

Node # / Intersection / Peak / Approach		2045 Design Year / Build Scenarios Delay (sec/veh) and LOS									
		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)				
225 SR 228 @ Franklin Rd											
AM	Overall Intersection	71.6	E	AM by Movement			45.8	D	AM by Movement		
By Approach / By Movement	SR 228 (EB)	25.2	C	L	41.2	D	32.7	C	L	54.2	D
				T	24.7	C			T	31.7	C
				R	7.7	A			R	12.5	B
	SR 228 (WB)	94.5	F	L	185.4	F	48.6	D	L	61.2	E
				T	75.7	E			T	46.8	D
				R	75.7	E			R	23.8	C
	Franklin Rd (NB)	69.0	E	L	118.1	F	43.3	D	L	58.2	E
				T	47.8	D			T	39.6	D
				R	32.3	C			R	27.5	C
	Franklin Rd (SB)	98.9	F	L	37.7	D	64.8	E	L	33.7	C
				T	126.2	F			T	78.0	E
				R	24.4	C			R	30.3	C
PM	Overall Intersection	100.4	F	PM by Movement			35.4	D	PM by Movement		
By Approach / By Movement	SR 228 (EB)	74.0	E	L	72.1	E	19.7	B	L	51.8	D
				T	78.1	E			T	12.8	B
				R	15.3	B			R	0.0	A
	SR 228 (WB)	83.4	F	L	78.6	E	38.8	D	L	64.5	E
				T	84.0	F			T	36.4	D
				R	84.0	F			R	21.6	C
	Franklin Rd (NB)	207.7	F	L	131.6	F	51.0	D	L	57.0	E
				T	336.3	F			T	53.7	D
				R	49.4	D			R	41.5	D
	Franklin Rd (SB)	55.7	E	L	55.8	E	62.2	E	L	50.9	D
				T	68.5	E			T	77.2	E
				R	26.3	C			R	39.2	D
SAT	Overall Intersection	42.5	D	SAT by Movement			30.1	C	SAT by Movement		
By Approach / By Movement	SR 228 (EB)	27.2	C	L	43.3	D	15.3	B	L	60.0	E
				T	27.6	C			T	11.2	B
				R	1.7	A			R	1.1	A
	SR 228 (WB)	40.4	D	L	67.4	E	26.3	C	L	62.5	E
				T	37.7	D			T	23.3	C
				R	37.7	D			R	13.4	B
	Franklin Rd (NB)	73.5	E	L	90.8	F	54.6	D	L	61.1	E
				T	79.9	E			T	57.0	E
				R	48.8	D			R	45.2	D
	Franklin Rd (SB)	64.5	E	L	65.0	E	63.1	E	L	57.2	E
				T	85.5	F			T	79.1	E
				R	38.5	D			R	50.0	D

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)				
230 SR 228 @ Castle Creek Dr (West) and High Pointe Dr (West)											
AM	Overall Intersection	62.1	E	AM by Movement			11.1	B	AM by Movement		
By Approach / By Movement	SR 228 (EB)	34.8	C	L	31.9	C	8.0	A	L	9.0	A
				T	37.1	D			T	8.3	A
				R	20.4	C			R	6.2	A
	SR 228 (WB)	81.7	F	L	14.7	B	6.4	A	L	3.1	A
				T	86.9	F			T	6.9	A
				R	0.0	A			R	0.6	A
	Castle Creek Dr (West) (NB)	65.9	E	L	70.1	E	45.1	D	L	46.6	D
				T	56.7	E			T	42.5	D
				R	56.7	E			R	42.5	D
	High Pointe Dr (West) (SB)	56.2	E	L	56.2	E	43.3	D	L	43.4	D
				T	56.5	E			T	43.5	D
				R	56.1	E			R	43.2	D
PM	Overall Intersection	112.5	F	PM by Movement			28.3	C	PM by Movement		
By Approach / By Movement	SR 228 (EB)	163.2	F	L	52.8	D	19.5	B	L	12.2	B
				T	185.9	F			T	20.9	C
				R	8.9	A			R	11.5	B
	SR 228 (WB)	42.4	D	L	63.1	E	33.9	C	L	29.5	C
				T	41.2	D			T	34.7	C
				R	0.0	A			R	11.1	B
	Castle Creek Dr (West) (NB)	140.0	F	L	187.5	F	47.7	D	L	53.3	D
				T	59.7	E			T	37.4	D
				R	59.7	E			R	37.4	D
	High Pointe Dr (West) (SB)	55.0	E	L	0.0	A	35.5	D	L	36.0	D
				T	55.4	E			T	35.5	D
				R	54.6	D			R	35.2	D
SAT	Overall Intersection	52.9	D	SAT by Movement			26.1	C	SAT by Movement		
By Approach / By Movement	SR 228 (EB)	24.3	C	L	178.1	F	16.1	B	L	15.8	B
				T	20.5	C			T	16.8	B
				R	0.5	A			R	10.9	B
	SR 228 (WB)	70.4	E	L	49.4	D	31.1	C	L	14.2	B
				T	71.3	E			T	32.3	C
				R	0.0	A			R	10.2	B
	Castle Creek Dr (West) (NB)	101.3	F	L	121.2	F	42.0	D	L	47.8	D
				T	56.2	E			T	31.4	C
				R	56.2	E			R	31.4	C
	High Pointe Dr (West) (SB)	55.6	E	L	0.0	A	29.8	C	L	30.2	C
				T	55.5	E			T	29.8	C
				R	55.6	E			R	29.6	C

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)				
235 SR 228 @ Castle Creek Dr (East) and High Pointe Dr (East)											
AM	Overall Intersection	47.3	D	AM by Movement			9.6	A	AM by Movement		
By Approach / By Movement	SR 228 (EB)	7.1	A	L	90.7	F	6.7	A	L	14.0	B
				T	4.4	A			T	6.2	A
				R	3.6	A			R	6.2	A
	SR 228 (WB)	69.7	E	L	6.7	A	5.4	A	L	2.7	A
				T	72.5	E			T	5.6	A
				R	3.4	A			R	2.9	A
	Castle Creek Dr (East) (NB)	64.1	E	L	66.7	E	47.4	D	L	49.2	D
				T	61.6	E			T	45.8	D
				R	61.6	E			R	45.8	D
	High Pointe Dr (East) (SB)	60.0	E	L	60.5	E	46.2	D	L	48.4	D
				T	59.9	E			T	45.1	D
				R	60.0	E			R	44.9	D
PM	Overall Intersection	51.6	D	PM by Movement			10.5	B	PM by Movement		
By Approach / By Movement	SR 228 (EB)	76.0	E	L	78.0	E	6.4	A	L	18.4	B
				T	78.4	E			T	5.4	A
				R	19.3	B			R	5.4	A
	SR 228 (WB)	15.8	B	L	60.3	E	5.7	A	L	11.2	B
				T	13.7	B			T	5.5	A
				R	5.0	A			R	4.8	A
	Castle Creek Dr (East) (NB)	69.3	E	L	64.8	E	49.1	D	L	47.6	D
				T	69.8	E			T	49.3	D
				R	69.8	E			R	49.3	D
	High Pointe Dr (East) (SB)	97.0	F	L	160.0	F	52.7	D	L	63.9	E
				T	65.0	E			T	48.1	D
				R	63.5	E			R	46.8	D
SAT	Overall Intersection	26.1	C	SAT by Movement			11.3	B	SAT by Movement		
By Approach / By Movement	SR 228 (EB)	11.0	B	L	61.8	E	6.7	A	L	30.4	C
				T	9.0	A			T	4.2	A
				R	2.6	A			R	4.2	A
	SR 228 (WB)	34.6	C	L	15.8	B	9.1	A	L	5.7	A
				T	35.2	D			T	9.4	A
				R	2.9	A			R	5.9	A
	Castle Creek Dr (East) (NB)	68.7	E	L	67.9	E	40.6	D	L	39.5	D
				T	68.9	E			T	40.7	D
				R	68.9	E			R	40.7	D
	High Pointe Dr (East) (SB)	65.9	E	L	66.1	E	42.4	D	L	48.7	D
				T	66.4	E			T	39.8	D
				R	65.7	E			R	38.9	D

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)				
240 SR 228 @ Seven Fields Blvd and Adams Ridge Shoppes											
AM	Overall Intersection	51.6	D	AM by Movement			10.0	B	AM by Movement		
By Approach / By Movement	SR 228 (EB)	11.3	B	L	70.9	E	4.8	A	L	28.2	C
				T	3.0	A			T	1.5	A
				R	2.0	A			R	2.1	A
	SR 228 (WB)	74.9	E	L	0.0	A	7.7	A	L	8.1	A
				T	80.4	F			T	8.1	A
				R	5.4	A			R	3.0	A
	Adams Ridge Shoppes (NB)	84.6	F	L	92.3	F	50.9	D	L	52.7	D
				T	60.0	E			T	44.6	D
				R	61.3	E			R	46.0	D
	Seven Fields Blvd (SB)	61.5	E	L	63.3	E	45.9	D	L	47.3	D
				T	61.1	E			T	45.6	D
				R	61.1	E			R	45.6	D
PM	Overall Intersection	63.9	E	PM by Movement			13.1	B	PM by Movement		
By Approach / By Movement	SR 228 (EB)	83.3	F	L	85.0	F	6.8	A	L	15.5	B
				T	90.1	F			T	6.3	A
				R	6.0	A			R	2.5	A
	SR 228 (WB)	38.2	D	L	28.9	C	9.0	A	L	3.4	A
				T	43.5	D			T	10.0	B
				R	7.7	A			R	3.5	A
	Adams Ridge Shoppes (NB)	54.7	D	L	56.8	E	37.9	D	L	38.9	D
				T	52.2	D			T	36.5	D
				R	52.8	D			R	37.3	D
	Seven Fields Blvd (SB)	71.4	E	L	86.6	F	46.0	D	L	53.5	D
				T	55.0	E			T	37.9	D
				R	55.0	E			R	37.9	D
SAT	Overall Intersection	46.8	D	SAT by Movement			14.9	B	SAT by Movement		
By Approach / By Movement	SR 228 (EB)	17.8	B	L	89.6	F	7.9	A	L	27.0	C
				T	10.7	B			T	5.9	A
				R	4.1	A			R	5.5	A
	SR 228 (WB)	62.4	E	L	12.3	B	13.4	B	L	7.1	A
				T	71.4	E			T	14.5	B
				R	6.8	A			R	7.0	A
	Adams Ridge Shoppes (NB)	70.6	E	L	81.5	F	35.5	D	L	37.1	D
				T	54.0	D			T	32.9	C
				R	54.3	D			R	33.5	C
	Seven Fields Blvd (SB)	72.1	E	L	88.6	F	39.3	D	L	45.1	D
				T	56.2	E			T	33.6	C
				R	56.2	E			R	33.6	C

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)						
245 SR 228 @ Adams Ridge Blvd													
AM	Overall Intersection	38.9	D	AM by Movement			20.2	C	AM by Movement				
By Approach / By Movement	SR 228 (EB)	C	D	-	-	-	24.5	C	-	-	-		
				T	27.7	C			T	23.9	C		
				R	14.3	B			R	29.6	C		
	SR 228 (WB)	D	D	D	L	18.6	B	7.6	A	L	8.6	A	
					T	36.9	D			T	7.5	A	
					-	-	-			-	-	-	
	Adams Ridge Blvd (NB)	E	E	E	L	66.8	E	34.1	C	L	38.9	D	
					-	-	-			-	-	-	
					R	42.4	D			R	25.0	C	
	Future 4th Leg (SB)	-	-	-	-	-	-	-	-	-	-	-	
					-	-	-			-	-	-	
					-	-	-			-	-	-	
PM	Overall Intersection	49.3	D	PM by Movement			15.2	B	PM by Movement				
By Approach / By Movement	SR 228 (EB)	21.2	C	D	-	-	11.7	B	L	-	-		
					T	24.5			C	T	13.2	B	
					R	13.3			B	R	8.0	A	
	SR 228 (WB)	73.5	E	E	E	L	318.0	F	10.1	B	L	16.5	B
						T	18.7	B			T	8.6	A
						-	-	-			R	-	-
	Adams Ridge Blvd (NB)	78.7	E	E	E	L	91.1	F	42.5	D	L	50.5	D
						-	-	-			T	-	-
						R	62.0	E			R	31.6	C
	Future 4th Leg (SB)	-	-	-	-	-	-	-	-	L	-	-	
						-	-			-	T	-	-
						-	-			-	R	-	-
SAT	Overall Intersection	35.5	D	SAT by Movement			15.0	B	SAT by Movement				
By Approach / By Movement	SR 228 (EB)	16.5	B	D	-	-	16.3	B	L	-	-		
					T	17.8			B	T	15.8	B	
					R	12.2			B	R	18.1	B	
	SR 228 (WB)	26.8	C	D	D	L	42.5	D	6.9	A	L	14.2	B
						T	24.8	C			T	6.0	A
						-	-	-			R	-	-
	Adams Ridge Blvd (NB)	111.2	F	F	F	L	134.3	F	35.3	D	L	39.8	D
						-	-	-			T	-	-
						R	56.6	E			R	24.7	C
	Future 4th Leg (SB)	-	-	-	-	-	-	-	-	-	-	-	
						-	-			-	-	-	-
						-	-			-	-	-	-

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)					
250	SR 228 @ Myoma Rd *											
AM	Overall Intersection	3.1	A	AM by Movement			22.7	C	AM by Movement			
By Approach / By Movement	SR 228 (EB)	1.2	A	L			15.3	B	L	30.4	C	
				T					T	13.7	B	
				-					R	13.7	B	
	SR 228 (WB)	free			-			20.8	C	L	57.4	E
					T	free				T	15.5	B
					R	free				R	16.1	B
	Future 4th Leg (NB)	-			-			50.1	D	L	60.1	E
					-					T	39.1	D
					-					R	39.1	D
	Myoma Rd (SB)	72.5	F		L			37.9	D	L	36.8	D
					-					T	38.0	D
					R					R	38.0	D
PM	Overall Intersection	34.0	D	PM by Movement			31.5	C	PM by Movement			
By Approach / By Movement	SR 228 (EB)	1.3	A	L			30.8	C	L	57.6	E	
				T					T	28.5	C	
				-					R	28.5	C	
	SR 228 (WB)	free			-			26.3	C	L	43.1	D
					T	free				T	24.5	C
					R	free				R	13.5	B
	Future 4th Leg (NB)	-			-			55.3	E	L	66.2	E
					-					T	43.5	D
					-					R	43.5	D
	Myoma Rd (SB)	912.8	F		L			44.1	D	L	42.5	D
					-					T	44.4	D
					R					R	44.4	D
SAT	Overall Intersection	5.9	A	SAT by Movement			32.2	C	SAT by Movement			
By Approach / By Movement	SR 228 (EB)	0.9	A	L			36.0	D	L	55.3	E	
				T					T	34.8	C	
				-					R	34.8	C	
	SR 228 (WB)	free			-			24.9	C	L	66.1	E
					T	free				T	18.4	B
					R	free				R	13.1	B
	Future 4th Leg (NB)	-			-			49.4	D	L	64.1	E
					-					T	34.3	C
					-					R	34.3	C
	Myoma Rd (SB)	199.8	F		L			34.6	C	L	31.2	C
					-					T	34.8	C
					R					R	34.8	C

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)				
255 SR 228 @ Heritage Creek Dr											
AM	Overall Intersection	29.5	C	AM by Movement			10.5	B	AM by Movement		
By Approach / By Movement	SR 228 (EB)	16.8	B	L	18.7	B	4.1	A	L	1.8	A
				T	18.5	B			T	4.1	A
				R	5.3	A			R	5.0	A
	SR 228 (WB)	30.3	C	L	14.4	B	6.2	A	L	4.8	A
				T	36.4	D			T	7.7	A
				R	11.1	B			R	0.7	A
	Heritage Creek Dr (NB)	44.4	D	L	48.2	D	47.3	D	L	50.9	D
				T	0.0	A			T	42.7	D
				R	39.6	D			R	42.7	D
	Heritage Creek Dr (SB)	66.6	E	L	73.8	E	43.1	D	L	44.6	D
				T	46.0	D			T	43.2	D
				R	40.2	D			R	35.5	D
PM	Overall Intersection	69.1	E	PM by Movement			21.5	C	PM by Movement		
By Approach / By Movement	SR 228 (EB)	61.6	E	L	64.8	E	13.4	B	L	16.0	B
				T	73.9	E			T	16.1	B
				R	4.7	A			R	0.2	A
	SR 228 (WB)	60.5	E	L	226.5	F	13.0	B	L	31.5	C
				T	44.8	D			T	13.0	B
				R	15.7	B			R	0.5	A
	Heritage Creek Dr (NB)	56.3	E	L	69.4	E	45.1	D	L	47.3	D
				T	43.7	D			T	48.5	D
				R	40.9	D			R	41.5	D
	Heritage Creek Dr (SB)	134.8	F	L	156.0	F	49.7	D	L	51.6	D
				T	43.4	D			T	47.4	D
				R	37.6	D			R	39.2	D
SAT	Overall Intersection	34.9	C	SAT by Movement			10.2	B	SAT by Movement		
By Approach / By Movement	SR 228 (EB)	10.9	B	L	69.1	E	2.6	A	L	6.4	A
				T	8.9	A			T	2.8	A
				R	2.0	A			R	0.6	A
	SR 228 (WB)	33.6	C	L	9.5	A	5.8	A	L	3.1	A
				T	39.1	D			T	6.6	A
				R	6.6	A			R	0.2	A
	Heritage Creek Dr (NB)	94.2	F	L	130.3	F	38.1	D	L	41.9	D
				T	56.8	E			T	42.0	D
				R	48.8	D			R	32.6	C
	Heritage Creek Dr (SB)	82.8	F	L	96.5	F	42.1	D	L	44.1	D
				T	56.8	E			T	44.3	D
				R	49.5	D			R	36.1	D

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		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)				
260	SR 228 @ Scharberry Ln *										
AM	Overall Intersection	0.0	A	AM by Movement			0.0	A	AM by Movement		
By Approach / By Movement	SR 228 (EB)	free		-			free		-		
				T	free				T	free	
				R	free				R	free	
	SR 228 (WB)	free		-			free		-		
				T	free				T	free	
				-					-		
	Scharberry Ln (NB)	0.0	A	-			0.0	A	-		
				-					-		
				R	0.0	A			R		
PM	Overall Intersection	0.4	A	PM by Movement			0.0	A	PM by Movement		
By Approach / By Movement	SR 228 (EB)	free		-			free		-		
				T	free				T	free	
				R	free				R	free	
	SR 228 (WB)	free		-			free		-		
				T	free				T	free	
				-					-		
	Scharberry Ln (NB)	37.8	E	-			0.0	A	-		
				-					-		
				R	37.8	E			R		
SAT	Overall Intersection	0.5	A	SAT by Movement			0.0	A	SAT by Movement		
By Approach / By Movement	SR 228 (EB)	free		-			free		-		
				T	free				T	free	
				R	free				R	free	
	SR 228 (WB)	free		-			free		-		
				T	free				T	free	
				-					-		
	Scharberry Ln (NB)	19.5	C	-			0.0	A	-		
				-					-		
				R	19.5	C			R		

Node # / Intersection / Peak / Approach		2045 Design Year / Build Scenarios Delay (sec/veh) and LOS										
		2045 No-Build w/ Approved Growth					2045 Build w/ Approved Growth (ADDENDUM 1 / APPENDIX J2)					
265	SR 228 @ Beaver St Ext *											
AM	Overall Intersection	0.4	A	AM by Movement			12.4	B	AM by Movement			
By Approach / By Movement	SR 228 (EB)	1.3	A	L			5.2	A	L	6.4	A	
				T					T	5.0	A	
				-					-			
	SR 228 (WB)	free			-			15.1	B	-		
					T	free				T	15.1	B
					R	free				R	15.1	B
	Beaver St Ext (SB)	53.3	F		-			37.6	D	L	41.3	D
					-					-		
					R	53.3	F			R	37.5	D
PM	Overall Intersection	7.7	A	PM by Movement			16.1	B	PM by Movement			
By Approach / By Movement	SR 228 (EB)	4.7	A	L			10.1	B	L	41.8	D	
				T					T	1.1	A	
				-					-			
	SR 228 (WB)	free			-			19.9	B	-		
					T	free				T	19.9	B
					R	free				R	11.6	B
	Beaver St Ext (SB)	84.7	F		-			37.8	D	L	53.7	D
					-					-		
					R	84.7	F			R	36.0	D
SAT	Overall Intersection	5.8	A	SAT by Movement			14.9	B	SAT by Movement			
By Approach / By Movement	SR 228 (EB)	1.9	A	L			6.7	A	L	36.2	D	
				T					T	2.2	A	
				-					-			
	SR 228 (WB)	free			-			19.4	B	-		
					T	free				T	19.5	B
					R	free				R	10.6	B
	Beaver St Ext (SB)	80.6	F		-			31.0	C	L	36.4	D
					-					-		
					R	80.6	F			R	30.8	C

* Unsignalized No-Build Conditions; LOS methods vary (unsignalized vs. signalized) for Build Alternatives