

# **Appendix C**

## **Finance Analysis**

**Capital Cost Estimate**

**Utility Estimate Detail**

**Existing STIP Funding**

**Toll Feasibility and Revenue Estimate**

NC-DOT  
Contract Standards and Development Unit  
Preliminary Estimate Section

JUNE 2, 2011

**FINAL**

**ESTIMATE CHECK LIST - CONCRETE DESIGN**

COUNTY	LENGTH (Miles)	CONSTR.COST	UTILITY RIGHT OF WAY COST	RIGHT OF WAY COST	Rdwy/Strs	Utility	ITS	COMPLETE
Robeson 1	14.29	\$230,000,000	\$1,008,360	\$3,575,000	X	X	X	X
Robeson 2	17.62	\$309,000,000	\$1,208,980	\$49,825,000	X	X	X	X
Robeson 3	6.74	\$130,000,000	\$409,460	\$7,250,000	X	X	X	X
County Total	38.65	669,000,000	\$2,626,800	\$60,650,000	X	X	X	X
Cumberland 1	8.15	\$202,000,000	\$468,880	\$8,225,000	X	X	X	X
Cumberland 2	11.83	\$227,000,000	\$580,980	\$15,250,000	X	X	X	X
Cumberland 3	10.35	\$185,000,000	\$520,080	\$9,250,000	X	X	X	X
County Total	30.33	614,000,000	\$1,569,940	\$32,725,000	X	X	X	X
Harnett 1	4.42	\$103,000,000		\$22,625,000	X	X	X	X
Harnett 2	4.44	\$87,000,000		\$21,525,000	X	X	X	X
County Total	8.86	190,000,000	\$692,270	\$44,150,000	X	X	X	X
Johnston 1	3.56	\$69,000,000	\$157,640	\$19,325,000	X	X	X	X
Johnston 2	15.81	\$288,000,000	\$1,156,560	\$31,725,000	X	X	X	X
Johnston 3	10.98	\$219,000,000	\$1,038,940	\$37,450,000	X	X	X	X
County Total	30.35	576,000,000	\$2,353,140	\$88,500,000	X	X	X	X
Wilson 1	11.84	\$195,000,000	\$818,920	\$7,925,000	X	X	X	X
Wilson 2	4.57	\$90,000,000	\$529,780	\$7,475,000	X	X	X	X
County Total	16.41	285,000,000	\$1,348,700	\$15,400,000	X	X	X	X
Nash 1	14.47	\$249,000,000	\$888,040	\$5,294,000	X	X	X	X
Nash 2	11.79	\$206,000,000	\$888,040	\$5,037,500	X	X	X	X
County Total	26.26	455,000,000	\$1,776,080	\$10,331,500	X	X	X	X
Halifax 1	9.95	\$164,000,000	\$888,040	\$2,760,950	X	X	X	X
Halifax 2	12.41	\$205,000,000	\$888,040	\$33,164,400	X	X	X	X
Halifax 3	0.62	\$23,000,000	\$324,980	\$13,323,150	X	X	X	X
County Total	22.98	392,000,000	\$2,101,060	\$49,248,500	X	X	X	X
Northampton	7.49	\$147,000,000	\$547,700	\$20,675,000	X	X	X	X
TOTALS	181.33	3,328,000,000	\$ 13,015,690	\$ 321,680,000				
				\$3,662,695,690.00				

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Robeson 1 CONC** County: **ROBESON**  
 Route **I-95 Toll Road Study**  
 From South Carolina Border to North of US 74  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed Median, 12' Paved Shoulders

<b>CONSTR. COST</b>
<b>\$230,000,000</b>

Prepared By: Atkins 3/1/11  
 Requested By: Derrick Lewis 3/1/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	190.0	Acre	\$ 12,000.00	\$ 2,280,000.00
			<b>Earthwork</b>				
			Excavation	1,522,600	CY	\$ 4.00	\$ 6,090,400.00
			Borrow	560,200	CY	\$ 5.00	\$ 2,801,000.00
			Drainage	14.29	Miles	\$ 300,000.00	\$ 4,287,000.00
			Pavement Removal (Asphalt)	740,700	SY	\$ 4.00	\$ 2,962,800.00
			Fine Grading	1,364,900	SY	\$ 1.50	\$ 2,047,350.00
			Pavement Widening	4,600	SY	\$ 47.00	\$ 216,200.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline				
			13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	629,800	SY	\$ 67.00	\$ 42,196,600.00
			Temporary Pavement	292,000	SY	\$ 35.00	\$ 10,220,000.00
			Remove Temporary Pavement	292,000	SY	\$ 3.00	\$ 876,000.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline				
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	629,800	SY	\$ -	\$ -
			Temporary Pavement	106,500	SY	\$ -	\$ -
			Remove Temporary Pavement	76,900	SY	\$ -	\$ -
			Asphalt Shoulder	419,900	SY	\$ 61.00	\$ 25,613,900.00
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Pavement - Ramps/Loops	108,900	SY	\$ 32.00	\$ 3,484,800.00
			New Pavement - Major Y-Lines	24,800	SY	\$ 47.00	\$ 1,165,600.00
			New Pavement - Minor Y-Lines	22,550	SY	\$ 31.00	\$ 699,050.00
			New Pavement - Service Roads	11,250	SY	\$ 19.00	\$ 213,750.00
			Pavement Resurfacing	12,525	SY	\$ 12.00	\$ 150,300.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	3,925	LF	\$ 15.00	\$ 58,875.00
			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	10,350	SY	\$ 50.00	\$ 517,500.00
			Concrete Barrier	11,600	LF	\$ 90.00	\$ 1,044,000.00
			New Guardrail	6,225	LF	\$ 15.00	\$ 93,375.00
			Guardrail Anchors	88	Each	\$ 1,500.00	\$ 132,000.00
			New Cable Guiderail	15,300	LF	\$ 6.00	\$ -
			Cable Guiderail Anchors	18	Each	\$ 1,000.00	\$ -
			Fencing (Woven Wire)	158,900	LF	\$ 3.50	\$ 556,150.00
			Erosion Control	610.0	Acres	\$ 12,000.00	\$ 7,320,000.00
			Signing Interchanges	4	Each	\$ 340,000.00	\$ 1,360,000.00
			Upgrade Traffic Signal	0	Each	\$ -	\$ -
			Traffic Signal (New)	0	Each	\$ -	\$ -
			Traffic Control	14.29	Miles	\$ 400,000.00	\$ 5,716,000.00
			Thermo and Markers	14.29	Miles	\$ 25,000.00	\$ 357,250.00

North Carolina Department of Transportation  
Functional Estimate

		<b>Retaining Walls</b>					
		<b>Structures</b>					
US301 4Rps+1Lp	Rem Str#12 I-95(SB)/US301	40'W x 235'L	9,400	SF	\$ 15.00	\$ 141,000.00	
Vert. Curve	New Str#12 I-95(SB)/US301	60'W x 235'L	14,100	SF	\$ 95.00	\$ 1,339,500.00	
	Temporary Detour Bridge	32'W x 235'L	7,520	SF	\$ 75.00	\$ 564,000.00	
	Rem Str#10 I-95(NB)/US301	40'W x 235'L	9,400	SF	\$ 15.00	\$ 141,000.00	
	New Str#10 I-95(NB)/US301	60'W x 235'L	14,100	SF	\$ 95.00	\$ 1,339,500.00	
	Temporary Detour Bridge	32'W x 290'L	0	SF		\$ -	
NC130 4Rps+2Lps	Rem Str#4 NC 130/I-95	70'W x 255'L	17,850	SF	\$ 15.00	\$ 267,750.00	
Vert. Curve	New Str#4 NC 130/I-95	84'W x 270'L	22,680	SF	\$ 95.00	\$ 2,154,600.00	
	Off Site Detour						
SR 2459 Gr.Sep.	Rem Str#86 SR 2459/I-95	35'W x 260'L	9,100	SF	\$ 15.00	\$ 136,500.00	
Horiz./Vert. Curves	New Str#86 SR 2459/I-95	40'W x 255'L	10,200	SF	\$ 95.00	\$ 969,000.00	
	Off Site Detour						
SR 1155 Gr.Sep.	Rem Str#96 SR 1155/I-95	35'W x 260'L	9,100	SF	\$ 15.00	\$ 136,500.00	
Horiz./Vert. Curves	New Str#96 SR 1155/I-95	40'W x 260'L	10,400	SF	\$ 105.00	\$ 1,092,000.00	
	Off Site Detour						
SR 2455 Diamond	Rem Str#104 SR 2455/I-95	60'W x 295'L	17,700	SF	\$ 15.00	\$ 265,500.00	
Vert. Curve	New Str#104 SR 2455/I-95	56'W x 315'L	17,640	SF	\$ 95.00	\$ 1,675,800.00	
	Off Site Detour						
SR 2457 Gr.Sep.	Rem Str#107 I-95(SB)/SR 2457	40'W x 210'L	8,400	SF	\$ 15.00	\$ 126,000.00	
Vert. Curve	New Str#107 I-95(SB)/SR 2457	60'W x 225'L	13,500	SF	\$ 95.00	\$ 1,282,500.00	
	Temporary Detour Bridge	32'W x 225'L	7,200	SF	\$ 75.00	\$ 540,000.00	
SR 2457 Gr.Sep.	Rem Str#106 I-95(NB)/SR 2457	40'W x 230'L	9,200	SF	\$ 15.00	\$ 138,000.00	
Vert. Curve	New Str#106 I-95(NB)/SR 2457	60'W x 235'L	14,100	SF	\$ 95.00	\$ 1,339,500.00	
	Temporary Detour Bridge	32'W x 235'L	0	SF		\$ -	
SR 2430 Gr.Sep.	Rem Str#124 SR 2430/I-95	35'W x 300'L	10,500	SF	\$ 15.00	\$ 157,500.00	
Vert. Curve	New Str#124 SR 2430/I-95	40'W x 315'L	12,600	SF	\$ 95.00	\$ 1,197,000.00	
	Off Site Detour						
SR1003 2Rps+2Lps	Rem Str#130 SR 1003/I-95	35'W x 240'L	8,400	SF	\$ 15.00	\$ 126,000.00	
Vert. Curve	New Str#130 SR 1003/I-95	68'W x 335'L	22,780	SF	\$ 95.00	\$ 2,164,100.00	
	Off Site Detour						
SR 2422 Gr.Sep.	Rem Str#131 SR 2422/I-95	40'W x 275'L	11,000	SF	\$ 15.00	\$ 165,000.00	
Vert. Curve	New Str#131 SR 2422/I-95	40'W x 250'L	10,000	SF	\$ 95.00	\$ 950,000.00	
	Off Site Detour						
		<b>RC Box Culverts</b>					
ML South of NC130	Ex. 1@10x10-51' Extension-5' Fill- 83 Skew		51	LF	\$ 2,317.00	\$ 118,167.00	
Str# 89	Ex. 4@10x9-No Extension-5' Fill- 90 Skew		0	LF		\$ -	
Str# 90	Ex. 2@10x8-No Extension-5' Fill- 90 Skew		0	LF		\$ -	
Str#98	Ex. 2@10x9-18' Extension-5' Fill- 90 Skew		18	LF	\$ 5,500.00	\$ 99,000.00	
ML S. of SR1003	Ex. 1@10x10-20' Extension-5' Fill- 77 Skew		20	LF	\$ 2,317.00	\$ 46,340.00	
		<b>Utility Construction</b>					
	8" DIP Water Line		1,000	LF	\$ 107.00	\$ 107,000.00	
	8" PVC Sewer Line		1,000	LF	\$ 33.00	\$ 33,000.00	
		<b>ITS</b>					
	MVD		12	Each	\$ 8,000.00	\$ 96,000.00	
	DMSS		1	Each	\$ 175,000.00	\$ 175,000.00	
	CCTV		2	Each	\$ 14,000.00	\$ 28,000.00	
	Misc. & Mob (15% Strs&Util)					\$ 2,866,343.00	
	Misc. & Mob (45% Functional)					\$ 55,107,000.00	

Lgth 14.29 Miles

Contract Cost .....		\$ 199,544,000.00
E. & C. 15% .....		\$ 30,456,000.00
<b>Construction Cost .....</b>		<b>\$ 230,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No.  
Route  
From  
Typical Section

**I-5133**  
**I-95 Toll Road Study**  
North of US 74 to North of NC 20  
Reconstruct to 6 Lanes, 50' Depressed Med, 12' Paved Shoulders 7.01 Miles  
Reconstruct to 6 Lanes, 26' Median w/Barrier, 12' Paved Shoulders 10.61 Miles

**Robeson 2 CONC**

County: **ROBESON**

<b>CONSTR. COST</b>
<b>\$309,000,000</b>

Prepared By: Atkins 3/1/11  
Requested By: Derrick Lewis 3/1/11  
Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	150.0	Acre	\$ 12,000.00	\$ 1,800,000.00
			<b>Earthwork</b>				
			Excavation	1,919,600	CY	\$ 4.00	\$ 7,678,400.00
			Borrow	797,699	CY	\$ 5.00	\$ 3,988,495.00
			<b>Drainage</b>				
			50' Depressed Median	7.01	Miles	\$ 300,000.00	\$ 2,103,000.00
			26' Median W / Barrier	10.61	Miles	\$ 400,000.00	\$ 4,244,000.00
			Pavement Removal (Asphalt)	934,500	SY	\$ 4.00	\$ 3,738,000.00
			Fine Grading	2,012,700	SY	\$ 1.50	\$ 3,019,050.00
			Pavement Widening	17,850	SY	\$ 47.00	\$ 838,950.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	778,100	SY	\$ 67.00	\$ 52,132,700.00
			Temporary Pavement	394,700	SY	\$ 35.00	\$ 13,814,500.00
			Remove Temporary Pavement	394,700	SY	\$ 3.00	\$ 1,184,100.00
			<b>****//OR//****</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	778,100	SY		\$ -
			Temporary Pavement	253,300	SY		\$ -
			Remove Temporary Pavement	236,100	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	515,300	SY	\$ 61.00	\$ 31,433,300.00
			New Pavement - Ramps/Loops	166,900	SY	\$ 32.00	\$ 5,340,800.00
			New Pavement - Major Y-Lines	59,400	SY	\$ 47.00	\$ 2,791,800.00
			New Pavement - Minor Y-Lines	22,750	SY	\$ 31.00	\$ 705,250.00
			New Pavement - Service Roads	200,900	SY	\$ 19.00	\$ 3,817,100.00
			Pavement Resurfacing	47,150	SY	\$ 12.00	\$ 565,800.00
			1'-6" Concrete Curb and Gutter	2,900	LF	\$ 11.00	\$ 31,900.00
			2'-6" Concrete Curb and Gutter	5,750	LF	\$ 15.00	\$ 86,250.00
			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	16,550	SY	\$ 50.00	\$ 827,500.00

North Carolina Department of Transportation  
Functional Estimate

			Concrete Barrier	56,050	LF	\$ 90.00	\$ 5,044,500.00
			New Guardrail	22,438	LF	\$ 15.00	\$ 336,562.50
			Guardrail Anchors	128	Each	\$ 1,500.00	\$ 192,000.00
			New Cable Guiderail	36,100	LF	\$ 6.00	\$ 216,600.00
			Cable Guiderail Anchors	38	Each	\$ 1,000.00	\$ 38,000.00
			Fencing (Woven Wire)	201,000	LF	\$ 3.50	\$ 703,500.00
			Erosion Control	550	Acres	\$ 12,000.00	\$ 6,600,000.00
			Signing Interchanges	5	Each	\$ 340,000.00	\$ 1,700,000.00
			Upgrade Traffic Signal	0	Each		\$ -
			Traffic Signal (New)	5	Each	\$ 90,000.00	\$ 450,000.00
			Traffic Control	7.01	Miles	\$ 400,000.00	\$ 2,804,000.00
			Thermo and Markers	7.01	Miles	\$ 25,000.00	\$ 175,250.00
			<b>Retaining Walls</b>				
			SB Off Ramp at SR 1536 295.5'x5'	1,478	SF	\$ 70.00	\$ 103,425.00
NC 20			I-95 NB Mainline @ Bridge 500'x 7.5'	4,500	SF	\$ 75.00	\$ 337,500.00
NC 20			I-95 SB Mainline @ Bridge 500'x 7.5'	4,500	SF	\$ 75.00	\$ 337,500.00
			<b>Structures</b>				
I-95 over SR & RR			Rem Str#144 I-95(NB)/SR 1541/RR 30'W x 230'L	6,900	SF	\$ 15.00	\$ 103,500.00
			Rem Str#145 I-95(SB)/SR 1541/RR 30'W x 235'L	7,050	SF	\$ 15.00	\$ 105,750.00
		Vert. Curve	New Str#144/145 I-95/SR 1541/RR 122'W x 260'L	31,720	SF	\$ 95.00	\$ 3,013,400.00
			Temporary Detour Bridge 32'W x 260'L	8,320	SF	\$ 75.00	\$ 624,000.00
I-95 over River			Rem Str#147 I-95(SB)/Rvr 80'W x 385'L	30,800	SF	\$ 15.00	\$ 462,000.00
			Rem Str#146 I-95(NB)/Rvr 30'W x 380'L	11,400	SF	\$ 15.00	\$ 171,000.00
			New Str#146/147 I-95/Rvr 140'W x 385'L	53,900	SF	\$ 95.00	\$ 5,120,500.00
			Temporary Detour Bridge 32'W x 385'L	12,320	SF	\$ 75.00	\$ 924,000.00
			Work Bridge 2 @ 39'W x 385' L	30,030	SF	\$ 25.00	\$ 750,750.00
SR 1536 Gr.Sep.			Rem Str#148 SR 1536/I-95 30'W x 225'L	6,750	SF	\$ 15.00	\$ 101,250.00
		Vert. Curve	New Str#148 SR 1536/I-95 56'W x 265'L	14,840	SF	\$ 95.00	\$ 1,409,800.00
			Off Site Detour				
NC 211 4Rps+2Lps			Rem Str#102 NC 211/I-95 100'W x 275'L	27,500	SF	\$ 15.00	\$ 412,500.00
		Vert. Curve	New Str#102 NC 211/I-95 100'W x 280'L	28,000	SF	\$ 110.00	\$ 3,080,000.00
			Phase Construct				
US 301			Rem. Str#36 US 301(WB)/I-95 32'W x 228'L	7,296	SF	\$ 15.00	\$ 109,440.00
Diverging Diamond			New Str#36 US 301(EB)/I-95 32'W x 265'L	8,480	SF	\$ 110.00	\$ 932,800.00
		Vert. Curve	New Str#36 US 301(WB)/I-95 32'W x 265'L	8,480	SF	\$ 110.00	\$ 932,800.00
			Use Exist. Bridge as Detour w/Phase Construct				
SR 1529 Gr.Sep.			Rem Str#151 SR 1529/I-95 25'W x 255'L	6,375	SF	\$ 15.00	\$ 95,625.00
		Vert. Curve	New Str#151 SR 1529/I-95 40'W x 235'L	9,400	SF	\$ 95.00	\$ 893,000.00
			Off Site Detour				
US 301 2Rps+2Lps			Rem Str#54 US 301/I-95 30'W x 335'L	10,050	SF	\$ 15.00	\$ 150,750.00
		Vert. Curve	New Str#54 US 301/I-95 56'W x 555'L	31,080	SF	\$ 95.00	\$ 2,952,600.00

North Carolina Department of Transportation  
Functional Estimate

	Off Site Detour					
SR 1758 Gr.Sep.	Rem Str#152 SR 1758/I-95	30'W x 330'L	9,900	SF	\$ 15.00	\$ 148,500.00
Horiz./Vert. Curves	New Str#152 SR 1758/I-95	40'W x 360'L	14,400	SF	\$ 105.00	\$ 1,512,000.00
	Off Site Detour					
SR 1006 Gr.Sep.	Rem Str#154 SR 1006/I-95	30'W x 195'L	5,850	SF	\$ 15.00	\$ 87,750.00
Horiz./Vert. Curves	New Str#154 SR 1006/I-95	40'W x 230'L	9,200	SF	\$ 105.00	\$ 966,000.00
	Realign Use Exist. Bridge as Detour					
I-95 over River	Rem Str#158 I-95(SB)/Rvr	30'W x 155'L	4,650	SF	\$ 15.00	\$ 69,750.00
	New Str#158 I-95(SB)/Rvr	60'W x 160'L	9,600	SF	\$ 90.00	\$ 864,000.00
	Temporary Detour Bridge	32'W x 160'L	5,120	SF	\$ 75.00	\$ 384,000.00
	Work Bridge 1 @ 39'W x 160' L		6,240	SF	\$ 25.00	\$ 156,000.00
	Rem Str#156 I-95(NB)/Rvr	30'W x 155'L	4,650	SF	\$ 15.00	\$ 69,750.00
	New Str#156 I-95(NB)/Rvr	60'W x 160'L	9,600	SF	\$ 90.00	\$ 864,000.00
	Temporary Detour Bridge	32'W x 160'L	0	SF		\$ -
	Work Bridge 1 @ 39'W x 160' L		6,240	SF	\$ 25.00	\$ 156,000.00
NC 20 Diamond	Rem Str#160 I-95(SB)/NC-20	30'W x 190'L	5,700	SF	\$ 15.00	\$ 85,500.00
	New Str#160 I-95(SB)/NC-20	60'W x 190'L	11,400	SF	\$ 95.00	\$ 1,083,000.00
	Temporary Detour Bridge	32'W x 190'L	6,080		\$ 75.00	\$ 456,000.00
	Rem Str#159 I-95(NB)/NC-20	30'W x 190'L	5,700	SF	\$ 15.00	\$ 85,500.00
	New Str#159 I-95(NB)/NC-20	60'W x 190'L	11,400	SF	\$ 95.00	\$ 1,083,000.00
	Temporary Detour Bridge	32'W x 190'L	0	SF		
	<u>RC Box Culverts</u>					
Str#150	Ex. 2@10x8-157' Ext. 5' Fill- 73 Skew		157	LF	\$ 2,425.00	\$ 380,725.00
East of Str#150	New 1@10x10-105' long- 5' Fill- 90 Skew		105	LF	\$ 2,317.00	\$ 243,285.00
Str#464	Ex. 1@10x10-155' Ext. 5' Fill- 60 Skew		155	LF	\$ 2,317.00	\$ 359,135.00
North of US301	Ex. 1@10x10-75' Ext. 5' Fill- 90 Skew		75	LF	\$ 2,317.00	\$ 173,775.00
North of US301	Ex. 1@10x10-76' Ext. 5' Fill- 90 Skew		76	LF	\$ 2,317.00	\$ 176,092.00
	<u>Utility Construction</u>					
	8" DIP Water Line		1,300	LF	\$ 107.00	\$ 139,100.00
	8" PVC Sewer Line		1,300	LF	\$ 33.00	\$ 42,900.00
	<u>ITS</u>					
	CLS		6	Each	\$ 45,000.00	\$ 270,000.00
	MVD		42	Each	\$ 8,000.00	\$ 336,000.00
	DMSS		4	Each	\$ 175,000.00	\$ 700,000.00
	CCTV		3	Each	\$ 1,400.00	\$ 4,200.00
	Misc. & Mob (15% Strs&Util)					\$ 5,102,840.50
	Misc. & Mob (45% Functional)					\$ 71,281,000.00

Lgth 17.62 Miles

<b>Contract Cost</b> .....	\$ 268,805,000.00
<b>E. &amp; C. 15%</b> .....	\$ 40,195,000.00
<b>Construction Cost</b> .....	<b>\$ 309,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Robeson 3 CONC** County: **ROBESON**  
 Route **I-95 Toll Road Study**  
 From North of NC 20 to the Cumberland County Line **CONSTR. COST**  
 Typical Section Reconstr to 6 Lns, 26' Med w/Barrier, 12' Paved Shoulders 0.96 Miles **\$130,000,000**  
 Reconstr to 6 Lns, 50'Depr. Median, 12' Paved Shoulders 5.78 Miles

Prepared By: Atkins 3/2/11  
 Requested By: Derrisk Lewis 3/2/11  
 Priced By: Doug Lane 6/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	95.0	Acre	\$ 12,000.00	\$ 1,140,000.00
			<b>Earthwork</b>				
			Excavation	583,300	CY	\$ 4.00	\$ 6,090,400.00
			Borrow	490,500	CY	\$ 5.00	\$ 2,801,000.00
			<b>Drainage</b>				
			50' Depressed Median	5.78	Miles	\$ 300,000.00	\$ 1,734,000.00
			26' Median W / Barrier	0.96	Miles	\$ 400,000.00	\$ 384,000.00
			Pavement Removal (Asphalt)	335,000	SY	\$ 4.00	\$ 1,340,000.00
			Fine Grading	728,600	SY	\$ 1.50	\$ 1,092,900.00
			Pavement Widening	2,275	SY	\$ 47.00	\$ 106,925.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	397,200	SY	\$ 67.00	\$ 26,612,400.00
			Temporary Pavement	139,400	SY	\$ 35.00	\$ 4,879,000.00
			Remove Temporary Pavement	139,400	SY	\$ 3.00	\$ 418,200.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	397,200	SY		\$ -
			Temporary Pavement	103,900	SY		\$ -
			Remove Temporary Pavement	101,500	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	198,600	SY	\$ 61.00	\$ 12,114,600.00
			New Pavement - Ramps/Loops	27,550	SY	\$ 32.00	\$ 881,600.00
			New Pavement - Major Y-Lines	10,600	SY	\$ 47.00	\$ 498,200.00
			New Pavement - Minor Y-Lines	22,400	SY	\$ 31.00	\$ 694,400.00
			New Pavement - Service Roads	16,400	SY	\$ 19.00	\$ 311,600.00
			Pavement Resurfacing	3,450	SY	\$ 12.00	\$ 41,400.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	0	LF	\$ 15.00	\$ -
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	1,825	SY	\$ 50.00	\$ 91,250.00
			Concrete Barrier	30,550	LF	\$ 90.00	\$ 2,749,500.00
			New Guardrail	2,600	LF	\$ 15.00	\$ 39,000.00
			Guardrail Anchors	40	Each	\$ 1,500.00	\$ 60,000.00



North Carolina Department of Transportation  
Functional Estimate

		New Cable Guiderail	5,000	LF	\$ 6.00	\$ 30,000.00
		Cable Guiderail Anchors	5	Each	\$ 1,000.00	\$ 5,000.00
		Fencing (Woven Wire)	75,600	LF	\$ 3.50	\$ 264,600.00
		Erosion Control	190.0	Acres	\$ 12,000.00	\$ 2,280,000.00
		Signing Interchanges	1	Each	\$ 340,000.00	\$ 340,000.00
		Upgrade Traffic Signal	0	Each	\$ 70,000.00	\$ -
		Traffic Signal (New)	0	Each	\$ 90,000.00	\$ -
		Traffic Control	6.74	Miles	\$ 450,000.00	\$ 3,033,000.00
		Thermo and Markers	6.74	Miles	\$ 25,000.00	\$ 168,500.00
		<b>Retaining Walls</b>				
		<b>Structures</b>				
		Rem Str#165 I-95(SB)/Rvr 30'W x 155'L	4,650	SF	\$ 15.00	\$ 69,750.00
		Rem Str#164 I-95(NB)/Rvr 30'W x 155'L	4,650	SF	\$ 15.00	\$ 69,750.00
	Vert. Curve	New Str#164/165 I-95/Rvr 146'W x 170'L	24,820	SF	\$ 90.00	\$ 2,233,800.00
		Temporary Detour Bridge 32'W x 170'L	5,440	SF	\$ 75.00	\$ 408,000.00
		Work Bridge 2 @ 39'W x 16'	12,480	SF	\$ 25.00	\$ 312,000.00
	US 301 Diamond	Rem Str#100 US-301/I-95 30'W x 280'L	8,400	SF	\$ 15.00	\$ 126,000.00
	Vert. Curve	New Str#100 US-301/I-95 56'W x 330'L	18,480	SF	\$ 95.00	\$ 1,755,600.00
		Off Site Detour				
	SR 1726 Gr. Sep.	Rem Str#162 SR 1726/I-95 25'W x 260'L	6,500	SF	\$ 15.00	\$ 97,500.00
	Vert. Curve	New Str#162 SR 1726/I-95 40'W x 260'L	10,400	SF	\$ 95.00	\$ 988,000.00
		Off Site Detour				
	SR 1723 Gr. Sep	Rem Str#167 SR 1723/I-95 30'W x 230'L	6,900	SF	\$ 15.00	\$ 103,500.00
	Vert. Curve	New Str#167 SR 1723/I-95 40'W x 235'L	9,400	SF	\$ 95.00	\$ 893,000.00
		Off Site Detour				
	SR 1718 Gr. Sep.	Rem Str#169 SR 1718/I-95 30'W x 220'L	6,600	SF	\$ 15.00	\$ 99,000.00
	Vert. Curve	New Str#169 SR 1718/I-95 40'W x 235'L	9,400	SF	\$ 95.00	\$ 893,000.00
		Off Site Detour				
		<b>RC Box Culverts</b>				
	Str#168	Ex. 3@9x8-67' Ext. 5' Fill- 90 Skew	67	LF	\$ 3,016.00	\$ 202,072.00
	North of SR1718	Ex. 1@10x10-78' Ext. 5' Fill- 90 Skew	78	LF	\$ 2,317.00	\$ 180,726.00
	County Line	Ex. 1@10x10-70' Ext. 5' Fill- 90 Skew	70	LF	\$ 2,317.00	\$ 162,190.00
		<b>ITS</b>				
		CLS	2	Each	\$ 45,000.00	\$ 90,000.00
		MVD	30	Each	\$ 8,000.00	\$ 240,000.00
		DMSS	3	Each	\$ 175,000.00	\$ 525,000.00
		CCTV	1	Each	\$ 14,000.00	\$ 14,000.00
		<b>Utility Construction</b>				
		8" DIP Water Line	500	LF	\$ 107.00	\$ 53,500.00
		8" PVC Sewer Line	500	LF	\$ 33.00	\$ 16,500.00
		Misc. & Mob (15% Strs&Util)				\$ 1,429,637.00
		Misc. & Mob (45% Functional)				\$ 31,591,000.00

**Lgth 6.74 Miles**

<b>Contract Cost</b> .....	\$ 112,755,000.00
<b>E. &amp; C. 15%</b> .....	\$ 17,245,000.00
<b>Construction Cost</b> .....	<b>\$ 130,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**

**Cumb 1 CONC**

County: **CUMBERLAND**

Route **I-95 Toll Road Study**

From Robeson County to North of SR 2337 (Elizabethtown Road)

**CONSTR. COST**  
**\$202,000,000**

Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders

Prepared By: Atkins

3/16/11

Requested By: Derrick Lewis

3/16/11

Priced By: Doug Lane

6/2/11

**Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	170.0	Acre	\$ 12,000.00	\$ 2,040,000.00
			<b>Earthwork</b>				
			Excavation	873,500	CY	\$ 4.00	\$ 3,494,000.00
			Borrow	404,500	CY	\$ 5.00	\$ 2,022,500.00
			Drainage	8.15	Miles	\$ 300,000.00	\$ 2,445,000.00
			Pavement Removal (Asphalt)	429,000	SY	\$ 4.00	\$ 1,716,000.00
			Fine Grading	913,500	SY	\$ 1.50	\$ 1,370,250.00
			Pavement Widening	2,075	SY	\$ 47.00	\$ 97,525.00
			<b>**** Alternate 1 ****</b>				
			Concrete Pavement Design - Mainline				
			13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	462,400	SY	\$ 67.00	\$ 30,980,800.00
			Temporary Pavement	228,200	SY	\$ 35.00	\$ 7,987,000.00
			Remove Temporary Pavement	228,200	SY	\$ 3.00	\$ 684,600.00
			<b>****//OR//****</b>				
			<b>**** Alternate 2 ****</b>				
			Asphalt Pavement Design - Mainline				
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	462,400.0	SY		\$ -
			Temporary Pavement	118,100	SY		\$ -
			Remove Temporary Pavement	100,000	SY		\$ -
			Asphalt Shoulder	230,000	SY	\$ 61.00	\$ 14,030,000.00
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Pavement - Ramps/Loops	83,850.0	SY	\$ 32.00	\$ 2,683,200.00
			New Pavement - Major Y-Lines	42,400.0	SY	\$ 47.00	\$ 1,992,800.00
			New Pavement - Minor Y-Lines	13,400.0	SY	\$ 3.00	\$ 40,200.00
			New Pavement - Service Roads	7,200.0	SY	\$ 19.00	\$ 136,800.00
			Pavement Resurfacing	5,775	SY	\$ 12.00	\$ 69,300.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	1,425	LF	\$ 15.00	\$ 21,375.00
			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	5,250	SY	\$ 50.00	\$ 262,500.00

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		Concrete Barrier		2,300	LF	\$ 90.00	\$ 207,000.00
		New Guardrail		8,075	LF	\$ 15.00	\$ 121,125.00
		Guardrail Anchors		112	Each	\$ 1,500.00	\$ 168,000.00
		New Cable Guiderail		21,900	LF	\$ 6.00	\$ 131,400.00
		Cable Guiderail Anchors		26	Each	\$ 1,000.00	\$ 26,000.00
		Fencing (Woven Wire)		87,300	LF	\$ 3.50	\$ 305,550.00
		Erosion Control		420.0	Acres	\$ 12,000.00	\$ 5,040,000.00
		Signing Interchanges		2.0	Each	\$ 340,000.00	\$ 680,000.00
		Upgrade Traffic Signal		0	Each		\$ -
		Traffic Signal (New)		2	Each	\$ 90,000.00	\$ 180,000.00
		Traffic Control		8.2	Miles	\$ 400,000.00	\$ 3,260,000.00
		Thermo and Markers		8.2	Miles	\$ 25,000.00	\$ 203,750.00
		<b>Retaining Walls</b>					
		<b>Structures</b>					
SR 2243	Gr.Sep.	Rem Str#7 SR 2243/I-95	40'W x 300'L	12,000	SF	\$ 15.00	\$ 180,000.00
	Vert. Curve	New Str#7 SR 2243/I-95	40'W x 280'L	11,200	SF	\$ 95.00	\$ 1,064,000.00
		Offsite detour					
I-95	Gr.Sep.	Rem Str#30 I-95(SB)/US-301, SR 2284	42'W x 480'L	20,160	SF	\$ 15.00	\$ 302,400.00
	Horiz / Vert Curve	New Str#30 I-95(SB)/US-301, SR 2284	72'W x 485'L	34,920	SF	\$ 105.00	\$ 3,666,600.00
		Temporary Detour Bridge	32'W x 485'L	15,520	SF	\$ 75.00	\$ 1,164,000.00
I-95	Gr.Sep.	Rem Str#26 I-95(NB)/US 301, SR 2284	42'W x 500'L	21,000	SF	\$ 15.00	\$ 315,000.00
	Vert. Curve	New Str#26 I-95(NB)/US 301, SR 2284	72'W x 495'L	35,640	SF	\$ 95.00	\$ 3,385,800.00
		Temporary Detour Bridge	32'W x 495'L	0	SF		\$ -
NC 59	Diamond	Rem Str#5 NC 59/I-95	70'W x 285'L	19,950	SF	\$ 15.00	\$ 299,250.00
	Vert. Curve	New Str#5 NC 59/I-95	80'W x 260'L	20,800	SF	\$ 95.00	\$ 1,976,000.00
		Realign - Use Exist. as detour					
SR 2220	Gr. Sep.	Rem Str#72 SR 2220/I-95	40'W x 280'L	11,200	SF	\$ 15.00	\$ 168,000.00
	Vert. Curve	New Str#72 SR 2220/I-95	40'W x 260'L	10,400	SF	\$ 95.00	\$ 988,000.00
		Realign - Use Exist. as detour					
I-95	over River	Rem Str#83 I-95(SB)/Rvr	50'W x 260'L	13,000	SF	\$ 15.00	\$ 195,000.00
	Vert. Curve	New Str#83 I-95(SB)/Rvr	84'W x 280'L	23,520	SF	\$ 90.00	\$ 2,116,800.00
		Temporary Detour Bridge	32'W x 280'L	8,960	SF	\$ 75.00	\$ 672,000.00
		Work Bridge	1 @ 39'W x 280'L	10,920	SF	\$ 25.00	\$ 273,000.00
I-95	over River	Rem Str#77 I-95(NB)/Rvr	40'W x 260'L	10,400	SF	\$ 15.00	\$ 156,000.00
	Vert. Curve	New Str#77 I-95(NB)/Rvr	72'W x 280'L	20,160	SF	\$ 90.00	\$ 1,814,400.00
		Temporary Detour Bridge	32'W x 280'L	0	SF	\$ 75.00	\$ -
		Work Bridge	1 @ 39'W x 280' L	10,920	SF	\$ 25.00	\$ 273,000.00
SR2341	2Rp+2Lp	Rem Str#97 SR 2341/I-95	62'W x 290'L	17,980	SF	\$ 15.00	\$ 269,700.00
		New Str#97 SR 2341/I-95	56'W x 380'L	21,280	SF	\$ 95.00	\$ 2,021,600.00
SR 2212	Gr. Sep.	Rem Str#98 SR 2212/I-95	40'W x 340'L	13,600	SF	\$ 15.00	\$ 204,000.00
	Vert. Curve	New Str#98 SR 2212/I-95	40'W x 265'L	10,600	SF	\$ 95.00	\$ 1,007,000.00
		Offsite detour					
I-95	Gr.Sep.	Rem Str#103 I-95(SB)/NC 87	42'W x 470'L	19,740	SF	\$ 15.00	\$ 296,100.00
		New Str#103 I-95(SB)/NC 87	72'W x 470'L	33,840	SF	\$ 95.00	\$ 3,214,800.00
		Temporary Detour Bridge	32'W x 470'L	15,040	SF	\$ 75.00	\$ 1,128,000.00

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I-95	Gr.Sep.	Rem Str#99 I-95(NB)/NC 87	42'W x 470'L	19,740	SF	\$ 15.00	\$ 296,100.00
		New Str#99 I-95(NB)/NC 87	72'W x 470'L	33,840	SF	\$ 95.00	\$ 3,214,800.00
		Temporary Detour Bridge	32'W x 470'L	0	SF		\$ -
SR 2237	Gr. Sep.	Rem Str#31 SR 2337/I-95	45'W x 590'L	26,550	SF	\$ 15.00	\$ 398,250.00
	Vert. Curve	New Str#31 SR 2337/I-95	40'W x 560'L	22,400	SF	\$ 95.00	\$ 2,128,000.00
		Offsite detour					
I-95	over River	Rem Str#111 I-95(SB)/Rvr	42'W x 705'L	29,610	SF	\$ 15.00	\$ 444,150.00
	Vert. Curve	New Str#111 I-95(SB)/Rvr	84'W x 740'L	62,160	SF	\$ 90.00	\$ 5,594,400.00
		Temporary Detour Bridge	32'W x 740'L	23,680	SF	\$ 75.00	\$ 1,776,000.00
		Work Bridge	1 @ 39'W x 740'L	28,860	SF	\$ 25.00	\$ 721,500.00
I-95	over River	Rem Str#109 I-95(NB)/Rvr	50'W x 710'L	35,500	SF	\$ 15.00	\$ 532,500.00
	Vert. Curve	New Str#109 I-95(NB)/Rvr	84'W x 750'L	63,000	SF	\$ 90.00	\$ 5,670,000.00
		Temporary Detour Bridge	32'W x 750'L	0	SF		\$ -
		Work Bridge	1 @ 39'W x 750'L	29,250	SF	\$ 25.00	\$ 731,250.00
		<b>RC Box Culverts</b>					
LLCMB STA: 356+84		Ex. 1 @ 10x10 - 0' Extension - 5' Fill - 90 Skew		0	LF		\$ -
		<b>ITS</b>					
		CLS		2	Each	\$ 45,000.00	\$ 90,000.00
		MVD		10	Each	\$ 8,000.00	\$ 80,000.00
		DMSS		1	Each	\$ 175,000.00	\$ 175,000.00
		CCTV		3	Each	\$ 14,000.00	\$ 42,000.00
		<b>Utility Construction</b>					
		8" DIP Water Line		300	LF	\$ 107.00	\$ 32,100.00
		8" PVC Sewer Line		300	LF	\$ 33.00	\$ 9,900.00
		Misc. & Mob (15% Strs&Util)					\$ 7,362,925.00
		Misc. & Mob (45% Functional)					\$ 37,079,000.00

Lgth 8.2 Miles

<b>Contract Cost</b> .....	\$ 175,925,000.00
<b>E. &amp; C. 15%</b> .....	\$ 26,075,000.00
<b>Construction Cost</b> .....	<b>\$ 202,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Cumb. 2** **CONC** County: **CUMBERLAND**

Route **I-95 Toll Road Study**

From North of SR 2337 (Elizabethtown Road) to North of US 13/I-295 (Goldsboro Road)

Typical Section Reconst. to 8 Lanes, 50' Depress. and Spread Med., 12' Paved Shldrs 3.22 Miles

Reconstruct to 8 Lanes, 26'Median w / Barrier, 12' Paved Shoulders 8.61 Miles

Prepared By: Atkins 3/16/11

Requested By: Derrick Lewis 3/16/11

Priced By: Doug Lane 6/2/11 **Added Utility Construction**

<b>CONSTR. COST</b>
<b>\$227,000,000</b>

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	180.0	Acre	\$ 12,000.00	\$ 2,160,000.00
			<b>Earthwork</b>				
			Excavation	1,249,400	CY	\$ 4.00	\$ 4,997,600.00
			Borrow	502,900	CY	\$ 5.00	\$ 2,514,500.00
			<b>Drainage</b>				
			Depressed Median	3.22	Miles	\$ 350,000.00	\$ 1,127,000.00
			26' Median W / Barrier	8.61	Miles	\$ 450,000.00	\$ 3,874,500.00
			Pavement Removal (Asphalt)	670,800	SY	\$ 4.00	\$ 2,683,200.00
			Fine Grading	1,392,300	SY	\$ 1.50	\$ 2,088,450.00
			Pavement Widening	1,370	SY	\$ 47.00	\$ 64,390.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline				
			13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	722,100	SY	\$ 67.00	\$ 48,380,700.00
			Temporary Pavement	226,800	SY	\$ 35.00	\$ 7,938,000.00
			Remove Temporary Pavement	226,800	SY	\$ 3.00	\$ 680,400.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline				
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	722,100	SY		\$ -
			Temporary Pavement	88,100	SY		\$ -
			Remove Temporary Pavement	67,000	SY		\$ -
			Asphalt Shoulder	348,500	SY	\$ 61.00	\$ 21,258,500.00
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Pavement - Ramps/Loops	144,650	SY	\$ 32.00	\$ 4,628,800.00
			New Pavement - Major Y-Lines	31,450	SY	\$ 47.00	\$ 1,478,150.00
			New Pavement - Minor Y-Lines	15,750	SY	\$ 31.00	\$ 488,250.00
			New Pavement - Service Roads	7,800	SY	\$ 19.00	\$ 148,200.00
			Pavement Resurfacing	7,975	SY	\$ 12.00	\$ 95,700.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	9,400	LF	\$ 15.00	\$ 141,000.00
			4" Concrete Sidewalk	3,050	SY	\$ 28.00	\$ 85,400.00
			7" Monolithic Islands	5,650	SY	\$ 50.00	\$ 282,500.00
			Concrete Barrier	16,900	LF	\$ 90.00	\$ 1,521,000.00
			New Guardrail	5,263	LF	\$ 15.00	\$ 78,937.50
			Guardrail Anchors	80	Each	\$ 1,500.00	\$ 120,000.00
			New Cable Guiderail	30,400	LF	\$ 6.00	\$ 182,400.00
			Cable Guiderail Anchors	32	Each	\$ 1,000.00	\$ 32,000.00
			Fencing (Woven Wire)	130,200	LF	\$ 3.50	\$ 455,700.00
			Erosion Control	560.0	Acres	\$ 12,000.00	\$ 6,720,000.00
			Signing Interchanges	4.0	Each	\$ 340,000.00	\$ 1,360,000.00
			Upgrade Traffic Signal	0	Each		\$ -
			Traffic Signal (New)	2	Each	\$ 90,000.00	\$ 180,000.00
			Traffic Control	3.2	Miles	\$ 400,000.00	\$ 1,288,000.00

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		Thermo and Markers		3.2	Miles	\$ 35,000.00	\$ 112,700.00
		<b>Retaining Walls</b>					
US 13/I-295		Walls at end bents 2 @ 212ft x 15ft	1,204.0	SF	\$ 90.00	\$ 108,360.00	
		<b>Structures</b>					
SR 2215 Gr. Sep.		Rem Str#118 SR 2215/I-95 30'W x 395'L	11850	SF	\$ 15.00	\$ 177,750.00	
	Vert. Curve	New Str#118 SR 2215/I-95 40'W x 370'L	14800	SF	\$ 95.00	\$ 1,406,000.00	
		Offsite detour					
NC53 2Rp+2Lp		Rem Str#34 NC 53, NC 210/I-95 80'W x 340'L	27,200.0	SF	\$ 15.00	\$ 408,000.00	
	Vert. Curve	New Str#34 NC 53, NC 210/I-95 80'W x 355'L	28,400.0	SF	\$ 95.00	\$ 2,698,000.00	
		Realign - Use Exist. as detour					
SR2000 Gr. Sep.		Rem Str#132 SR 2000/I-95 40'W x 365'L	14600	SF	\$ 15.00	\$ 219,000.00	
	Vert. Curve	New Str#132 SR 2000/I-95 40'W x 300'L	12000	SF	\$ 95.00	\$ 1,140,000.00	
		Realign - Use Exist. as detour					
I-95 Gr. Sep.		Rem Str#134 I-95(SB)/SR 1006, RR 75'W x 265'L	19875	SF	\$ 15.00	\$ 298,125.00	
	Vert. Curve	New Str#134 I-95(SB)/SR 1006, RR 105'W x 285'L	29925	SF	\$ 95.00	\$ 2,842,875.00	
		Temporary Detour Bridge 32'W x 285'L	9120	SF	\$ 75.00	\$ 684,000.00	
I-95 Gr. Sep.		Rem Str#133 I-95(NB)/SR 1006, RR 50'W x 255'L	12750	SF	\$ 15.00	\$ 191,250.00	
	Vert. Curve	New Str#133 I-95(NB)/SR 1006, RR 84'W x 285'L	23940	SF	\$ 95.00	\$ 2,274,300.00	
		Temporary Detour Bridge 32'W x 285'L	0	SF		\$ -	
SR 1835 Gr. Sep.		Rem Str#146 SR 1835/I-95 40'W x 425'L	17000	SF	\$ 15.00	\$ 255,000.00	
	Vert. Curve	New Str#146 SR 1835/I-95 40'W x 360'L	14400	SF	\$ 95.00	\$ 1,368,000.00	
		Realign - Use Exist. as detour					
SR 1832 Diamond		Rem Str#147 SR 1832/I-95 70'W x 265'L	18550	SF	\$ 15.00	\$ 278,250.00	
	Vert. Curve	New Str#147 SR 1832/I-95 56'W x 260'L	14560	SF	\$ 95.00	\$ 1,383,200.00	
		Realign - Use Exist. as detour					
US 301 Gr. Sep.		Rem Str#142 US 301/I-95 42'W x 470'L	19740	SF	\$ 15.00	\$ 296,100.00	
	Horiz. / Vert. Curve	New Str#142 US 301/I-95 42'W x 470'L	19740	SF	\$ 105.00	\$ 2,072,700.00	
		Realign - Use Exist. as detour					
SR 1828 Gr. Sep.		Rem Str#152 SR 1828/I-95 40'W x 275'L	11000	SF	\$ 15.00	\$ 165,000.00	
	Vert. Curve	New Str#152 SR 1828/I-95 40'W x 230'L	9200	SF	\$ 95.00	\$ 874,000.00	
		Realign - Use Exist. as detour					
SR 1933 Gr. Sep.		Rem Str#303 SR 1933/I-95 42'W x 560'L	23520	SF	\$ 15.00	\$ 352,800.00	
	Horiz./ Vert. Curve	New Str#303 SR 1933/I-95 42'W x 705'L	29610	SF	\$ 105.00	\$ 3,109,050.00	
		Realign - Use Exist. as detour					
		<b>RC Box Culverts</b>					
	Str # C121	Ex. 3 @ 10x10 - 52' Extension - 5' Fill - 55 Skew	52	LF	\$ 3,337.00	\$ 173,524.00	
	Str # C119	Ex. 3 @ 10x10 - 63' Extension - 5' Fill - 55 Skew	63	LF	\$ 3,337.00	\$ 210,231.00	
	Str # C131	Ex. 3 @ 10x6 - 7' Extension - 5' Fill - 65 Skew	7	LF	\$ 2,397.00	\$ 16,779.00	
	Str # C148	Ex. 2 @ 9x5 - 191' Extension - 5' Fill - 45 Skew	191	LF	\$ 1,294.00	\$ 247,154.00	
		<b>ITS</b>					
		CLS	2	Each	\$ 45,000.00	\$ 90,000.00	
		MVD	8	Each	\$ 8,000.00	\$ 64,000.00	
		DMSS	3	Each	\$ 175,000.00	\$ 525,000.00	
		CCTV	5	Each	\$ 14,000.00	\$ 70,000.00	
		<b>Utility Construction</b>					
		8" DIP Water Line	500	LF	\$ 107.00	\$ 53,500.00	
		8" PVC Sewer Line	500	LF	\$ 33.00	\$ 16,500.00	
		Misc. & Mob (15% Strs&Util)				\$ 3,356,574.50	
		Misc. & Mob (45% Functional)				\$ 52,725,000.00	

Lgth 11.83 Miles

<b>Contract Cost</b> .....	\$ 197,316,000.00
<b>E. &amp; C. 15%</b> .....	\$ 29,684,000.00
<b>Construction Cost</b> .....	<b>\$ 227,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No: **I-5133**  
 Route: **I-95 Toll Road Study**  
 From: North of US 13/I-295 (Goldsboro Road) to Harnett County Line  
 Typical Section: Reconstruct to 8 Lanes, 26' Median w / Barrier, 12' Paved Shoulders

**Cumb. 3** **CONC**

County: **CUMBERLAND**

**CONSTR. COST**  
**\$185,000,000**

Prepared By: Atkins 3/16/11  
 Requested By: Derrick Lewis 3/16/11  
 Priced By: Doug Lane 6/2/11 **Added Utility Construct**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	130.0	Acre	\$ 12,000.00	\$ 1,560,000.00
			<b>Earthwork</b>				
			Excavation	1,060,700	CY	\$ 4.00	\$ 3,494,000.00
			Borrow	661,500	CY	\$ 5.00	\$ 2,022,500.00
			Drainage (Median Barrier Typical Section)	10.4	Miles	\$ 450,000.00	\$ 4,657,500.00
			Pavement Removal (Asphalt)	512,500	SY	\$ 4.00	\$ 2,050,000.00
			Fine Grading	1,146,300	SY	\$ 1.50	\$ 1,719,450.00
			Pavement Widening	630	SY	\$ 47.00	\$ 29,610.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline				
			13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	610,300	SY	\$ 67.00	\$ 40,890,100.00
			Temporary Pavement	201,500	SY	\$ 35.00	\$ 7,052,500.00
			Remove Temporary Pavement	201,500	SY	\$ 3.00	\$ 604,500.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline				
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	610,300	SY		\$ -
			Temporary Pavement	163,400	SY		\$ -
			Remove Temporary Pavement	163,400	SY		\$ -
			Asphalt Shoulder	305,200	SY	\$ 61.00	\$ 18,617,200.00
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Pavement - Ramps/Loops	53,550	SY	\$ 32.00	\$ 1,713,600.00
			New Pavement - Major Y-Lines	16,500	SY	\$ 47.00	\$ 775,500.00
			New Pavement - Minor Y-Lines	19,500	SY	\$ 31.00	\$ 604,500.00
			New Pavement - Service Roads	40,450	SY	\$ 19.00	\$ 768,550.00
			Pavement Resurfacing	3,500	SY	\$ 12.00	\$ 42,000.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	1,325	LF	\$ 15.00	\$ 19,875.00
			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	4,225	SY	\$ 50.00	\$ 211,250.00
			Concrete Barrier	54,600	LF	\$ 90.00	\$ 4,914,000.00
			New Guardrail	5,088	LF	\$ 15.00	\$ 121,125.00
			Guardrail Anchors	58	Each	\$ 1,500.00	\$ 168,000.00
			New Cable Guiderail	0	LF	\$ 6.00	\$ -
			Cable Guiderail Anchors	0	Each	\$ 1,000.00	\$ -
			Fencing (Woven Wire)	118,700	LF	\$ 3.50	\$ 415,450.00

North Carolina Department of Transportation  
Functional Estimate

		Erosion Control	260.0	Acres	\$ 12,000.00	\$ 3,120,000.00
		Signing Interchanges	2.0	Each	\$ 340,000.00	\$ 680,000.00
		Upgrade Traffic Signal	0	Each		\$ -
		Traffic Signal (New)	0	Each		\$ -
		Traffic Control	10.4	Miles	\$ 400,000.00	\$ 4,140,000.00
		Thermo and Markers	10.4	Miles	\$ 35,000.00	\$ 362,250.00
		<b>Retaining Walls</b>				
		<b>Structures</b>				
SR 1005	Gr. Sep.	Rem Str#153 SR 1005/I-95 25'W x 230'L	5,750	SF	\$ 15.00	\$ 86,250.00
	Vert. Curve	New Str#153 SR 1005/I-95 40'W x 260'L	10,400	SF	\$ 95.00	\$ 988,000.00
		Offsite Detour				
SR1815	2Rp+2Lp	Rem Str#154 SR 1815/I-95 30'W x 220'L	6,600	SF	\$ 15.00	\$ 99,000.00
	Vert. Curve	New Str#154 SR 1815/I-95 56'W x 370'L	20,720	SF	\$ 95.00	\$ 1,968,400.00
		Realign - Use exist. as detour				
SR 1813	Gr. Sep.	Rem Str#155 SR 1813/I-95 25'W x 275'L	6,875	SF	\$ 15.00	\$ 103,125.00
	Vert. Curve	New Str#155 SR 1813/I-95 40'W x 310'L	12,400	SF	\$ 95.00	\$ 1,178,000.00
		Offsite Detour				
NC 82	Diamond	Rem Str#19 NC 82/I-95 30'W x 215'L	6,450	SF	\$ 15.00	\$ 96,750.00
	Vert. Curve	New Str#19 NC 82/I-95 56'W x 250'L	14,000	SF	\$ 95.00	\$ 1,330,000.00
		Offsite Detour				
SR 1806	Gr. Sep.	Rem Str#156 SR 1806/I-95 25'W x 245'L	6,125	SF	\$ 15.00	\$ 91,875.00
	Vert. Curve	New Str#156 SR 1806/I-95 40'W x 275'L	11,000	SF	\$ 95.00	\$ 1,045,000.00
		Offsite Detour				
I-95	over River	Rem Str#158 I-95(SB)/Rvr 30'W x 175'L	5,250	SF	\$ 15.00	\$ 78,750.00
		Rem Str#157 I-95(NB)/Rvr 30'W x 175'L	5,250	SF	\$ 15.00	\$ 78,750.00
		New Str#157/158 I-95/Rvr 146'W x 175'L	25,550	SF	\$ 90.00	\$ 2,299,500.00
		Temporary Detour Bridge 32'W x 175'L	5,600	SF	\$ 75.00	\$ 420,000.00
		Work Bridge 2 @ 39'W x 175' L	13,650	SF	\$ 25.00	\$ 341,250.00
SR 1804	Gr. Sep.	Rem Str#159 SR 1804/I-95 25'W x 210'L	5,250	SF	\$ 15.00	\$ 78,750.00
	Vert. Curve	New Str#159 SR 1804/I-95 40'W x 235'L	9,400	SF	\$ 95.00	\$ 893,000.00
		Offsite Detour				
		<b>RC Box Culverts</b>				
South of SR 1005		Ex. 1 @ 10x10 - 42' Extension - 5' Fill - 60 Skew	42	LF	\$ 2,317.00	\$ 97,314.00
Str # C253		Ex. 3 @ 7x7 - 71' Extension - 5' Fill - 90 Skew	71	LF	\$ 1,656.00	\$ 117,576.00
		<b>ITS</b>				
		MVD	18	Each	\$ 8,000.00	\$ 144,000.00
		DMSS	4	Each	\$ 175,000.00	\$ 700,000.00
		CCTV	1	Each	\$ 14,000.00	\$ 14,000.00
		<b>Utility Construction</b>				
		8" DIP Water Line	400	LF	\$ 107.00	\$ 42,800.00
		8" PVC Sewer Line	400	LF	\$ 33.00	\$ 13,200.00
		Misc. & Mob (15% Strs&Util)				\$ 1,845,250.00
		Misc. & Mob (45% Functional)				\$ 45,339,000.00

Lgth 10.4 Miles

<b>Contract Cost</b> .....	<b>\$ 160,243,000.00</b>
<b>E. &amp; C. 15%</b> .....	<b>\$ 24,757,000.00</b>
<b>Construction Cost</b> .....	<b>\$ 185,000,000.00</b>



North Carolina Department of Transportation  
Functional Estimate

TIP No.  
Route  
From  
Typical Section

**I-5133**  
**I-95 Toll Road Study**  
Cumberland County Line to North of US 421  
Reconstruct to 8 Lanes, 26' Median w/Barrier, 12' Paved Shoulders

<b>Harnett 1</b>	<b>CONC</b>
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County: **HARNETT**

<b>CONSTR. COST</b>
<b>\$103,000,000</b>

Prepared By: Atkins 2/24/11  
Requested By: Derrick Lewis 2/24/11  
Priced By: Doug Lane 6/2/11

**Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	30.0	Acre	\$ 12,000.00	\$ 360,000.00
			<b><u>Earthwork</u></b>				
			Excavation	599,500	CY	\$ 4.00	\$ 2,398,000.00
			Borrow	580,400	CY	\$ 5.00	\$ 2,902,000.00
			Remove Existing Asphalt Pavement	251,700	SY	\$ 4.00	\$ 1,006,800.00
			Drainage Existing Location	4.42	Miles	\$ 450,000.00	\$ 1,989,000.00
			Fine Grading	673,600	SY	\$ 1.50	\$ 1,010,400.00
			Pavement Widening (Major Y-Lines)	1,975	SY	\$ 47.00	\$ 92,825.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	259,600	SY	\$ 67.00	\$ 17,393,200.00
			Temporary Pavement	99,800	SY	\$ 35.00	\$ 3,493,000.00
			Remove Temporary Pavement	99,800	SY	\$ 3.00	\$ 299,400.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	259,600	SY		\$ -
			Temporary Pavement	83,000	SY		\$ -
			Remove Temporary Pavement	83,000	SY		\$ -
			Asphalt Shoulder	135,200	SY	\$ 61.00	\$ 8,247,200.00
			New Pavement - Ramps/Loops	74,800	SY	\$ 32.00	\$ 2,393,600.00
			New Pavement - Major Y-Lines	31,600	SY	\$ 47.00	\$ 1,485,200.00
			New Pavement - Minor Y-Lines	0	SY	\$ 31.00	\$ -
			New Pavement - Service Roads	92,400	SY	\$ 19.00	\$ 1,755,600.00
			Pavement Resurfacing (Major Y-Lines)	24,150	SY	\$ 12.00	\$ 289,800.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	800	LF	\$ 15.00	\$ 12,000.00
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	6,850	SY	\$ 50.00	\$ 342,500.00
			Concrete Median Barrier	23,350	LF	\$ 90.00	\$ 2,101,500.00
			New Guardrail	16,800	LF	\$ 15.00	\$ 252,000.00

North Carolina Department of Transportation  
Functional Estimate

		Guardrail Anchors		40	Each	\$ 1,500.00	\$ 60,000.00
		New Cable Guiderail		0	LF	\$ 6.00	\$ -
		Cable Guiderail Anchors		0	Each	\$ 1,000.00	\$ -
		Woven Wire C/A Fence		56,100	LF	\$ 3.50	\$ 196,350.00
		Erosion Control		180	Acres	\$ 12,000.00	\$ 2,160,000.00
		Signing Interchanges - Minor		4	Each	\$ 340,000.00	\$ 1,360,000.00
		Upgrade Traffic Signal			Each		\$ -
		Traffic Signal (New)		4	Each	\$ 90,000.00	\$ 360,000.00
		Traffic Control		4.42	Miles	\$ 400,000.00	\$ 1,768,000.00
		Thermo and Markers		4.42	Miles	\$ 35,000.00	\$ 154,700.00
		<b>Retaining Walls</b>					
		On SB Ramp off I-95 at US 421		3,675	SF	\$ 70.00	\$ 257,250.00
		<b>Structures</b>					
SR1839	2Rps+2Lps	Rem Str#37 SR 1839/I-95	28'Wx 241'L	6,748	SF	\$ 15.00	\$ 101,220.00
	Hor./Vert. Curve	New Str#37 SR 1839/I-95	56'Wx 361'L	20,216	SF	\$ 105.00	\$ 2,122,680.00
		Realign - Use Exist. as detour					
SR 1002	Diamond	Rem Str#57 SR 1002/I-95	28'Wx 186'L	5,208	SF	\$ 15.00	\$ 78,120.00
	Vert. Curve	New Str#57 SR 1002/I-95	56'Wx 240'L	13,440	SF	\$ 95.00	\$ 1,276,800.00
		Off Site Detour					
1/2 Spread Diamond							
SR 1793	2 Rps	Rem Str#66 SR 1793/I-95	26'Wx 235'L	6,110	SF	\$ 15.00	\$ 91,650.00
	Vert. Curve	New Str#66 SR 1793/I-95	80'Wx 314'L	25,120	SF	\$ 95.00	\$ 2,386,400.00
		Off Site Detour					
1/2 Spread Diamond							
Single New Structure		Rem Str#73 I-95(NB)/US421/NC55	26'Wx 177'L	4,602	SF	\$ 15.00	\$ 69,030.00
	I-95 2 Rps	Rem Str#77 I-95(SB)/US421/NC55	26'Wx 177'L	4,602	SF	\$ 15.00	\$ 69,030.00
	Hor./Vert. Curve	New Str#73 I-95/US421/NC55	146'Wx 177'L	25,842	SF	\$ 105.00	\$ 2,713,410.00
		Temporary Detour Bridge	32'W x 177'L	5,664	SF	\$ 75.00	\$ 424,800.00
		<b>RC Box Culverts</b>					
LLHAR 196+70		Ex. 1@10x10-155'Extension - 5'Fill - 70 Skew		155	LF	\$ 2,317.00	\$ 359,135.00
		<b>Utility Construction</b>					
		8" DIP Water Line		750	LF	\$ 107.00	\$ 80,250.00
		8" PVC Sewer Line		750	LF	\$ 33.00	\$ 24,750.00
		<b>ITS</b>					
		CCTV		2	Each	\$ 14,000.00	\$ 28,000.00
		DMSS		1	Each	\$ 175,000.00	\$ 175,000.00
		MVD		6	Each	\$ 8,000.00	\$ 48,000.00
		Misc. & Mob (15% Strs&Util)					\$ 1,512,400.00
		Misc. & Mob (45% Functional)					\$ 24,247,000.00

Lgth 4.42 Miles

Contract Cost .....	\$ 89,948,000.00
E. & C. 15% .....	\$ 13,052,000.00
<b>Construction Cost .....</b>	<b>\$ 103,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From North of US 421 to Johnston County Line  
 Typical Section Reconstruct to 8 Lanes, 26' Median w/Barrier, 12' Paved Shoulders

<b>Harnett 2</b>	<b>CONC</b>
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County: HARNETT

<b>CONSTR. COST</b>
<b>\$87,000,000</b>

Prepared By: Atkins 2/24/11  
 Requested By: Derrick Lewis 2/24/11  
 Priced By: Doug Lane 6/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	25.0	Acre	\$ 12,000.00	\$ 300,000.00
			<b><u>Earthwork</u></b>				
			Excavation	583,800	CY	\$ 4.00	\$ 2,335,200.00
			Borrow	454,700	CY	\$ 5.00	\$ 2,273,500.00
			Remove Existing Asphalt Pavement	224,500	SY	\$ 8.00	\$ 1,796,000.00
			Drainage Existing Location	4.44	Miles	\$ 450,000.00	\$ 1,998,000.00
			Fine Grading	597,600	SY	\$ 1.50	\$ 896,400.00
			Pavement Widening	680	SY	\$ 47.00	\$ 31,960.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	262,200	SY	\$ 67.00	\$ 17,567,400.00
			Temporary Pavement	76,500	SY	\$ 35.00	\$ 2,677,500.00
			Remove Temporary Pavement	76,500	SY	\$ 3.00	\$ 229,500.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	262,200	SY		\$ -
			Temporary Pavement	60,100	SY		\$ -
			Remove Temporary Pavement	60,100	SY		\$ -
			Asphalt Shoulder	136,600	SY	\$ 61.00	\$ 8,332,600.00
			New Pavement - Ramps/Loops	54,300	SY	\$ 32.00	\$ 1,737,600.00
			New Pavement - Major Y-Lines	18,450	SY	\$ 47.00	\$ 867,150.00
			New Pavement - Minor Y-Lines	0	SY	\$ 31.00	\$ -
			New Pavement - Service Roads	60,900	SY	\$ 19.00	\$ 1,157,100.00
			Pavement Resurfacing	4,650	SY	\$ 12.00	\$ 55,800.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	0	LF	\$ 15.00	\$ -
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -

North Carolina Department of Transportation  
Functional Estimate

		7" Monolithic Islands	3,100	SY	\$ 50.00	\$ 155,000.00
		Median Barrier	24,000	LF	\$ 90.00	\$ 2,160,000.00
		New Guardrail	13,150	LF	\$ 15.00	\$ 197,250.00
		Guardrail Anchors	26	Each	\$ 1,500.00	\$ 39,000.00
		New Cable Guiderail	0	LF	\$ 6.00	\$ -
		Cable Guiderail Anchors	0	Each	\$ 1,000.00	\$ -
		Woven Wire C/A Fence	52,200	LF	\$ 3.50	\$ 182,700.00
		Erosion Control	150	Acres	\$ 12,000.00	\$ 1,800,000.00
		Signing Interchanges - Minor	2	Each	\$ 340,000.00	\$ 680,000.00
		Upgrade Traffic Signal		Each		\$ -
		Traffic Signal (New)	0	Each		\$ -
		Traffic Control	4.44	Miles	\$ 400,000.00	\$ 1,776,000.00
		Thermo and Markers	4.44	Miles	\$ 35,000.00	\$ 155,400.00
		<b>Retaining Walls</b>				
		Retaining Walls	3,150	SF	\$ 70.00	\$ 220,500.00
		<b>Structures</b>				
SR 1808 Diamond	Rem Str#80 SR 1808/I-95	26'Wx 225'L	5,850	SF	\$ 15.00	\$ 87,750.00
Vert. Curve	New Str#80 SR 1808/I-95	56'Wx 270'L	15,120	SF	\$ 95.00	\$ 1,436,400.00
	Realign - Use Exist. as detour			SF		\$ -
SR 1709 Diamond	Rem Str#81 SR 1709/I-95	28'Wx 266'L	7,448	SF	\$ 15.00	\$ 111,720.00
Vert. Curve	New Str#81 SR 1709/I-95	56'Wx 303'L	16,968	SF	\$ 95.00	\$ 1,611,960.00
	Off Site Detour			SF		\$ -
	<b>RC Box Culverts</b>					
LLHAR 266+51	Ex. 1@10x10- 92' Extension - 5'Fill - 60 Skew		92	LF	\$ 2,317.00	\$ 213,164.00
LLHAR 444+33	Ex. 1@10x10- 0' Extension - 5'Fill - 85 Skew		0	LF		\$ -
	<b>Utility Construction</b>					
	8" DIP Water Line		200	LF	\$ 107.00	\$ 21,400.00
	8" PVC Sewer Line		200	LF	\$ 33.00	\$ 6,600.00
	<b>ITS</b>					
	MVD		6	Each	\$ 8,000.00	\$ 48,000.00
	Misc. & Mob (15% Strs&Util)					\$ 563,446.00
	Misc. & Mob (45% Functional)					\$ 22,230,000.00

Lgth 4.44 Miles

Contract Cost .....	\$ 75,952,000.00
E. & C. 15% .....	\$ 11,048,000.00
<b>Construction Cost .....</b>	<b>\$ 87,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From Harnett County Line to I-40  
 Typical Section Reconstruct to 8 Lanes, 26' Median w/Barrier, 12' Outside Paved Shoulders

**Johnston 1 CONC**

County: **JOHNSTON**

**CONSTR. COST**  
**\$69,000,000**

Prepared By: Atkins 3/8/11  
 Requested By: Derrick Lewis 3/8/11  
 Priced By: Doug Lane 4/29/11

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	20.0	Acre	\$ 12,000.00	\$ 240,000.00
			<b>Earthwork</b>				
			Excavation	290,900	CY	\$ 4.00	\$ 1,163,600.00
			Borrow	182,400	CY	\$ 5.00	\$ 912,000.00
			Drainage	3.56	Miles	\$ 450,000.00	\$ 1,602,000.00
			Pavement Removal (Concrete w/Asphalt Overlay)	233,600	SY	\$ 8.00	\$ 1,868,800.00
			Fine Grading	418,100	SY	\$ 1.50	\$ 627,150.00
			Pavement Widening	1,075	SY	\$ 47.00	\$ 50,525.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	194,600	SY	\$ 67.00	\$ 13,038,200.00
			Temporary Pavement	61,700	SY	\$ 35.00	\$ 2,159,500.00
			Remove Temporary Pavement	61,700	SY	\$ 3.00	\$ 185,100.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	194,600	SY		\$ -
			Temporary Pavement	48,500	SY		\$ -
			Remove Temporary Pavement	48,500	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	105,700	SY	\$ 61.00	\$ 6,447,700.00
			New Pavement - Ramps/Loops	53,450	SY	\$ 32.00	\$ 1,710,400.00
			New Pavement - Major Y-Lines	12,550	SY	\$ 47.00	\$ 589,850.00
			New Pavement - Minor Y-Lines		SY	\$ 31.00	\$ -
			New Pavement - Service Roads	17,100	SY	\$ 19.00	\$ 324,900.00
			Pavement Resurfacing	4,350	SY	\$ 12.00	\$ 52,200.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	1,425	LF	\$ 15.00	\$ 21,375.00
			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	1,850	SY	\$ 50.00	\$ 92,500.00
			Concrete Barrier	18,750	LF	\$ 90.00	\$ 1,687,500.00
			New Guardrail	550	LF	\$ 15.00	\$ 8,250.00
			Guardrail Anchors	8	Each	\$ 1,500.00	\$ 12,000.00
			New Cable Guiderail		LF	\$ 6.00	\$ -
			Cable Guiderail Anchors		Each	\$ 1,000.00	\$ -

North Carolina Department of Transportation  
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		Fencing (Woven Wire)	36,100	LF	\$ 3.50	\$ 126,350.00
		Erosion Control	110.0	Acres	\$ 12,000.00	\$ 1,320,000.00
		Signing Interchanges	1	Each	\$ 340,000.00	\$ 340,000.00
		Upgrade Traffic Signal		Each	\$ 70,000.00	\$ -
		Traffic Signal (New)	1	Each	\$ 90,000.00	\$ 90,000.00
		Traffic Control	3.56	Miles	\$ 400,000.00	\$ 1,424,000.00
		Thermo and Markers	3.56	Miles	\$ 35,000.00	\$ 124,600.00
		<b><u>Retaining Walls</u></b>				
		<b><u>Structures</u></b>				
NC 50	2Rps + 2Lps	Rem Str#51 NC 50, 242/I-95 75'W x 230'L	17,250	SF	\$ 15.00	\$ 258,750.00
	Vert. Curve	New Str#51 NC 50, 242/I-95 80'W x 415'L	33,200	SF	\$ 95.00	\$ 3,154,000.00
		<b><u>RC Box Culverts</u></b>				
Str #1		Ex. 4 @ 12x9 - 87' Extension - 5' Fill - 90 Skew	87	LF	\$ 4,414.00	\$ 384,018.00
South of I-40		Ex. 1 @ 10x10 - 7' Extension - 5' Fill - 60 Skew	7	LF	\$ 2,317.00	\$ 16,219.00
Str #6		Ex. 3 @ 8x7 - 39' Extension - 5' Fill - 90 Skew	39	LF	\$ 2,526.00	\$ 98,514.00
		<b><u>Utility Construction</u></b>				
		8" DIP Water Line	200	LF	\$ 107.00	\$ 21,400.00
		8" PVC Sewer Line	200	LF	\$ 33.00	\$ 6,600.00
		<b><u>ITS</u></b>				
		CLS	2	Each	\$ 45,000.00	\$ 90,000.00
		Urban TMC	1	LS	#####	\$ 1,511,201.00
		MVD	12	Each	\$ 8,000.00	\$ 96,000.00
		DMSS	2	Each	\$ 175,000.00	\$ 350,000.00
		CCTV	3	Each	\$ 14,000.00	\$ 42,000.00
		Misc. & Mob (15% Strs&Util)				\$ 904,798.00
		Misc. & Mob (45% Functional)				\$ 16,298,000.00

**Lgth 3.56 Miles**

<b>Contract Cost</b> .....	\$ 59,450,000.00
<b>E. &amp; C. 15%</b> .....	\$ 9,550,000.00
<b>Construction Cost</b> .....	<b>\$ 69,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From I-40 to US 70  
 Typical Section Reconstruct to 6 Lanes, 26' Median w/ Barrier, Outside 12' Paved Shoulders

**Johnston 2 CONC**

County: **JOHNSTON**

**CONSTR. COST**  
**\$288,000,000**

Prepared By: Atkins 3/8/11  
 Requested By: Derrick Lewis 3/8/11  
 Priced By: Doug Lane 4/29/11

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	180.0	Acre	\$ 12,000.00	\$ 2,160,000.00
			<b>Earthwork</b>				
			Excavation	1,308,100	CY	\$ 4.00	\$ 5,232,400.00
			Borrow	1,474,200	CY	\$ 5.00	\$ 7,371,000.00
			Drainage	15.81	Miles	\$ 400,000.00	\$ 6,324,000.00
			Pavement Removal (Concrete w/Asphalt Overlay)	857,800	SY	\$ 8.00	\$ 6,862,400.00
			Fine Grading	1,681,300	SY	\$ 1.50	\$ 2,521,950.00
			Pavement Widening	4,750	SY	\$ 47.00	\$ 223,250.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	696,200	SY	\$ 67.00	\$ 46,645,400.00
			Temporary Pavement	317,800	SY	\$ 35.00	\$ 11,123,000.00
			Remove Temporary Pavement	317,800	SY	\$ 3.00	\$ 953,400.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	696,200	SY		\$ -
			Temporary Pavement	259,800	SY		\$ -
			Remove Temporary Pavement	259,800	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	464,200	SY	\$ 61.00	\$ 28,316,200.00
			New Pavement - Ramps/Loops	154,050	SY	\$ 32.00	\$ 4,929,600.00
			New Pavement - Major Y-Lines	59,500	SY	\$ 47.00	\$ 2,796,500.00
			New Pavement - Minor Y-Lines	22,950	SY	\$ 31.00	\$ 711,450.00
			New Pavement - Service Roads	98,500	SY	\$ 19.00	\$ 1,871,500.00
			Pavement Resurfacing	11,450	SY	\$ 12.00	\$ 137,400.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	7,150	LF	\$ 15.00	\$ 107,250.00
			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	16,100	SY	\$ 50.00	\$ 805,000.00

North Carolina Department of Transportation  
Functional Estimate

		Concrete Barrier		83,550	LF	\$ 90.00	\$ 7,519,500.00
		New Guardrail		5,800	LF	\$ 15.00	\$ 87,000.00
		Guardrail Anchors		80	Each	\$ 1,500.00	\$ 120,000.00
		New Cable Guiderail			LF	\$ 6.00	\$ -
		Cable Guiderail Anchors			Each	\$ 1,000.00	\$ -
		Fencing (Woven Wire)		185,700	LF	\$ 3.50	\$ 649,950.00
		Erosion Control		530.0	Acres	\$ 12,000.00	\$ 6,360,000.00
		Signing Interchanges		5	Each	\$ 340,000.00	\$ 1,700,000.00
		Upgrade Traffic Signal			Each	\$ 70,000.00	\$ -
		Traffic Signal (New)		4	Each	\$ 90,000.00	\$ 360,000.00
		Traffic Control		15.81	Miles	\$ 400,000.00	\$ 6,324,000.00
		Thermo and Markers		15.81	Miles	\$ 25,000.00	\$ 395,250.00
		<b>Retaining Walls</b>					
		<b>Structures</b>					
SR 1171	Grd. Sep.	Rem Str#27 SR 1171/I-95	26'W x 210'L	5,460	SF	\$ 15.00	\$ 81,900.00
	Vert. Curve	New Str#27 SR 1171/I-95	40'W x 220'L	8,800	SF	\$ 95.00	\$ 836,000.00
		Realign - Use Exist. as detour					
SR 1171	Creek	Rem Str#77 SR 1171/I-95	32'W x 115'L	3,680	SF	\$ 15.00	\$ 55,200.00
	Vert. Curve	New Str#77 SR 1171/I-95	40'W x 120'L	4,800	SF	\$ 95.00	\$ 456,000.00
		Offsite Detour					
SR 1166	Grd. Sep.	Rem Str#53 SR 1166/I-95	28'W x 270'L	7,560	SF	\$ 15.00	\$ 113,400.00
	Vert. Curve	New Str#53 SR 1166/I-95	40'W x 315'L	12,600	SF	\$ 95.00	\$ 1,197,000.00
		Realign - Use Exist. as detour					
SR 1162	Grd. Sep.	Rem Str#62 SR 1162/I-95	30'W x 250'L	7,500	SF	\$ 15.00	\$ 112,500.00
	Vert. Curve	New Str#62 SR 1162/I-95	40'W x 345'L	13,800	SF	\$ 95.00	\$ 1,311,000.00
		Offsite Detour					
SR 1178	Diamond	Rem Str#76 SR 1178/I-95	50'W x 255'L	12,750	SF		\$ -
	Vert. Curve	New Str#76 SR 1178/I-95	48'W x 255'L	12,240	SF		\$ -
		Offsite Detour					
NC96	2Rps + 2Lps	Rem Str#67 NC 96, US 701/I-95	32'W x 250'L	8,000	SF	\$ 15.00	\$ 120,000.00
	Horiz. and Vert. Curve	New Str#67 NC 96, US 701/I-95	56'W x 385'L	21,560	SF	\$ 95.00	\$ 2,048,200.00
		Realign - Use Exist. as detour					
I-95	River Crossing	Rem Str#85 I-95(SB)/Rvr	32'W x 215'L	6,880	SF	\$ 15.00	\$ 103,200.00
		Rem Str#82 I-95(NB)/Rvr	32'W x 215'L	6,880	SF	\$ 15.00	\$ 103,200.00
		New Str#82/85 I-95/Rvr	122'W x 220'L	26,840	SF	\$ 90.00	\$ 2,415,600.00
		Temporary Detour Bridge	32'W x 220'L	7,040	SF	\$ 75.00	\$ 528,000.00
1	Work Bridge Only	Work Bridge	2@39'W x 220'L	17,160	SF	\$ 25.00	\$ 429,000.00
I-95	River Crossing	Rem Str#101 I-95(SB)/Rvr	32'W x 400'L	12,800	SF	\$ 15.00	\$ 192,000.00
		Rem Str#100 I-95(NB)/Rvr	32'W x 400'L	12,800	SF	\$ 15.00	\$ 192,000.00
		New Str#100/101 I-95/Rvr	122'W x 405'L	49,410	SF	\$ 90.00	\$ 4,446,900.00
		Temporary Detour Bridge	32'W x 405'L	12,960	SF	\$ 75.00	\$ 972,000.00
1	Work Bridge Only	Work Bridge	2@ 39'W x 405'L	31,590	SF	\$ 25.00	\$ 789,750.00
SR1007	2Rps + 2Lps	Rem Str#105 SR 1007/I-95	30'W x 190'L	5,700	SF	\$ 15.00	\$ 85,500.00



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Vert. Curve	New Str#105 SR 1007/I-95	56'W x 335'L	18,760	SF	\$ 95.00	\$ 1,782,200.00
US 70B Diamond+1Lp	Rem Str#66 US 70 BUS/I-95	32'W x 235'L	7,520	SF	\$ 15.00	\$ 112,800.00
Horiz. and Vert. Curve	New Str#66 US 70 BUS/I-95	68'W x 260'L	17,680	SF	\$ 95.00	\$ 1,679,600.00
US 70 Diamond+2Lp	Rem Str#42 US 70/I-95	90'W x 285'L	25,650	SF	\$ 15.00	\$ 384,750.00
Vert. Curve	New Str#42 US 70/I-95	104'W x 290'L	30,160	SF	\$ 95.00	\$ 2,865,200.00
<b><u>RC Box Culverts</u></b>						
STR#28	Str#28 Ex. 3 @ 11x9 - 68' Ext. - 5' Fill - 90 Skew		68	LF	\$ 3,237.00	\$ 220,116.00
STR#31	Str#31 Ex. 4 @ 9x12 - 57' Ext. - 5' Fill - 90 Skew		57	LF	\$ 4,091.00	\$ 233,187.00
STR#36	Str#36 Ex. 3 @ 8x7 - 27' Ext. - 5' Fill - 90 Skew		27	LF	\$ 2,526.00	\$ 68,202.00
South of SR 1162	Ex. 1 @ 10x10 - 74' Ext. - 5' Fill - 50 Skew		74	LF	\$ 2,317.00	\$ 171,458.00
North of SR 1162	Ex. 1 @ 10x10 - 91' Ext. - 5' Fill - 90 Skew		91	LF	\$ 2,317.00	\$ 210,847.00
South of SR 1007	Ex. 1 @ 10x10 - 40' Ext. - 5' Fill - 80 Skew		40	LF	\$ 2,317.00	\$ 92,680.00
<b><u>Utility Construction</u></b>						
	8" DIP Water Line		2,000	LF	\$ 107.00	\$ 214,000.00
	8" PVC Sewer Line		2,000	LF	\$ 33.00	\$ 66,000.00
<b><u>ITS</u></b>						
	CLS		2	Each	\$ 45,000.00	\$ 90,000.00
	MVD		20	Each	\$ 8,000.00	\$ 160,000.00
	DMSO		2	Each	\$ 200,000.00	\$ 400,000.00
	CCTV		4	Each	\$ 14,000.00	\$ 56,000.00
	Misc. & Mob (15% Strs&Util)					\$ 3,809,210.00
	Misc. & Mob (45% Functional)					\$ 68,673,000.00

**Lgth 15.81 Miles**

<b>Contract Cost</b> .....		\$ 250,485,000.00
<b>E. &amp; C. 15%</b> .....		\$ 37,515,000.00
<b>Construction Cost</b> .....		<b>\$ 288,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Johnston 3** **CONC** County: **JOHNSTON**  
 Route **I-95 Toll Road Study**  
 From US 70 to Wilson County Line  
 Typical Section Reconstruct to 6 Lanes, 26' Median w/Barrier, Outside 12' Paved Shoulders 2.67 Miles  
 Reconstruct to 6 Lanes, 50' Depressed Median, 12' Paved Shoulders 8.31 Miles

<b>CONSTR. COST</b>
<b>\$219,000,000</b>

Prepared By: Atkins 3/8/11  
 Requested By: Derrick Lewis 3/8/11  
 Priced By: Doug Lane 4/29/11

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	130.0	Acre	\$ 12,000.00	\$ 1,560,000.00
			<b>Earthwork</b>				
			Excavation	966,000	CY	\$ 4.00	\$ 1,163,600.00
			Borrow	1,295,400	CY	\$ 5.00	\$ 912,000.00
			Drainage	10.98	Miles	\$ 350,000.00	\$ 3,843,000.00
			Pavement Removal (Concrete w/Asphalt Overlay)	625,600	SY	\$ 8.00	\$ 5,004,800.00
			Fine Grading	1,286,700	SY	\$ 1.50	\$ 1,930,050.00
			Pavement Widening	5,750	SY	\$ 47.00	\$ 270,250.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	476,600	SY	\$ 67.00	\$ 31,932,200.00
			Temporary Pavement	279,500	SY	\$ 35.00	\$ 9,782,500.00
			Remove Temporary Pavement	279,500	SY	\$ 3.00	\$ 838,500.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	476,600	SY		\$ -
			Temporary Pavement	149,200	SY		\$ -
			Remove Temporary Pavement	129,100	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	317,800	SY	\$ 61.00	\$ 19,385,800.00
			New Pavement - Ramps/Loops	165,300	SY	\$ 32.00	\$ 5,289,600.00
			New Pavement - Major Y-Lines	32,650	SY	\$ 47.00	\$ 1,534,550.00
			New Pavement - Minor Y-Lines	22,400	SY	\$ 31.00	\$ 694,400.00
			New Pavement - Service Roads	94,050	SY	\$ 19.00	\$ 1,786,950.00
			Pavement Resurfacing	18,250	SY	\$ 12.00	\$ 219,000.00
			1'-6" Concrete Curb and Gutter		LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	6,100	LF	\$ 15.00	\$ 91,500.00

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			4" Concrete Sidewalk		SY	\$ 28.00	\$ -
			7" Monolithic Islands	15,200	SY	\$ 50.00	\$ 760,000.00
			Concrete Barrier	14,100	LF	\$ 90.00	\$ 1,269,000.00
			New Guardrail	8,863	LF	\$ 15.00	\$ 132,937.50
			Guardrail Anchors	118	Each	\$ 1,500.00	\$ 177,000.00
			New Cable Guiderail	42,250	LF	\$ 6.00	\$ 253,500.00
			Cable Guiderail Anchors	44	Each	\$ 1,000.00	\$ 44,000.00
			Fencing (Woven Wire)	132,300	LF	\$ 3.50	\$ 463,050.00
			Erosion Control	490	Acres	\$ 12,000.00	\$ 5,880,000.00
			Signing Interchanges	6	Each	\$ 340,000.00	\$ 2,040,000.00
			Upgrade Traffic Signal		Each	\$ 70,000.00	\$ -
			Traffic Signal (New)	0	Each	\$ 90,000.00	\$ -
			Traffic Control	10.98	Miles	\$ 400,000.00	\$ 4,392,000.00
			Thermo and Markers	10.98	Miles	\$ 25,000.00	\$ 274,500.00
			<b>Retaining Walls</b>				
			<b>Structures</b>				
I-95 over RR		Rem Str#107 I-95(SB)/SR 1927, RR	44'W x 405'L	17,820	SF	\$ 15.00	\$ 267,300.00
2Rps. + 2Lps.		Rem Str#106 I-95(NB)/SR 1927, RR	44'W x 405'L	17,820	SF	\$ 15.00	\$ 267,300.00
Vert. Curve		New Str#106/107 I-95/SR 1927, RR	146'W x 405'L	59,130	SF	\$ 100.00	\$ 5,913,000.00
		Temporary Detour Bridge	32'W x 405'L	12,960	SF	\$ 75.00	\$ 972,000.00
SR 1001 Grade Sep.		Rem Str#108 SR 1001/I-95	30'W x 240'L	7,200	SF	\$ 15.00	\$ 108,000.00
Vert. Curve		New Str#108 SR 1001/I-95	40'W x 295'L	11,800	SF	\$ 95.00	\$ 1,121,000.00
		Offsite Detour					
SR2137 2Rps+2Lps		Rem Str#109 SR 2137/I-95	30'W x 205'L	6,150	SF	\$ 15.00	\$ 92,250.00
Vert. Curve		New Str#109 SR 2137/I-95	56'W x 350'L	19,600	SF	\$ 95.00	\$ 1,862,000.00
		Offsite Detour					
SR2130 Diamond		Rem Str#110 SR 2130/I-95	30'W x 180'L	5,400	SF	\$ 15.00	\$ 81,000.00
Vert. Curve		New Str#110 SR 2130/I-95	56'W x 235'L	13,160	SF	\$ 95.00	\$ 1,250,200.00
		Offsite Detour					
SR2141 Grade Sep.		Rem Str#111 SR 2141/I-95	26'W x 210'L	5,460	SF	\$ 15.00	\$ 81,900.00
Vert. Curve		New Str#111 SR 2141/I-95	40'W x 240'L	9,600	SF	\$ 95.00	\$ 912,000.00
SR2339 2Rps+2Lps		Rem Str#112 SR 2339/I-95	30'W x 180'L	5,400	SF	\$ 15.00	\$ 81,000.00
Vert. Curve		New Str#112 SR 2339/I-95	56'W x 300'L	16,800	SF	\$ 95.00	\$ 1,596,000.00
I-95 at River		Rem Str#116 I-95(SB)/Rvr	32'W x 265'L	8,480	SF	\$ 15.00	\$ 127,200.00
		New Str#116 I-95(SB)/Rvr	60'W x 245'L	14,700	SF	\$ 90.00	\$ 1,323,000.00
		Temporary Detour Bridge	32'W x 245'L	7,840	SF	\$ 75.00	\$ 588,000.00
		Work Bridge	1 @ 39'W x 245'L	9,555	SF	\$ 25.00	\$ 238,875.00

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I-95 at River	Rem Str#114 I-95(NB)/Rvr	32'W x 280'L	8,960	SF	\$ 15.00	\$ 134,400.00
	New Str#114 I-95(NB)/Rvr	60'W x 235'L	14,100	SF	\$ 90.00	\$ 1,269,000.00
	Temporary Detour Bridge	32'W x 235'L	7,520	SF	\$ 75.00	\$ 564,000.00
	Work Bridge	1 @ 39'W x 235'L	9,165	SF	\$ 25.00	\$ 229,125.00
SR2399 Diamond	Rem Str#117 SR 2399/I-95	28'W x 230'L	6,440	SF	\$ 15.00	\$ 96,600.00
Vert. Curve	New Str#117 SR 2399/I-95	56'W x 250'L	14,000	SF	\$ 95.00	\$ 1,330,000.00
	Offsite Detour					
I-95 at RR	Rem Str#119 I-95(SB)/RR	30'W x 240'L	7,200	SF	\$ 15.00	\$ 108,000.00
Vert. Curve	New Str#119 I-95(SB)/RR	60'W x 265'L	15,900	SF	\$ 95.00	\$ 1,510,500.00
	Temporary Detour Bridge	32'W x 265'L	8,480	SF	\$ 75.00	\$ 636,000.00
I-95 at RR	Rem Str#118 I-95(NB)/RR	30'W x 235'L	7,050	SF	\$ 15.00	\$ 105,750.00
Vert. Curve	New Str#118 I-95(NB)/RR	60'W x 265'L	60,265	SF	\$ 95.00	\$ 5,725,175.00
New at RR	New Bridge US 301 Ramp over RR	24'W x 275'L	6,600	SF	\$ 95.00	\$ 627,000.00
I-95 3Rps+1Lp	Rem Str#122 I-95/US 301	110'W x 235'L	25,850	SF	\$ 15.00	\$ 387,750.00
	New Str#122-SB I-95(SB)/US 301	72'W x 235'L	16,920	SF	\$ 95.00	\$ 1,607,400.00
	New Str#122-NB I-95(NB)/US 301	60'W x 235'L	14,100	SF	\$ 95.00	\$ 1,339,500.00
	Temporary Detour Bridge	32'W x 235'L	7,520	SF	\$ 75.00	\$ 564,000.00
NC 222 Grade Sep.	Rem Str#121 NC 222/I-95	40'W x 460'L	18,400	SF	\$ 15.00	\$ 276,000.00
Vert. Curve	New Str#121 NC 222/I-95	40'W x 405'L	16,200	SF	\$ 100.00	\$ 1,620,000.00
	<b>RC Box Culverts</b>					
South of SR 1927	Ex. 1 @ 10x10 - 27' Ext - 5' Fill - 75 Skew		27	LF	\$ 2,317.00	\$ 62,559.00
North of SR 1927	Ex. 1 @ 10x10 - 56' Ext - 5' Fill - 90 Skew		56	LF	\$ 2,317.00	\$ 129,752.00
North of SR 1001	Ex. 1 @ 10x10 - 130' Ext - 5' Fill - 75 Skew		130	LF	\$ 2,317.00	\$ 301,210.00
Str #529	Ex. 2 @ 11x8 - 220' Ext - 5' Fill - 80 Skew		220	LF	\$ 1,857.00	\$ 408,540.00
South of SR 2339	Ex. 1 @ 10x10 - 117' Ext - 5' Fill - 60 Skew		117	LF	\$ 2,317.00	\$ 271,089.00
South of RR Xing	Ex. 1 @ 10x10 - 68' Ext - 5' Fill - 75 Skew		68	LF	\$ 2,317.00	\$ 157,556.00
	<b>Utility Construction</b>					
	8" DIP Water Line		1,500	LF	\$ 107.00	\$ 160,500.00
	8" PVC Sewer Line		1,500	LF	\$ 33.00	\$ 49,500.00
	<b>ITS</b>					
	CLS		2	Each	\$ 45,000.00	\$ 90,000.00
	MVD		18	Each	\$ 8,000.00	\$ 144,000.00
	DMSO		2	Each	\$ 200,000.00	\$ 400,000.00
	CCTV		2	Each	\$ 14,000.00	\$ 28,000.00
	Misc. & Mob (15% Strs&Util)					\$ 5,582,381.50
	Misc. & Mob (45% Functional)					\$ 45,866,000.00

Lgth 10.98 Miles

<b>Contract Cost</b> .....		\$ 190,588,000.00
<b>E. &amp; C. 15%</b> .....		\$ 28,412,000.00
<b>Construction Cost</b> .....		<b>\$ 219,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Wilson 1** **CONC** County: **WILSON**  
 Route **I-95 Toll Road Study**  
 From Johnston County Line to North of SR 1001 **CONSTR. COST**  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders **\$195,000,000**

Prepared By: Atkins 3/4/11  
 Requested By: Derrick Lewis 3/4/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	240.0	Acre	\$ 12,000.00	\$ 2,880,000.00
			<b>Earthwork</b>				
			Excavation	1,243,200	CY	\$ 4.00	\$ 4,972,800.00
			Borrow	318,300	CY	\$ 5.00	\$ 1,591,500.00
			Remove Existing Conc (W/Asph OL)	539,400	SY	\$ 8.00	\$ 4,315,200.00
			Drainage Existing Location	11.84	Miles	\$ 300,000.00	\$ 3,552,000.00
			Fine Grading	1,044,700	SY	\$ 1.50	\$ 1,567,050.00
			Pavement Widening (Major Y-Lines)	3,975	SY	\$ 47.00	\$ 186,825.00
			<b>**** Alternate 1 ****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	522,700	SY	\$ 67.00	\$ 35,020,900.00
			Temporary Pavement	226,800	SY	\$ 35.00	\$ 7,938,000.00
			Remove Temporary Pavement	226,800	SY	\$ 3.00	\$ 680,400.00
			<b>***//OR//***</b>				
			<b>**** Alternate 2 ****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"119.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	522,700	SY		\$ -
			Temporary Pavement	52,600	SY		\$ -
			Remove Temporary Pavement	23,550	SY		\$ -
			Asphalt Shoulder	348,500	SY	\$ 61.00	\$ 21,258,500.00
			New Pavement - Ramps/Loops	43,050	SY	\$ 32.00	\$ 1,377,600.00
			New Pavement - Major Y-Lines	15,750	SY	\$ 47.00	\$ 740,250.00
			New Pavement - Minor Y-Lines	30,950	SY	\$ 31.00	\$ 959,450.00
			New Pavement - Service Roads	3,575	SY	\$ 19.00	\$ 67,925.00
			Pavement Resurfacing (Major Y-Lines)	14,750	SY	\$ 12.00	\$ 177,000.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	0	LF	\$ 15.00	\$ -
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	3,700	SY	\$ 50.00	\$ 185,000.00
			Median Barrier	0	LF		\$ -
			New Guardrail	5,150	LF	\$ 15.00	\$ 77,250.00
			Guardrail Anchors	72	Each	\$ 1,500.00	\$ 108,000.00
			New Cable Guiderail	20,250	LF	\$ 6.00	\$ 121,500.00
			Cable Guiderail Anchors	25	Each	\$ 1,000.00	\$ 25,000.00
			Woven Wire C/A Fence	135,000	LF	\$ 3.50	\$ 472,500.00
			Erosion Control	650.0	Acres	\$ 12,000.00	\$ 7,800,000.00
			Signing Interchanges - Minor	1.0	Each	\$ 340,000.00	\$ 340,000.00
			Upgrade Traffic Signal		Each		\$ -
			Traffic Signal (New)	2	Each	\$ 90,000.00	\$ 180,000.00
			Traffic Control	11.84	Miles	\$ 400,000.00	\$ 4,736,000.00
			Thermo and Markers	11.84	Miles	\$ 25,000.00	\$ 296,000.00
			<b>Retaining Walls</b>				
SR 1116			Walls at End Bents 2@ 145L X 15H	1,070	SF	\$ 90.00	\$ 96,300.00
NC 42			Walls at End Bents 2@ 175L X 15H	1,130	SF	\$ 90.00	\$ 101,700.00
SR 1001			Walls at End Bents 2@ 155L X 15H	1,090	SF	\$ 90.00	\$ 98,100.00

North Carolina Department of Transportation  
Functional Estimate

<b>Structures</b>							
NC 581	Rem Str#15 NC 581/I-95	36'Wx 358'L	12,877	SF	\$ 15.00	\$ 193,155.00	
Hor./Vert. Curve	New Str#15 NC 581/I-95	40'Wx 306'L	12,222	SF	\$ 95.00	\$ 1,161,090.00	
	Off Site Detour						
SR 1118	Rem Str#32 SR 1118/I-95	34'Wx 478'L	16,266	SF	\$ 15.00	\$ 243,990.00	
Vert. Curve	New Str#32 SR 1118/I-95	40'Wx 478'L	19,126	SF	\$ 95.00	\$ 1,816,970.00	
	Off Site Detour						
SR 1116	Rem Str#39 SR 1116/I-95	36'Wx 392'L	14,128	SF	\$ 15.00	\$ 211,920.00	
Vert. Curve	New Str#39 SR 1116/I-95	40'Wx 285'L	11,397	SF	\$ 95.00	\$ 1,082,715.00	
	Off Site Detour						
	Rem Str#73 I-95(NB)/Water	40'Wx 289'L	11,553	SF	\$ 15.00	\$ 173,295.00	
	Rem Str#74 I-95(SB)/Water	40'Wx 282'L	11,261	SF	\$ 15.00	\$ 168,915.00	
Vert. Curve	New Str#73 I-95(NB)/Water	60'Wx 314'L	18,859	SF	\$ 90.00	\$ 1,697,310.00	
	New Str#74 I-95(SB)/Water	60'Wx 309'L	18,566	SF	\$ 90.00	\$ 1,670,940.00	
	Temporary Detour Bridge	32'W x 314'L	10,058	SF	\$ 75.00	\$ 754,350.00	
	Work Bridge	2 @ 39'W x 314' L	24,516	SF	\$ 25.00	\$ 612,900.00	
NC 42	Rem Str#41 NC 42/I-95	60'Wx 357'L	21,415	SF	\$ 15.00	\$ 321,225.00	
Vert. Curve	New Str#41 NC 42/I-95	80'Wx 313'L	25,051	SF	\$ 95.00	\$ 2,379,845.00	
	Realign - Use Exist. as detour						
SR 1154	Rem Str#84 SR 1154/I-95	32'Wx 277'L	8,856	SF	\$ 15.00	\$ 132,840.00	
Hor./Vert. Curve	New Str#84 SR 1154/I-95	40'Wx 298'L	11,921	SF	\$ 100.00	\$ 1,192,100.00	
	Off Site Detour						
SR 1136	Rem Str#85 SR 1136/I-95	28'Wx 470'L	13,159	SF	\$ 15.00	\$ 197,385.00	
Vert. Curve	New Str#85 SR 1136/I-95	40'Wx 497'L	18,798	SF	\$ 95.00	\$ 1,785,810.00	
	Off Site Detour						
SR 1001	Rem Str#90 SR 1001/I-95	40'Wx 334'L	13,369	SF	\$ 15.00	\$ 200,535.00	
Vert. Curve	New Str#90 SR 1001/I-95	40'Wx 337'L	13,481	SF	\$ 95.00	\$ 1,280,695.00	
	Off Site Detour						
<b>RC Box Culverts</b>							
LLWIL 32+10	Ex. 1@10x10 - 0'Ext. - 5'Fill - 70 Skew			LF		\$ -	
LLWIL 50+31	Ex. 1@10x10 - 0' Ext. - 5'Fill - 90 Skew			LF		\$ -	
LLWIL 72+35	Ex. 1@10x10 - 20' Ext. - 5'Fill - 60 Skew	20		LF	\$ 2,317.00	\$ 46,340.00	
South of NC 581	Ex. 1@10x10 - 20' Ext. - 5'Fill - 70 Skew	20		LF	\$ 2,317.00	\$ 46,340.00	
North of NC 581	Ex. 1@10x10 - 23' Ext. - 5'Fill - 70 Skew	23		LF	\$ 2,317.00	\$ 53,291.00	
South of SR 1118	Ex. 1@10x10 - 20' Ext. - 5'Fill - 70 Skew	20		LF	\$ 2,317.00	\$ 46,340.00	
South of NC 42	Str #82 Ex. 2@9x8 - 185' Ext. - 5'Fill - 70 Skew	185		LF	\$ 2,654.00	\$ 490,990.00	
North of SR 1154	Ex. 1@10x10 - 56' Ext. - 5'Fill - 70 Skew	56		LF	\$ 2,317.00	\$ 129,752.00	
LLWIL 562+00	Ex. 1@10x10 - 0' Ext. - 5'Fill - 45 Skew	0		LF	\$ 2,317.00	\$ -	
South of SR 1136	Ex. 1@10x10 - 50' Ext. - 5'Fill - 60 Skew	50		LF	\$ 2,317.00	\$ 115,850.00	
North of US 264	Ex. 1@10x10 - 20' Ext. - 5'Fill - 90 Skew	20		LF	\$ 2,317.00	\$ 46,340.00	
NC 42	Ex. 2@9x8 - 140' Ext. - 5'Fill - 90 Skew	140		LF	\$ 2,654.00	\$ 371,560.00	
	in series with Str#82						
Near NC 42	Ex. 2@9x8 - 102' Ext. - 5'Fill - 90 Skew	102		LF	\$ 2,654.00	\$ 270,708.00	
	in series with Str#82						
<b>Utility Construction</b>							
	8" DIP Water Line		1,000	LF	\$ 107.00	\$ 107,000.00	
	8" PVC Sewer Line		1,000	LF	\$ 33.00	\$ 33,000.00	
<b>ITS</b>							
	MVD		12	Each	\$ 8,000.00	\$ 96,000.00	
	DMSS		1	Each	\$ 175,000.00	\$ 175,000.00	
	CCTV		3	Each	\$ 14,000.00	\$ 42,000.00	
	Misc. & Mob (15% Strs&Util)					\$ 2,946,754.00	
	Misc. & Mob (45% Functional)					\$ 45,732,000.00	

Lgth 11.84 Miles

<b>Contract Cost</b> .....	\$ 169,950,000.00
<b>E. &amp; C. 15%</b> .....	\$ 25,050,000.00
<b>Construction Cost</b> .....	<b>\$ 195,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From North of SR 1001 to Nash County Line  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders

<b>Wilson 2</b>	<b>CONC</b>
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County: **WILSON**

<b>CONSTR. COST</b>
<b>\$90,000,000</b>

Prepared By: Atkins 3/4/11  
 Requested By: Derrick Lewis 3/4/11  
 Priced By: Doug Lane 5/2/11

**Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	120.0	Acre	\$ 12,000.00	\$ 1,440,000.00
			<b>Earthwork</b>				
			Excavation	488,100	CY	\$ 4.00	\$ 1,952,400.00
			Borrow	342,900	CY	\$ 5.00	\$ 1,714,500.00
			Remove Existing Conc (W/Asph OL)	218,300	SY	\$ 8.00	\$ 1,746,400.00
			Drainage Existing Location	4.57	Miles	\$ 300,000.00	\$ 1,371,000.00
			Fine Grading	461,200	SY	\$ 1.50	\$ 691,800.00
			Pavement Widening	2,550	SY	\$ 47.00	\$ 119,850.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	200,400	SY	\$ 67.00	\$ 13,426,800.00
			Temporary Pavement	125,000	SY	\$ 35.00	\$ 4,375,000.00
			Remove Temporary Pavement	125,000	SY	\$ 3.00	\$ 375,000.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	200,400	SY		\$ -
			Temporary Pavement	58,200	SY		\$ -
			Remove Temporary Pavement	47,050	SY		\$ -
			Asphalt Shoulder	133,600	SY	\$ 61.00	\$ 8,149,600.00
			New Pavement - Ramps/Loops	49,400	SY	\$ 32.00	\$ 1,580,800.00
			New Pavement - Major Y-Lines	8,650	SY	\$ 47.00	\$ 406,550.00
			New Pavement - Minor Y-Lines	14,550	SY	\$ 31.00	\$ 451,050.00
			New Pavement - Service Roads	0	SY	\$ 19.00	\$ -
			Pavement Resurfacing	23,050	SY	\$ 12.00	\$ 276,600.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	2,350	LF	\$ 15.00	\$ 35,250.00
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	5,350	SY	\$ 50.00	\$ 267,500.00
			Median Barrier	0	LF		\$ -
			New Guardrail	4,775	LF	\$ 15.00	\$ 71,625.00
			Guardrail Anchors	64	Each	\$ 1,500.00	\$ 96,000.00
			New Cable Guiderail	6,750	LF	\$ 6.00	\$ 40,500.00
			Cable Guiderail Anchors	12	Each	\$ 1,000.00	\$ 12,000.00

North Carolina Department of Transportation  
Functional Estimate

		Woven Wire C/A Fence	52,350	LF	\$ 3.50	\$ 183,225.00
		Erosion Control	260.0	Acres	\$ 12,000.00	\$ 3,120,000.00
		Signing Interchanges - Minor	1	Each	\$ 340,000.00	\$ 340,000.00
		Upgrade Traffic Signal		Each		\$ -
		Traffic Signal (New)	2	Each	\$ 90,000.00	\$ 180,000.00
		Traffic Control	4.57	Miles	\$ 400,000.00	\$ 1,828,000.00
		Thermo and Markers	4.57	Miles	\$ 25,000.00	\$ 114,250.00
		<b>Retaining Walls</b>				
US 264 Alt.		Walls at End Bents 2@ 195'L X 15'H	1,170	SF	\$ 90.00	\$ 105,300.00
		<b>Structures</b>				
RR Crossing		Rem Str#99 I-95(NB)/RR 42'Wx 117'L	4,909	SF	\$ 15.00	\$ 73,635.00
Grd Sep.		Rem Str#109 I-95(SB)/RR 42'Wx 119'L	4,993	SF	\$ 15.00	\$ 74,895.00
	Vert. Curve	New Str#99 I-95(NB)/RR 60'Wx 140'L	8,412	SF	\$ 95.00	\$ 799,140.00
	Hor./Vert. Curve	New Str#109 I-95(SB)/RR 60'Wx 141'L	8,433	SF	\$ 100.00	\$ 843,300.00
		Temporary Detour Bridge 32'W x 140'L	4,486	SF	\$ 75.00	\$ 336,450.00
US 264 Alt.		Rem Str#12 Raleigh Rd Pkwy/I-95 112'Wx 227'L	25,371	SF	\$ 15.00	\$ 380,565.00
	4Rps +2Lps	New Str#12 Raleigh Rd Pkwy/I-95 132'Wx 276'L	36,400	SF	\$ 105.00	\$ 3,822,000.00
	Vert. Curve	Phased Construction				
River Crossing		Rem Str#107 I-95(NB)/Water 50'Wx 108'L	5,396	SF	\$ 15.00	\$ 80,940.00
	Grd Sep.	Rem Str#108 I-95(SB)/Water 42'Wx 106'L	4,450	SF	\$ 15.00	\$ 66,750.00
	Vert. Curve	New Str#107 I-95(NB)/Water 72'Wx 134'L	9,678	SF	\$ 90.00	\$ 871,020.00
	Vert. Curve	New Str#108 I-95(SB)/Water 60'Wx 134'L	8,065	SF	\$ 90.00	\$ 725,850.00
		Temporary Detour Bridge 32'W x 134'L	4,301	SF	\$ 75.00	\$ 322,575.00
		Work Bridge 2 @ 39'W x 134'L	10,452	SF	\$ 25.00	\$ 261,300.00
Grd Sep.		New Str. I-95 CD/Ramp(SB)@Water 30'Wx 134'L	4,032	SF	\$ 90.00	\$ 362,880.00
	Vert. Curve	Work Bridge 1 @ 39'W x 134'L	5,226	SF	\$ 25.00	\$ 130,650.00
Grd Sep.		Rem Str#110 SR 1309/I-95 36'Wx 237'L	8,526	SF	\$ 15.00	\$ 127,890.00
	Vert. Curve	New Str#110 SR 1309/I-95 40'Wx 274'L	10,956	SF	\$ 95.00	\$ 1,040,820.00
		Realign - Use Exist. as detour				
Grd Sep.		Rem Str#111 SR 1313/I-95 34'Wx 218'L	7,416	SF	\$ 15.00	\$ 111,240.00
	Vert. Curve	New Str#111 SR 1313/I-95 40'Wx 232'L	9,280	SF	\$ 95.00	\$ 881,600.00
		Realign - Use Exist. as detour				
		<b>RC Box Culverts</b>				
		<b>Utility Construction</b>				
		8" DIP Water Line	500	LF	\$ 107.00	\$ 53,500.00
		8" PVC Sewer Line	500	LF	\$ 33.00	\$ 16,500.00
		<b>ITS</b>				
		MVD	5	Each	\$ 8,000.00	\$ 40,000.00
		DMSS	1	Each	\$ 175,000.00	\$ 175,000.00
		CCTV	1	Each	\$ 14,000.00	\$ 14,000.00
		Misc. & Mob (15% Strs&Util)				\$ 1,757,500.00
		Misc. & Mob (45% Functional)				\$ 19,965,000.00

Lgth 4.57 Miles

<b>Contract Cost</b> .....	<b>\$ 77,806,000.00</b>
<b>E. &amp; C. 15%</b> .....	<b>\$ 12,194,000.00</b>
<b>Construction Cost</b> .....	<b>\$ 90,000,000.00</b>



North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From Wilson County Line to South of SR 1604  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders

<b>Nash 1</b>	<b>CONC</b>
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County:           NASH          

<b>CONSTR. COST</b>
<b>\$249,000,000</b>

Prepared By: Atkins 3/9/11  
 Requested By: Derrick Lewis 3/9/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	340.0	Acre	\$ 12,000.00	\$ 4,080,000.00
			<b>Earthwork</b>				
			Excavation	1,291,100	CY	\$ 4.00	\$ 5,164,400.00
			Borrow	484,500	CY	\$ 5.00	\$ 2,422,500.00
			Remove Existing Conc (W/Asph OL)	674,500	SY	\$ 8.00	\$ 5,396,000.00
			Drainage Existing Location	14.47	Miles	\$ 300,000.00	\$ 4,341,000.00
			Fine Grading	1,270,000	SY	\$ 1.50	\$ 1,905,000.00
			Pavement Widening (Major Y-Lines)	1,770	SY	\$ 47.00	\$ 83,190.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	632,000	SY	\$ 67.00	\$ 42,344,000.00
			Temporary Pavement	363,400	SY	\$ 35.00	\$ 12,719,000.00
			Remove Temporary Pavement	363,400	SY	\$ 3.00	\$ 1,090,200.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	632,000	SY		\$ -
			Temporary Pavement	152,800	SY		\$ -
			Remove Temporary Pavement	117,600	SY		\$ -
			Asphalt Shoulder	421,400	SY	\$ 61.00	\$ 25,705,400.00
			New Pavement - Ramps/Loops	57,800	SY	\$ 32.00	\$ 1,849,600.00
			New Pavement - Major Y-Lines	16,450	SY	\$ 47.00	\$ 773,150.00
			New Pavement - Minor Y-Lines	29,600	SY	\$ 31.00	\$ 917,600.00
			New Pavement - Service Roads	0	SY	\$ 19.00	\$ -
			Pavement Resurfacing (Major Y-Lines)	14,100	SY	\$ 12.00	\$ 169,200.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	0	LF	\$ 15.00	\$ -
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -

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			7" Monolithic Islands	3,600	SY	\$ 50.00	\$ 180,000.00
			Median Barrier	0	LF	\$ 90.00	\$ -
			New Guardrail	10,250	LF	\$ 15.00	\$ 153,750.00
			Guardrail Anchors	136	Each	\$ 1,500.00	\$ 204,000.00
			New Cable Guiderail	31,596	LF	\$ 6.00	\$ 189,576.00
			Cable Guiderail Anchors	44	Each	\$ 1,000.00	\$ 44,000.00
			Woven Wire C/A Fence	170,500	LF	\$ 3.50	\$ 596,750.00
			Erosion Control	650.0	Acres	\$ 12,000.00	\$ 7,800,000.00
			Signing Interchanges - Minor	2	Each	\$ 340,000.00	\$ 680,000.00
			Upgrade Traffic Signal		Each	\$ 70,000.00	\$ -
			Traffic Signal (New)	0	Each	\$ 90,000.00	\$ -
			Traffic Control	14.47	Miles	\$ 400,000.00	\$ 5,788,000.00
			Thermo and Markers	14.47	Miles	\$ 25,000.00	\$ 361,750.00
			<b>Retaining Walls</b>				
			<b>Structures</b>				
I-95 over Creek		Rem Str#9 I-95(NB)/Creek	40'Wx 165'L	6,739	SF	\$ 15.00	\$ 101,085.00
		Rem Str#12 I-95(SB)/Creek	40'Wx 156'L	6,241	SF	\$ 15.00	\$ 93,615.00
Vert. Curve		New Str#9 I-95(NB)/Creek	60'Wx 198'L	11,900	SF	\$ 90.00	\$ 1,071,000.00
Hor./Vert. Curve		New Str#12 I-95(SB)/Creek	60'Wx 199'L	11,964	SF	\$ 100.00	\$ 1,196,400.00
		Temporary Detour Bridge	32'W x 199'L	6,380	SF	\$ 75.00	\$ 478,500.00
		Work Bridge	2 @ 39'W x 199' L	15,550	SF	\$ 25.00	\$ 388,750.00
NC 97 Diamond		Rem Str#50 NC 97/I-95	58'Wx 227'L	13,189	SF	\$ 15.00	\$ 197,835.00
Vert. Curve		New Str#50 NC 97/I-95	56'Wx 234'L	13,121	SF	\$ 95.00	\$ 1,246,495.00
		Off Site Detour					
I-95 over River		Rem Str#21 I-95(NB)/River	42'Wx 260'L	10,938	SF	\$ 15.00	\$ 164,070.00
		Rem Str#22 I-95(SB)/River	42'Wx 262'L	10,999	SF	\$ 15.00	\$ 164,985.00
Hor./Vert. Curve		New Str#21 I-95(NB)/River	60'Wx 260'L	15,626	SF	\$ 100.00	\$ 1,562,600.00
Vert. Curve		New Str#22 I-95(SB)/River	60'Wx 262'L	15,713	SF	\$ 90.00	\$ 1,414,170.00
		Temporary Detour Bridge	32'W x 262'L	8,380	SF	\$ 75.00	\$ 628,500.00
		Work Bridge	2 @ 39'W x 262' L	20,427	SF	\$ 25.00	\$ 510,675.00
SR 1745 Gr. Sep.		Rem Str#105 SR 1745/I-95	36'Wx 437'L	15,730	SF	\$ 15.00	\$ 235,950.00
Vert. Curve		New Str#105 SR 1745/I-95	40'Wx 362'L	14,492	SF	\$ 95.00	\$ 1,376,740.00
		Off Site Detour					
NC 58 Gr. Sep.		Rem Str#54 NC 58/I-95	42'Wx 404'L	16,988	SF	\$ 15.00	\$ 254,820.00
Vert. Curve		New Str#54 NC 58/I-95	40'Wx 276'L	11,030	SF	\$ 95.00	\$ 1,047,850.00
		Realign - Use Exist. as detour					
I-95 over Creek		Rem Str#128 I-95(NB)/Creek	42'Wx 156'L	6,538	SF	\$ 15.00	\$ 98,070.00
		Rem Str#133 I-95(SB)/Creek	54'Wx 155'L	8,384	SF	\$ 15.00	\$ 125,760.00
Vert. Curve		New Str#128 I-95(NB)/Creek	60'Wx 196'L	11,763	SF	\$ 90.00	\$ 1,058,670.00
Vert. Curve		New Str#133 I-95(SB)/Creek	72'Wx 196'L	14,126	SF	\$ 90.00	\$ 1,271,340.00
		Temporary Detour Bridge	32'W x 196'L	6,277	SF	\$ 75.00	\$ 470,775.00

North Carolina Department of Transportation  
Functional Estimate

		Work Bridge	2 @ 39'W x 196' L	15,300	SF	\$ 25.00	\$ 382,500.00
SR 1717	Diamond	Rem Str#164 SR 1717/I-95	60'Wx 352'L	21,140	SF	\$ 15.00	\$ 317,100.00
	Vert. Curve	New Str#164 SR 1717/I-95	56'Wx 247'L	13,833	SF	\$ 95.00	\$ 1,314,135.00
		Realign - Use Exist. as detour					
SR 1703	Gr. Sep.	Rem Str#170 SR 1703/I-95	32'Wx 481'L	15,405	SF	\$ 15.00	\$ 231,075.00
	Hor./Vert. Curve	New Str#170 SR 1703/I-95	40'Wx 283'L	11,320	SF	\$ 95.00	\$ 1,075,400.00
		Off Site Detour					
SR 1603	Gr. Sep.	Rem Str#177 SR 1603/I-95	36'Wx 439'L	15,818	SF	\$ 15.00	\$ 237,270.00
	Vert. Curve	New Str#177 SR 1603/I-95	40'Wx 315'L	12,590	SF	\$ 95.00	\$ 1,196,050.00
		Off Site Detour					
SR 1700	Gr. Sep.	Rem Str#183 SR 1700/I-95	42'Wx 341'L	14,318	SF	\$ 15.00	\$ 214,770.00
	Vert. Curve	New Str#183 SR 1700/I-95	40'Wx 261'L	10,457	SF	\$ 95.00	\$ 993,415.00
		Realign - Use Exist. as detour					
I-95 over Railroad		Rem Str#190 I-95(NB)/Railroad	42'Wx 153'L	6,422	SF	\$ 15.00	\$ 96,330.00
		Rem Str#192 I-95(SB)/Railroad	42'Wx 158'L	6,618	SF	\$ 15.00	\$ 99,270.00
	Vert. Curve	New Str#190 I-95(NB)/Railroad	60'Wx 196'L	11,771	SF	\$ 95.00	\$ 1,118,245.00
	Vert. Curve	New Str#192 I-95(SB)/Railroad	Varies x 190'L	17,890	SF	\$ 95.00	\$ 1,699,550.00
		Temporary Detour Bridge	32'W x 190'L	6,074	SF	\$ 75.00	\$ 455,550.00
I-95 over Creek		Rem Str#201 I-95(NB)/Creek	75'W(Var.) x 201'L	14,111	SF	\$ 15.00	\$ 211,665.00
		Rem Str#202 I-95(SB)/Creek	62'W(Var.) x 202'L	11,775	SF	\$ 15.00	\$ 176,625.00
	Vert. Curve	New Str#201 I-95(NB)/Creek	96'W(Var.) x 247'L	22,949	SF	\$ 90.00	\$ 2,065,410.00
	Hor./Vert. Curve	New Str#202 I-95(SB)/Creek	95'W(Var.) x 246'L	21,712	SF	\$ 100.00	\$ 2,171,200.00
		Temporary Detour Bridge	32'W x 244'L	7,806	SF	\$ 75.00	\$ 585,450.00
		Work Bridge	2 @ 39'W x 244' L	19,028	SF	\$ 25.00	\$ 475,700.00
		<b>RC Box Culverts</b>					
North of SR 1717		Ex. 1@10x10 - 16' Ext. - 5'Fill - 90 Skew		16	LF	\$ 2,317.00	\$ 37,072.00
South of SR 1603		Ex. 1@10x10 - 6' Ext. - 5'Fill - 60 Skew		6	LF	\$ 2,317.00	\$ 13,902.00
North of SR 1700		Ex. 1@10x10 - 30' Ext. - 5'Fill - 90 Skew		30	LF	\$ 2,317.00	\$ 69,510.00
South of SR 1770		Ex. 1@10x10 - 12' Ext. - 5'Fill - 80/65 Skew		12	LF	\$ 2,317.00	\$ 27,804.00
		<b>Utility Construction</b>					
		8" DIP Water Line		1,000	LF	\$ 107.00	\$ 107,000.00
		8"PVC Sewer Line		1,000	LF	\$ 33.00	\$ 33,000.00
		<b>ITS</b>					
		MVD		5	Each	\$ 8,000.00	\$ 40,000.00
		DMSS		1	Each	\$ 175,000.00	\$ 175,000.00
		CCTV		1	Each	\$ 14,000.00	\$ 14,000.00
		Misc. & Mob (15% Strs&Util)					\$ 4,618,281.00
		Misc. & Mob (45% Functional)					\$ 56,231,000.00

Lgth 14.47 Miles

<b>Contract Cost</b> .....	<b>\$ 216,600,000.00</b>
<b>E. &amp; C. 15%</b> .....	<b>\$ 32,400,000.00</b>
<b>Construction Cost</b> .....	<b>\$ 249,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From South of SR 1604 to Halifax County Line  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders

<b>Nash 2</b>	<b>CONC</b>
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County: NASH

<b>CONSTR. COST</b>
<b>\$206,000,000</b>

Prepared By: Atkins 3/9/11  
 Requested By: Derrick Lewis 3/9/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	220.0	Acre	\$ 12,000.00	\$ 2,640,000.00
			<b>Earthwork</b>				
			Excavation	1,341,500	CY	\$ 4.00	\$ 5,366,000.00
			Borrow	788,700	CY	\$ 5.00	\$ 3,943,500.00
			Remove Existing Conc (W/Asph OL)	576,400	SY	\$ 8.00	\$ 4,611,200.00
			Drainage Existing Location	11.79	Miles	\$ 300,000.00	\$ 3,537,000.00
			Fine Grading	1,138,300	SY	\$ 1.50	\$ 1,707,450.00
			Pavement Widening	5,050	SY	\$ 47.00	\$ 237,350.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	519,200	SY	\$ 67.00	\$ 34,786,400.00
			Temporary Pavement	225,500	SY	\$ 35.00	\$ 7,892,500.00
			Remove Temporary Pavement	225,500	SY	\$ 3.00	\$ 676,500.00
			<b>****//OR//****</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	519,200	SY		\$ -
			Temporary Pavement	52,400	SY		\$ -
			Remove Temporary Pavement	23,550	SY		\$ -
			Asphalt Shoulder	346,200	SY	\$ 61.00	\$ 21,118,200.00
			New Pavement - Ramps/Loops	103,400	SY	\$ 32.00	\$ 3,308,800.00
			New Pavement - Major Y-Lines	15,450	SY	\$ 47.00	\$ 726,150.00
			New Pavement - Minor Y-Lines	37,050	SY	\$ 31.00	\$ 1,148,550.00
			New Pavement - Service Roads	2,900	SY	\$ 19.00	\$ 55,100.00
			Pavement Resurfacing	17,900	SY	\$ 12.00	\$ 214,800.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	2,300	LF	\$ 15.00	\$ 34,500.00
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -



North Carolina Department of Transportation  
Functional Estimate

SR 1510 Gr. Sep.	Rem Str#224 SR 1510/I-95	28'Wx 251'L	7,028	SF	\$ 15.00	\$ 105,420.00
Vert. Curve	New Str#224 SR 1510/I-95	40'Wx 262'L	10,478	SF	\$ 95.00	\$ 995,410.00
	Off-site Detour					
NC 4 Gr. Sep.	Rem Str#98 NC 4/NC 48/I-95	32'Wx 355'L	11,368	SF	\$ 15.00	\$ 170,520.00
Vert. Curve	New Str#98 NC 4/NC 48/I-95	40'Wx 245'L	9,816	SF	\$ 95.00	\$ 932,520.00
	Realign - Use Exist. as detour					
SR 1515 Gr. Sep.	Rem Str#225 SR 1515/I-95	28'Wx 309'L	8,649	SF	\$ 15.00	\$ 129,735.00
Vert. Curve	New Str#225 SR 1515/I-95	40'Wx 309'L	12,356	SF	\$ 95.00	\$ 1,173,820.00
	Off-site Detour					
NC 33 2Rp+2Lp	Rem Str#41 NC 33/I-95	44'Wx 225'L	9,900	SF	\$ 15.00	\$ 148,500.00
Vert. Curve	New Str#41 NC 33/I-95	56'Wx 261'L	14,617	SF	\$ 95.00	\$ 1,388,615.00
	Realign - Use Exist. as detour					
	<b><u>RC Box Culverts</u></b>					
North of SR 1604	Ex. 1@10x10 - 59' Ext - 5'Fill - 70/50 Skew		59	LF	\$ 2,317.00	\$ 136,703.00
Str# C226	Ex. 3@10x11 - 111' Ext - 5'Fill - 80 Skew		111	LF	\$ 3,072.00	\$ 340,992.00
South of NC 4/48	Ex. 1@10x10 - 30' Ext - 5'Fill - 85 Skew		30	LF	\$ 2,317.00	\$ 69,510.00
South of NC 4/48	Ex. 1@10x10 - 30' Ext - 5'Fill - 55 Skew		30	LF	\$ 2,317.00	\$ 69,510.00
North of NC 4/48	Ex. 1@10x10 - 30' Ext - 5'Fill - 55 Skew		30	LF	\$ 2,317.00	\$ 69,510.00
	<b><u>Utility Construction</u></b>					
	8' DIP Water Line		1,000	LF	\$ 107.00	\$ 107,000.00
	8" PVC Sewer Line		1,000	LF	\$ 33.00	\$ 33,000.00
	<b><u>ITS</u></b>					
	MVD		42	Each	\$ 8,000.00	\$ 336,000.00
	DMSS		2	Each	\$ 175,000.00	\$ 350,000.00
	CCTV		3	Each	\$ 14,000.00	\$ 42,000.00
	Misc. & Mob (15% Strs&Util)					\$ 3,323,718.00
	Misc. & Mob (45% Functional)					\$ 47,596,000.00

Lgth 11.79 Miles

	<b>Contract Cost</b> .....	\$ 178,847,000.00
	<b>E. &amp; C. 15%</b> .....	\$ 27,153,000.00
	<b>Construction Cost</b> .....	<b>\$ 206,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Halifax 1** **CONC** County: **HALIFAX**  
 Route **I-95 Toll Road Study**  
 From Nash County Line to North of NC 561 **CONSTR. COST**  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders **\$164,000,000**

Prepared By: Atkins 2/22/11  
 Requested By: Derrick Lewis, PE 2/9/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	125	Acre	\$ 12,000.00	\$ 1,500,000.00
			<b>Earthwork</b>				
			Excavation	971,500	CY	\$ 4.00	\$ 3,886,000.00
			Borrow	481,100	CY	\$ 5.00	\$ 2,405,500.00
			Drainage Existing Location	10.0	Miles	\$ 300,000.00	\$ 2,985,000.00
			Remove Existing Conc (W/Asph OL)	494,100	SY	\$ 8.00	\$ 3,952,800.00
			Fine Grading	946,100	SY	\$ 1.50	\$ 1,419,150.00
			Pavement Widening	2,575	SY	\$ 47.00	\$ 121,025.00
			<b>**** Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	440,400	SY	\$ 67.00	\$ 29,506,800.00
			Temporary Pavement	241,900	SY	\$ 35.00	\$ 8,466,500.00
			Remove Temporary Pavement	241,900	SY	\$ 3.00	\$ 725,700.00
			<b>****OR****</b>				
			<b>**** Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	440,400	SY		\$ -
			Temporary Pavement	95,100	SY		\$ -
			Remove Temporary Pavement	70,600	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	293,600	SY	\$ 61.00	\$ 17,909,600.00
			New Pavement - Ramps/Loops	56,500	SY	\$ 32.00	\$ 1,808,000.00
			New Pavement - Major Y-Lines	19,450	SY	\$ 47.00	\$ 914,150.00
			New Pavement - Minor Y-Lines	25,700	SY	\$ 31.00	\$ 796,700.00
			New Pavement - Service Roads	9,250	SY	\$ 19.00	\$ 175,750.00
			Pavement Resurfacing	7,950	SY	\$ 12.00	\$ 95,400.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	0	LF	\$ 15.00	\$ -
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	4,480	SY	\$ 50.00	\$ 224,000.00
			New Guardrail	3,925	LF	\$ 15.00	\$ 58,875.00
			Guardrail Anchors	56	Each	\$ 1,500.00	\$ 84,000.00
			New Cable Guiderail	39,086	LF	\$ 6.00	\$ 234,516.00
			Cable Guiderail Anchors	40	Each	\$ 1,000.00	\$ 40,000.00
			Fencing (Woven Wire)	112,800	LF	\$ 3.50	\$ 394,800.00
			Erosion Control	380	Acres	\$ 12,000.00	\$ 4,560,000.00
			Signing Interchanges	2	Each	\$ 340,000.00	\$ 680,000.00
			Upgrade Traffic Signal	0	Each		\$ -

North Carolina Department of Transportation  
Functional Estimate

		Traffic Signal (New)	0	Each		\$ -
		Traffic Control	9.95	Miles	\$ 400,000.00	\$ 3,980,000.00
		Thermo and Markers	9.95	Miles	\$ 25,000.00	\$ 248,750.00
		<b>Retaining Walls</b>				
		<b>Structures</b>				
		Rem Str#13 I-95(SB)/Rvr 45'Wx 290'L	13,046	SF	\$ 14.00	\$ 182,644.00
	Vert. Curve	New Str#13 I-95(SB)/Rvr 60'Wx290'L	17,396	SF	\$ 90.00	\$ 1,565,640.00
		Temporary Detour Bridge 32'W x 290'L	9,277	SF	\$ 75.00	\$ 695,775.00
		Work Bridge 1 @ 39'W x 290' L	11,307	SF	\$ 25.00	\$ 282,675.00
		Rem Str#12 I-95(NB)/Rvr 39'Wx 248'L	9,662	SF	\$ 15.00	\$ 144,930.00
	Vert. Curve	New Str#12 I-95(NB)/Rvr 72'Wx 248'L	17,837	SF	\$ 90.00	\$ 1,605,330.00
		Temporary Detour Bridge 32'W x 290'L	0	SF	\$ 75.00	\$ -
		Work Bridge 1 @ 39'W x 290' L	11,307	SF	\$ 25.00	\$ 282,675.00
		Rem Str#55 SR 1226/I-95 24'Wx 220'L	5,287	SF	\$ 15.00	\$ 79,305.00
	Vert. Curve	New Str#55 SR 1226/I-95 40'Wx 275'L	11,002	SF	\$ 95.00	\$ 1,045,190.00
		Rem Str#49 NC 481/I-95 31'Wx 287'L	8,904	SF	\$ 15.00	\$ 133,560.00
	Vert. Curve	New Str#49 NC 481/I-95 56'Wx 282'L	15,772	SF	\$ 95.00	\$ 1,498,340.00
		Rem Str#67 SR 1002/I-95 31'Wx 222'L	6,868	SF	\$ 15.00	\$ 103,020.00
	Vert. Curve	New Str#67 SR 1002/I-95 40'Wx 235'L	9,420	SF	\$ 95.00	\$ 894,900.00
		Rem Str#79 SR 1211/I-95 26'Wx 230'L	5,989	SF	\$ 15.00	\$ 89,835.00
	Vert. Curve	New Str#79 SR 1211/I-95 40'Wx 248'L	9,931	SF	\$ 95.00	\$ 943,445.00
		Rem Str#88 SR 1210/I-95 28'Wx 235'L	6,765	SF	\$ 15.00	\$ 101,475.00
	Vert. Curve	New Str#88 SR 1210/I-95 40'Wx 251'L	10,035	SF	\$ 95.00	\$ 953,325.00
		Rem Str#64 NC 561/I-95 28'Wx 270'L	7,456	SF	\$ 15.00	\$ 111,840.00
	Vert. Curve	New Str#64 NC 561/I-95 56'Wx 288'L	16,113	SF	\$ 95.00	\$ 1,530,735.00
		<b>RC Box Culverts</b>				
	Str#C60	Ex. 4@12x14 - 92'Ext - 5'Fill - 85 Skew	92	LF	\$ 5,017.00	\$ 461,564.00
		Ex. 1@10x10 - 50'Ext - 5'Fill - 95 Skew	50	LF	\$ 2,317.00	\$ 115,850.00
		Ex. 1@10x10 - 43'Ext - 5'Fill - 90 Skew	43	LF	\$ 2,317.00	\$ 99,631.00
		Ex. 1@10x10 - 15'Ext - 5'Fill - 80 Skew	15	LF	\$ 2,317.00	\$ 34,755.00
	Str#C70	Ex. 2@10x10 - 40'Ext - 5'Fill - 80 Skew	40	LF	\$ 3,410.00	\$ 136,400.00
		Ex. 1@10x10 - 42'Ext - 5'Fill - 90 Skew	42	LF	\$ 2,317.00	\$ 97,314.00
		Ex. 1@10x10 - 0' Ext - 5'Fill - 55 Skew	0	LF		\$ -
	Str#C89	Ex. 3@8x9 - 40' Ext - 5' Fill - 75 Skew	40	LF	\$ 3,016.00	\$ 120,640.00
		Ex. 1@10x10 - 48'Ext - 5'Fill - 55 Skew	48	LF	\$ 2,317.00	\$ 111,216.00
	Str#C90	Ex. 3@10x6 - 65' Ext - 5' Fill - 75 Skew	65	LF	\$ 3,012.00	\$ 195,780.00
		<b>Utility Construction</b>				
		8' DIP Water Line	1,000	LF	\$ 107.00	\$ 107,000.00
		8" PVC Sewer Line	1,000	LF	\$ 33.00	\$ 33,000.00
		<b>ITS</b>				
		DMSS	1	Each	\$ 175,000.00	\$ 175,000.00
		MVD	38	Each	\$ 8,000.00	\$ 304,000.00
		CCTV	2	Each	\$ 14,000.00	\$ 28,000.00
		Misc. & Mob (15% Strs&Util)				\$ 2,139,195.00
		Misc. & Mob (45% Functional)				\$ 39,228,000.00

Lgth 9.95 Miles

<b>Contract Cost</b> .....	\$ 142,805,000.00
<b>E. &amp; C. 15%</b> .....	\$ 21,195,000.00
<b>Construction Cost</b> .....	<b>\$ 164,000,000.00</b>



North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From North of NC 561 to North of US 158  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders

**Halifax 2** **CONC**

County: **HALIFAX**

<b>CONSTR. COST</b>
<b>\$205,000,000</b>

Prepared By: Atkins 2/22/11  
 Requested By: Derrick Lewis, PE 2/9/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	165	Acre	\$ 12,000.00	\$ 1,980,000.00
			<b><u>Earthwork</u></b>				
			Excavation	1,237,700	CY	\$ 4.00	\$ 4,950,800.00
			Borrow	713,400	CY	\$ 5.00	\$ 3,567,000.00
			Drainage Existing Location	12.41	Miles	\$ 300,000.00	\$ 3,723,000.00
			Pavement Removal	626,200	SY	\$ 8.00	\$ 5,009,600.00
			Fine Grading	1,163,300	SY	\$ 1.50	\$ 1,744,950.00
			Pavement Widening	5,150	SY	\$ 47.00	\$ 242,050.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	546,800	SY	\$ 67.00	\$ 36,635,600.00
			Temporary Pavement	259,700	SY	\$ 35.00	\$ 9,089,500.00
			Remove Temporary Pavement	259,700	SY	\$ 3.00	\$ 779,100.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	546,800	SY		\$ -
			Temporary Pavement	77,500	SY		\$ -
			Remove Temporary Pavement	47,050	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	364,600	SY	\$ 61.00	\$ 22,240,600.00
			New Pavement - Ramps/Loops	75,400	SY	\$ 32.00	\$ 2,412,800.00
			New Pavement - Major Y-Lines	28,550	SY	\$ 47.00	\$ 1,341,850.00
			New Pavement - Minor Y-Lines	26,150	SY	\$ 31.00	\$ 810,650.00
			New Pavement - Service Roads	7,250	SY	\$ 19.00	\$ 137,750.00
			Pavement Resurfacing	13,700	SY	\$ 12.00	\$ 164,400.00
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	0	LF	\$ 15.00	\$ -
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	5,450	SY	\$ 50.00	\$ 272,500.00



North Carolina Department of Transportation  
Functional Estimate

	Str. #132					
	Rem Str I-95(SB)/SR 1742 & RR 56'Wx 195	10,897	SF	\$ 15.00	\$ 163,455.00	
Vert. Curve	New Str I-95(SB)/SR 1742 & RR 60'Wx 218	13,097	SF	\$ 95.00	\$ 1,244,215.00	
	Temporary Detour Bridge 32'W x219'L	7,009	SF	\$ 75.00	\$ 525,675.00	
	Str. #131					
	Rem Str I-95(NB)/SR 1742 & RR 56'Wx 195	10,943	SF	\$ 15.00	\$ 164,145.00	
Vert. Curve	New Str I-95(NB)/SR 1742 & RR 60'Wx 219	13,131	SF	\$ 95.00	\$ 1,247,445.00	
	Temporary Detour Bridge 32'W x219'L	0	SF	\$ 75.00	\$ -	
	<b>RC Box Culverts</b>					
	Ex. 1@10x10-44' Ext-5'Fill- 70Skew	44	LF	\$ 2,317.00	\$ 101,948.00	
	Ex. 1@10x10-22' Ext-5'Fill-90 Skew	22	LF	\$ 2,317.00	\$ 50,974.00	
	Ex. 1@10x10-30' Ext-5'Fill-70 Skew	30	LF	\$ 2,317.00	\$ 69,510.00	
	Ex. 1@10x10-44' Ext-5'Fill-80 Skew	44	LF	\$ 2,317.00	\$ 101,948.00	
	Ex. 1@10x10-56' Ext-5'Fill-90 Skew	56	LF	\$ 2,317.00	\$ 129,752.00	
	Ex. 1@10x10-39' Ext-5'Fill-90 Skew	39	LF	\$ 2,317.00	\$ 90,363.00	
	Ex. 1@10x10-30' Ext-5'Fill-50 Skew	30	LF	\$ 2,317.00	\$ 69,510.00	
Str#C103	Ex. 2 @12x12-76' Ext-5'Fill-50 Skew	76	LF	\$ 3,475.00	\$ 264,100.00	
	Ex. 1@10x10-30' Ext-5'Fill-45 Skew	30	LF	\$ 2,317.00	\$ 69,510.00	
Str#C104	Ex. 3@11x11 -40' Ext-5'Fill-70 Skew	40	LF	\$ 4,510.00	\$ 180,400.00	
Str#C108	Ex. 4@10x10 - 59' Ext -5'Fill-90 Skew	59	LF	\$ 3,939.00	\$ 232,401.00	
Str#C111	Ex. 3@10x6 -114' Ext-5'Fill-75 Skew	114	LF	\$ 2,397.00	\$ 273,258.00	
	Ex. 1@10x10-15' Ext-5'Fill-55 Skew	15	LF	\$ 2,317.00	\$ 34,755.00	
Str#C118	Ex. 4@11x9 -96'Ext-5'Fill-70 Skew	96	LF	\$ 3,711.00	\$ 356,256.00	
	<b>Utility Construction</b>					
	8' DIP Water Line	1,000	LF	\$ 107.00	\$ 107,000.00	
	8" PVC Sewer Line	1,000	LF	\$ 33.00	\$ 33,000.00	
	<b>ITS</b>					
	DMSS	1	Each	\$ 175,000.00	\$ 175,000.00	
	MVD	28	Each	\$ 8,000.00	\$ 224,000.00	
	CCTV	3	Each	\$ 14,000.00	\$ 42,000.00	
	Misc. & Mob (15% Strs&Util)				\$ 2,691,387.00	
	Misc. & Mob (45% Functional)				\$ 48,789,000.00	

Lgth 12.41 Miles

<b>Contract Cost</b> .....	<b>\$ 177,841,000.00</b>
<b>E. &amp; C. 15%</b> .....	<b>\$ 27,159,000.00</b>
<b>Construction Cost</b> .....	<b>\$ 205,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133** **Halifax 3** **CONC**  
 Route **I-95 Toll Road Study**  
 From North of US 158 to Northampton County Line  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed Median, 12' Paved Shoulders

County: **HALIFAX**

<b>CONSTR. COST</b>
<b>\$23,000,000</b>

Prepared By: Atkins 2/22/11  
 Requested By: Derrick Lewis, PE 2/9/11  
 Priced By: Doug Lane 5/2/11 **Added Utility Construction**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	6	Acre	\$ 12,000.00	\$ 72,000.00
			<b>Earthwork</b>				
			Excavation	36,200	CY	\$ 4.00	\$ 144,800.00
			Borrow	17,225	CY	\$ 5.00	\$ 86,125.00
			Drainage Existing Location	0.62	Miles	\$ 300,000.00	\$ 186,000.00
			Remove Ex Conc Pavement (W/Asph OL)	27,600	SY	\$ 8.00	\$ 220,800.00
			Fine Grading	46,350	SY	\$ 1.50	\$ 69,525.00
			Pavement Widening	0	SY	\$ 47.00	\$ -
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline 13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	26,100	SY	\$ 67.00	\$ 1,748,700.00
			Temporary Pavement	33,700	SY	\$ 35.00	\$ 1,179,500.00
			Remove Temporary Pavement	33,700	SY	\$ 3.00	\$ 101,100.00
			<b>***//OR//***</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	26,100	SY		\$ -
			Temporary Pavement	25,000	SY		\$ -
			Remove Temporary Pavement	23,550	SY		\$ -
			Asphalt Shoulder 3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC	17,400	SY	\$ 61.00	\$ 1,061,400.00
			New Pavement - Ramps/Loops	0	SY		\$ -
			New Pavement - Major Y-Lines	0	SY		\$ -
			New Pavement - Minor Y-Lines	0	SY		\$ -
			New Pavement - Service Roads	0	SY		\$ -
			Pavement Resurfacing	0	SY		\$ -
			1'-6" Concrete Curb and Gutter	0	LF		\$ -
			2'-6" Concrete Curb and Gutter	0	LF		\$ -
			4" Concrete Sidewalk	0	SY		\$ -
			7" Monolithic Islands	0	SY		\$ -

North Carolina Department of Transportation  
Functional Estimate

			New Guardrail	1,225	LF	\$ 15.00	\$ 18,375.00
			Guardrail Anchors	16	Each	\$ 1,500.00	\$ 24,000.00
			New Cable Guiderail	3,111	LF	\$ 6.00	\$ 18,666.00
			Cable Guiderail Anchors	4	Each	\$ 1,000.00	\$ 4,000.00
			Fencing (Woven Wire)	6,925	LF	\$ 3.50	\$ 24,237.50
			Erosion Control	20	Acres	\$ 12,000.00	\$ 240,000.00
			Signing Interchanges	0	Each		\$ -
			Upgrade Traffic Signal	0	Each		\$ -
			Traffic Signal (New)	0	Each		\$ -
			Traffic Control	0.62	Miles	\$ 400,000.00	\$ 248,000.00
			Thermo and Markers	0.62	Miles	\$ 25,000.00	\$ 15,500.00
			<b><u>Retaining Walls</u></b>				
			<b><u>Structures</u></b>				
			Str #141				
			Rem Ex. I-95(SB)/RoanRvr 50'Wx 571'L	28,555	SF	\$ 15.00	\$ 428,325.00
		Vert. Curve	New Str. I-95(SB)/RoanRvr 60'Wx 572'L	34,320	SF	\$ 90.00	\$ 3,088,800.00
			Temporary Detour Bridge 32'W x 572'L	18,304	SF	\$ 75.00	\$ 1,372,800.00
			Work Bridge 1 @ 39'W x 572' L	22,308	SF	\$ 25.00	\$ 557,700.00
			Str #139				
			Rem Ex. I-95(NB)/RoanRvr 50'Wx 572'L	28,588	SF	\$ 15.00	\$ 428,820.00
		Vert. Curve	New Str. I-95(NB)/RoanRvr 60'Wx 572'L	34,268	SF	\$ 90.00	\$ 3,084,120.00
			Temporary Detour Bridge 32'W x 572'L	0	SF	\$ 75.00	\$ -
			Work Bridge 1 @ 39'W x 572' L	22,308	SF	\$ 25.00	\$ 557,700.00
							\$ -
			<b><u>RC Box Culverts</u></b>				
					LF		\$ -
			<b><u>Utility Construction</u></b>				
			8' DIP Water Line	500	LF	\$ 107.00	\$ 53,500.00
			8" PVC Sewer Line	500	LF	\$ 33.00	\$ 16,500.00
			<b><u>ITS</u></b>				
			CLS	2	Each	\$ 45,000.00	\$ 90,000.00
			DMSS	2	Each	\$ 175,000.00	\$ 350,000.00
			MVD	4	Each	\$ 8,000.00	\$ 32,000.00
			CCTV	1	Each	\$ 14,000.00	\$ 14,000.00
			Misc. & Mob (15% Strs&Util)				\$ 1,511,006.50
			Misc. & Mob (45% Functional)				\$ 2,458,000.00

Lgth 0.62 Miles

	Contract Cost .....		\$ 19,506,000.00
	E. & C. 15% .....		\$ 3,494,000.00
	Construction Cost .....		<b>\$ 23,000,000.00</b>

North Carolina Department of Transportation  
Functional Estimate

TIP No. **I-5133**  
 Route **I-95 Toll Road Study**  
 From Halifax County Line to Virginia State Line  
 Typical Section Reconstruct to 6 Lanes, 50' Depressed and Spread Median, 12' Paved Shoulders

**N'hampton 1 CONC**

County: **NORTHAMPTON**

<b>CONSTR. COST</b>
<b>\$147,000,000</b>

Prepared By: Atkins 2/15/11  
 Requested By: Derrick Lewis 2/15/11  
 Prepared By: Doug Lane 4/20/11 **Revised Quantities**

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
			Clearing and Grubbing	140.0	Acre	\$ 12,000.00	\$ 1,680,000.00
			<b>Earthwork</b>				
			Excavation	683,800	CY	\$ 4.00	\$ 2,735,200.00
			Borrow	736,700	CY	\$ 5.00	\$ 3,683,500.00
			Remove Existing Conc (W/Asph OL)	368,800	SY	\$ 8.00	\$ 2,950,400.00
			Drainage Existing Location	7.49	Miles	\$ 300,000.00	\$ 2,247,000.00
			Fine Grading	704,500	SY	\$ 1.50	\$ 1,056,750.00
			Pavement Widening	4,550	SY	\$ 47.00	\$ 213,850.00
			<b>****Alternate 1****</b>				
			Concrete Pavement Design - Mainline				
			13.5" Jointed, 3" PADL, 1.25" SF9.5A				
			New Mainline Pavement Area	328,700	SY	\$ 67.00	\$ 22,022,900.00
			Temporary Pavement	148,700	SY	\$ 35.00	\$ 5,204,500.00
			Remove Temporary Pavement	148,700	SY	\$ 3.00	\$ 446,100.00
			<b>****OR****</b>				
			<b>****Alternate 2****</b>				
			Asphalt Pavement Design - Mainline				
			3"S9.5D, 3"I19.0D, 8.5"B25.0C, 10" ABC				
			New Mainline Pavement Area	328,700.0	SY		\$ -
			Temporary Pavement	41,400	SY		\$ -
			Remove Temporary Pavement	23,550	SY		\$ -
			Asphalt Shoulder (W / Conc & Asph Alts)	201,900	SY	\$ 61.00	\$ 12,315,900.00
			New Pavement - Ramps/Loops	57,100	SY	\$ 32.00	\$ 1,827,200.00
			New Pavement - Major Y-Lines	35,050	SY	\$ 47.00	\$ 1,647,350.00
			New Pavement - Minor Y-Lines	10,850	SY	\$ 31.00	\$ 336,350.00
			New Pavement - Service Roads	9,050	SY	\$ 19.00	\$ 171,950.00
			Pavement Resurfacing	11,700	SY	\$ 12.00	\$ 140,400.00
<b>Delete</b>			Subgrade Stabilization	661,200	SY		\$ -
			1'-6" Concrete Curb and Gutter	0	LF	\$ 11.00	\$ -
			2'-6" Concrete Curb and Gutter	750	LF	\$ 15.00	\$ 11,250.00
			4" Concrete Sidewalk	0	SY	\$ 28.00	\$ -
			7" Monolithic Islands	6,200	SY	\$ 50.00	\$ 310,000.00
			New Guardrail	3,325	LF	\$ 15.00	\$ 49,875.00
			Guardrail Anchors	48	Each	\$ 1,500.00	\$ 72,000.00
			New Cable Guiderail	29,780	LF	\$ 6.00	\$ 178,680.00
			Cable Guiderail Anchors	36	Each	\$ 1,000.00	\$ 36,000.00
			Woven Wire C/A Fence	86,000	LF	\$ 3.50	\$ 301,000.00
			Erosion Control	270.0	Acres	\$ 12,000.00	\$ 3,240,000.00
			Signing Interchanges (Diamond)	2.0	Each	\$ 340,000.00	\$ 680,000.00

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Functional Estimate

		Upgrade Traffic Signal	0	Each		\$ -
		Traffic Signal (New)	2	Each	\$ 90,000.00	\$ 180,000.00
		Traffic Control	7.49	Miles	\$ 400,000.00	\$ 2,996,000.00
		Thermo and Markers	7.49	Miles	\$ 25,000.00	\$ 187,250.00
		<b>Retaining Walls</b>				
		<b>Structures</b>				
		Rem Str#11 I-95(SB)/RoanRvr50'Wx 1137'L	56,828.0	SF	\$ 15.00	\$ 852,420.00
	Vert. Curve	New Str#11 (SB)/RoanRvr 60'Wx 1133'L	67,951.0	SF	\$ 90.00	\$ 6,115,590.00
		Temporary Detour Bridge 32'W x 1133'L	36,240.0	SF	\$ 75.00	\$ 2,718,000.00
		Work Bridge 1 @ 39'W x 1133' L	44,187.0	SF	\$ 25.00	\$ 1,104,675.00
		Rem Str#9 (NB)/Roanoke Rvr 50'Wx 1136'L	56,787.0	SF	\$ 15.00	\$ 851,805.00
	Vert. Curve	New Str#9 (NB)/Roanoke Rvr 60'Wx 1134'L	68,053.0	SF	\$ 90.00	\$ 6,124,770.00
		Temporary Detour Bridge 32'W x 1133'L	0.0	SF		\$ -
		Work Bridge 1 @ 39'W x 1133' L	44,187.0	SF	\$ 25.00	\$ 1,104,675.00
		Rem Str#41 NC 46/I-95 34'Wx 329'L	11,176.0	SF	\$ 15.00	\$ 167,640.00
	Hor./Vert. Curve	New Str#41 NC 46/I-95 84'Wx 271'L	22,791.0	SF	\$ 95.00	\$ 2,165,145.00
		Realign - Use Exist. as detour				
		Rem Str#55 SR 1202/I-95 24'Wx 292'L	7,014.0	SF	\$ 15.00	\$ 105,210.00
	Vert. Curve	New Str#55 SR 1202/I-95 36'Wx 245'L	8,830.0	SF	\$ 95.00	\$ 838,850.00
		Off Site Detour				
		Rem Str#70 SR 1201/I-95 28'Wx 222'L	6,219.0	SF	\$ 15.00	\$ 93,285.00
	Vert. Curve	New Str#70 SR 1201/I-95 36'Wx 264'L	9,506.0	SF	\$ 95.00	\$ 903,070.00
		Realign - Use Exist. as detour				
		Rem Str#43 NC 48/I-95 34'Wx 329'L	11,176.0	SF	\$ 15.00	\$ 167,640.00
	Hor./Vert. Curve	New Str#43 NC 48/I-95 84'Wx 271'L	22,791.0	SF	\$ 95.00	\$ 2,165,145.00
		Realign - Use Exist. as detour				
		<b>RC Box Culverts</b>				
		North of NC 46 Ex. 1@10x10-24'Extension-4'Fill-90 Skew	24	LF	\$ 2,317.00	\$ 55,608.00
		North of SR1201 Ex. 1@10x10-30'Extension-4'Fill-70 Skew	30	LF	\$ 2,385.00	\$ 71,550.00
		South of NC 48 Ex. 1@10x10-30'Extension-4'Fill-85 Skew	30	LF	\$ 2,317.00	\$ 69,510.00
		<b>Utility Construction</b>				
		Relocate Existing 8"DIP Water Line	500	LF	\$ 107.00	\$ 53,500.00
		Relocate Existing 8"PVC Sewer Line	500	LF	\$ 33.00	\$ 16,500.00
		<b>ITS</b>				
		RWIS	1	LS	\$ 350,000.00	\$ 350,000.00
		MVD	8	Each	\$ 8,000.00	\$ 64,000.00
		DMSS	2	Each	\$ 175,000.00	\$ 350,000.00
		CCTV	1	Each	\$ 14,000.00	\$ 14,000.00
		Misc. & Mob (15% Strs&Util)				\$ 3,978,007.00
		Misc. & Mob (45% Functional)				\$ 30,115,000.00

Lgth 7.49 Miles

<b>Contract Cost</b> .....		\$ 127,537,000.00
<b>E. &amp; C. 15%</b> .....		\$ 19,463,000.00
<b>Construction Cost</b> .....		<b>\$ 147,000,000.00</b>

## UTILITY ESTIMATE WORKSHEET

TIP No: I-5133  
 WBS Element No: 45154.1.1  
 State Project No:  
 Fed. Project No:  
 County: Cumberland  
 Description: I-95 Phase I coorditor From the South Carolina Line to the Virginia State Line

### Field Inspection - Evidence of Utilities

Gas: Yes      Electric: Yes      Telephone: Yes      CATV: Yes  
 Water: Yes      Sewer: Yes      Drainage: No      Other: No

### Anticipated Relocation

Gas: No      Electric: No      Telephone: No      CATV: No  
 Water: No      Sewer: No      Drainage: No      Other: No

<b>Summary:</b> I-95 From Northampton Co to the Va. Line State Border			
<b>Requesting Party:</b> Derrick Lewis, PE			
<b>Estimate Date:</b> February 10, 2011			
Relocation Totals	Construction Total	Alternate Totals	
Power Poles: \$409,600.00	Power Poles:	<b>Relocation Total</b>	<b>\$547,700.00</b>
Power Items:	Power Items:	<b>Construction Total</b>	<b>\$70,000.00</b>
Telephone Poles \$89,600.00	Telephone Poles	<b>Alternate Total</b>	<b>\$617,700.00</b>
Telephone Items	Telephone Items		
Gas Line: \$48,500.00	Gas Line:		
Gas Items:	Gas Items:		
Water Line:	Water Line: \$53,500.00		
Water Items:	Water Items:		
Sewer Line:	Sewer Line: \$16,500.00		
Sewer Items:	Sewer Items:		
Misc. Items:	Misc. Items:		



**Summary:** I-95 from Harnett Co. to Johnston Co Line

**Requesting Party:** Derrick Lewis,PE

**Estimate Date:** February 10, 2011

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$512,000.00	Power Poles:		<b>Relocation Total</b>	<b>\$692,270.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$105,000.00</b>
Telephone Poles	\$107,520.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$797,270.00</b>
Gas Line:	\$72,750.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$80,250.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$24,750.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** WIL (1) Johnston Co Line To US 264

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$614,400.00	Power Poles:		<b>Relocation Total</b>	<b>\$818,920.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$140,000.00</b>
Telephone Poles	\$107,520.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$958,920.00</b>
Gas Line:	\$97,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$107,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$33,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** WIL (2) US 264 to Nash Co Line

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$409,600.00	Power Poles:		<b>Relocation Total</b>	<b>\$529,780.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$70,000.00</b>
Telephone Poles	\$71,680.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$599,780.00</b>
Gas Line:	\$48,500.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$53,500.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$16,500.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** ROB (1) South Carolina Line to US 74

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$768,000.00	Power Poles:		<b>Relocation Total</b>	<b>\$1,008,360.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$140,000.00</b>
Telephone Poles	\$143,360.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,148,360.00</b>
Gas Line:	\$97,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$107,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$33,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** ROB (2) US 74 to NC 20

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$921,600.00	Power Poles:		<b>Relocation Total</b>	<b>\$1,208,980.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$182,000.00</b>
Telephone Poles	\$161,280.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,390,980.00</b>
Gas Line:	\$126,100.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$139,100.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$42,900.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** NAS-1 (Wilson Co Line to US 64)

**Requesting Party:** Derrick Lewis

**Estimate Date:** March 28, 2011

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$665,600.00	Power Poles:		<b>Relocation Total</b>	<b>\$888,040.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$140,000.00</b>
Telephone Poles	\$125,440.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,028,040.00</b>
Gas Line:	\$97,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$107,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$33,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** Nas 2 (US 64 to Halifax Co Line)

**Requesting Party:** Derrick Lewis

**Estimate Date:** March 28, 2011

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$665,600.00	Power Poles:		<b>Relocation Total</b>	<b>\$888,040.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$140,000.00</b>
Telephone Poles	\$125,440.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,028,040.00</b>
Gas Line:	\$97,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$107,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$33,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** HAL 1 (Nash Co Line to NC 561)

**Requesting Party:** Derrick Lewis

**Estimate Date:** March 28, 2011

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$665,600.00	Power Poles:		<b>Relocation Total</b>	<b>\$888,040.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$140,000.00</b>
Telephone Poles	\$125,440.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,028,040.00</b>
Gas Line:	\$97,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$107,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$33,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** HAL 2 (NC 561 to US 158)  
**Requesting Party:** Derrick Lewis  
**Estimate Date:** March 28, 2011

Relocation Totals		Construction Total		Alternate Totals	
Power Poles:	\$665,600.00	Power Poles:		<b>Relocation Total</b>	<b>\$888,040.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$140,000.00</b>
Telephone Poles	\$125,440.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,028,040.00</b>
Gas Line:	\$97,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$107,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$33,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** HAL 3 (US 158 to Northampton Co.)  
**Requesting Party:** Derrick Lewis  
**Estimate Date:** March 28, 2011

Relocation Totals		Construction Total		Alternate Totals	
Power Poles:	\$204,800.00	Power Poles:		<b>Relocation Total</b>	<b>\$324,980.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$70,000.00</b>
Telephone Poles	\$71,680.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$394,980.00</b>
Gas Line:	\$48,500.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$53,500.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$16,500.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** (JON 1) Harnett Co Line to I-40

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$102,400.00	Power Poles:		<b>Relocation Total</b>	<b>\$157,640.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$28,000.00</b>
Telephone Poles	\$35,840.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$185,640.00</b>
Gas Line:	\$19,400.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$21,400.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$6,600.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** JON 2 (I-40 to US 70)

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$819,200.00	Power Poles:		<b>Relocation Total</b>	<b>\$1,156,560.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$280,000.00</b>
Telephone Poles	\$143,360.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,436,560.00</b>
Gas Line:	\$194,000.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$214,000.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$66,000.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** JON 3 (US 70 to Wilson Co Line)

**Requesting Party:** Derrick Lewis

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:	\$768,000.00	Power Poles:		<b>Relocation Total</b>	<b>\$1,038,940.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$210,000.00</b>
Telephone Poles	\$125,440.00	Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$1,248,940.00</b>
Gas Line:	\$145,500.00	Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:	\$160,500.00		
Water Items:		Water Items:			
Sewer Line:		Sewer Line:	\$49,500.00		
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** CMB-2 (North of SR 2337 to N. of US 13/I-295 (Goldsboro Rd.)

**Requesting Party:** Derrick Lewis/Feas Stud.

**Estimate Date:**

<b>Relocation Totals</b>		<b>Construction Total</b>		<b>Alternate Totals</b>	
Power Poles:		Power Poles:		<b>Relocation Total</b>	<b>\$0.00</b>
Power Items:		Power Items:		<b>Construction Total</b>	<b>\$0.00</b>
Telephone Poles		Telephone Poles		<hr/>	
Telephone Items		Telephone Items		<b>Alternate Total</b>	<b>\$0.00</b>
Gas Line:		Gas Line:			
Gas Items:		Gas Items:			
Water Line:		Water Line:			
Water Items:		Water Items:			
Sewer Line:		Sewer Line:			
Sewer Items:		Sewer Items:			
Misc.Items:		Misc.Items:			

**Summary:** CMB-3 (N. of US 13/I-295 to Harnett Co Line

**Requesting Party:** Derrick Lewis/Feas. Stud.

**Estimate Date:**

<b>Relocation Totals</b>	<b>Construction Total</b>	<b>Alternate Totals</b>	
Power Poles:	Power Poles:	<b>Relocation Total</b>	<b>\$0.00</b>
Power Items:	Power Items:	<b>Construction Total</b>	<b>\$0.00</b>
Telephone Poles	Telephone Poles	<hr/>	
Telephone Items	Telephone Items	<b>Alternate Total</b>	<b>\$0.00</b>
Gas Line:	Gas Line:		
Gas Items:	Gas Items:		
Water Line:	Water Line:		
Water Items:	Water Items:		
Sewer Line:	Sewer Line:		
Sewer Items:	Sewer Items:		
Misc.Items:	Misc.Items:		



**Detail: I-95 From Northampton Co to the Va. Line State Border****Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		40	\$10,240.00	\$409,600.00
		<b>Total:</b>	<b>40</b>	<b>\$409,600.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		25	\$3,584.00	\$89,600.00
		<b>Total:</b>	<b>25</b>	<b>\$89,600.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		500	\$97.00	\$48,500.00
		<b>Total:</b>		<b>\$48,500.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		500	\$107.00	\$53,500.00
		<b>Total:</b>		<b>\$53,500.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		500	\$33.00	\$16,500.00
		<b>Total:</b>		<b>\$16,500.00</b>

**Alternate Total \$617,700.00****Detail: I-95 from Harnett Co. to Johnston Co Line****Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		50	\$10,240.00	\$512,000.00
		<b>Total:</b>	<b>50</b>	<b>\$512,000.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		30	\$3,584.00	\$107,520.00
		<b>Total:</b>	<b>30</b>	<b>\$107,520.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		750	\$97.00	\$72,750.00
		<b>Total:</b>		<b>\$72,750.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		750	\$107.00	\$80,250.00
		<b>Total:</b>		<b>\$80,250.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		750	\$33.00	\$24,750.00
		<b>Total:</b>		<b>\$24,750.00</b>

**Alternate Total \$797,270.00**

<b>Detail: WIL (1) Johnston Co Line To US 264</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		60	\$10,240.00	\$614,400.00
		<b>Total:</b>	<b>60</b>	<b>\$614,400.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		30	\$3,584.00	\$107,520.00
		<b>Total:</b>	<b>30</b>	<b>\$107,520.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1000	\$97.00	\$97,000.00
		<b>Total:</b>		<b>\$97,000.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1000	\$107.00	\$107,000.00
		<b>Total:</b>		<b>\$107,000.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1000	\$33.00	\$33,000.00
		<b>Total:</b>		<b>\$33,000.00</b>
			<b>Alternate Total</b>	<b>\$958,920.00</b>
<b>Detail: WIL (2) US 264 to Nash Co Line</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		40	\$10,240.00	\$409,600.00
		<b>Total:</b>	<b>40</b>	<b>\$409,600.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		20	\$3,584.00	\$71,680.00
		<b>Total:</b>	<b>20</b>	<b>\$71,680.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		500	\$97.00	\$48,500.00
		<b>Total:</b>		<b>\$48,500.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		500	\$107.00	\$53,500.00
		<b>Total:</b>		<b>\$53,500.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		500	\$33.00	\$16,500.00
		<b>Total:</b>		<b>\$16,500.00</b>
			<b>Alternate Total</b>	<b>\$599,780.00</b>

**Detail: ROB (1) South Carolina Line to US 74****Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		75	\$10,240.00	\$768,000.00
		<b>Total:</b>	<b>75</b>	<b>\$768,000.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		40	\$3,584.00	\$143,360.00
		<b>Total:</b>	<b>40</b>	<b>\$143,360.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1000	\$97.00	\$97,000.00
		<b>Total:</b>		<b>\$97,000.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1000	\$107.00	\$107,000.00
		<b>Total:</b>		<b>\$107,000.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1000	\$33.00	\$33,000.00
		<b>Total:</b>		<b>\$33,000.00</b>

**Alternate Total      \$1,148,360.00**

**Detail: ROB (2) US 74 to NC 20****Power Poles**

Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		90	\$10,240.00	\$921,600.00
		<b>Total:</b>	<b>90</b>	<b>\$921,600.00</b>

**Telephone Poles**

Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		45	\$3,584.00	\$161,280.00
		<b>Total:</b>	<b>45</b>	<b>\$161,280.00</b>

**Gas Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1300	\$97.00	\$126,100.00
		<b>Total:</b>		<b>\$126,100.00</b>

**Water Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1300	\$107.00	\$139,100.00
		<b>Total:</b>		<b>\$139,100.00</b>

**Sewer Lines**

Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1300	\$33.00	\$42,900.00
		<b>Total:</b>		<b>\$42,900.00</b>

**Alternate Total      \$1,390,980.00**

<b>Detail: NAS-1 (Wilson Co Line to US 64)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		65	\$10,240.00	\$665,600.00
		<b>Total:</b>	<b>65</b>	<b>\$665,600.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		35	\$3,584.00	\$125,440.00
		<b>Total:</b>	<b>35</b>	<b>\$125,440.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1000	\$97.00	\$97,000.00
		<b>Total:</b>		<b>\$97,000.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1000	\$107.00	\$107,000.00
		<b>Total:</b>		<b>\$107,000.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1000	\$33.00	\$33,000.00
		<b>Total:</b>		<b>\$33,000.00</b>
			<b>Alternate Total</b>	<b>\$1,028,040.00</b>
<b>Detail: Nas 2 (US 64 to Halifax Co Line)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		65	\$10,240.00	\$665,600.00
		<b>Total:</b>	<b>65</b>	<b>\$665,600.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		35	\$3,584.00	\$125,440.00
		<b>Total:</b>	<b>35</b>	<b>\$125,440.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1000	\$97.00	\$97,000.00
		<b>Total:</b>		<b>\$97,000.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1000	\$107.00	\$107,000.00
		<b>Total:</b>		<b>\$107,000.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1000	\$33.00	\$33,000.00
		<b>Total:</b>		<b>\$33,000.00</b>
			<b>Alternate Total</b>	<b>\$1,028,040.00</b>

<b>Detail: HAL 1 (Nash Co Line to NC 561)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		65	\$10,240.00	\$665,600.00
		<b>Total:</b>	<b>65</b>	<b>\$665,600.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		35	\$3,584.00	\$125,440.00
		<b>Total:</b>	<b>35</b>	<b>\$125,440.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1000	\$97.00	\$97,000.00
		<b>Total:</b>		<b>\$97,000.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1000	\$107.00	\$107,000.00
		<b>Total:</b>		<b>\$107,000.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1000	\$33.00	\$33,000.00
		<b>Total:</b>		<b>\$33,000.00</b>
			<b>Alternate Total</b>	<b>\$1,028,040.00</b>
<b>Detail: HAL 2 (NC 561 to US 158)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		65	\$10,240.00	\$665,600.00
		<b>Total:</b>	<b>65</b>	<b>\$665,600.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		35	\$3,584.00	\$125,440.00
		<b>Total:</b>	<b>35</b>	<b>\$125,440.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1000	\$97.00	\$97,000.00
		<b>Total:</b>		<b>\$97,000.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1000	\$107.00	\$107,000.00
		<b>Total:</b>		<b>\$107,000.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1000	\$33.00	\$33,000.00
		<b>Total:</b>		<b>\$33,000.00</b>
			<b>Alternate Total</b>	<b>\$1,028,040.00</b>

<b>Detail: HAL 3 (US 158 to Northampton Co.)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		20	\$10,240.00	\$204,800.00
		<b>Total:</b>	<b>20</b>	<b>\$204,800.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		20	\$3,584.00	\$71,680.00
		<b>Total:</b>	<b>20</b>	<b>\$71,680.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		500	\$97.00	\$48,500.00
		<b>Total:</b>		<b>\$48,500.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		500	\$107.00	\$53,500.00
		<b>Total:</b>		<b>\$53,500.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		500	\$33.00	\$16,500.00
		<b>Total:</b>		<b>\$16,500.00</b>
			<b>Alternate Total</b>	<b>\$394,980.00</b>
<b>Detail: (JON 1) Harnett Co Line to I-40</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		10	\$10,240.00	\$102,400.00
		<b>Total:</b>	<b>10</b>	<b>\$102,400.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		10	\$3,584.00	\$35,840.00
		<b>Total:</b>	<b>10</b>	<b>\$35,840.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		200	\$97.00	\$19,400.00
		<b>Total:</b>		<b>\$19,400.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		200	\$107.00	\$21,400.00
		<b>Total:</b>		<b>\$21,400.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		200	\$33.00	\$6,600.00
		<b>Total:</b>		<b>\$6,600.00</b>
			<b>Alternate Total</b>	<b>\$185,640.00</b>

<b>Detail: JON 2 (I-40 to US 70)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		80	\$10,240.00	\$819,200.00
		<b>Total:</b>	<b>80</b>	<b>\$819,200.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		40	\$3,584.00	\$143,360.00
		<b>Total:</b>	<b>40</b>	<b>\$143,360.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		2000	\$97.00	\$194,000.00
		<b>Total:</b>		<b>\$194,000.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		2000	\$107.00	\$214,000.00
		<b>Total:</b>		<b>\$214,000.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		2000	\$33.00	\$66,000.00
		<b>Total:</b>		<b>\$66,000.00</b>
			<b>Alternate Total</b>	<b>\$1,436,560.00</b>
<b>Detail: JON 3 (US 70 to Wilson Co Line)</b>				
<b>Power Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Distribution Pole Three Phase		75	\$10,240.00	\$768,000.00
		<b>Total:</b>	<b>75</b>	<b>\$768,000.00</b>
<b>Telephone Poles</b>				
Type	Location	Number	Cost / Pole	Total Cost
Two Cable Telephone Pole		35	\$3,584.00	\$125,440.00
		<b>Total:</b>	<b>35</b>	<b>\$125,440.00</b>
<b>Gas Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" Gas Line Per Linear Foot		1500	\$97.00	\$145,500.00
		<b>Total:</b>		<b>\$145,500.00</b>
<b>Water Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" DIP Water Line Per Linear Foot		1500	\$107.00	\$160,500.00
		<b>Total:</b>		<b>\$160,500.00</b>
<b>Sewer Lines</b>				
Line Type	Location	Length	Cost per Ft.	Total Cost
8" PVC Sewer Line Per Linear Foot		1500	\$33.00	\$49,500.00
		<b>Total:</b>		<b>\$49,500.00</b>
			<b>Alternate Total</b>	<b>\$1,248,940.00</b>

<b>Detail: CMB-2 (North of SR 2337 to N. of US 13/I-295 (Goldsboro Rd.))</b>		
	<b>Alternate Total</b>	<b>\$0.00</b>
<b>Detail: CMB-3 (N. of US 13/I-295 to Harnett Co Line)</b>		
	<b>Alternate Total</b>	<b>\$0.00</b>







	A	B	C	D	E	F	G	H	I	J	K	L
1	NC I-95 Toll Alternates and Costs - v11 20100913.xlsx											
2	<b>Worksheet 2 Traffic, Tolling and Operations Variables</b>											
3	HOME Worksheet 1											
4	<b>Variable Name</b>	<b>Variable Values</b>	<b>Variable Description</b>									
5	V 5	5	Lanes per ML Gantry (lanes + shoulders)									
6	V 6	2	Lanes per Ramp Gantry (lanes + shoulders)									
7	V 7	181	Project Length									
8	<b>Traffic Assumptions</b>											
9	V 9	16,000	Out of State (OOS) ADT									
10	V 10	25.0%	OOS vehicles, % from VA									
11	V 11	25.0%	OOS vehicles, % from SC									
12	V 12	14.0%	OOS vehicles, % from GA									
13	V 13	1.0%	OOS vehicles, % from TN									
14	V 14	25.0%	OOS% Heavy Vehicle (TT-STs)									
15	V 15	5.0%	OOS% InterMediate Vehicle (Duals)									
16	V 16	70.0%	OOS% Light Vehicle (LV)									
17	V 17	25.0%	NC% Heavy Vehicles (TT-STs)									
18	V 18	5.0%	NC% InterMediate Vehicle (Duals)									
19		70.0%	NC% Light Vehicle (LV)									
20	V 20	77.0%	ETC% LV - OOS									
21	V 21	60.0%	ETC% LV - NC									
22	V 22	90.0%	ETC% MV & HV - OOS									
23	V 23	75.0%	ETC% MV & HV - NC									
24	V 24	91	Avg. OOS Trip Length (mi.)									
25	V 25	45	Avg. NC Trip Length (mi.)									
26	V 26	2.0%	Toll Diversion Impact % per \$ toll									
27	<b>Toll Rate Assumptions</b>											
28	V 28	\$0.10	Per mile rate for ETC customers.									
29	V 29	35.0%	ETC Discount									
30	V 30	2	Avg MV multiple of PC rate									
31	V 31	3	Avg HV multiple of PC rate									
32	V 32	\$0.25	Minimum Toll									
33	<b>Technical Collection Metrics and Leakage</b>											
34	V 34	2.0%	ETC transactions not read and sent to image-tolled.									
35	V 35	6.0%	Video Transactions with unreadable plates.									
36	<b>Commercial Collection Metrics and Leakage</b>											
37	V 37	0.5%	ETC Uncollectible transactions									
38	V 38	10.0%	After I-tolling, % of all NC video transactions pre-registered or pre-authorized.									
39	V 39	10.0%	After I-tolling, % of all OOS video transactions pre-registered or pre-authorized.									
40	V 40	50.0%	After I-tolling & pre-registered, % remaining NC video transx paid within 15 days									
41	V 41	50.0%	After I-tolling & pre-registered, % remaining OOS video transx paid within 15 days									
42	V 42	10.0%	After I-tolling, pre-registered & 15-day paid, % remaining NC unbillable									
43	V 43	10.0%	After I-tolling, pre-registered & 15-day paid, % remaining OOS unbillable									
44	V 44	40.0%	After I-tolling, pre-registered & 15-day paid, % remaining NC billable paid after 30 days.									
45	V 45	40.0%	After I-tolling, pre-registered & 15-day paid, % remaining OOS billable paid after 30 days.									
46	V 46	7.5%	Percent Pending Tolls Recovered in Admin Fees / Civil Penalty Revenue									
47	<b>Incremental Toll Account Activity from I-95</b>											
48	V 48	4	NC ETC accounts / trip - day									
49	V 49	10.0%	% PreReg Video Accounts / NC ETC Account									
50	V 50	85.0%	Of all ETC and Preregister toll accounts, % on Credit-Card Auto-Replenish									
51	<b>Incremental Call Center Impacts from I-95</b>											
52	V 52	15.0%	Of all toll accounts, % calls / month									
53	V 53	75.0%	Of all toll calls, % calls to floor									
54	V 54	5	Average minutes / call									

	A	B	C	D	E	F	G	H	I	J	K	L
1	NC I-95 Toll Alternates and Costs - v11 20100913.xlsx											
2	<b>Worksheet 2</b>			<b>Traffic, Tolling and Operations Variables</b>								
55	V 55		6	Average CSR availability (hours / day)								
56	<b>Incremental Outgoing Mail Impacts from I-95</b>											
57	V 57		20.0%	Of all toll accounts, % mailed statements / month								
58	V 58		33.0%	% of mailed statements triggering eval notices								
59	V 59		20.0%	Of all toll accounts, % low-bal mailed or e-mailed statements / month								
60	V 60		20.0%	Of all toll accounts, % C-C declined mailed or e-mailed statements / month								
61	V 61		5	Average video trips per notice								
62	V 62		40.0%	Of all video bills, % Unpaid Toll Notice								
63	V 63		66.7%	Of all NC Unpaid Toll Notices, % Civil Penalty Notices								
64	V 64		66.7%	Of all OOS Unpaid Toll Notices, % 2nd Notices								
65	V 65		75.0%	% Reg Suspension Notice								
66	<b>Incremental CSC Processing Impacts from I-95</b>											
67	V 67		15.0%	Will make replenishment payments online								
68	V 68		15.0%	Will make video bill payments online								
69	V 69		15.0%	Will make UTN payments online								
70	V 70		15.0%	Will make CPN payments online								
71	V 71		1.85	Average tags per account								
72	V 72		10.0%	Additional tag requests								
73	V 73		20.0%	% manual image review								
74	V 74		5.0%	% of total accounts closed								
75	V 75		90.0%	% of closed accounts requiring refunds								
76	V 76		2.0%	% Nixie w/ forwarding address								
77	<b>Time Estimates per Unit (minutes) - (NCTA est.)</b>											
78	V 78		1.00	(min) Replenishment Payments								
79	V 79		1.00	(min) Video Bill Payments								
80	V 80		1.00	(min) UTN Payments								
81	V 81		1.00	(min) CPN Payments								
82	V 82		5.00	(min) New Applications								
83	V 83		3.00	(min) New Tag Kits								
84	V 84		3.00	(min) Additional Tag Requests								
85	V 85		0.17	(min) Manual Image Review								
86	V 86		1.00	(min) Close Accounts								
87	V 87		15.00	(min) Account Refunds								
88	V 88		2.00	(min) Nixie Processing								
89	V 89		1,410	CSR Production Hours / Year								
90												
91												

Total
Percent
Paid
46.70%
6.85%
42.80%
96.35%

**I-95 ETC Percentages and Operations Leakage Analysis**

Toll Weight	Percent Vehicles	ETC Revenue		ETC OOS	Percent NC	Percent OOS	ETC Percentage		ETC Revenues	ETC Uncollect	Total ETC Paid	IBT Percentage	IBT Revenues	Unread. Plates	Remaining IBT Revenue	Percent I Toll	Percent Paid 15 days	Percent Paid 30 days	Total IBT Paid
		ETC NC	ETC Revenue				ETC Percentage	ETC Percentage											
1	70.00%	60.00%	49.12%	75.00%	45.00%	55.00%	68.25%	33.53%	0.17%	33.36%	31.75%	15.60%	6.00%	14.66%	10.00%	50%	40%	13.34%	
2	5.00%	75.00%	7.02%	90.00%	25.00%	75.00%	86.25%	6.05%	0.03%	6.02%	13.75%	0.96%	0.06%	0.91%	0.09%	0.41%	0.33%	0.83%	
2.5	25.00%	75.00%	43.86%	90.00%	25.00%	75.00%	86.25%	37.83%	0.19%	37.64%	13.75%	6.03%	0.36%	5.67%	0.57%	2.55%	2.09%	5.16%	
			100.00%					77.41%	0.39%	77.02%		22.59%	1.36%	21.24%	2.12%	9.56%	7.65%	19.33%	

JUNE 2, 2011

**FINAL**

**ESTIMATE CHECK LIST - CONCRETE DESIGN**

COUNTY	LENGTH (Miles)	Ending MP	Ultimate Improve.	CONSTR.COST	UTILITY RIGHT OF WAY COST	RIGHT OF WAY COST	ROW Cost per mile	Rdwy/Stps	Utility	ITS	COMPLETE	
Robeson 1	14.29	14.29	Six Lanes	\$230,000,000	\$1,008,360	\$18,688,952	\$1,307,834	X	X	X	X	
Robeson 2	17.52	31.91			\$1,208,980	\$23,044,040	\$1,307,834	X	X	X	X	
Robeson 3	6.74	38.65			\$409,480	\$8,814,893	\$1,307,834	X	X	X	X	
County Total	38.65				\$2,526,800	\$90,547,785	\$1,307,834	X	X	X	X	
Cumberland 1	8.15	48.80	Eight Lanes	\$202,000,000	\$468,880	\$8,225,000	\$1,009,202	X	X	X	X	
Cumberland 2	11.83	58.63			\$580,980	\$15,250,000	\$1,289,086	X	X	X	X	
Cumberland 3	10.35	68.98			\$520,080	\$9,250,000	\$983,120	X	X	X	X	
County Total	30.33				\$1,569,940	\$32,725,000	\$1,078,965	X	X	X	X	
Harnett 1	4.42	73.40	Eight Lanes	\$105,000,000		\$22,625,000	\$5,118,778	X	X	X	X	
Harnett 2	4.44	77.84				\$21,525,000	\$4,847,973	X	X	X	X	
Harnett 3	8.86				\$682,270	\$44,150,000	\$4,963,070	X	X	X	X	
County Total												
Johnston 1	3.56	81.40	Six Lanes	\$89,000,000	\$157,640	\$19,325,000	\$5,428,371	X	X	X	X	
Johnston 2	16.81	97.21			\$1,156,560	\$31,725,000	\$2,008,641	X	X	X	X	
Johnston 3	10.98	108.19			\$1,038,940	\$37,450,000	\$3,410,787	X	X	X	X	
County Total	30.35				\$2,353,140	\$86,500,000	\$2,915,980	X	X	X	X	
Wilson 1	11.84	120.03	Six Lanes	\$195,000,000	\$818,920	\$7,925,000	\$669,341	X	X	X	X	
Wilson 2	4.57	124.60			\$529,780	\$7,475,000	\$1,635,667	X	X	X	X	
Wilson 3	16.41				\$1,348,700	\$15,400,000	\$938,452	X	X	X	X	
County Total												
Nash 1	14.47	139.07	Six Lanes	\$249,000,000	\$888,040	\$5,294,000	\$365,860	X	X	X	X	
Nash 2	11.79	150.86			\$888,040	\$5,037,500	\$427,269	X	X	X	X	
Nash 3	26.26				\$1,776,080	\$10,331,500	\$393,431	X	X	X	X	
County Total												
Halifax 1	9.95	160.81	Six Lanes	\$164,000,000	\$888,040	\$2,760,950	\$277,482	X	X	X	X	
Halifax 2	12.41	173.22			\$888,040	\$33,164,400	\$2,672,993	X	X	X	X	
Halifax 3	0.62	173.84			\$324,980	\$13,323,150	\$21,488,952	X	X	X	X	
County Total	22.98				\$2,101,060	\$49,248,500	\$2,143,103	X	X	X	X	
Northampton	7.49	181.33		\$147,000,000	\$547,700	\$20,675,000	\$2,760,347	X	X	X		
<b>TOTALS</b>	<b>181.33</b>	<b>181.33</b>		<b>3,328,000,000</b>	<b>\$ 43,015,680</b>	<b>\$ 311,677,795</b>						
				<b>\$3,652,593,485.32</b>								

**CONCRETE ALTERNATIVE**

**I-95 Preliminary Cost and Schedule - Initial Phase 1 Construction**

Activity	Respons.	Cost			Year to Inflate	Final Cost	Begin Date	End Date
		2011 Cost	2011 Cost	2011 Cost				
Preliminary Engineering (@7%)	NCDOT	\$92,751,098	\$92,751,098		2013	\$97,446,623	Jan-12	Jul-15
Right of Way	NCDOT	\$128,058,843	\$128,058,843		2015	\$141,353,002	Dec-14	May-16
DB Design (@2%)	DB Team	\$26,500,314	\$1,351,516,004		2015	\$1,565,863,363	Sep-15	Jan-19
DB Construction	DB Team	\$1,325,015,690			2017	\$184,393,437	Jan-16	Jan-19
CE&I (@10%)	NCDOT	\$159,001,883	\$159,001,883		2017	\$184,393,437	Jan-16	Jan-19
Toll Equipment	DB Team #2	\$78,000,000	\$78,000,000		2017	\$90,456,087	Jan-18	Jan-19
<b>Total</b>			<b>\$1,809,327,828</b>			<b>\$2,079,512,511</b>		

Inflation Rate **2.50%**

## Preliminary Operations and Maintenance

	Operations	Maintenance	Total O&M
	Toll Plan 3 - 20 Mile Spacing	Routine Roadway maint.	
2019	\$54,949,971	\$24,390,244	\$79,340,215
2020	\$56,323,720	\$25,000,000	\$81,323,720
2021	\$57,731,813	\$25,625,000	\$83,356,813
2022	\$59,175,108	\$26,265,625	\$85,440,733
2023	\$60,654,486	\$26,922,266	\$87,576,752
2024	\$62,170,848	\$27,595,322	\$89,766,170
2025	\$63,725,119	\$28,285,205	\$92,010,325
2026	\$65,318,247	\$28,992,335	\$94,310,583
2027	\$66,951,203	\$29,717,144	\$96,668,347
2028	\$68,624,984	\$30,460,072	\$99,085,056
2029	\$70,340,608	\$31,221,574	\$101,562,182
2030	\$72,099,123	\$32,002,114	\$104,101,237
2031	\$73,901,601	\$32,802,166	\$106,703,768
2032	\$75,749,141	\$33,622,221	\$109,371,362
2033	\$77,642,870	\$34,462,776	\$112,105,646
2034	\$79,583,942	\$35,324,346	\$114,908,287
2035	\$81,573,540	\$36,207,454	\$117,780,994
2036	\$83,612,879	\$37,112,641	\$120,725,519
2037	\$85,703,201	\$38,040,457	\$123,743,657
2038	\$87,845,781	\$38,991,468	\$126,837,249
2039	\$90,041,925	\$39,966,255	\$130,008,180
2040	\$92,292,973	\$40,965,411	\$133,258,384
2041	\$94,600,298	\$41,989,546	\$136,589,844
2042	\$96,965,305	\$43,039,285	\$140,004,590
2043	\$99,389,438	\$44,115,267	\$143,504,705
2044	\$101,874,174	\$45,218,149	\$147,092,323
2045	\$104,421,028	\$46,348,602	\$150,769,631
2046	\$107,031,554	\$47,507,318	\$154,538,871
2047	\$109,707,343	\$48,695,000	\$158,402,343
2048	\$112,450,026	\$49,912,375	\$162,362,402
2049	\$115,261,277	\$51,160,185	\$166,421,462
2050	\$118,142,809	\$52,439,189	\$170,581,998
2051	\$121,096,379	\$53,750,169	\$174,846,548
2052	\$124,123,789	\$55,093,923	\$179,217,712
2053	\$127,226,883	\$56,471,272	\$183,698,155
2054	\$130,407,555	\$57,883,053	\$188,290,609
2055	\$133,667,744	\$59,330,130	\$192,997,874
2056	\$137,009,438	\$60,813,383	\$197,822,821
	\$3,364,438,155	\$1,493,348,699	\$4,857,786,854

2.50% Inflation Rate applied to O&M



## Concrete Surface

Use this for the analysis - we do not have an asphalt alternative

### Capital Maintenance - R&R - Concrete

	Roadway (non-Pav't)	New Pavement	Existing Pavement	Facilities	Total R&R	R&R - Phase I
2019	\$6,000,000	\$0	\$30,000,000	\$4,300,000	\$40,300,000	\$10,300,000
2020	\$6,150,000	\$0	\$30,204,603	\$4,407,500	\$40,762,103	\$10,557,500
2021	\$6,303,750	\$0	\$30,409,206	\$3,677,188	\$40,390,143	\$9,980,938
2022	\$6,461,344	\$0	\$30,613,809	\$3,769,117	\$40,844,270	\$10,230,461
2023	\$6,622,877	\$0	\$30,818,412	\$3,863,345	\$41,304,634	\$10,486,222
2024	\$6,788,449	\$3,877,877	\$31,023,015	\$3,959,929	\$45,649,269	\$14,626,255
2025	\$6,958,161	\$3,974,824	\$31,798,590	\$4,058,927	\$46,790,501	\$14,991,911
2026	\$7,132,115	\$4,074,194	\$32,593,555	\$4,160,400	\$47,960,264	\$15,366,709
2027	\$7,310,417	\$4,176,049	\$33,408,394	\$4,264,410	\$49,159,270	\$15,750,877
2028	\$7,493,178	\$4,280,450	\$34,243,603	\$4,371,020	\$50,388,252	\$16,144,649
2029	\$7,680,507	\$4,387,462	\$35,099,694	\$4,480,296	\$51,647,958	\$16,548,265
2030	\$7,872,520	\$4,497,148	\$35,977,186	\$4,592,303	\$52,939,157	\$16,961,971
2031	\$8,069,333	\$4,609,577	\$36,876,616	\$4,707,111	\$54,262,636	\$17,386,021
2032	\$8,271,066	\$4,724,816	\$37,798,531	\$4,824,789	\$55,619,202	\$17,820,671
2033	\$8,477,843	\$4,842,937	\$38,743,494	\$4,945,408	\$57,009,682	\$18,266,188
2034	\$8,689,789	\$4,964,010	\$39,712,082	\$5,069,044	\$58,434,924	\$18,722,843
2035	\$8,907,034	\$5,088,110	\$40,704,884	\$5,195,770	\$59,895,797	\$19,190,914
2036	\$9,129,710	\$5,215,313	\$41,722,506	\$5,325,664	\$61,393,192	\$19,670,687
2037	\$9,357,952	\$5,345,696	\$42,765,568	\$5,458,806	\$62,928,022	\$20,162,454
2038	\$9,591,901	\$5,479,338	\$43,834,707	\$5,595,276	\$64,501,223	\$20,666,515
2039	\$9,831,699	\$5,616,322	\$44,930,575	\$5,735,158	\$66,113,753	\$21,183,178
2040	\$10,077,491	\$5,756,730	\$46,053,840	\$5,878,536	\$67,766,597	\$21,712,758
2041	\$10,329,428	\$5,900,648	\$47,205,186	\$6,025,500	\$69,460,762	\$22,255,576
2042	\$10,587,664	\$6,048,164	\$48,385,315	\$6,176,137	\$71,197,281	\$22,811,966
2043	\$10,852,356	\$6,199,369	\$49,594,948	\$6,330,541	\$72,977,213	\$23,382,265
2044	\$11,123,665	\$6,354,353	\$50,834,822	\$6,488,804	\$74,801,643	\$23,966,822
2045	\$11,401,756	\$6,513,212	\$52,105,692	\$6,651,024	\$76,671,685	\$24,565,992
2046	\$11,686,800	\$6,676,042	\$53,408,335	\$6,817,300	\$78,588,477	\$25,180,142
2047	\$11,978,970	\$6,842,943	\$54,743,543	\$6,987,733	\$80,553,189	\$25,809,646
2048	\$12,278,444	\$7,014,016	\$56,112,132	\$7,162,426	\$82,567,018	\$26,454,887
2049	\$12,585,405	\$7,189,367	\$57,514,935	\$7,341,487	\$84,631,194	\$27,116,259
2050	\$12,900,041	\$7,369,101	\$58,952,808	\$7,525,024	\$86,746,974	\$27,794,165
2051	\$13,222,542	\$7,553,329	\$60,426,628	\$7,713,149	\$88,915,648	\$28,489,019
2052	\$13,553,105	\$7,742,162	\$61,937,294	\$7,905,978	\$91,138,539	\$29,201,245
2053	\$13,891,933	\$7,935,716	\$63,485,726	\$8,103,627	\$93,417,003	\$29,931,276
2054	\$14,239,231	\$8,134,109	\$65,072,870	\$8,306,218	\$95,752,428	\$30,679,558
2055	\$14,595,212	\$8,337,461	\$66,699,691	\$8,513,874	\$98,146,238	\$31,446,547

I-95 Planning and Finance Study  
DRAFT Net Revenue Schedule

I-95 Corridor Planning and Finance Study - Revised Ramp-Up; \$3.00 PC Improved w/Ramp Tolls

Year	Total Annual Inflated Revenue (Current \$)	Mainline Annual Inflated Revenue (Current \$)	Ramp Annual Inflated Revenue (Current \$)	Revised 11/10/11	Total Improved	Improved Mainline	Improved Ramps	Total Unimproved	Unimproved Mainline	Unimproved Ramps	Total
2019	223,041,810	209,474,956	13,566,855	\$141,196,882	\$131,954,417	9,242,465	\$81,844,929	\$113,296,723	91,978,133	4,324,389	\$223,041,810
2020	289,866,067	271,781,057	18,085,010	\$192,802,373	179,802,864	12,999,508	\$97,063,694	\$124,063,187	107,409,666	5,085,501	\$289,866,067
2021	329,174,314	308,336,138	20,838,176	\$215,877,590	200,826,452	14,951,139	\$113,296,723	\$135,457,110	128,531,537	5,887,037	\$329,174,314
2022	364,834,311	341,352,313	23,481,998	\$240,771,124	223,683,261	17,087,863	\$124,063,187	\$145,675,493	138,343,342	7,332,151	\$364,834,311
2023	390,294,342	364,873,429	25,420,913	\$254,837,232	236,341,891	18,495,341	\$135,457,110	\$156,581,326	148,819,179	7,762,147	\$390,294,342
2024	409,939,149	382,850,622	27,088,527	\$269,456,164	249,493,652	19,962,512	\$140,482,985	\$168,218,024	160,001,136	8,216,888	\$409,939,149
2025	430,322,262	401,498,628	28,823,634	\$284,646,769	263,155,286	21,491,482	\$145,675,493	\$180,631,636	171,933,859	8,687,777	\$430,322,262
2026	451,468,318	420,839,753	30,628,565	\$300,428,494	277,344,069	23,084,424	\$151,039,825	\$193,871,003	184,664,704	9,206,298	\$451,468,318
2027	473,402,726	440,896,998	32,505,728	\$316,821,401	292,077,819	24,743,581	\$156,581,326	\$200,816,409	191,345,002	9,471,406	\$473,402,726
2028	495,151,687	461,694,080	34,457,607	\$333,846,185	307,374,917	26,471,269	\$162,305,502	\$207,987,916	198,243,900	9,744,016	\$495,151,687
2029	519,742,219	483,255,456	36,486,763	\$351,524,196	323,254,320	28,269,876	\$168,218,024	\$215,392,488	205,368,152	10,024,336	\$519,742,219
2030	544,202,183	505,006,342	38,995,841	\$369,877,453	339,735,585	30,141,868	\$174,324,730	\$223,037,296	212,724,714	10,312,582	\$544,202,183
2031	569,560,306	528,772,737	40,787,569	\$388,928,670	356,838,878	32,089,792	\$180,631,636	\$239,077,376	228,163,633	10,913,743	\$569,560,306
2032	595,846,209	552,781,448	43,064,761	\$408,701,275	374,585,002	34,116,273	\$187,144,934	\$247,488,079	236,260,961	11,227,118	\$595,846,209
2033	623,090,432	577,660,112	45,430,320	\$429,219,430	392,995,408	36,224,022	\$193,871,003	\$255,131,120	253,250,461	11,880,658	\$623,090,432
2034	651,324,462	603,437,220	47,887,242	\$450,508,054	412,092,218	38,415,836	\$200,816,409	\$265,131,120	262,158,977	12,571,596	\$651,324,462
2035	680,580,762	630,142,147	50,438,616	\$472,592,847	431,898,247	40,694,600	\$207,987,916	\$274,380,300	270,553,633	13,302,042	\$680,580,762
2036	710,892,800	657,805,171	53,087,629	\$495,500,312	452,437,019	43,063,293	\$215,392,488	\$283,926,233	271,354,637	14,074,226	\$710,892,800
2037	742,295,076	686,457,508	55,837,568	\$519,257,780	473,732,794	45,524,986	\$223,037,296	\$293,777,974	280,846,231	14,746,700	\$742,295,076
2038	774,823,158	716,131,333	58,691,825	\$543,893,434	495,810,584	48,082,850	\$230,929,725	\$299,077,376	285,250,461	15,489,341	\$774,823,158
2039	808,513,710	746,859,814	61,653,896	\$568,436,334	518,696,181	50,740,153	\$239,077,376	\$299,077,376	285,250,461	16,203,062	\$808,513,710
2040	843,404,525	778,677,137	64,727,388	\$595,916,446	542,416,176	53,500,270	\$247,488,079	\$299,077,376	285,250,461	16,948,488	\$843,404,525
2041	879,534,559	811,618,538	67,916,021	\$623,364,665	566,997,985	56,366,680	\$255,131,120	\$299,077,376	285,250,461	17,700,501	\$879,534,559
2042	916,943,968	845,720,336	71,223,632	\$651,812,848	592,469,875	59,342,973	\$265,131,120	\$299,077,376	285,250,461	18,476,700	\$916,943,968
2043	955,674,138	881,019,963	74,654,175	\$681,293,838	618,960,986	62,432,852	\$274,380,300	\$299,077,376	285,250,461	19,267,222	\$955,674,138
2044	995,767,726	917,555,996	78,211,730	\$711,841,493	646,201,359	65,640,135	\$283,926,233	\$299,077,376	285,250,461	20,085,989	\$995,767,726
2045	1,037,268,667	955,368,192	81,900,505	\$743,490,723	674,521,962	68,968,761	\$293,777,974	\$300,944,849	290,642,808	20,944,501	\$1,037,268,667
2046	1,080,222,363	994,497,527	85,724,836	\$776,277,513	703,854,719	72,422,794	\$303,944,849	\$303,944,849	290,642,808	21,846,231	\$1,080,222,363
2047	1,124,675,418	1,034,986,223	89,689,195	\$810,238,961	734,232,538	76,006,423	\$314,436,457	\$303,944,849	290,642,808	22,789,341	\$1,124,675,418
2048	1,170,675,987	1,076,877,792	93,798,195	\$845,413,308	765,689,339	79,723,970	\$325,262,679	\$303,944,849	290,642,808	23,772,772	\$1,170,675,987
2049	1,218,273,663	1,120,217,074	98,056,589	\$881,839,974	798,260,084	83,579,889	\$336,433,689	\$303,944,849	290,642,808	24,800,501	\$1,218,273,663
2050	1,267,519,550	1,165,050,271	102,469,279	\$919,559,589	831,980,811	87,578,777	\$347,959,961	\$303,944,849	290,642,808	25,889,341	\$1,267,519,550
2051	1,318,466,310	1,211,424,993	107,041,317	\$958,614,034	866,889,662	91,725,372	\$359,852,275	\$303,944,849	290,642,808	26,999,508	\$1,318,466,310
2052	1,371,168,208	1,259,390,294	111,777,915	\$999,046,478	900,420,917	96,024,560	\$372,121,731	\$303,944,849	290,642,808	28,149,341	\$1,371,168,208
2053	1,425,681,160	1,308,996,719	116,684,441	\$1,040,901,409	940,420,030	100,481,379	\$384,779,751	\$303,944,849	290,642,808	29,342,973	\$1,425,681,160
2054	1,482,062,780	1,360,296,347	121,766,433	\$1,084,224,684	979,123,660	105,101,024	\$397,838,096	\$303,944,849	290,642,808	30,589,961	\$1,482,062,780
2055	1,540,372,429	1,413,342,833	127,029,596	\$1,129,063,558	1,019,174,708	109,888,850	\$411,308,871	\$303,944,849	290,642,808	31,889,341	\$1,540,372,429
2056	1,600,671,272	1,468,191,458	132,479,814	\$1,175,466,736	1,060,616,357	114,850,379	\$425,204,536	\$303,944,849	290,642,808	33,222,679	\$1,600,671,272
2057	1,663,022,324	1,524,899,176	138,123,149	\$1,223,484,408	1,103,493,104	119,991,304	\$439,537,916	\$303,944,849	290,642,808	34,616,272	\$1,663,022,324
2058	1,727,490,510	1,583,524,659	143,965,850	\$1,273,166,297	1,147,850,803	125,317,494	\$454,322,213	\$303,944,849	290,642,808	36,062,726	\$1,727,490,510

North Carolina Department of Transportation, I-95  
(Net Pledge)

<b>Sources</b>	
Par Amount of Current Interest Bonds	\$1,919,840,000
Par Amount of Capital Appreciation Bonds	\$695,181,942
<b>Total Par Amount of Bonds</b>	<b>\$2,615,021,942</b>
+Premium/-Discount	\$0
<b>Total Bond Proceeds</b>	<b>\$2,615,021,942</b>
Accrued Interest	\$0
Subordinate Debt (Non-TIFIA)	\$0
TIFIA Loan (0.00% of construction costs, DSRF deposit & cap-i deposit)	\$0
Funding Gap	\$180,406,015
<b>Total Sources</b>	<b>\$2,795,427,957</b>
<b>Uses</b>	
Net Construction Deposit	\$1,890,521,791
TIFIA Construction Deposit	\$0
BAN Takeout for PE & ROW	\$184,122,202
Debt Service Reserve Fund	\$261,502,194
Capitalized Interest Fund Deposit	\$438,340,888
Underwriters' Discount	\$15,939,590
Other Cost of Issuance	\$5,000,000
Accrued Interest	\$0
Bond Insurance @ 175bps	\$0
Subordinate Debt (Non-TIFIA) Underwriter's Discount	\$0
TIFIA Credit Charge	\$0
Contingency/Rounding	\$1,291
<b>Total Uses</b>	<b>\$2,795,427,957</b>

**North Carolina Department of Transportation, I-95  
(Net Pledge)**

PV of Residual Revenue @7.0%: 3,240,499

Numbers in \$000

Ending 12/31	Total Revenues	Operating Expenses	Routine Roadway maint.	Total O&M	Net Revenue	Net Senior Debt Service	Net Revenue After Debt Service	Series 2015 DSIF Deposits	2015 Sub Debt Repayment	R&R Expense	Annual Net Revenue	Transfer to Phase 2 Construction	Annual Residual Revenue	General Reserve Balance	Senior Debt Coverage
2019	141,197	81,845	221,042	54,950	24,380	143,702	143,702	143,702	99,080	10,300	133,402	133,402	133,402	133,402	1.81
2020	192,802	97,064	289,866	56,324	25,000	208,542	208,542	208,542	115,462	10,558	82,518	215,919	82,518	215,919	1.81
2021	215,878	113,297	329,174	57,732	25,025	245,818	245,818	245,818	133,822	9,981	102,015	102,015	102,015	317,934	1.84
2022	240,771	124,063	364,834	59,175	26,066	279,394	279,394	279,394	149,310	10,300	119,853	119,853	119,853	437,787	1.87
2023	258,457	135,457	390,294	60,654	26,922	302,718	302,718	302,718	158,579	10,486	133,652	133,652	133,652	571,439	1.91
2024	289,456	140,483	409,939	62,171	27,595	320,173	320,173	320,173	164,345	10,626	141,202	141,202	141,202	711,641	1.95
2025	286,647	145,675	430,322	63,725	28,285	338,312	338,312	338,312	170,229	10,902	153,092	153,092	153,092	865,733	1.98
2026	300,428	151,040	451,468	65,318	28,992	357,158	357,158	357,158	182,36	11,143	165,558	165,558	165,558	1,051,29	2.03
2027	316,821	156,581	473,403	66,951	29,717	376,734	376,734	376,734	194,375	11,371	179,662	179,662	179,662	1,209,915	2.07
2028	333,846	162,306	496,152	68,625	30,460	397,082	397,082	397,082	208,453	11,645	192,308	192,308	192,308	1,400,223	2.11
2029	351,524	168,218	519,742	70,341	31,222	418,101	418,101	418,101	223,176	11,921	206,622	206,622	206,622	1,600,845	2.14
2030	369,877	174,325	544,202	72,099	32,002	440,101	440,101	440,101	238,365	12,208	221,603	221,603	221,603	1,830,448	2.18
2031	388,929	180,632	569,560	73,902	32,802	462,857	462,857	462,857	254,648	12,506	237,262	237,262	237,262	2,067,710	2.22
2032	408,701	187,145	595,846	75,749	33,621	486,475	486,475	486,475	271,445	12,812	253,624	253,624	253,624	2,321,334	2.26
2033	429,219	193,871	623,09	77,643	34,463	510,985	510,985	510,985	288,979	13,126	270,713	270,713	270,713	2,592,047	2.30
2034	450,508	200,816	651,324	79,584	35,324	536,416	536,416	536,416	307,210	13,444	285,066	285,066	285,066	2,877,113	2.34
2035	472,593	207,988	680,581	81,57	36,207	562,800	562,800	562,800	326,556	13,771	314,102	314,102	314,102	3,171,994	2.38
2036	495,500	215,392	710,893	83,613	37,113	590,167	590,167	590,167	346,710	14,106	334,101	334,101	334,101	3,486,097	2.42
2037	519,258	223,037	742,295	85,703	38,040	618,551	618,551	618,551	367,721	14,455	355,039	355,039	355,039	3,820,238	2.47
2038	543,893	230,950	776,823	87,846	38,991	647,986	647,986	647,986	389,611	14,816	372,356	372,356	372,356	4,175,277	2.51
2039	569,436	239,077	808,514	90,042	39,966	678,506	678,506	678,506	407,947	15,182	390,321	390,321	390,321	4,547,693	2.55
2040	595,956	247,488	843,405	92,293	40,965	710,146	710,146	710,146	426,966	15,553	408,350	408,350	408,350	4,937,955	2.59
2041	623,813	256,170	875,535	94,660	41,990	742,945	742,945	742,945	446,673	15,926	428,263	428,263	428,263	5,346,505	2.63
2042	652,284	265,131	908,415	96,965	43,039	776,939	776,939	776,939	467,100	16,302	448,286	448,286	448,286	5,775,168	2.67
2043	681,294	274,380	942,674	99,389	44,115	812,169	812,169	812,169	488,172	16,684	469,047	469,047	469,047	6,223,454	2.71
2044	711,841	283,926	995,768	101,874	45,218	848,675	848,675	848,675	509,209	17,067	490,569	490,569	490,569	6,692,500	2.75
2045	743,491	293,778	1,037,269	104,421	46,349	886,499	886,499	886,499	531,359	17,455	512,668	512,668	512,668	7,183,069	2.79
2046	776,278	303,945	1,080,222	107,032	47,507	925,848	925,848	925,848	562,488	17,846	535,971	535,971	535,971	7,695,937	2.83
2047	810,239	314,436	1,124,675	109,707	48,695	966,402	966,402	966,402	593,397	18,241	559,919	559,919	559,919	8,231,908	2.87
2048	845,413	325,263	1,170,676	112,450	49,912	1,008,314	1,008,314	1,008,314	624,006	18,641	585,919	585,919	585,919	8,791,827	2.91
2049	881,840	336,434	1,218,274	115,261	51,160	1,051,852	1,051,852	1,051,852	654,304	19,045	610,421	610,421	610,421	9,376,550	2.95
2050	919,560	347,960	1,267,520	118,143	52,439	1,096,938	1,096,938	1,096,938	683,216	19,453	638,216	638,216	638,216	9,986,972	2.99
2051	959,614	359,852	1,318,466	121,096	53,750	1,143,620	1,143,620	1,143,620	711,612	19,864	668,537	668,537	668,537	10,645,709	3.03
2052	999,046	372,122	1,371,168	124,124	55,090	1,191,950	1,191,950	1,191,950	740,426	20,277	698,623	698,623	698,623	11,332,333	3.07
2053	1,040,501	384,780	1,425,681	127,227	56,471	1,241,983	1,241,983	1,241,983	769,426	20,691	729,426	729,426	729,426	12,047,827	3.11
2054	1,084,215	397,838	1,482,063	130,408	57,883	1,293,772	1,293,772	1,293,772	798,699	21,106	758,699	758,699	758,699	12,793,217	3.15
2055	1,129,064	411,309	1,540,372	133,668	59,330	1,347,375	1,347,375	1,347,375	828,419	21,521	788,419	788,419	788,419	13,574,915	3.19
Total:	21,003,074	8,704,054	29,707,078	3,882,378	1,456,526	4,739,304	4,739,304	4,739,304	2,497,774	9,855,154	15,132,819	287,666	14,109,145	14,109,145	2.50

North Carolina Department of Transportation, I-95 (Gross Pledge)	
Sources	
Par Amount of Current Interest Bonds	\$2,652,540,000
Par Amount of Capital Appreciation Bonds	\$369,410,972
<b>Total Par Amount of Bonds</b>	<b>\$3,021,950,972</b>
+Premium/-Discount	\$0
<b>Total Bond Proceeds</b>	<b>\$3,021,950,972</b>
Accrued Interest	\$0
Subordinate Debt (Non-TIFIA)	\$0
TIFIA Loan (0.00% of construction costs, DSRF deposit & cap-i deposit)	\$0
Funding Gap	
<b>Total Sources</b>	<b>\$3,021,950,972</b>
Uses	
Net Construction Deposit	\$1,890,521,791
TIFIA Construction Deposit	\$0
BAN Takeout for PE & ROW	\$184,122,202
Debt Service Reserve Fund	\$302,195,097
Capitalized Interest Fund Deposit	\$622,237,819
Underwriters' Discount	\$17,872,189
Other Cost of Issuance	\$5,000,000
Accrued Interest	\$0
Bond Insurance @ 175bps	\$0
Subordinate Debt (Non-TIFIA) Underwriter's Discount	\$0
TIFIA Credit Charge	\$0
Contingency/Rounding	\$1,873
<b>Total Uses</b>	<b>\$3,021,950,972</b>

**North Carolina Department of Transportation, I-95  
(Gross Pledge)**

Numbers in \$000

PV of Residual Revenue @ 6.7%: 3,299,103

Ending 12/31	Phase 1 Toll Revenues	Phase 2 Toll Revenues	Total Revenues	Net Senior Debt Service	Net Revenue After Debt Service	Series 2015 DSRF Deposits	2015 Sub Debt Repayment	O&M Expense	R&R Expenses	Annual Net Revenue	Transfer to Phase 2 Construction	Annual Residual Revenue	General Reserve Balance	Senior Debt Coverage
2019	141,197	81,845	223,042		223,042			79,340	10,300	133,402		133,402	133,402	
2020	192,802	97,064	289,866	160,938	128,928			81,324	10,558	37,042		37,042	170,443	1.80
2021	215,878	113,297	329,174	179,321	149,853			83,357	9,981	56,516		56,516	226,959	1.84
2022	240,771	124,063	364,834	194,864	169,971			85,441	10,230	74,299		74,299	301,258	1.87
2023	254,837	135,457	390,294	204,239	186,055			87,577	10,486	87,992		87,992	389,250	1.91
2024	269,456	140,483	409,939	210,154	199,785			89,766	14,626	95,392		95,392	484,642	1.95
2025	284,647	145,675	430,322	216,207	214,116			92,010	14,992	107,113		107,113	591,756	1.99
2026	300,428	151,040	451,468	222,401	229,067			94,311	15,367	119,390		119,390	711,145	2.03
2027	316,821	156,581	473,403	228,743	244,660			96,668	15,751	132,241		132,241	843,386	2.07
2028	333,846	162,306	496,152	235,227	260,924			99,085	16,145	145,690		145,690	989,076	2.11
2029	351,524	168,218	519,742	241,870	277,872			101,562	16,548	159,761		159,761	1,148,837	2.15
2030	369,877	174,325	544,202	248,670	295,532			104,101	16,962	174,469		174,469	1,323,306	2.19
2031	388,929	180,632	569,560	255,633	313,927			106,704	17,386	189,837		189,837	1,513,143	2.23
2032	408,701	187,145	595,846	262,761	333,085			109,371	17,821	205,893		205,893	1,719,036	2.27
2033	429,219	193,871	623,090	270,007	353,084	5,424		112,106	18,266	217,298		217,298	1,936,324	2.31
2034	450,508	200,816	651,324	277,339	373,986	9,282		114,908	18,723	231,072		231,072	2,167,396	2.35
2035	472,593	207,988	680,581	284,766	395,815	13,777		117,781	19,191	245,066		245,066	2,412,462	2.39
2036	495,500	215,392	710,893	292,332	418,561	14,272		120,726	19,671	263,893		263,893	2,676,356	2.43
2037	519,258	223,037	742,295	300,074	442,222	14,776		123,744	20,162	283,539		283,539	2,959,895	2.47
2038	543,893	230,930	774,823	309,041	465,782	15,303		126,837	20,667	302,975		302,975	3,262,870	2.51
2039	569,436	239,077	808,514	322,482	486,032	15,840		130,008	21,183	319,000		319,000	3,581,870	2.51
2040	595,916	247,488	843,405	336,408	506,996	16,396		133,258	21,713	335,629		335,629	3,917,499	2.51
2041	623,365	256,170	879,535	350,826	528,708	16,974		136,590	22,256	352,889		352,889	4,270,388	2.51
2042	651,813	265,131	916,944	365,759	551,185	17,569		140,005	22,812	370,799		370,799	4,641,187	2.51
2043	681,294	274,380	955,674	381,398	574,277			143,505	23,382	407,390		407,390	5,048,577	2.51
2044	711,841	283,926	995,768	397,767	598,001			147,092	23,967	426,942		426,942	5,475,519	2.50
2045	743,491	293,778	1,037,269	414,713	622,556			150,770	24,566	447,220		447,220	5,922,739	2.50
2046	776,278	303,945	1,080,222	432,253	647,969			154,539	25,180	468,250		468,250	6,390,989	2.50
2047	810,239	314,436	1,124,675	45,338	1,079,338			158,402	25,810	489,126		489,126	6,896,115	2.50
2048	845,413	325,263	1,170,676		1,170,676			162,362	26,455	511,151		511,151	7,426,266	2.50
2049	881,840	336,434	1,218,274		1,218,274			166,421	27,116	1,024,736		1,024,736	7,971,009	2.50
2050	919,560	347,960	1,267,520		1,267,520			170,582	27,794	1,069,143		1,069,143	8,530,153	2.50
2051	958,614	359,852	1,318,466		1,318,466			174,847	28,489	1,115,131		1,115,131	9,095,284	2.50
2052	999,046	372,122	1,371,168		1,371,168			179,218	29,201	1,162,749		1,162,749	9,677,033	2.50
2053	1,040,901	384,780	1,425,681		1,425,681			183,698	29,931	1,212,052		1,212,052	10,274,086	2.50
2054	1,084,225	397,838	1,482,063		1,482,063			188,291	30,680	1,263,093		1,263,093	10,897,179	2.50
2055	1,129,064	411,309	1,540,372		1,540,372			192,998	31,447	1,315,928		1,315,928	11,543,107	2.50
<b>Total:</b>	<b>21,003,024</b>	<b>8,704,054</b>	<b>29,707,078</b>	<b>7,641,532</b>	<b>22,065,546</b>	<b>139,613</b>		<b>4,739,304</b>	<b>755,813</b>	<b>16,430,805</b>		<b>16,430,805</b>	<b>16,430,805</b>	