feet) of transmission line to account for fill \$2.0M per mile per line
- Duke/Progress Energy
 - o East of White Oak

\$223K

 Adjust span lengths and structure heights to accommodate 446ft crossing of new corridor

7.7.5 Estimated Time to Relocate

• Cardinal Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 18-24 months

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7.7.6 Restrictions and/or Moratoriums

- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

7.7.7 Non-Utility Conflicts Observed During Investigation

7.8 Segment - G2L (1055+84.23 to 1158+00.00)

Portion of Green Corridor from a point where Lilac ties to Green to a point where Teal ties to Green.

7.8.1 Existing Facilities

(Highlighted on COR-G_RDY_ROLL1_UC)

 Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 3,000 feet south of US-70 (Business)

7.8.2 Future Facilities

There are no future transmission facilities planned at this time

7.8.3 Prior Rights

Duke/Progress Energy – deeded R/W

7.8.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o South of US-70 Business

\$111K

 Adjust span lengths and pole heights to accommodate 370ft.
 crossing of new corridor

7.8.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

7.8.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

7.8.7 Non-Utility Conflicts Observed During Investigation

None

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7.9 Segment - B1L (1085+00.00 to 1206+00.00)

Portion of Brown Corridor from a point where Lilac ties to Brown to a point where Tan ties to Brown.

7.9.1 Existing Facilities

(Highlighted on COR-B_RDY_ROLL3_UC)

 Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 800 feet north of Guy Road

7.9.2 Future Facilities

There are no future transmission facilities planned at this time

7.9.3 Prior Rights

Duke/Progress Energy – deeded R/W

7.9.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o North of Guy Road

\$105.6K

 Adjust span lengths and pole heights to accommodate 352ft.
 crossing of new corridor

7.9.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 18-24 months

7.9.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

7.9.7 Non-Utility Conflicts Observed During Investigation

8	Plum Corridor (no longer being considered)	

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9 Red Corridor

9.1 Segment - R1 (386+31.44 to 495+00.00)

Red Corridor from Orange to US 401 (Builds only the portion of the US 401 Interchange needed to complete R-2721).

9.1.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

9.1.2 Future Facilities

There are no future transmission facilities planned at this time

9.1.3 Prior Rights

N/A

9.1.4 Estimate Cost to NCTA for Relocation

N/A

9.1.5 Estimated Time to Relocate

N/A

9.1.6 Restrictions and/or Moratoriums

N/A

9.1.7 Non-Utility Conflicts Observed During Investigation

- Cell Tower
 - Existing Facility

(Highlighted on COR-R RDY ROLL1 UC)

- Crown Castle Tower has a cell tower site near the intersection of Caddy Road and Fayetteville (US-401) in conflict with new expressway.
- Prior Rights
 - Deeded property
- o Estimated Cost per tower to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$1.0M
- o Estimated Time per tower to Relocate
 - Acquisition of new site

6-12 months

Permitting/Construction/Cutover/Removal

12-24 months

- o Restrictions and / or Moratoriums
 - Permits and existing contracts with tenants may impact schedules for relocations and / or transfers to new tower site.

9.2 Segment - R2 (495+00.00 to 618+00.00)

Red Corridor from US 401 to a point where Red Mod (Former Corridor) ties to Red (Builds the remaining portion of the US 401 interchange).

9.2.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

9.2.2 Future Facilities

There are no future transmission facilities planned at this time

9.2.3 Prior Rights

N/A

9.2.4 Estimate Cost to NCTA for Relocation

N/A

9.2.5 Estimated Time to Relocate

N/A

9.2.6 Restrictions and/or Moratoriums

N/A

9.2.7 Non-Utility Conflicts Observed During Investigation

None

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9.3 Segment - R3 (618+00.00 to 854+72.00)

Red Corridor from a point where Red Mod (Former Corridor) ties to Red west of Old Stage Rd to a point where Red Mod (Former Corridor) ties back to Red west of I-40.

9.3.1 Existing Facilities

(Highlighted on COR-R_RDY_ROLL3_UC)

 AT&T has a Remote Terminal Site in conflict with the proposed expressway at Vandora Springs Road. just north of roundabout with Buffaloe Road

9.3.2 Future Facilities

There are no future transmission facilities planned at this time

9.3.3 Prior Rights

AT&T – property owner

9.3.4 Estimate Cost to NCTA for Relocation

AT&T

 Vandora Springs Rd. just north of roundabout with Buffaloe Rd. \$400K

9.3.5 Estimated Time to Relocate

AT&T

Acquisition of new site
 Construction/Cutover/Removal
 12-18 months

9.3.6 Restrictions and/or Moratoriums

None

9.3.7 Non-Utility Conflicts Observed During Investigation

None

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9.4 Segment - R4 (854+72.00 to 916+28.91)

Red Corridor from a point where Red Mod (Former Corridor) ties back to Red west of I-40 to I-40 (Includes building only a portion of I-40 need to complete R-2828).

9.4.1 Existing Facilities

(Highlighted on COR-R_RDY_ROLL5_UC)

- Duke/Progress Energy has three (3) parallel 115KV transmission lines residing in a common right-of-way in conflict with the interchange of the new expressway and I-40.
 - o All three (3) lines in parallel are in conflict for about 600 feet
 - o Two (2) lines in parallel on "H" wood structures continue in conflict for an additional 2,600 feet
 - o One (1) line on single wood poles continues in conflict for an additional 3.500 feet.

9.4.2 Future Facilities

There are no future transmission facilities planned at this time

9.4.3 Prior Rights

Duke/Progress Energy – deeded R/W

9.4.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o Interchange of I-40 and Red corridor

	Install 6,091 feet of transmission line on	
	wood "H" structures	\$1.827M
•	Install 6,031 feet of transmission line on	
	wood "H" structures	\$1.809M
•	Install 3,240 feet of transmission line on	
	single wood poles	\$972K

9.4.5 Estimated Time to Relocate

• Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

9.4.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

9.4.7 Non-Utility Conflicts Observed During Investigation

9.5 Segment - R5 (916+28.91 to 986+64.48)

Red Corridor from R4 to cross over for Red to Mint and Red to Green (Includes building the remaining portion of the I-40 Interchange).

9.5.1 Existing Facilities

(Highlighted on COR-R_RDY_ROLL6_UC)

 Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway at approximately 2,800 southwest of US-70 near Waterfield Drive.

9.5.2 Future Facilities

There are no future transmission facilities planned at this time

9.5.3 Prior Rights

Duke/Progress Energy – deeded R/W

9.5.4 Estimate Cost to NCTA for Relocation

• Duke/Progress Energy

o Southwest of US-70 near Waterfield Dr.

\$138.6K

 Adjust span lengths and pole heights to accommodate 668ft.
 crossing of new corridor

9.5.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

9.5.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

9.5.7 Non-Utility Conflicts Observed During Investigation

9.6 Segment - R6 & R7 (986+64.48 to 1064+00.00)

R6 - Red Corridor cross over from Red to Green and;

R7 - Red Corridor cross over from Red to Mint.

9.6.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

9.6.2 Future Facilities

There are no future transmission facilities planned at this time

9.6.3 Prior Rights

N/A

9.6.4 Estimate Cost to NCTA for Relocation

N/A

9.6.5 Estimated Time to Relocate

N/A

9.6.6 Restrictions and/or Moratoriums

N/A

9.6.7 Non-Utility Conflicts Observed During Investigation

- FAA Air Traffic Control Antenna
 - Existing Facility

(Highlighted on COR-R RDY ROLL6 UC)

- The FAA has an antenna site for air traffic control near the intersection of Rock Quarry Road and Old Baucom Road that is in conflict with new expressway.
- Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$500K
- Estimated Time to Relocate
 - Acquisition of new site
 - 6-12 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - May have to obtain permits from various regulatory agencies prior to relocating this facility.

10	Red Modified Corridor (no longer being considered)

11 Blue Corridor

11.1 Segment - BL1 (478+00.00 to 505+00.00)

Blue Corridor from a point before the US 401 Interchange to a point just after the US 401 (Builds only the Portion of US 401 needed to complete R-2721).

11.1.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

11.1.2 Future Facilities

There are no future transmission facilities planned at this time

11.1.3 Prior Rights

N/A

11.1.4 Estimate Cost to NCTA for Relocation

N/A

11.1.5 Estimated Time to Relocate

N/A

11.1.6 Restrictions and/or Moratoriums

N/A

11.1.7 Non-Utility Conflicts Observed During Investigation

- Cell Tower
 - Existing Facility

(Highlighted on COR-BL RDY ROLL01 UC)

- Crown Castle Tower has a cell tower site near the intersection of US-401 in conflict with new expressway.
- Prior Rights
 - Deeded property
- Estimated Cost per tower to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$1.0M
- o Estimated Time per tower to Relocate
 - Acquisition of new site

6-12 months

- Permitting/Construction/Cutover/Removal
- 12-24 months

- o Restrictions and / or Moratoriums
 - Permits and existing contracts with tenants may impact schedules for relocations and / or transfers to new tower site.

11.2 Segment - BL2 (505+00.00 to 680+69.89)

Blue Corridor from US 401 (Builds the Remaining Portion of US 401 Interchange) to a point after the Old Stage Road Interchange.

11.2.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

11.2.2 Future Facilities

There are no future transmission facilities planned at this time

11.2.3 Prior Rights

N/A

11.2.4 Estimate Cost to NCTA for Relocation

N/A

11.2.5 Estimated Time to Relocate

N/A

11.2.6 Restrictions and/or Moratoriums

N/A

11.2.7 Non-Utility Conflicts Observed During Investigation

11.3 Segment - BL3 (680+69.89 to 850+50.00)

Blue Corridor from a point after Old Stage Road Interchange to where Blue Crossover to Lilac picks up.

11.3.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

11.3.2 Future Facilities

There are no future transmission facilities planned at this time

11.3.3 Prior Rights

N/A

11.3.4 Estimate Cost to NCTA for Relocation

N/A

11.3.5 Estimated Time to Relocate

N/A

11.3.6 Restrictions and/or Moratoriums

N/A

11.3.7 Non-Utility Conflicts Observed During Investigation

11.4 Segment - BLxL (850+50.00 to 958+13.12)

Blue Corridor Crossover to Lilac ties in to the middle of Lilac segment L2.

11.4.1 Existing Facilities

(Highlighted on COR-BL_RDY_ROLL05_UC)

• Colonial Pipeline Company has three (3) petroleum lines within a single R/W in conflict with the proposed expressway just to the east of Benson Road (NC-50)

11.4.2 Future Facilities

There are no future transmission facilities planned at this time

11.4.3 Prior Rights

Colonial Pipeline Company - deeded R/W

11.4.4 Estimate Cost to NCTA for Relocation

- Colonial Pipeline Company
 - o West of Benson Rd. (NC-50)

\$1.488M

 Install 496 feet of new pipeline x 3 lines at \$1K per foot per line

11.4.5 Estimated Time to Relocate

- Colonial Pipeline Company
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

11.4.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months

11.4.7 Non-Utility Conflicts Observed During Investigation

11.5 Segment - L2BL (794+00.00 to 937+80.98)

Portion of Lilac Corridor that ties the Blue Corridor to a common segment break between L2 & L3.

11.5.1 Existing Facilities

(Highlighted on COR-L_RDY_ROLL3_UC)

• Duke/Progress Energy has another 115KV transmission line on wood "H" structures in conflict with the proposed expressway approximately 1 mile east of Benson Road (NC-50).

11.5.2 Future Facilities

There are no future transmission facilities planned at this time

11.5.3 Prior Rights

Duke/Progress Energy – deeded R/W

11.5.4 Estimate Cost to NCTA for Relocation

- Duke/Progress Energy
 - o East of Benson Rd.

\$200.4K

 Adjust span lengths and pole heights to accommodate 668ft.
 crossing of new corridor

11.5.5 Estimated Time to Relocate

- Duke/Progress Energy
 - o Acquisition of new R/W and Design 12 months
 - o Construction/Cutover/Removal 12-18 months

11.5.6 Restrictions and/or Moratoriums

- Duke/Progress Energy
 - o Cutover for transmission lines are restricted during winter and summer months

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11.5.7 Non-Utility Conflicts Observed During Investigation

- Waste Water Treatment Pond & Spray Fields
 - o Existing Facility

Highlighted on COR-L_RDY_ROLL3_UC

- Lilac corridor in conflict with 1 existing wastewater pond and 7.05 acres of spray field at the Wrenn Road Wastewater Treatment Plant.
- Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$10.0M
- o Estimated Time per tower to Relocate
 - Acquisition of new site
 - 12-24 months
 - Permitting/Construction/Cutover/Removal
 - 12-24 months
- o Restrictions and / or Moratoriums
 - Unknown

12 Purple Corridor

12.1 Segment - 01PU (21+45.00 to 197+34.10)

Orange Corridor from the Beginning of the Project to a point where the Purple Corridor ties.

12.1.1 Existing Facilities

(Highlighted on COR-O_RDY_ROLL1_UC)

- Colonial Pipeline Company has a single petroleum line in conflict with proposed expressway at the intersection of Sunset Lake Road (SR-1301) (Highlighted on COR-O_RDY_ROLL2_UC)
- AT&T has a Remote Terminal Site in conflict with the proposed improvements to Holly Springs Road (SR-1152) just across from Fairview Street

12.1.2 Future Facilities

There are no future transmission facilities planned at this time

12.1.3 Prior Rights

Colonial Pipeline Company – deeded R/W AT&T – owner of property

12.1.4 Estimate Cost to NCTA for Relocation

- Colonial Pipeline Company
 - o Sunset Lake Road (SR-1301)

\$2.769M

- Install 2,769 feet of new pipeline x 1 line at \$1K per foot per line
- AT&T
 - o Holly Springs Rd.

\$400K

12.1.5 Estimated Time to Relocate

- Colonial Pipeline Company
 - Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months
- AT&T
 - Acquisition of new site
 Construction/Cutover/Removal
 6-12 months
 12-18 months

12.1.6 Restrictions and/or Moratoriums

- Colonial Pipeline Company
 - o Cutover for pipelines are restricted during winter months

12.1.7 Non-Utility Conflicts Observed During Investigation

- Warning Siren Nuclear Plant
 - o Existing Facility

(Highlighted on COR-O_RDY_ROLL2_UC)

- Duke/Progress Energy has a warning siren for a nearby nuclear plant located on Kildare Road just to the northwest of Holly Springs Road.
- o Prior Rights
 - Deeded property
- o Estimated Cost to NCTA for Relocation

(Note: actual cost will be part of real estate settlement and may deviate greatly from the amount estimated below)

- \$50K
- o Estimated Time to Relocate
 - Acquisition of new site
 - 6-12 months
 - Permitting/Construction/Cutover/Removal
 - 12-18 months
- o Restrictions and / or Moratoriums
 - Duke/Progress Energy may have to obtain permits from various regulatory agencies prior to relocating this facility.

12.2 Segment - PU1 (195+84.46 to 338+53.25)

Purple Corridor from Orange Corridor to a point after the Optimist Farm Road crossing.

12.2.1 Existing Facilities

(Highlighted on COR-PU_RDY_ROLL01_UC)

- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway just west of Pierce Olive Road. (Highlighted on COR-PU_RDY_ROLL02_UC)
- Duke/Progress Energy has a 115KV transmission line on wood "H" structures in conflict with the proposed expressway at the end of Draycroft Place.
- Cardinal Pipeline Company has a gas transmission line in conflict with the proposed expressway at the end of Draycroft Place.

12.2.2 Future Facilities

There are no future transmission facilities planned at this time

12.2.3 Prior Rights

Cardinal Pipeline Company – deeded R/W Duke/Progress Energy – deeded R/W

12.2.4 Estimate Cost to NCTA for Relocation

• Cardinal Pipeline Company

o Draycroft Place \$203.0K

- Adjustment to 0.1 miles (536 feet) of transmission line to account for fill \$2.0M per mile per line
- Duke/Progress Energy
 - o Draycroft Place \$273.6K
 - Adjust span lengths and structure heights to accommodate 712ft crossing of new corridor
 - o Pierce Olive Road \$106.8K
 - Adjust span lengths and pole heights to accommodate 356ft.
 crossing of new corridor

12.2.5 Estimated Time to Relocate

• Cardinal Pipeline Company

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 12-18 months

• Duke/Progress Energy

Acquisition of new R/W and Design
 Construction/Cutover/Removal
 12 months
 18-24 months

12.2.6 Restrictions and/or Moratoriums

- Cardinal Pipeline Company
 - o Cutover for pipelines are restricted during winter months
- Duke/Progress Energy
 - Cutover for transmission lines are restricted during winter and summer months

12.2.7 Non-Utility Conflicts Observed During Investigation

None

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12.3 Segment - PU2 (338+53.25 to 478+00.00)

Purple Corridor from the point after the Optimist Farm Road crossing to a point before the US 401 Blue Corridor Interchange.

12.3.1 Existing Facilities

No facilities exist in this segment that would exceed \$250K to relocate.

12.3.2 Future Facilities

N/A

12.3.3 Prior Rights

N/A

12.3.4 Estimate Cost to NCTA for Relocation

N/A

12.3.5 Estimated Time to Relocate

N/A

12.3.6 Restrictions and/or Moratoriums

N/A

12.3.7 Non-Utility Conflicts Observed During Investigation

				Power		Telephone			Gas Tra	ansmission		Gas		Water / Sev	/er	Non-Utility Co:	st	4
Corridor Coscription (Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelir (Williams Pipelir		Colonial Pipeline Co (multiple steel lin		Piedmont Natu	ral Gas			TV Towers, Cell Towers, FA		Corridor Tota
			эн, гозона, ана	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		O1	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,0
		O1	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,0
		O1	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,3
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,0
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,0
		01	Kildare Farm Rd. just west of Holly Springs Rd.							Trom Took mist sort						Warning Siren for nearby Nuclear Plans	\$50,000	\$50,0
		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,0
		О3	US-401 to Old McCullers Rd. (SR- 2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
		О3	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,0
GREEN		О3	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515									\$1,436,0
1 ORANGE-		О3	East of NC-50	115KV Transmission line Wood "H" structures Rem-570ft Inst-1,214ft	\$364,200					Petroleum line x 3 Rem-640ft Inst-1,136ft	\$3,408,000							\$3,772,2
RA		O4	No conflicts greater than \$250K															
0		G1	No conflicts greater than \$250K															
	-	G2	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,0
		G3	No conflicts greater than \$250K															
	-	G4	Near intersection of Rock Quarry Rd. & Old Baucom Rd.													FAA Air Traffic Control	\$500,000	\$500,0
		G5	1,600 feet NE of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600													\$105,6
		G6	No conflicts greater than \$250K															
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,0

				Power		Telephone				insmission		Gas	Water / Sewer		Non-Utility Cos	t	
Corridor Operation	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelii (Williams Pipelir		Colonial Pipeline Col		Piedmont Natural Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Totals
2 000ptio	00.0.0		chprosonay and	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		O1	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000						\$2,769,000
		O1	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000										\$400,000
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300												\$879,300
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000						\$6,144,000
		O1	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000						\$1,071,000
_			Kildare Farm Rd. just west of Holly Springs Rd.												Warning Siren for nearby Nuclear Plans	\$50,000	\$50,000
			Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000						\$9,576,000
絽		О3	US-401 to Old McCullers Rd. (SR-2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000						\$4,359,000
≚			Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000						\$19,887,000
2 EN-MINT-GREEN			Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515								\$1,436,015
2 REEN		О3	East of NC-50	115KV Transmission line Wood "H" structures Rem-570ft Inst-1,214ft	\$364,200					Petroleum line x 3 Rem-640ft Inst-1,136ft	\$3,408,000						\$3,772,200
ا ق		04	No conflicts greater than \$250K														\$0
GE		G1	No conflicts greater than \$250K														\$0
ORANGE-GRE		G2	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000												\$111,000
		G3	No conflicts greater than \$250K														\$0
			Near intersection of Rock Quarry Rd. & Old Baucom Rd.												FAA Air Traffic Control	\$500,000	\$500,000
		M2	1,600 feet north of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 353ft crossing	\$105,900												\$105,900
		G6	No conflicts greater than \$250K	<u> </u>													\$0
		G7	Poole Rd. (SR-1007)												SBA Cell Tower	\$1,000,000	\$1,000,000
			Total End to End Utility Cost		\$2,094,900		\$400,000	-	\$801,515		\$47,214,000	\$0	-	\$0	-	\$1,550,000	\$52,060,415

				Power		Telephone				ansmission		Gas		Water / Sew	/er	Non-Utility Cos	st	
Corridor Description	Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelir (Williams Pipelir		Colonial Pipeline Co		Piedmont Natu	ral Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Totals
Doddiption	001010		expressway and.	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,000
		O1	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,000
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
		O1	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
		O1	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,000
z			Kildare Farm Rd. just west of Holly Springs Rd.							Nom rook mot corn						Warning Siren for nearby Nuclear Plans	\$50,000	\$50,000
		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,000
Q R		О3	US-401 to Old McCullers Rd. (SR-2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,000
Ż		О3	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,000
, T-N		О3	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515	3, 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								\$1,436,015
3 E-BROWN-TAN-GREEN		О3	East of NC-50	115KV Transmission line Wood "H" structures Rem-570ft Inst-1,214ft	\$364,200					Petroleum line x 3 Rem-640ft Inst-1,136ft	\$3,408,000							\$3,772,200
H.		O4	No conflicts greater than \$250K															\$0
5		G1	No conflicts greater than \$250K															\$0
ORANGI		B1	3,000' east of White Oak Rd.	500KV Transmission line on steel structures Adj spans and structure height for 446ft crossing	\$223,000			Gas transmission line Adjust-452ft to account for cut/fill	\$171,212									\$394,212
		B1	800' north of Guy Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600													\$105,600
		T1	900' north of Battle Bridge Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 450ft crossing	\$135,000													\$135,00
		G6	No conflicts greater than \$250K															\$0
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,000

				Power		Telephone			insmission		Gas	Water / Sewer	Non-Utility Co	st	
Corridor Description	Colors	Saamant	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipeline (Williams Pipeline)	Colonial Pipeline Co (multiple steel line		Piedmont Natural Gas		TV Towers, Cell Towers, F	AA Towers, etc.	Corridor Totals
2 000 iip ii 0 ii	00.0.0		onprocessay and	Facility	Est. Cost	Facility	Est. Cost	Facility Est. Cost	Facility	Est. Cost	Facility Est. Cost	Facility Est. Co	st Facility	Est. Cost	
		O1	Sunset Lake Rd. (SR-1301)						Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000					\$2,769,000
		01	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000								\$400,000
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300										\$879,300
		01	West Lake Rd. (SR-1387)						Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000					\$6,144,000
		01	Bells Lake Rd. (SR-1386)						Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000					\$1,071,000
		O1	Kildare Farm Rd. just west of Holly Springs Rd.										Warning Siren for nearby Nuclear Plans	\$50,000	\$50,000
		O2	Lake Wheeler Rd. to US-401						Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000					\$9,576,000
Z		О3	US-401 to Old McCullers Rd. (SR- 2722)						Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000					\$4,359,000
_		О3	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)						Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000					\$19,887,000
N-GF		О3	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft \$801,515							\$1,436,015
4 ROW		О3	East of NC-50	115KV Transmission line Wood "H" structures Rem-570ft Inst-1,214ft	\$364,200				Petroleum line x 3 Rem-640ft Inst-1,136ft	\$3,408,000					\$3,772,200
Ä		O4	No conflicts greater than \$250K												\$0
GE		G1	No conflicts greater than \$250K												\$0
4 ORANGE-BROWN-GREEN		B1	3,000' east of White Oak Rd.	500KV Transmission line on steel structures Adj spans and structure height for 446ft crossing	\$223,000			Gas transmission line Adjust-452ft \$171,212 to account for cut/fill							\$394,212
		B1	800' north of Guy Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600										\$105,600
		B2	Area along corridor from Old Baucom Rd. 2,300 feet north to connection with Brown corridor (B- 3)										Wastewater Spray Fields 33 acres	\$8,250,000	\$8,250,000
		В3	Area along corridor from connection with Brown (B-2) north to 1,100 feet north of Battle Bridge Rd.										Wastewater Spray Fields 10 acres	\$2,500,000	\$2,500,000
		G6	No conflicts greater than \$250K												\$0
		G7	Poole Rd. (SR-1007)										SBA Cell Tower	\$1,000,000	\$1,000,000
			Total End to End Utility Cost		\$2,206,600		\$400,000	\$972,727	-	\$47,214,000	\$0	\$0	•	\$11,800,000	\$62,593,327

				Power		Telephone				nsmission		Gas		Water / Sew	er	Non-Utility Cos	st	
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelii (Williams Pipelii		Colonial Pipeline Colonial Pipeline Colonial Pipeline		Piedmont Natu	ral Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Totals
Decomption	001010		expressway and.	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	i
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		01	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1.060ft Inst-2.048ft	\$6,144,000							\$6,144,00
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
ìRE	-	O1	Kildare Farm Rd. just west of Holly Springs Rd.							Trom Took mot dork						Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
ż		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,00
≷		О3	US-401 to Old McCullers Rd. (SR- 2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
380		О3	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,00
AL-BROWN-GREEN		О3	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515									\$1,436,01
5 -GREEN-TE	Ī	О3	East of NC-50	115KV Transmission line Wood "H" structures Rem-570ft Inst-1,214ft	\$364,200					Petroleum line x 3 Rem-640ft Inst-1,136ft	\$3,408,000							\$3,772,20
		04	No conflicts greater than \$250K															\$
GR		G1	No conflicts greater than \$250K															\$
ш		G2	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,00
ORANGI			Area along corridor from Old Baucom Rd. 2,300 feet north to connection with Brown corridor (B-	-												Wastewater Spray Fields 33 acres	\$8,250,000	\$8,250,00
		D2	Area along corridor from connection with Brown (B-2) north to 1,100 feet north of Battle Bridge Rd.													Wastewater Spray Fields 10 acres	\$2,500,000	\$2,500,00
		G6	No conflicts greater than \$250K															\$
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00
			Total End to End Utility Cost		\$1,989,000		\$400,000		\$801,515		\$47,214,000		\$0		\$0		\$11,800,000	\$62,204,51

				Power		Telephone				ansmission		Gas		Water / Se	wer	Non-Utility Co:	st	
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipe (Williams Pipe		Colonial Pipeline Col (multiple steel line		Piedmont Natu	ural Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Totals
·			, ,	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost]
		O1	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		O1	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		O1	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
		O1	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
		01	Kildare Farm Rd. just west of Holly Springs Rd.	,												Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
			Near the intersection of Caddy Rd. & Fayetteville Rd. (US-401)													Crown Castle Tower	\$1,000,000	\$1,000,00
~		R2	No conflicts greater than \$250K															\$'
S		R3	Vandora Springs Rd. just north of roundabout with Buffaloe Rd.			Remote Terminal Site	\$400,000											\$400,00
6 ORANGE-RED-GREEN		R4	Interchange of I-40 and Red corridor	115KV Transmission line Wood "H" structures Rem-5,158ft Inst-6,091ft	\$1,827,300													\$1,827,30
NGE		R4	Interchange of I-40 and Red corridor	115KV Transmission line Wood "H" structures Rem-5,040ft Inst-6,031ft	\$1,809,300													\$1,809,30
ORA		R4	Interchange of I-40 and Red corridor	115KV Transmission line Single pole structures Rem-3,236ft Inst-3,240ft	\$972,000													\$972,00
		R5	2,800' SW of US-70 near Waterfield Dr.	115KV Transmission line Wood "H" structures Adj spans and pole height for 461ft crossing	\$138,600													\$138,60
		R6&7	Near intersection of Rock Quarry Rd. & Old Baucom Rd.													FAA Air Traffic Control	\$500,000	\$500,00
		G5	1,600 feet NE of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600													\$105,60
		G6	No conflicts greater than \$250K															\$1
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,000
-			Total End to End Utility Cost	t	\$5,732,100	-	\$800,000		\$0	-	\$9,984,000		\$0		\$0	-	\$2,550,000	\$19,066,100

				Power		Telephone			Gas Tra	ansmission		Gas		Water / Sev	wer	Non-Utility Cos	st	4
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipe (Williams Pipe		Colonial Pipeline Cor (multiple steel line		Piedmont Nati	ural Gas			TV Towers, Cell Towers, FA	AA Towers, etc.	Corridor Totals
·				Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		01	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
Z			Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
3RE			Near the intersection of Caddy Rd. & Fayetteville Rd. (US-401)													Crown Castle Tower	\$1,000,000	\$1,000,00
ĭ		R2	No conflicts greater than \$250K															\$'
		R3	Vandora Springs Rd. just north of roundabout with Buffaloe Rd.			Remote Terminal Site	\$400,000											\$400,00
7 ORANGE-RED-MINT-GREEN		R4	Interchange of I-40 and Red corridor	115KV Transmission line Wood "H" structures Rem-5,158ft Inst-6,091ft	\$1,827,300													\$1,827,30
E-RE		R4	Interchange of I-40 and Red corridor	115KV Transmission line Wood "H" structures Rem-5,040ft Inst-6,031ft	\$1,809,300													\$1,809,30
ANG		R4	Interchange of I-40 and Red corridor	115KV Transmission line Single pole structures Rem-3,236ft Inst-3,240ft	\$972,000													\$972,00
OR		R5	2,800' SW of US-70 near Waterfield Dr.	115KV Transmission line Wood "H" structures Adj spans and pole height for 461ft crossing	\$138,600													\$138,60
	-		Near intersection of Rock Quarry Rd. & Old Baucom Rd.													FAA Air Traffic Control	\$500,000	\$500,00
		M2	1,600 feet north of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 353ft crossing	\$105,900													\$105,90
		G6	No conflicts greater than \$250K															\$'
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,000
			Total End to End Utility Cost	i	\$5,732,400		\$800,000		\$0		\$9,984,000		\$0		\$0		\$2,550,000	\$19,066,400

				Power		Telephone				nsmission		Gas		Water / Se	wer	Non-Utility Cos	st	
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelin (Williams Pipelin	e e)	Colonial Pipeline Cor (multiple steel line		Piedmont Natu	ural Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Totals
Description	Colors		expressway and.	Facility	Est. Cost	Facility	Est. Cost		Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		O1PU	Sunset Lake Rd. (SR-1301)	·				·		Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000	•						\$2,769,00
		O1PU	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		O1PU	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
		PU1	Just west of Pierce Olive Rd. SR 1389	115KV Transmission line Wood "H" structures Adj spans and pole height for 356ft crossing	\$106,800													\$106,80
_		PU1	Draycroft Place	115KV Transmission line Wood "H" structures Adj spans and pole height for 712ft crossing	\$273,600			Gas transmission line Adjust-536ft to account for cut/fill	\$203,030									\$476,63
GREEN		PU2	No conflicts greater than \$250K															\$
3RE		BL1	Intersection with US-401													Crown Castle Tower	\$1,000,000	\$1,000,00
C-C		BL2	No conflicts greater than \$250K															\$
Ā		BL3	No conflicts greater than \$250K															\$
		BLxL	1,800 ft west of Benson Rd. (NC-50)							Petroleum line x 3 Rem-473ft Inst-496ft	\$1,488,000							\$1,488,00
8 -BLUE-LILAC-		L2BL	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
Ė		L2BL	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
RP		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
-PU		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft	\$540,530									\$540,53
GE		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
Ž		L5	No conflicts greater than \$250K															\$
ORANGE-PURPL		G2L	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,00
		G3	No conflicts greater than \$250K				<u> </u>											\$
		G4	Near intersection of Rock Quarry Rd. & Old Baucom Rd.													FAA Air Traffic Control	\$500,000	\$500,00
		G5	1,600 feet NE of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600													\$105,60
		G6	No conflicts greater than \$250K															\$
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00 \$30,553,64

				Power	Telephone				nsmission		Gas		Water / Sev	ver	Non-Utility Co	st	4
	Corridor	Segment	At or near the intersection of new	Duke/Progress Energy Transmission	AT&T		Cardinal Pipelin		Colonial Pipelin		Piedmont Na	itural Gas			TV Towers, Cell Towers, FA	AA Towers, etc.	Corridor To
scription	Colors	5	expressway and:	Facility Est. Cost	Facility	Est. Cost	(Williams Pipelin Facility	e) Est. Cost	(multiple ste	el lines) Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		O1PU	Sunset Lake Rd. (SR-1301)	Facility Est. Cost	Facility	Est. Cost	Facility	ESI. COSI	Petroleum line x 1 Rem-917ft Inst-2,	\$2,760,000	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	\$2,769
		O1PU	Holly Springs Rd. (SR-1152)		Remote Terminal Site	\$400,000											\$400
		O1PU	Kildare Farm Rd. just west of Holly Springs Rd.												Warning Siren for nearby Nuclear Plans	\$50,000	\$50
_		PU1	Just west of Pierce Olive Rd. SR 1389	115KV Transmission line Wood "H" structures Adj spans and pole height for 356ft crossing													\$106
GREEN		PU1	Draycroft Place	115KV Transmission line Wood "H" structures Adj spans and pole height for 712ft crossing			Gas transmission line Adjust-536ft to account for cut/fill	\$203,030									\$476
ř		PU2	No conflicts greater than \$250K														
EEN-MINT.		BL1	Intersection with US-401												Crown Castle Tower	\$1,000,000	\$1,000
ż		BL2	No conflicts greater than \$250K														
Щ		BL3	No conflicts greater than \$250K														
GRI		BLxL	1,800 ft west of Benson Rd. (NC-50)						Petroleum line x 3 Rem-473ft Inst-49								\$1,488
JILAC-		L2BL	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing													\$200
71		L2BL	Off Wrenn Rd.	, and the second											Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,
31		L3	Off Wrenn Rd.												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,
		L3	Interchange of I-40				Gas transmission line Rem-977ft Inst-1,427ft	\$540,530									\$540,
Z		L4	Interchange of I-40				Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,
낅		L5	No conflicts greater than \$250K				2,22 , 2,2										
ORANGE-PURPLE-BLUE		G2L	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing													\$111,
Ϋ́		G3	No conflicts greater than \$250K														
ō		M1	Near intersection of Rock Quarry Rd. & Old Baucom Rd.												FAA Air Traffic Control	\$500,000	\$500,
		M2	1,600 feet north of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 353ft crossing													\$105,
		G6	No conflicts greater than \$250K														
		G7	Poole Rd. (SR-1007)												SBA Cell Tower	\$1,000,000	\$1,000,0

				Power		Telephone				insmission		Gas		Water / Se	ewer	Non-Utility Co	st	
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tr	ransmission	AT&T		Cardinal Pipelin (Williams Pipelin		Colonial Pipeline Cor (multiple steel line		Piedmont Natu	ural Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Tota
·				Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost]
		O1PU	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,0
		O1PU	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,0
		O1PU	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,0
EN		PU1	Just west of Pierce Olive Rd. SR 1389	115KV Transmission line Wood "H" structures Adj spans and pole height for 356ft crossing	\$106,800													\$106,8
-BROWN-TAN-GREEN		PU1	Draycroft Place	115KV Transmission line Wood "H" structures Adj spans and pole height for 712ft crossing	\$273,600			Gas transmission line Adjust-536ft to account for cut/fill	\$203,030									\$476,6
Z		PU2	No conflicts greater than \$250K															
Ž		BL1	Intersection with US-401													Crown Castle Tower	\$1,000,000	\$1,000,0
Λ		BL2	No conflicts greater than \$250K															
3R(BL3	No conflicts greater than \$250K															
S		BLxL	1,800 ft west of Benson Rd. (NC- 50)							Petroleum line x 3 Rem-473ft Inst-496ft	\$1,488,000							\$1,488,0
10 =-LILA		L2BL	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,4
LU.		L2BL	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,0
-B		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,0
J.E		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft	\$540,530									\$540,5
JRI		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,6
4GE-PURPLE-BLUE		L6	3,000' east of White Oak Rd.	500KV Transmission line on steel structures Adj spans and structure height for 446ft crossing	\$223,000			Gas transmission line Adjust-452ft to account for cut/fill	\$171,212									\$394,2
ORANGE		B1L	800' north of Guy Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	r \$105,600													\$105,6
		T1	900' north of Battle Bridge Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 450ft crossing	r \$135,000													\$135,0
		G6	No conflicts greater than \$250K															
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,0

				Power		Telephone			nsmission		Gas		Water / Sewe	er	Non-Utility Cos	st	4
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipeline (Williams Pipeline)	Colonial Pipeline Cor (multiple steel line		Piedmont Nat	ural Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Tota
- CCC11ptC11	00.0.0		охртосомаў ата	Facility	Est. Cost	Facility	Est. Cost	Facility Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	<u> </u>
		O1PU	Sunset Lake Rd. (SR-1301)						Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,0
		O1PU	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000										\$400,0
		O1PU	Kildare Farm Rd. just west of Holly Springs Rd.												Warning Siren for nearby Nuclear Plans	\$50,000	\$50,0
		PU1	Just west of Pierce Olive Rd. SR 1389	115KV Transmission line Wood "H" structures Adj spans and pole height for 356ft crossing	\$106,800												\$106,8
AC-BROWN-GREEN		PU1	Draycroft Place	115KV Transmission line Wood "H" structures Adj spans and pole height for 712ft crossing	\$273,600			Gas transmission line Adjust-536ft \$203,030 to account for cut/fill									\$476,6
RE		PU2	No conflicts greater than \$250K														
- -		BL1	Intersection with US-401												Crown Castle Tower	\$1,000,000	\$1,000,0
፮		BL2	No conflicts greater than \$250K														
RC		BL3	No conflicts greater than \$250K														
뭉		BLxL	1,800 ft west of Benson Rd. (NC-50)						Petroleum line x 3 Rem-473ft Inst-496ft	\$1,488,000							\$1,488,0
_ ╡		L2BL	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400												\$200,4
두 흥		L2BL	Off Wrenn Rd.												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,0
ם		L3	Off Wrenn Rd.												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,0
ا ۲		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft \$540,530									\$540,5
R		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft \$1,805,681									\$1,805,6
11 ORANGE-PURPLE-BLUE		L6	3,000' east of White Oak Rd.	500KV Transmission line on steel structures Adj spans and structure height for 446ft crossing	\$223,000			Gas transmission line Adjust-452ft to account for cut/fill \$171,212									\$394,2
ORAN		B1L	800' north of Guy Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600												\$105,6
		B2	Area along corridor from Old Baucom Rd. 2,300 feet north to connection with Brown corridor (B- 3)												Wastewater Spray Fields 33 acres	\$8,250,000	\$8,250,0
		В3	Area along corridor from connection with Brown (B-2) north to 1,100 feet north of Battle Bridge Rd.												Wastewater Spray Fields 10 acres	\$2,500,000	\$2,500,0
		G6	No conflicts greater than \$250K														
		G7	Poole Rd. (SR-1007)												SBA Cell Tower	\$1,000,000	\$1,000,0

				Power		Telephone				nsmission		Gas		Water / Se	wer	Non-Utility Cos	st	4
Corridor Description	Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tr	ansmission	AT&T		Cardinal Pipelin (Williams Pipelin	ie e)	Colonial Pipeline Cor (multiple steel line		Piedmont Natu	ural Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Total
Description	001013		expressway and.	Facility	Est. Cost	Facility	Est. Cost		Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	1
		O1PU	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		O1PU	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		O1PU	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
GREEN-TEAL-BROWN-GREEN		PU1	Just west of Pierce Olive Rd. SR 1389	115KV Transmission line Wood "H" structures Adj spans and pole height for 356ft crossing	\$106,800													\$106,80
MN-G		PU1	Draycroft Place	115KV Transmission line Wood "H" structures Adj spans and pole height for 712ft crossing	\$273,600			Gas transmission line Adjust-536ft to account for cut/fill	\$203,030									\$476,63
RO		PU2	No conflicts greater than \$250K															\$
밀		BL1	Intersection with US-401													Crown Castle Tower	\$1,000,000	\$1,000,00
ĒΑ		BL2	No conflicts greater than \$250K															\$
<u> </u>		BL3	No conflicts greater than \$250K															\$
		BLxL	1,800 ft west of Benson Rd. (NC-50)							Petroleum line x 3 Rem-473ft Inst-496ft	\$1,488,000							\$1,488,00
12 C-GRI		L2BL	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
 P		L2BL	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
31		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft	\$540,530									\$540,53
<u> </u>		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
اڌ		L5	No conflicts greater than \$250K															\$
ORANGE-PURPLE-BLUE-LILA			South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,00
ANGE		TI 1	Area along corridor from Old Baucom Rd. 2,300 feet north to connection with Brown corridor (B- 3)													Wastewater Spray Fields 33 acres	\$8,250,000	\$8,250,00
OR		В3	Area along corridor from connection with Brown (B-2) north to 1,100 feet north of Battle Bridge Rd.													Wastewater Spray Fields 10 acres	\$2,500,000	\$2,500,00
j		G6	No conflicts greater than \$250K															4
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00

		Powel		Telephone				nsmission		Gas		Water / Sew	er	Non-Utility Cos	st	4
dor rs Segme	At or near the intersection of new	Duke/Progress Energy Tr	ansmission	AT&T		Cardinal Pipelin (Williams Pipelin		Colonial Pipeline Cor (multiple steel line		Piedmont Natur	ral Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Total
15	expressway and.	Facility	Est. Cost	Facility	Est. Cost			Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,0
01	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
O1	Kildare Farm Rd. just west of Holly Springs Rd.	,												Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,00
O3L	US-401 to Old McCullers Rd. (SR-2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
O3L	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6.473ft Inst-6.629ft	\$19,887,000							\$19,887,00
O3L	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515									\$1,436,01
OXL	Intersection of Lilac corridor and Huntwyck Dr.							Petroleum line x 3 Rem-616ft Inst-1.111ft	\$3,333,000							\$3,333,00
L2	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
L2	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
L3	Off Wrenn Rd.													Wastewater Pond (1) and	\$10,000,000	\$10,000,00
L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1.427ft	\$540,530							, ,		\$540,53
L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
L5	No conflicts greater than \$250K					2,22 1 2 2										:
G2L	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,00
G3	No conflicts greater than \$250K															
G4	Near intersection of Rock Quarry Rd. & Old Baucom Rd.													FAA Air Traffic Control	\$500,000	\$500,00
G5	1,600 feet NE of Battle Bridge Rd. (SR-2552)		\$105,600 r													\$105,60
G6	No conflicts greater than \$250K							_								
G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00
	01 01 01 01 01 02 03L 03L 03L 03L 12 L2 L3 L3 L4 L5 G2L G3 G4 G5	O1 Sunset Lake Rd. (SR-1301) O1 Holly Springs Rd. (SR-1152) O1 Pierce Olive Rd. (SR-1389) O1 West Lake Rd. (SR-1387) O1 Bells Lake Rd. (SR-1386) O1 Kildare Farm Rd. just west of Holly Springs Rd. O2 Lake Wheeler Rd. to US-401 O3L US-401 to Old McCullers Rd. (SR-2722) O3L Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725) O3L Holland Church Rd. (SR-2725) O3L Intersection of Lilac corridor and Huntwyck Dr. L2 1 mile east of Benson Rd. L3 Off Wrenn Rd. L3 Off Wrenn Rd. L3 Interchange of I-40 L4 Interchange of I-40 L5 No conflicts greater than \$250K G2L South of US 70 Business G3 No conflicts greater than \$250K G4 Rear intersection of Rock Quarry Rd. & Old Baucom Rd. G5 1,600 feet NE of Battle Bridge Rd. (SR-2552) G6 No conflicts greater than \$250K	O1 Sunset Lake Rd. (SR-1301) O1 Holly Springs Rd. (SR-1152) O1 Pierce Olive Rd. (SR-1389) O1 West Lake Rd. (SR-1389) O1 West Lake Rd. (SR-1387) O1 Bells Lake Rd. (SR-1386) O1 Kildare Farm Rd. just west of Holly Springs Rd. O2 Lake Wheeler Rd. to US-401 O3L US-401 to Old McCullers Rd. (SR-2723) to Holland Church Rd. (SR-2723) to Holland Church Rd. (SR-2725) O3L Holland Church Rd. (SR-2725) O3L Intersection of Lilac corridor and Huntwyck Dr. L2 1 mile east of Benson Rd. L3 Off Wrenn Rd. L3 Off Wrenn Rd. L3 Interchange of I-40 L4 Interchange of I-40 L5 No conflicts greater than \$250K G4 Rear intersection of Rock Quarry Rd. & Old Baucom Rd. G5 (SR-252) G6 No conflicts greater than \$250K	Sunset Lake Rd. (SR-1301)	Sunset Lake Rd. (SR-1301)	Facility	Facility	Facility	Facility Est. Cost Facility Est. Cost	Facility Est Cost Est Cost Facility Est Cost Facility Est Cost Est Cost Facility Est Cost Est Cost Facility Est Cost Est Cost	Facility Facility	Soliday Cast Cost Facility Cast Cost Cost Facility Fa	Part Part	Part Part	Part	Part Part

I				Power		Telephone				nsmission		Gas		Water / Sev	ver	Non-Utility Co	st	
	orridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelin (Williams Pipelin		Colonial Pipeline Cor (multiple steel line		Piedmont Natur	al Gas			TV Towers, Cell Towers, FA	AA Towers, etc.	Corridor Total
			1, 111 13, 11	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		01	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
		01	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
_		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,00
GREEN		O3L	US-401 to Old McCullers Rd. (SR- 2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
3KE		O3L	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,00
N-TN		O3L	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515									\$1,436,01
₹		OXL	Intersection of Lilac corridor and Huntwyck Dr.	,						Petroleum line x 3 Rem-616ft Inst-1,111ft	\$3,333,000							\$3,333,00
14 ORANGE-LILAC-GREEN-MINT-		L2	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
		L2	Off Wrenn Rd.	<u> </u>												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
ĂΙ		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
₹I		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1.427ft	\$540,530							, ,		\$540,53
9		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
A		L5	No conflicts greater than \$250K															\$
OR		G2L	South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,00
		G3	No conflicts greater than \$250K															\$
		M1	Near intersection of Rock Quarry Rd. & Old Baucom Rd.													FAA Air Traffic Control	\$500,000	\$500,00
		M2	1,600 feet north of Battle Bridge Rd. (SR-2552)	115KV Transmission line Wood "H" structures Adj spans and pole height for 353ft crossing	\$105,900													\$105,90
		G6	No conflicts greater than \$250K															\$
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00
			Total End to End Utility Cost		\$1,931,100		\$400,000		\$3,147,726		\$47,139,000		\$0		\$0		\$21,550,000	<u> </u>

				Power		Telephone				nsmission		Gas		Water / Sev	wer	Non-Utility Co	st	4
Corridor Description	Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelin (Williams Pipelin	e e)	Colonial Pipeline Cor (multiple steel line		Piedmont Natura	al Gas			TV Towers, Cell Towers, FA	AA Towers, etc.	Corridor Totals
Description	Colors		expressway and.	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	1
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		O1	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		O1	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,30
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
_		01	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,00
III I		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,00
3. 13.		O3L	US-401 to Old McCullers Rd. (SR-2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
٥		O3L	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,00
OWN-TAN-GREEN		O3L	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515									\$1,436,01
₹		OXL	Intersection of Lilac corridor and Huntwyck Dr.							Petroleum line x 3 Rem-616ft Inst-1,111ft	\$3,333,000							\$3,333,00
15 ORANGE-LILAC-BRO		L2	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
\\ \\ \		L2	Off Wrenn Rd.	V												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
ןַּדְ		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
Ġ		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft	\$540,530									\$540,53
Ž		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
OR,		L6	3,000' east of White Oak Rd.	500KV Transmission line on steel structures Adj spans and structure height for 446ft crossing	\$223,000			Gas transmission line Adjust-452ft to account for cut/fill	\$171,212									\$394,21
		B1L	800' north of Guy Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600													\$105,60
		T1	900' north of Battle Bridge Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 450ft crossing	\$135,000													\$135,00
		G6	No conflicts greater than \$250K															\$
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00

				Power		Telephone				nsmission		Gas		Water / Sew	/er	Non-Utility Cos	st	
Corridor Description	Corridor Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tra	ansmission	AT&T		Cardinal Pipelin (Williams Pipeline		Colonial Pipeline Colonial Pip	mpany	Piedmont Natur	ral Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Totals
Description	Colors		ехргезэмау апи.	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		O1	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,00
		01	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,300
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,00
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,00
		01	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,000
		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,00
		O3L	US-401 to Old McCullers Rd. (SR- 2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
Ë		O3L	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,000
-GRE		O3L	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515	rom o, rron mist o, ozon								\$1,436,01
Ż		OXL	Intersection of Lilac corridor and Huntwyck Dr.	·						Petroleum line x 3 Rem-616ft Inst-1,111ft	\$3,333,000							\$3,333,000
16 .C-BROWN-GREEN	_	L2	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
AC		L2	Off Wrenn Rd.	-												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,000
		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,000
ĴĒ-		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft	\$540,530									\$540,530
N		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
1 ORANGE-LILAC-		L6	3,000' east of White Oak Rd.	500KV Transmission line on steel structures Adj spans and structure height for 446ft crossing	\$223,000			Gas transmission line Adjust-452ft to account for cut/fill	\$171,212									\$394,212
		B1L	800' north of Guy Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 352ft crossing	\$105,600													\$105,60
		B2	Area along corridor from Old Baucom Rd. 2,300 feet north to connection with Brown corridor (B- 3)													Wastewater Spray Fields 33 acres	\$8,250,000	\$8,250,00
		В3	Area along corridor from connection with Brown (B-2) north to 1,100 feet north of Battle Bridge Rd.													Wastewater Spray Fields 10 acres	\$2,500,000	\$2,500,00
		G6	No conflicts greater than \$250K															\$
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,000
			Total End to End Utility Cost		\$2,042,800	8	\$400,000	-	\$3,318,938		\$47,139,000		\$0		\$0	-	\$31,800,000	\$84,700,73

				Power		Telephone				nsmission		Gas		Water / Sev	er er	Non-Utility Cos	st	4
Corridor	Corridor on Colors	Segment	At or near the intersection of new expressway and:	Duke/Progress Energy Tr	ansmission	AT&T		Cardinal Pipelin (Williams Pipelin		Colonial Pipeline Cor (multiple steel line		Piedmont Natur	ral Gas			TV Towers, Cell Towers, FA	A Towers, etc.	Corridor Tota
Description	UII COIOIS		expressway and.	Facility	Est. Cost	Facility	Est. Cost		Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	Facility	Est. Cost	
		01	Sunset Lake Rd. (SR-1301)							Petroleum line x 1 Rem-917ft Inst-2,769ft	\$2,769,000							\$2,769,00
		01	Holly Springs Rd. (SR-1152)			Remote Terminal Site	\$400,000											\$400,0
		O1	Pierce Olive Rd. (SR-1389)	115KV Transmission line Wood "H" structures Rem-669ft Inst-2,931ft	\$879,300													\$879,3
		01	West Lake Rd. (SR-1387)							Petroleum line x 3 Rem-1,060ft Inst-2,048ft	\$6,144,000							\$6,144,0
		01	Bells Lake Rd. (SR-1386)							Petroleum line x 3 Rem-180ft Inst-357ft	\$1,071,000							\$1,071,0
Z Z		O1	Kildare Farm Rd. just west of Holly Springs Rd.													Warning Siren for nearby Nuclear Plans	\$50,000	\$50,0
S.		O2	Lake Wheeler Rd. to US-401							Petroleum line x 3 Rem-2,955ft Inst-3,192ft	\$9,576,000							\$9,576,0
9		O3L	US-401 to Old McCullers Rd. (SR-2722)							Petroleum line x 3 Rem-1,323ft Inst-1,453ft	\$4,359,000							\$4,359,00
Ş		O3L	Fanny Brown Rd. (SR-2723) to Holland Church Rd. (SR-2725)							Petroleum lines x 3 Rem-6,473ft Inst-6,629ft	\$19,887,000							\$19,887,00
BRO		O3L	Holland Church Rd. (SR-2725)	115KV Transmission line Wood "H" structures Rem-594ft Inst-2,115ft	\$634,500			Gas transmission line Rem-607ft Inst-2,116ft	\$801,515	,								\$1,436,0°
AL.		OXL	Intersection of Lilac corridor and Huntwyck Dr.							Petroleum line x 3 Rem-616ft Inst-1,111ft	\$3,333,000							\$3,333,00
17 -GREEN-TEAL-BROWN-GREEN		L2	1 mile east of Benson Rd.	115KV Transmission line Wood "H" structures Adj spans and pole height for 668ft crossing	\$200,400													\$200,40
Æ		L2	Off Wrenn Rd.	occur and coming												Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
		L3	Off Wrenn Rd.													Wastewater Pond (1) and 7.05 acres of Spray Field	\$10,000,000	\$10,000,00
AC		L3	Interchange of I-40					Gas transmission line Rem-977ft Inst-1,427ft	\$540,530							, ,		\$540,53
Ⅎ		L4	Interchange of I-40					Gas transmission line Rem-3,692ft Inst-4,767ft	\$1,805,681									\$1,805,68
点		L5	No conflicts greater than \$250K					,										:
ORANGE-LILAC			South of US 70 Business	115KV Transmission line Wood "H" structures Adj spans and pole height for 370ft crossing	\$111,000													\$111,00
J			Area along corridor from Old Baucom Rd. 2,300 feet north to connection with Brown corridor (B- 3)													Wastewater Spray Fields 33 acres	\$8,250,000	\$8,250,00
			Area along corridor from connection with Brown (B-2) north to 1,100 feet north of Battle Bridge Rd.													Wastewater Spray Fields 10 acres	\$2,500,000	\$2,500,00
		G6	No conflicts greater than \$250K															
		G7	Poole Rd. (SR-1007)													SBA Cell Tower	\$1,000,000	\$1,000,00