APPENDIX A

1996 Project R-2247 FEIS
Project Alternative Arterial Comparisons (2015)

TABLE 2.5-2

PROJECT ALTERNATIVE ARTERIAL COMPARISONS; 2015

Road Name	From	To	Type of Facility	(2) Capacity	(1) Volume No-Build	(1) Volume WEST-A	(1) Volume EAST-B	v/c No-Build	v/c Revised No-Build	v/c WEST-A	v/c EAST-B	LOS No-Build	LOS Revised No-Build	LOS WEST-A	LOS EAST-B
Business I-40	Harper Rd.	Lewisville-Clemmons Rd.	Freeway	75000	85000	85000	85000	1.13	1.13	1.13	1.13	F	F	F	F
Business I-40	Lewisville-Clemmons Rd.	Beltway Alt A	Freeway	75000	85000	85000	75000	1.13	1.13	1.13	1.00 * #	F	F	F	E * #
Business I-40	Beltway Alt A	McGregor Rd.	Freeway	75000	85000	70000	75000	1.13	1.13	0.93 * #	1.00 * #	F	F	E * #	E * #
Business I-40	Jonestown Rd.	US 421	Freeway	75000	85000	70000	65000	1.13	1.13	0.93 * #	0.87 * #	F	F	E * #	D * #
Business I-40	US 421	Old Vineyard Rd.	Freeway	54000	60000	55000	55000	1.11	1.11	1.02 * #	1.02 * #	F	F	F	F
Business I-40	Old Vineyard Rd.	Silas Creek Pkwy.	Freeway	54000	60000	55000	55000	1.11	1.11	1.02 * #	1.02 * #	F	F	F	F
Business I-40	Silas Creek Pkwy.	Knollwood St.	Freeway	54000	60000	60000	55000	1.11	1.11	1.11	1.02 * #	F	F	F	F
Business I-40	Williams	US 52	Freeway	54000	50000	50000	49000	0.93	0.93	0.93	0.91 * #	D	D	D	D
Business I-40	US 52	Martin Luther King, Jr. Dr.	Freeway	75000	55000	50000	50000	0.73	1.02	0.67 * #	0.67 * #	C	F	C #	C #
Business I-40	Kerners Mill Creek	Southside Loop	Freeway	50000	65000	65000	65000	1.30	1.20	1.30	1.30	F	F	F	F
US 421	Shallowford Rd.	Concord Church Rd.	Expressway	54000	18000	19000	19000	0.33	0.33	0.35	0.35	A	A	B	B
US 421	Concord Church Rd.	Beltway Option R	Expressway	54000	21000	19000	23000	0.39	0.39	0.35 * #	0.43	B	B	B	B
US 421	Beltway Option R	Lewisville-Clemmons Rd.	Expressway	54000	21000	19000	23000	0.39	0.39	0.35 * #	0.43	B	B	B	B
US 421	Lewisville-Clemmons Rd.	Beltway Alt A	Expressway	54000	48000	41000	50000	0.89	0.89	0.76 * #	0.93	D	D	C * #	D
US 421	Beltway Alt A	Peace Haven Rd.	Expressway	54000	48000	55000	48000	0.89	0.89	1.02	0.89	D	D	F	D
US 421	Peace Haven Rd.	Jonestown Rd.	Expressway	54000	54500	60000	65300	1.01	1.01	1.11	1.21	F	F	F	F
US 421	Jonestown Rd.	I-40	Expressway	54000	65000	70000	65000	1.20	1.20	1.30	1.20	F	F	F	F
I-40 (New)	Business I-40	Stratford Rd. (US 158)	Freeway	81000	90000	80000	75000	1.11	1.11	0.99 * #	0.93 * #	F	F	E * #	D * #
I-40 (New)	Main St.	US 52	Freeway	75000	95000	95000	95000	1.27	1.17	1.27 #	1.27	F	F	F	F
I-40 (New)	US 52	Old Lexington Rd.	Freeway	75000	90000	85000	90000	1.20	1.11	1.13 *	1.20	F	F	F	F
I-40 (New)	US 311	Union Cross Rd.	Freeway	50000	60000	60000	60000	1.20	0.74	1.20	1.20	F	C	F	F
East Beltway	US 52	University Pkwy.	Expressway	50000	24000	30000	34000	0.48	0.48	0.60	0.68	B	B	C	C
East Beltway	University Pkwy.	Germanton (NC 8)	Expressway	50000	30000	30000	33000	0.60	0.60	0.60	0.66	C	C	C	C
East Beltway	NC 66	Bunt Mountain Rd.	Expressway	50000	36000	37000	38000	0.72	0.72	0.74	0.76	C	C	C	C
East Beltway	Old Walkertown Rd.	New Walkertown Rd. (US 311)	Expressway	50000	40000	41000	39000	0.80	0.80	0.82	0.78 * #	D	D	D	D
East Beltway	East Winston Pkwy.	Business I-40	Expressway	50000	41000	39000	39000	0.82	0.82	0.78 * #	0.78 * #	D	D	D	D
US 52	Stokes County	King-Tobaccoville Rd.	Expressway	50000	48000	48000	48000	0.96	0.96	0.96	0.96	E	E	E	E
US 52	Tobaccoville Rd.	Beltway Option R	Expressway	50000	47000	45000	45000	0.94	0.94	0.90 * #	0.90 * #	E	E	D * #	D * #
US 52	Beltway Option R	Westinghouse Rd.	Expressway	50000	47000	45000	45000	0.94	0.94	0.90 * #	0.90 * #	E	E	D * #	D * #
US 52	Westinghouse Rd.	Beltway Alt A	Expressway	50000	50000	55000	44000	1.00	1.00	1.10	0.88 * #	E	E	F	D * #
US 52	Beltway Alt A	NC 65	Expressway	50000	50000	43000	44000	1.00	1.00	0.86 * #	0.88 * #	E	E	D * #	D * #
US 52	NC 65	NC 66 Connector	Expressway	54000	65000	47000	49000	1.20	1.30	0.87 * #	0.91 * #	F	F	D * #	D * #
US 52	NC 66 Connector	Zigler Rd.	Expressway	54000	39000	45000	49000	0.72	0.78	0.83	0.91	C	C	D	D
US 52	Zigler Rd.	Hanes Mill Rd.	Expressway	54000	39000	45000	49000	0.72	0.72	0.83	0.91	C	C	D	D
US 52	Hanes Mill Rd.	University Pkwy.	Expressway	54000	36000	37000	38000	0.67	0.67	0.69	0.70	C	C	C	C
US 52	University Pkwy.	Oak Summit Rd.	Expressway	54000	44000	43000	44000	0.81	0.81	0.80 * #	0.81	D	D	D	D
US 52	Akron Dr.	Glenn Ave.	Expressway	54000	49000	48000	48000	0.91	0.91	0.89 * #	0.89 * #	D	D	D	D
US 52	Maple Ave.	Business I-40	Expressway	54000	44000	43000	43000	0.81	0.81	0.80 * #	0.80 * #	D	D	D	D
US 52	Business I-40	Stadium Dr.	Expressway	54000	55000	55000	55000	1.02	1.02	1.02	1.02	F	F	F	F
US 52	E. Sprague St.	I-40 (New)	Expressway	50000	50000	47000	46000	1.00	0.93	0.94 *	0.92 * #	E	D	E	D *
US 52	I-40 (New)	Clemmonsville Rd.	Expressway	50000	27000	26000	26000	0.54	0.50	0.52 *	0.52 *	B	B	B	B
Stratford Rd. (US 158)	Bethesda Rd.	Silas Creek Pkwy.	Arterial	26000	25000	26000	27000	0.96	0.96	1.00	1.04	E	E	E	F
Stratford Rd. (US 158)	Silas Creek Pkwy.	Old Vineyard Rd.	Arterial	32000	44000	42000	41000	1.38	1.69	1.31 * #	1.28 * #	F	F	F	F
Stratford Rd. (US 158)	I-40 (New)	Burke Mill Rd.	Arterial	32000	18000	16000	16000	0.56	0.69	0.50 * #	0.50 * #	A	B	A #	A #
Stratford Rd. (US 158)	Sommerset Dr.	Clemmonsville Rd.	Arterial	26000	14000	21000	22000	0.54	0.54	0.81	0.85	A	A	D	D
Stratford Rd. (US 158)	Clemmonsville Rd.	Lockwood Dr.	Arterial	26000	13000	35000	16000	0.50	0.50	1.35	0.62	A	A	F	B
Stratford Rd. (US 158)	Lockwood Dr.	Fraternity Church Rd.	Arterial	26000	13000	15000	15000	0.50	0.50	0.58	0.58	A	A	A	A
Stratford Rd. (US 158)	Fraternity Church Rd.	Muddy Creek	Arterial	26000	12000	12000	13000	0.46	0.46	0.46	0.50	A	A	A	A
Stratford Rd. (US 158)	Hampton Rd.	Middlebrook Dr.	Arterial	8000	6500	7500	7500	0.81	0.81	0.94	0.94	D	D	E	E
Stratford Rd. (US 158)	Middlebrook Dr.	Clinard Rd.	Arterial	8000	9000	10000	10000	1.13	1.13	1.25	1.25	F	F	F	F
Reynolds Rd. NC 67	Yadkin County	Waller Rd		12000	4100	4100	4100	0.34	0.34	0.34	0.34	A	A	A	A
Reynolds Rd. NC 67	Waller Rd.	Vienna-Dozier Rd.	Arterial	12000	3700	3700	3700	0.31	0.31	0.31	0.31	A	A	A	A
Reynolds Rd. NC 67	Vienna-Dozier Rd.	Tobaccoville Rd.		12000	9900	5200	5900	0.83	0.83	0.43 * #	0.49 * #	D	D	A * #	A * #
Reynolds Rd. NC 67	Tobaccoville Rd.	Mounford Rd.		12000	10200	10500	10500	0.85	1.28	0.88 #	0.88 #	D	F	D #	D #
Reynolds Rd. NC 67	Mounford Rd.	Beltway Option R	Arterial	12000	10000	11000	10000	0.83	1.25	0.92 #	0.83 #	D	F	E #	D #
Reynolds Rd. NC 67	Beltway Option R	Seward Rd.	Arterial	12000	10000	11000	10000	0.83	1.25	0.92 #	0.83 #	D	F	E #	D #
Reynolds Rd. NC 67	Seward Rd.	Beltway Alt A	Arterial	12000	12000	16000	14000	1.00	1.50	1.33 #	1.17 #	E	F	F	F #
Reynolds Rd. NC 67	Beltway Alt A	Bethania-Tobaccoville Rd.	Arterial	12000	12000	13000	9000	1.00	1.50	1.08 #	0.75 * #	E	F	F	C * #
Reynolds Rd. NC 67	Bethania-Tobaccoville Rd.	Grandview Club Rd.		12000	7200	10200	6400	0.60	0.90	0.85 #	0.53 #	A	D	D	A #
Reynolds Rd. NC 67	Grandview Club Rd.	Muddy Creek	Arterial	20000	11000	13000	7500	0.55	1.38	0.65 #	0.38 * #	A	F	B #	A #
Reynolds Rd. NC 67	Muddy Creek	Shattalon Dr.	Arterial	20000	11000	13000	7500	0.55	0.42	0.65	0.38 * #	A	A	B	A
Reynolds Rd. NC 67	Shattalon Dr.	Pratt Rd.		26000	9000		6000	0.35	0.35	0.00	0.23 * #	A	A		A
Reynolds Rd. NC 67	Pratt Rd.	Yadkinville Rd.	Arterial	26000	15000	16000	12000	0.58	0.58	0.62	0.46 * #	A	A	B	A
Reynolds Rd. NC 67	Yadkinville Rd.	Walnut Ave.	Arterial	26000	18000	17000	18000	0.69	0.68	0.65 * #	0.69	B	B	B	B

TABLE 2.5-2

PROJECT ALTERNATIVE ARTERIAL COMPARISONS; 2015

Road Name	From	To	Type of Facility	(2) Capacity	(1) Volume No-Build	(1) Volume WEST-A	(1) Volume EAST-B	v/c No-Build	v/c Revised No-Build	v/c WEST-A		v/c EAST-B		LOS No-Build	LOS Revised No-Build	LOS WEST-A		LOS EAST-B	
Reynolds Rd. NC 67	Walnut Ave.	Old Town Dr.		26000	17700			0.68		0.00		0.00		B					
Reynolds Rd. NC 67	Old Town Dr.	Old Town Rd.		26000	27900	26800	28100	1.07	1.07	1.03	* #	1.08		F	F	F		F	
Reynolds Rd. NC 67	Old Town Rd.	N. Point Ext. Cutoff		20000	26500	28300	30600	1.33	1.02	1.42		1.53		F	F	F		F	
Reynolds Rd. NC 67	N. Point Ext. Cutoff	Ranson/Polo		20000	16600	17100	17000	0.83	0.64	0.86		0.85		D	B	D		D	
Reynolds Rd. NC 67	Ranson/Polo	Herning Dr.		20000	15100	15700	15900	0.76	0.58	0.79		0.80		C	A	C		C	
Reynolds Rd. NC 67	Herning Dr.	Old Silas Creek Pkwy.	Arterial	20000	19000	20000	20000	0.95	0.54	1.00		1.00		E	A	E		E	
Reynolds Rd. NC 67	Old Silas Creek Pkwy.	Monticello Dr.	Arterial	14000	14000	15000	16000	1.00	1.00	1.07		1.14		E	E	F		F	
Reynolds Rd. NC 67	Monticello Dr.	Coliseum Dr.		14000	13200	13900	14400	0.94	0.94	0.99		1.03		E	E	E		F	
Reynolds Rd. NC 67	Coliseum Dr.	Arbor Rd.		16000	14200	14000	13900	0.89	0.89	0.88	* #	0.87	* #	D	D	D		D	
Reynolds Rd. NC 67	Arbor Rd.	Stratford Rd.		16000	11500	12300	12400	0.72	0.72	0.77		0.78		C	C	C		C	
NC 65	US 52	Mizpah Church Rd.	Arterial	20000	12000	7000	5000	0.60	1.00	0.35	* #	0.25	* #	A	E	A	#	A	#
NC 65	Mizpah Church Rd.	Zigler Rd.		20000	12200	7100	11400	0.61	1.02	0.36	* #	0.57	* #	A	F	A	#	A	#
NC 65	Zigler Rd.	Murray Rd.		20000	15500	7000	9800	0.78	1.29	0.35	* #	0.49	* #	C	F	A	* #	A	* #
NC 65	Murray Rd.	Walker Rd.	Arterial	20000	10000	2300	2400	0.50	0.83	0.12	* #	0.12	* #	A	D	A	#	A	#
NC 65	Walker Rd.	Bethania-Tobaccoville Rd.		20000	10400	3000	3200	0.52	0.87	0.15	* #	0.16	* #	A	D	A	#	A	#
NC 65	Bethania-Tobaccoville Rd.	Bethania Rd.		12000	15200	7900	7000	1.27	1.27	0.66	* #	0.58	* #	F	F	B	* #	A	* #
NC 65	Bethania Rd.	Reynolds Rd. NC 67		12000	5600	500	700	0.47	0.70	0.04	* #	0.06	* #	A	B	A	#	A	#
University Pkwy.	Rural Hall Loop			9000	4200	4200	4200	0.47	0.53	0.47	#	0.47	#	A	A	A		A	
University Pkwy.		Tobaccoville-Westinghouse Rd.		9000	4200	4600	3800	0.47	0.53	0.51	#	0.42	* #	A	A	A		A	
University Pkwy.	Tobaccoville-Westinghouse	Rural Hall Loop	Arterial	22000	4900	6000	4500	0.22	0.54	0.27	#	0.20	* #	A	A	A		A	
University Pkwy.	Rural Hall Loop			22000	7300	6400	7400	0.33	0.81	0.29	* #	0.34	#	A	A	A		A	
University Pkwy.		Webster Rd.		22000	16100	15900	10700	0.73	1.79	0.72	* #	0.49	* #	C	C	C		A	#
University Pkwy.	Webster Rd.	NC 66 Connector	Arterial	22000	19000	13000	19000	0.86	0.79	0.59	* #	0.86		D	D	A	* #	D	
University Pkwy.	NC 66 Connector	Old Hollow NC 66		22000	18500	14500	18600	0.84	0.77	0.66	* #	0.85		D	D	B	* #	D	
University Pkwy.	Old Hollow NC 66	Zigler Rd.		30000	16200	12500	13200	0.54	0.68	0.42	* #	0.44	* #	A	A	A		A	
University Pkwy.	Zigler Rd.	Stanleyville Rd.		30000	16000	13200	13300	0.53	0.67	0.44	* #	0.44	* #	A	A	A		A	
University Pkwy.	Stanleyville Rd.	Hanes Mill Rd.		24000	17900	16400	16700	0.75	0.75	0.68	* #	0.70	* #	C	C	B	* #	B	* #
University Pkwy.	Hanes Mill Rd.	Patterson Ave.		35000	28800	27800	27000	0.82	1.20	0.79	* #	0.77	* #	D	D	C	* #	C	* #
University Pkwy.	Patterson Ave.	US 52	Arterial	35000	27000	26000	26000	0.77	0.77	0.74	* #	0.74	* #	C	C	C		C	
University Pkwy.	US 52	Hanes Mill Rd.	Arterial	32000	29000	32000	31000	0.91	0.83	1.00		0.97		E	E	E		E	
University Pkwy.	Hanes Mill Rd.	Shattalon Dr.		32000	33800	35300	34300	1.06	0.97	1.10		1.07		F	F	F		F	
University Pkwy.	Shattalon Dr.	Cherry St.		32000	32500	34400	34000	1.02	0.93	1.08		1.06		F	F	F		F	
University Pkwy.	Cherry St.	Bethabara Bypass	Arterial	32000	20000	21000	21000	0.63	0.57	0.66		0.66		B	B	B		B	
University Pkwy.	Bethabara Bypass	North Point		32000	25200	26000	25700	0.79	0.72	0.81		0.80		C	C	D		C	
University Pkwy.	North Point	Bethabara Rd.		35000	26000	25500	24600	0.74	0.74	0.73	* #	0.70	* #	C	C	C		B	* #
University Pkwy.	Reynolds Blvd.	Coliseum Dr.	Arterial	38000	44000	43000	43000	1.16	1.38	1.13	* #	1.13	* #	F	F	F		F	
Silas Creek Pkwy.	Bethabara Rd.	Silas Creek Pkwy. Spur	Arterial	32000	30000	33000	36000	0.94	1.15	1.03	#	1.13	#	E	F	F		F	
Silas Creek Pkwy.	Polo Rd.	Reynolds Rd. (NC 67)	Arterial	32000	27000	26000	26000	0.84	1.04	0.81	* #	0.81	* #	D	F	D	#	D	#
Silas Creek Pkwy.	Reynolds Rd. (NC 67)	Old Silas Creek Pkwy.	Arterial	32000	24000	23000	23000	0.75	0.92	0.72	* #	0.72	* #	C	E	C	#	C	#
Silas Creek Pkwy.	Partridge Ln.	Robinhood Rd.	Arterial	24000	27000	26000	28000	1.13	1.04	1.08	*	1.17		F	F	F		F	
Silas Creek Pkwy.	Business I-40	Stratford Rd. (US 158)	Arterial	32000	41000	39000	39000	1.28	1.08	1.22	*	1.22	*	F	F	F		F	
Silas Creek Pkwy.	Stratford Rd. (US 158)	Hanes Mall Blvd.	Arterial	32000	32000	29000	30000	1.00	0.84	0.91	*	0.94	*	E	D	E		E	
Bethania-Tobaccoville Rd.	Tobaccoville Rd.	Griffin Rd.		18000	9600	16100	14800	0.53	1.20	0.89	#	0.82	#	A	F	D	#	D	#
Bethania-Tobaccoville Rd.	Griffin Rd.	Beltway Option R	Arterial	18000	5000	12000	17000	0.28	0.63	0.67		0.94		A	B	B		E	
Bethania-Tobaccoville Rd.	Beltway Option R	Beltway Alt A	Arterial	18000	5000	12000	17000	0.28	0.63	0.67		0.94		A	B	B		E	
Bethania-Tobaccoville Rd.	Beltway Alt A	Turfwood Dr.	Arterial	18000	5000	5000	3900	0.28	0.63	0.28	#	0.22	* #	A	B	A	#	A	#
Bethania-Tobaccoville Rd.	Turfwood Dr.	NC 65		12000	8100	5200	3700	0.68	1.01	0.43	#	0.31	#	B	F	A	* #	A	* #
Bethania-Tobaccoville Rd.	NC 65	Bethania Rd.	Arterial	12000	15000	8000	7000	1.25	1.25	0.67	* #	0.58	* #	F	F	B	* #	A	* #
Bethania-Tobaccoville Rd.	Bethania Rd.	Reynolds Rd. (NC 67)	Arterial	12000	5500	550	650	0.46	0.46	0.05	* #	0.05	* #	A	A	A		A	
Clemmonsville Road	Stratford Rd. (US 158)	Griffith Road	Arterial	20000	9300	19000	19300	0.47	1.16	0.95	#	0.97	#	A	F	E	#	E	#
Country Club Rd.	Meadowlark Dr.	Beltway Alt B	Arterial	20000	20000	16000	16000	1.00	2.50	0.80	* #	0.80	* #	E	F	C	* #	C	* #
Country Club Rd.	Beltway Alt B	Phillips Bridge	Arterial	20000	20000	16000	23000	1.00	2.50	0.80	* #	1.15	#	E	F	C	* #	F	
Country Club Rd.	Phillips Bridge	Peace Haven	Arterial	20000	29500	25300	25000	1.48	3.69	1.27	* #	1.25	* #	F	F	F		F	
Country Club Rd.	Garden Dr.	Silas Creek Pkwy.	Arterial	14000	19000	18000	16000	1.36	1.19	1.29	* #	1.14	* #	F	F	F		F	
Country Club Rd.	Silas Creek Pkwy.	Lawndale	Arterial	14000	11000	11000	11000	0.79	0.69	0.79		0.79		C	C	C		C	
Jonestown Rd.	Country Club Rd.	US 421		26000	35700	34500	29200	1.37	1.37	1.33	* #	1.12	* #	F	F	F		F	
Jonestown Rd.	US 421	Vest Mill Rd.		26000	20500	19100	24100	0.79	0.79	0.73	* #	0.93		C	C	C		E	
Jonestown Rd.	Vest Mill Rd.	Mc Gregor Rd.	Arterial	26000	3300	1800	1000	0.13	0.13	0.07	* #	0.04	* #	A	A	A		A	
Jonestown Rd.	Mc Gregor Rd.	Stratford Rd. US 158		12000	10300	1200	400	0.86	1.29	0.10	* #	0.03	* #	D	F	A	* #	A	* #
King-Tobbaccoville Rd.	US 52	Tobaccoville Rd.		20000	7100	8300	8400	0.36	0.89	0.42	#	0.42	#	A	D	A		A	
Lewisville-Clemmons Rd.	Shallowford	Reynolds	Arterial	12000	14000	7000	9400	1.17	1.75	0.58	* #	0.78	* #	F	F	A	* #	C	* #

TABLE 2.5-2

PROJECT ALTERNATIVE ARTERIAL COMPARISONS; 2015

Road Name	From	To	Type of Facility	(2) Capacity	(1) Volume No-Build	(1) Volume WEST-A	(1) Volume EAST-B	v/c No-Build	v/c Revised No-Build	v/c WEST-A			v/c EAST-B			LOS No-Build	LOS Revised No-Build	LOS WEST-A			LOS EAST-B		
Lewisville-Clemmons Rd.	Reynolds	Styers Ferry Rd.	Arterial	12000	5300	3500	5900	0.44	0.66	0.29	*	#	0.49		#	A	B	A		#	A		#
Lewisville-Clemmons Rd.	Styers Ferry Rd.	US 421	Arterial	26000	27500	16000	19500	1.06	2.29	0.62	*	#	0.75	*	#	F	F	B	*	#	C	*	#
Lewisville-Clemmons Rd.	US 421	Peace Hvn-Styers Fry Ctr	Arterial	26000	12100	1700	2300	0.47	1.01	0.07	*	#	0.09	*	#	A	F	B		#	C		#
Lewisville-Clemmons Rd.	Peace Hvn-Styers Fry Ctr	Peace Haven	Arterial	26000	5400	5900	11300	0.21	0.45	0.23		#	0.43		#	A	A	A			A		
Lewisville-Clemmons Rd.	Peace Haven	I-40	Arterial	26000	23400	15600	28300	0.90	0.90	0.60	*	#	1.09			D	D	A	*	#	F		
Lewisville-Clemmons Rd.	I-40	Stratford Rd. (US 158)	Arterial	26000	23700	16000	19500	0.91	0.91	0.62	*	#	0.75	*	#	E	E	E	*		E	*	
Lewisville-Vienna Rd.	Yadkinville Rd.	Robinhood Rd.	Arterial	12000	8000	3000	1700	0.67	1.00	0.25	*	#	0.14	*	#	B	E	A	*	#	A	*	#
Lewisville-Vienna Rd.	Robinhood Rd.	Franklin		12000	11300	5000	3400	0.94	1.41	0.42	*	#	0.28	*	#	E	F	A	*	#	A	*	#
Lewisville-Vienna Rd.	Franklin	Grapevine		12000	10100	4200	2500	0.84	1.26	0.35	*	#	0.21	*	#	D	F	A	*	#	A	*	#
Lewisville-Vienna Rd.	Grapevine	Shallowford		12000	16100	9700	8200	1.34	2.01	0.81	*	#	0.68	*	#	F	F	D	*	#	B	*	#
Meadowlark Dr.	Robinhood Dr.	Country Club Rd.	Arterial	14000	17000	750	160	1.21	2.13	0.05	*	#	0.01	*	#	F	F	A	*	#	A	*	#
McGregor Rd.	Peace Haven	Jonestown Rd.		12000	7900	400	500	0.66	0.99	0.03	*	#	0.04	*	#	B	E	A	*	#	A	*	#
Milhaven	Robinhood Dr.	Peace Haven		14000	4200	2300	3000	0.30	0.53	0.16	*	#	0.21	*	#	A	A	A			A		
Murray Rd.	NC 65	Walker Rd.		14000	3300	2700	2900	0.24	0.41	0.19	*	#	0.21	*	#	A	A	A			A		
Murray Rd.	Walker Rd.	Becks Church		14000	4100	3300	3500	0.29	0.51	0.24	*	#	0.25	*	#	A	A	A			A		
Murray Rd.	Becks Church	Shattalon Dr.		14000	5300	3900	3400	0.38	0.66	0.28	*	#	0.24	*	#	A	B	A		#	A		#
Olivet Church Rd.	Yadkinville Rd.	Spicewood Dr.	Arterial	12000	9000	1600	850	0.75	1.13	0.13	*	#	0.07	*	#	C	F	A	*	#	A	*	#
Olivet Church Rd.	Spicewood Dr.	Robinhood Road		12000	11800	5200	1900	0.98	1.48	0.43	*	#	0.16	*	#	E	F	A	*	#	A	*	#
Peace Haven Rd.	Robinhood Road	Hertford	Arterial	14000	18000	18500	18300	1.29	2.25	1.32		#	1.31		#	F	F	F			F		
Peace Haven Rd.	Hertford	Milhaven	Arterial	14000	14500	15300	19000	1.04	1.81	1.09		#	1.36		#	F	F	F			F		
Peace Haven Rd.	Milhaven	Country Club	Arterial	14000	16000	15000	15000	1.14	2.00	1.07	*	#	1.07	*	#	F	F	F			F		
Peace Haven Rd.	Country Club	US 421	Arterial	14000	17000	13000	9000	1.21	2.13	0.93	*	#	0.64	*	#	F	F	E	*	#	B	*	#
Peace Haven Rd.	US 421	Peace Hvn-Styers Fry Ctr	Arterial	14000	16000	16000	22000	1.14	2.00	1.14		#	1.57		#	F	F	F			F		
Peace Haven Rd.	Peace Hvn-Styers Fry Ctr	Lewisville-Clemmons Rd.	Arterial	14000	13600	13800	20600	0.97	1.70	0.99		#	1.47		#	E	F	E			F		
Robinhood Rd.	Lewisville-Vienna Rd.	Beltway Option R	Arterial	12000	3900	3000	1900	0.33	0.49	0.25	*	#	0.16	*	#	A	A	A			A		
Robinhood Rd.	Beltway Option R	Chickasha Rd.	Arterial	12000	3900	3000	1900	0.33	0.49	0.25	*	#	0.16	*	#	A	A	A			A		
Robinhood Rd.	Chickasha Rd.	Beltway Alt A	Arterial	12000	7500	8500	5500	0.63	0.94	0.71		#	0.46	*	#	B	D	C		#	A	*	#
Robinhood Rd.	Beltway Alt A	Olivet Church Rd.	Arterial	12000	7500	13000	5500	0.63	0.94	1.08			0.46	*	#	B	D	F			A	*	#
Robinhood Rd.	Olivet Church Rd.	Beltway Alt B	Arterial	20000	13000	12000	7500	0.65	1.63	0.60	*	#	0.38	*	#	B	F	A	*	#	A	*	#
Robinhood Rd.	Beltway Alt B	Muddy Creek	Arterial	20000	13000	12000	20000	0.65	1.63	0.60	*	#	1.00		#	B	F	A	*	#	E		#
Robinhood Rd.	Whitaker Dr.	Silas Creek Pkwy.	Arterial	26000	23000	22000	23000	0.88	1.15	0.85	*	#	0.88		#	D	F	D		#	D		#
Shallowford Rd.	Shamrock Lane	Shady Brook Ln.	Arterial	12000	4700	9500	4700	0.39	0.59	0.79			0.39		#	A	A	C			A		
Shallowford Rd.	Shady Brook Ln.	Beltway Alt A	Arterial	12000	4700	9500	4700	0.39	0.59	0.79			0.39		#	A	A	C			A		
Shallowford Rd.	Beltway Alt A	Styers Ferry Rd.	Arterial	12000	4700	11000	4700	0.39	0.59	0.92			0.39		#	A	A	E			A		
Shattalon Dr.	US 52	University Pkwy.		7000	8200	7700	7500	1.17	1.03	1.10	*		1.07	*		F	F	F			F		
Shattalon Dr.	University Pkwy.	Bethania Station		26000	15900	14200	13100	0.61	0.61	0.55	*	#	0.50	*	#	B	B	A	*	#	A	*	#
Shattalon Dr.	Bethania Station Rd.	Murray Rd.	Arterial	14000	12000	3300	2700	0.86	1.50	0.24	*	#	0.19	*	#	D	F	A	*	#	A	*	#
Shattalon Dr.	Murray Rd.	Vista Circle		14000	6700	4800	4000	0.48	0.84	0.34	*	#	0.29	*	#	A	D	A		#	A		#
Shattalon Dr.	Vista Circle	Shattalon Circle		14000	7400	5600	5000	0.53	0.93	0.40	*	#	0.36	*	#	A	E	A		#	A		#
Shattalon Dr.	Shattalon Circle	Bethabara Rd.		14000	10600	8700	8700	0.76	1.33	0.62	*	#	0.62	*	#	C	F	B	*	#	B	*	#
Shattalon Dr.	Bethabara Rd.	Reynolds Road NC 67		14000	7800	6000	6000	0.56	0.98	0.43	*	#	0.43	*	#	A	E	A		#	A		#
Shattalon Dr.	Reynolds Road NC 67	Leinbach Dr.		14000	9700	6800	5000	0.69	1.21	0.49	*	#	0.36	*	#	B	F	A	*	#	A	*	#
Shattalon Dr.	Leinbach Dr.	Yadkinville Rd.		14000	11500	6800	8100	0.82	1.44	0.49	*	#	0.58	*	#	D	F	A	*	#	A	*	#
Shattalon Dr.	Yadkinville Rd.	Old Pfafftown		14000	14700	10500	7500	1.05	1.84	0.75	*	#	0.54	*	#	F	F	C	*	#	A	*	#
Shattalon Dr.	Old Pfafftown	Petree Rd.		14000	12600	8500	5500	0.90	1.58	0.61	*	#	0.39	*	#	D	F	B	*	#	A	*	#
Shattalon Dr.	Petree Rd.	Robinhood Rd.	Arterial	14000	12600	8000	7000	0.90	1.58	0.57	*	#	0.50	*	#	D	F	A	*	#	A	*	#
Styers Ferry Rd.	Country Club Rd.	Phillips Bridge Road	Arterial	12000	10000	4100	5000	0.83	1.25	0.34	*	#	0.42	*	#	D	F	A	*	#	A	*	#
Styers Ferry Rd.	Phillips Bridge Road	US 421	Arterial	12000	19000	13000	12000	1.58	2.38	1.08	*	#	1.00	*	#	F	F	F			E	*	#
Transou Rd.	Yadkinville Rd.	Balsom Rd.		12000	8500	3100	4300	0.71	1.06	0.26	*	#	0.36	*	#	C	F	A	*	#	A	*	#
Transou Rd.	Balsom Rd.	Reynolds Rd. (NC 67)		12000	6000	1100	0	0.50	0.75	0.09	*	#	0.00	*	#	A	C	A		#	A		#
Walker Rd.	NC 65	Murray Rd.		12000	700	600	600	0.06	0.09	0.05	*	#	0.05	*	#	A	A	A			A		
Yadkinville Rd.	Conrad Rd.	Beroth Rd.	Arterial	11000	2000	1600	750	0.18	0.25	0.15	*	#	0.07	*	#	A	A	A			A		
Yadkinville Rd.	Beroth Rd.	Robinhood Rd.		11000	2000	1600	800	0.18	0.25	0.15	*	#	0.07	*	#	A	A	A			A		
Yadkinville Rd.	Robinhood Rd.	Vienna-Dozier Rd.		20000	2800	2600	2300	0.14	0.35	0.13	*	#	0.12	*	#	A	A	A			A		
Yadkinville Rd.	Vienna-Dozier Rd.	Lewisville-Vienna Rd.		20000	6100	2500	2900	0.31	0.76	0.13	*	#	0.15	*	#	A	C	A		#	A		#
Yadkinville Rd.	Lewisville-Vienna Rd.	Beltway Option R	Arterial	20000	5500	4600	2300	0.28	0.69	0.23	*	#	0.12	*	#	A	B	A		#	A		#

TABLE 2.5-2

PROJECT ALTERNATIVE ARTERIAL COMPARISONS; 2015

Road Name	From	To	Type of Facility	(2) Capacity	(1) Volume No-Build	(1) Volume WEST-A	(1) Volume EAST-B	v/c No-Build	v/c Revised No-Build	v/c WEST-A			v/c EAST-B			LOS No-Build	LOS Revised No-Build	LOS WEST-A			LOS EAST-B		
Yadkinville Rd.	Beltway Option R	Chickasha Rd.	Arterial	20000	5500	4600	2300	0.28	0.69	0.23	*	#	0.12	*	#	A	B	A		#	A		#
Yadkinville Rd.	Chickasha Rd.	Beltway Alt A	Arterial	20000	8000	7000	5000	0.40	1.00	0.35	*	#	0.25	*	#	A	E	A		#	A		#
Yadkinville Rd.	Beltway Alt A	Kecoughtan Dr.	Arterial	20000	8000	13000	5000	0.40	1.00	0.65		#	0.25	*	#	A	E	B		#	A		#
Yadkinville Rd.	Kecoughtan Dr.	Olivet Church Rd.		18000	7800	12700	2000	0.43	0.98	0.71		#	0.11	*	#	A	E	C		#	C		#
Yadkinville Rd.	Olivet Church Rd.	Transou Rd.	Arterial	20000	14000	5000	10000	0.70	1.75	0.25	*	#	0.50	*	#	B	F	A	*	#	A	*	#
Yadkinville Rd.	Transou Rd.	Beltway Alt B	Arterial	20000	11000	6500	22000	0.55	1.38	0.33	*	#	1.10		#	A	F	A		#	F		
Yadkinville Rd.	Beltway Alt B	Green Meadows	Arterial	20000	11000	6500	14000	0.55	1.38	0.33	*	#	0.70		#	A	F	A		#	B		#
Yadkinville Rd.	Green Meadows	Shattalon Dr.		20000	10400	5500	13100	0.52	1.30	0.28	*	#	0.66		#	A	F	A		#	B		#
Yadkinville Rd.	Shattalon Dr.	Reynolds Rd. (NC 67)		20000	14500	10100	13600	0.73	0.56	0.51	*	#	0.68			C	A	A	*		B	*	#
Yadkinville Rd.	Reynolds Rd. (NC 67)	Bethabara Rd.	Arterial	20000	14000	10000	[illegible]	0.70	0.54	0.50	*	#	0.40	*		B	A	A	*		A	*	
	Number of Roadway Sections in table			191	Number of Roadway Sections showing improvement						114	132		110	132				48	79		50	83
					Proportion of Roadway Sections showing improvement						0.60	0.69		0.58	0.69				0.25	0.41		0.26	0.43

FOOTNOTES

v/c = Volume / Capacity
LOS = Level of Service
* = Improvement over 2015 No-Build Conditions
# = Improvement over 2015 Revised No-Build

(1) All volumes are 2-way AADT
(2) Capacities are 2-way AADT capacities
(3) Highway Capacity Manual 1965, Special Report 87
(4) Highway Capacity Manual 1985, Special Report 209

Note: New I-40 may be widened in the future to accommodate projected traffic volumes.

LOS	Arterial Maximum V/C (3)	Freeway Maximum V/C (4)
A	0.60	0.35
B	0.70	0.54
C	0.80	0.77
D	0.90	0.93
E	1.00	1.00
F	> 1.00	> 1.00