

Level of Service (LOS) for No-Build Condition

Cross-Street	Traffic Control Device	Geometry	[AM] Peak Hour						[MID] Peak Hour						(PM) Peak Hour						[SAT] Peak Hour							
			2016 Existing		2021 Future		2041 Design		2016 Existing		2021 Future		2041 Design		2016 Existing		2021 Future		2041 Design		2016 Existing		2021 Future		2041 Design			
			Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS		
1 Mack Hatcher Parkway / Hillview Lane	Signal	OVERALL	27.8	C	29.3	C	40.9	D	33.6	C	34.3	C	36.5	D	40.9	D	40.2	D	49.1	D	27.3	C	30.5	C	38.0	D		
		EASTBOUND (EB)	55.5	E	56.0	E	56.7	E	50.9	D	53.0	D	65.1	E	54.0	D	55.9	E	69.0	E	39.0	D	40.1	D	46.2	D		
		EB Left	51.7	D	52.0	D	52.1	D	38.7	D	39.8	D	41.9	D	42.9	D	43.3	D	43.0	D	29.9	C	30.2	C	29.4	C		
		EB Thru/Right	55.9	E	56.4	E	57.1	E	54.1	D	56.5	E	71.1	E	54.9	D	57.0	E	71.2	E	39.9	D	41.2	D	47.9	D		
		WESTBOUND (WB)	36.7	D	37.2	D	40.1	D	31.2	C	29.7	C	31.9	C	28.0	C	29.5	C	43.8	D	20.9	C	20.3	C	21.5	C		
		WB Left	42.5	D	43.0	D	44.1	D	34.4	C	34.8	C	36.2	D	35.7	D	38.6	D	73.4	E	24.1	C	24.4	C	25.4	C		
		WB Thru	45.3	D	45.7	D	45.7	D	43.3	D	42.8	D	42.6	D	36.1	D	36.9	D	40.1	D	29.1	C	29.3	C	30.8	C		
		WB Right	32.8	C	33.5	C	37.5	D	27.3	C	25.3	C	28.3	C	20.2	C	22.2	C	26.3	C	17.1	B	16.5	B	17.4	B		
		NORTHBOUND (NB)	24.4	C	29.1	C	49.6	D	26.1	C	30.1	C	31.5	C	35.8	D	38.6	D	44.6	D	30.9	C	37.9	D	64.5	E		
		NB Left	15.4	B	16.3	B	16.8	B	24.1	C	26.8	C	27.5	C	33.0	C	32.4	C	32.1	C	28.4	C	29.5	C	30.6	C		
		NB Thru	29.7	C	35.6	D	63.6	E	29.5	C	34.1	C	36.5	D	40.1	D	43.3	D	51.3	D	35.3	D	44.7	D	82.9	F		
		NB Right	9.3	A	10.0	B	9.8	A	16.0	B	17.3	B	16.3	B	16.3	B	15.7	B	15.5	B	17.0	B	18.0	B	19.1	B		
		SOUTHBOUND (SB)	23.4	C	22.0	C	27.9	C	34.7	C	34.7	C	34.7	C	48.7	D	44.4	D	51.0	D	26.7	C	28.9	C	27.3	C		
		SB Left	45.9	D	44.1	D	53.8	D	54.9	D	53.2	D	56.6	E	59.3	E	53.7	D	47.2	D	36.4	D	36.7	D	30.0	C		
		SB Thru	3.7	A	2.1	A	5.0	A	17.1	B	18.3	B	15.0	A	46.1	D	41.9	D	53.9	D	20.3	C	23.6	C	25.8	C		
		SB Right	9.7	A	9.6	A	9.8	A	14.3	B	14.3	B	14.5	B	16.1	B	15.7	B	14.9	B	17.1	B	17.1	B	18.3	B		
2 Parkway Commons / Cemetery	Signal	OVERALL	15.3	B	17.9	B	36.6	C	22.0	C	21.5	C	31.1	C	17.4	B	17.0	B	19.4	B	15.8	B	17.2	C	25.1	C		
		EASTBOUND	52.7	D	50.8	D	52.8	D	53.5	D	53.4	D	62.8	E	48.9	D	50.8	D	51.5	D	38.1	D	38.3	D	38.6	D		
		EB Left/Thru	58.1	E	58.1	E	55.9	E	60.2	D	60.1	E	72.5	E	55.5	E	58.3	E	59.7	E	43.1	D	43.4	D	44.5	D		
		EB Right	38.7	D	32.1	C	45.2	D	34.1	C	34.6	C	35.3	D	37.8	D	38.3	D	37.9	D	28.8	C	29.0	C	27.7	C		
		WESTBOUND	61.7	E	61.7	E	61.7	E	60.3	E	60.7	E	62.5	E	61.7	E	61.8	E	61.9	E	49.7	D	49.8	D	49.9	D		
		WB Left/Thru/Right	61.7	E	61.7	E	61.7	E	60.3	E	60.7	E	62.5	E	61.7	E	61.8	E	61.9	E	49.7	D	49.8	D	49.9	D		
		NORTHBOUND	13.3	B	15.2	B	48.9	D	13.5	B	14.6	B	22.8	C	12.7	B	14.0	B	17.3	B	9.4	A	11.4	B	17.6	B		
		NB Left	42.8	D	38.8	C	61.8	E	38.7	D	38.5	D	48.9	D	38.0	D	40.3	D	43.3	D	26.5	C	26.9	C	28.7	C		
		NB Thru/Right	12.2	B	14.3	B	48.5	D	11.2	B	12.5	B	20.6	C	10.4	B	12.6	B	15.2	B	8.4	A	10.6	B	16.9	B		
		SOUTHBOUND	11.9	B	16.8	C	11.5	B	17.2	B	16.5	B	27.3	C	12.5	B	10.6	B	13.1	B	13.8	B	15.7	B	27.3	C		
		SB Left	100.4	E	98.8	E	62.4	E	74.0	E	73.9	E	79.2	E	71.1	E	74.7	E	78.4	E	63.5	E	64.6	E	64.1	E		
		SB Thru/Right	11.8	B	16.7	C	11.5	B	17.0	B	16.3	B	27.1	C	12.5	B	10.6	B	13.0	A	13.7	B	15.6	B	27.2	C		
		3 Southeast Parkway / Shadow Green Drive	Signal	OVERALL	20.0	C	27.9	C	54.2	D	22.9	C	34.1	C	44.8	D	20.3	C	24.5	C	29.9	C	23.0	C	25.7	C	33.0	C
				EASTBOUND	50.1	D	59.9	E	69.6	E	58.2	E	103.1	F	130.7	F	54.9	D	50.5	D	53.0	D	35.0	D	38.4	D	45.3	D
				EB Left	52.9	D	84.6	F	109.5	F	70.5	E	187.8	F	249.6	F	57.8	E	55.6	E	60.2	E	36.5	D	43.2	D	60.4	E
				EB Thru	53.9	D	52.3	D	54.6	D	55.9	E	58.1	E	57.6	E	60.4	E	55.1	E	54.7	D	39.5	D	41.1	D	41.3	D
EB Right	47.5			D	45.9	D	47.6	D	48.8	D	50.6	D	58.5	E	52.7	D	47.1	D	48.9	D	33.7	C	35.5	D	37.7	D		
WESTBOUND	57.0			E	56.2	E	57.2	E	55.7	E	60.5	E	72.3	E	54.7	D	57.4	E	62.2	E	43.3	D	44.1	E	44.2	D		
WB Left	54.0			D	52.9	D	52.5	D	50.9	D	49.1	D	47.8	D	47.0	D	46.6	D	45.5	D	41.1	D	40.2	D	40.2	D		
WB Thru/Right	57.4			E	56.6	E	57.7	E	57.9	E	65.6	E	83.3	F	56.7	E	59.8	E	66.2	E	43.8	D	44.9	E	45.0	D		
NORTHBOUND	16.5			B	23.0	C	77.2	E	11.9	B	14.6	B	28.6	C	11.9	B	16.2	B	25.6	C	26.2	C	27.9	C	40.9	D		
NB Left	5.6			A	7.2	A	9.7	A	4.4	A	5.8	A	8.0	A	6.5	A	14.5	B	32.6	C	12.6	B	15.0	B	19.5	B		
NB Thru/Right	17.4			B	24.7	B	84.2	F	12.9	B	16.0	B	31.7	C	12.7	B	16.6	B	23.9	C	28.4	C	30.9	C	45.7	D		
SOUTHBOUND	9.9			A	14.5	B	14.7	B	14.8	B	17.0	B	19.7	B	15.2	B	19.7	B	22.7	C	14.3	B	16.9	B	20.4	C		
SB Left	15.4			B	46.2	D	80.7	E	13.2	B	15.4	B	39.2	D	11.1	B	14.1	B	26.2	C	15.5	B	18.5	B	27.2	C		
SB Thru	9.0			A	9.4	A	3.7	A	14.4	B	16.1	B	16.9	B	15.6	B	20.3	C	23.2	C	14.0	B	15.7	B	19.3	B		
SB Right	9.1			A	8.2	A	2.4	A	18.1	B	23.3	C	21.4	C	12.9	B	18.1	B	16.0	B	15.0	B	20.9	C	21.3	C		
4 Alpha Drive	Stop			WESTBOUND	23.2	C	36.2	E	180.3	F	47.3	E	102.3	F	534.8	F	43.8	E	109.9	F	999.9	F	24.9	C	35.4	E	166.3	F
		WB Left/Thru/Right	26.1	D	40.5	E	318.5	F	47.3	E	102.3	F	534.8	F	43.8	E	109.9	F	999.9	F	24.9	C	35.4	E	166.3	F		
		SOUTHBOUND	13.2	B	17.5	C	37.7	E	11.8	B	13.9	B	25.9	D	10.6	B	11.5	B	15.6	C	11.0	B	12.4	B	18.3	C		
		SB Left	13.2																									

Level of Service (LOS) for Five-Lane (Traditional) Concept																						
Cross-Street		Traffic Control Device	Geometry	[AM] Peak Hour				[MID] Peak Hour				[PM] Peak Hour				[SAT] Peak Hour						
				2021 Future		2041 Design		2021 Future		2041 Design		2021 Future		2041 Design		2021 Future		2041 Design				
				Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS			
1	Mack Hatcher Parkway / Hillview Lane	Signal	OVERALL	20.5	C	23.2	C	21.8	C	22.7	C	23.1	C	30.3	C	21.8	C	23.6	C			
			EASTBOUND (EB)	42.0	D	38.7	D	32.8	C	30.5	C	35.1	D	35.7	D	30.8	C	30.8	C			
			EB Left	38.6	D	36.6	D	28.9	C	25.9	C	32.8	C	32.9	C	26.0	C	25.6	C			
			EB Thru	45.0	D	41.2	D	36.7	D	34.5	C	39.5	D	40.9	D	31.9	C	32.3	C			
			EB Right	39.1	D	36.1	D	29.4	C	27.4	C	32.6	C	32.8	C	30.6	C	30.2	C			
			WESTBOUND (WB)	25.8	C	24.8	C	21.5	C	21.7	C	26.0	C	29.6	C	18.8	B	19.0	B			
			WB Left	30.3	C	29.0	C	25.1	C	25.2	C	31.8	C	41.3	D	21.2	C	21.2	C			
			WB Thru	33.7	C	31.8	C	31.8	C	31.7	C	32.2	C	32.7	C	26.9	C	26.9	C			
			WB Right	22.7	C	21.9	C	18.2	B	18.4	B	21.0	C	21.4	C	15.8	B	15.9	B			
			NORTHBOUND (NB)	16.6	B	21.0	C	20.5	C	24.1	C	17.5	B	19.7	B	22.9	C	25.5	C			
			NB Left	11.8	B	13.2	B	16.1	B	18.5	B	15.2	B	19.6	B	18.7	B	21.6	C			
			NB Thru	19.1	B	24.5	C	22.7	C	26.8	C	19.0	B	21.2	C	25.4	C	28.4	C			
			NB Right	9.0	A	11.0	B	14.9	B	17.4	B	10.7	B	11.5	B	16.2	B	17.3	B			
			SOUTHBOUND (SB)	20.5	C	24.0	C	19.8	B	20.4	C	22.5	C	36.0	D	20.5	C	23.3	C			
			SB Left	25.1	C	27.2	C	31.9	C	32.5	C	48.8	D	49.8	D	25.2	C	28.8	C			
SB Thru	16.9	B	21.7	C	8.5	A	9.3	A	12.7	B	31.6	C	17.2	B	19.6	B						
SB Right	8.1	A	9.6	A	11.8	B	13.0	B	10.7	B	10.8	B	13.9	B	14.3	B						
2	Parkway Commons / Cemetery	Signal	OVERALL	7.6	A	8.4	A	19.3	B	23.9	C	14.4	B	17.9	B	16.2	B	18.9	B			
			EASTBOUND	37.0	D	35.2	D	36.9	D	42.6	D	33.7	C	33.1	C	33.8	C	33.4	C			
			EB Left	38.8	D	37.1	D	40.5	D	48.5	D	37.9	D	38.0	D	37.2	D	37.9	D			
			EB Thru/Right	31.2	C	29.2	C	25.5	C	24.1	C	25.9	C	24.1	C	26.9	C	24.3	C			
			WESTBOUND	41.9	D	41.9	D	42.3	D	41.0	D	41.9	D	41.9	D	41.7	D	41.8	D			
			WB Left/Thru/Right	41.9	D	41.9	D	42.3	D	41.0	D	41.9	D	41.9	D	41.7	D	41.8	D			
			NORTHBOUND	6.4	A	7.6	A	22.1	C	24.6	C	18.2	B	21.4	C	20.8	C	23.3	C			
			NB Left	54.1	D	54.7	D	36.7	D	39.4	D	36.5	D	37.2	D	32.1	C	32.6	C			
			NB Thru/Right	3.6	A	4.9	A	20.5	C	23.0	C	16.2	B	19.5	B	19.9	B	22.6	C			
			SOUTHBOUND	4.1	A	4.6	A	10.6	B	16.7	B	6.2	A	11.1	B	6.8	A	10.5	B			
			SB Left	29.3	C	29.8	C	28.7	C	27.9	C	28.7	C	25.7	C	28.8	C	26.7	C			
			SB Thru/Right	4.0	A	4.6	A	10.5	B	16.6	B	6.1	A	11.1	B	6.8	A	10.5	B			
			3	Southeast Parkway / Shadow Green Drive	Signal	OVERALL	14.5	B	17.6	B	16.4	B	19.2	B	16.8	B	19.2	B	14.8	B	16.2	B
						EASTBOUND	27.7	C	28.7	C	30.6	C	32.3	C	29.9	C	30.1	C	26.0	C	28.3	C
						EB Left	29.3	C	32.6	C	31.7	C	36.0	D	32.4	C	33.5	C	27.4	C	31.2	C
EB Thru	31.8	C				31.7	C	34.3	C	33.9	C	35.3	D	35.4	D	30.5	C	32.1	C			
EB Right	25.9	C				25.6	C	29.1	C	29.4	C	27.8	C	27.6	C	24.7	C	26.3	C			
WESTBOUND	35.9	D				36.0	D	34.7	C	35.1	D	35.3	D	35.8	D	35.4	D	36.2	D			
WB Left	33.3	C				33.3	C	29.4	C	29.6	C	30.1	C	30.2	C	33.1	C	32.8	C			
WB Thru/Right	36.2	D				36.3	D	37.0	D	37.6	D	36.6	D	37.1	D	35.9	D	36.9	D			
NORTHBOUND	7.9	A				10.8	B	9.7	A	12.4	B	17.2	B	19.0	B	9.5	A	12.4	B			
NB Left	3.8	A				4.5	A	8.2	A	22.0	C	27.8	C	45.1	D	15.8	B	29.4	C			
NB Thru/Right	8.3	A				11.5	B	9.9	A	10.9	B	14.5	B	12.7	B	8.0	A	8.6	A			
SOUTHBOUND	13.4	B				18.7	B	12.1	B	16.2	B	10.3	B	14.1	B	12.6	B	12.7	B			
SB Left	16.3	B				27.2	C	11.4	B	20.0	C	7.5	A	8.5	A	8.4	A	10.5	B			
SB Thru	13.2	B				17.8	B	14.3	B	18.4	B	11.7	B	16.0	B	13.4	B	14.3	B			
SB Right	10.1	A				11.4	B	0.3	A	0.4	A	0.1	A	0.1	A	11.5	B	7.1	A			
4	Alpha Drive	Two-Way Stop Control (TWSC)	EASTBOUND	14.6	B	16.4	C	12.6	B	13.9	B	14.9	B	17.1	C	15.2	C	18.0	C			
			EB Left/Thru/Right	14.6	B	16.4	C	12.6	B	13.9	B	14.9	B	17.1	C	15.2	C	18.0	C			
			WESTBOUND	12.8	B	14.7	B	16.8	C	22.4	C	17.7	C	24.1	C	12.8	B	14.4	B			
			WB Left/Thru/Right	12.8	B	14.7	B	16.8	C	22.4	C	17.7	C	24.1	C	12.8	B	14.4	B			
			NORTHBOUND	9.0	A	9.4	A	10.0	B	10.8	B	10.6	B	11.9	B	10.4	B	11.6	B			
			NB Left	9.0	A	9.4	A	10.0	B	10.8	B	10.6	B	11.9	B	10.4	B	11.6	B			
5	Century Court	Signal	SOUTHBOUND	10.9	B	12.2	B	10.6	B	11.7	B	9.8	A	10.7	B	9.9	A	10.8	B			
			SB Left	10.9	B	12.2	B	10.6	B	11.7	B	9.8	A	10.7	B	9.9	A	10.8	B			
			OVERALL	7.7	A	9.6	A	7.6	A	9.6	A	6.1	A	7.1	A	4.1	A	5.3	A			
			EASTBOUND	35.8	D	36.3	D	36.1	D	36.8	D	36.4	D	36.2	D	38.7	D	38.5	D			
			EB Left	38.3	D	39.9	D	39.8	D	42.0	D	38.5	D	39.0	D	40.1	D	40.0	D			
			EB Thru/Right	32.3	C	31.6	C	33.4	C	32.9	C	35.0	D	34.5	C	36.8	D	36.4	D			
6	Beasley Drive / Lumber Drive	TWSC	WESTBOUND	32.0	C	31.1	C	32.7	C	32.1	C	34.5	C	33.9	C	36.8	D	36.3	D			
			WB Left/Thru/Right	32.0	C	31.1	C	32.7	C	32.1	C	34.5	C	33.9	C	36.8	D	36.3	D			
			NORTHBOUND	2.3	A	3.5	A	2.6	A	5.2	A	1.7	A	2.4	A	1.2	A	1.9	A			
			NB Left	2.8	A	11.1	B	5.1	A	18.5	B	2.1	A	4.4	A	1.5	A	3.3	A			
			NB Thru/Right	2.2	A	2.4	A	2.3	A	3.5	A	1.7	A	2.3	A	1.2	A	1.9	A			
			SOUTHBOUND	8.5	A	11.8	B	6.1	A	7.7	A	4.6	A	6.0	A	3.8	A	5.6	A			
7	Franklin Business Park (North) / Future Werthan Circle	Signal	SB Left	6.3	A	7.8	A	4.5	A	4.7	A	3.0	A	3.3	A	2.0	A	2.6	A			
			SB Thru/Right	8.5	A	11.8	B	6.1	A	7.7	A	4.6	A	6.0	A	3.8	A	5.6	A			
			EASTBOUND	13.5	B	14.5	B	15.3	C	17.8	C	15.0	C	17.3	C	15.5	C	18.1	C			
			EB Left/Thru/Right	13.5	B	14.5	B	15.3	C	17.8	C	15.0	C	17.3	C	15.5	C	18.1	C			
			WESTBOUND	13.9	B	14.7	B	17.1	C	22.0	C	18.0	C	23.0	C	15.6	C	19.0	C			
			WB Left/Thru/Right	13.9	B	14.7	B	17.1	C	22.0	C	18.0	C	23.0	C	15.6	C	19.0	C			
8	Confederate Drive / Werthan Circle	Signal	NORTHBOUND	10.3	B	11.4	B	10.6	B	11.8	B	10.4	B	11.5	B	10.5	B	11.6	B			
			NB Left	10.3	B	11.4	B	10.6	B	11.8	B	10.4	B	11.5	B	10.5	B	11.6	B			
			SOUTHBOUND	10.6	B	11.7	B	10.8	B	12.0	B	10.1	B	11.2	B	10.6	B	11.9	B			
			SB Left	10.6	B	11.7	B	10.8	B	12.0	B	10.1	B	11.2	B	10.6	B	11.9	B			
			OVERALL	7.2	A	6.9	A	6.6	A	7.0	A	4.8	A	5.0	A	5.6	A	6.5	A			
			EASTBOUND	40.1	D	40.3	D	39.1	D	38.5	D	41.7	D	41.7	D	41.8	D	40.4	D			
9	Carr Avenue	Stop	EB Left	42.3	D	43.1	D	40														

Level of Service (LOS) for Five-Lane (Access Management) Concept																						
Cross-Street		Traffic Control Device	Geometry	[AM] Peak Hour				[MID] Peak Hour				[PM] Peak Hour				[SAT] Peak Hour						
				2021 Future		2041 Design		2021 Future		2041 Design		2021 Future		2041 Design		2021 Future		2041 Design				
				Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS			
1	Mack Hatcher Parkway / Hillview Lane	Signal	OVERALL	20.5	C	23.2	C	21.8	C	22.7	C	23.1	C	30.2	C	21.7	C	23.6	C			
			EASTBOUND (EB)	42.0	D	38.7	D	32.8	C	30.5	C	35.1	D	35.7	D	30.8	C	30.8	C			
			EB Left	38.6	D	36.6	D	28.9	C	25.9	C	32.8	C	32.9	C	26.0	C	25.6	C			
			EB Thru	45.0	D	41.2	D	36.7	D	34.5	C	39.5	D	40.9	D	31.9	C	32.3	C			
			EB Right	39.1	D	36.1	D	29.4	C	27.4	C	32.6	C	32.8	C	30.6	C	30.2	C			
			WESTBOUND (WB)	25.8	C	24.8	C	21.5	C	21.7	C	26.0	C	29.6	C	18.8	B	19.0	B			
			WB Left	30.3	C	29.0	C	25.1	C	25.2	C	31.8	C	41.3	D	21.2	C	21.2	C			
			WB Thru	33.7	C	31.8	C	31.8	C	31.7	C	32.2	C	32.7	C	26.9	C	26.9	C			
			WB Right	22.7	C	21.9	C	18.2	B	18.4	B	21.0	C	21.4	C	15.8	B	15.9	B			
			NORTHBOUND (NB)	16.6	B	21.0	C	20.5	C	24.1	C	17.5	B	19.7	B	22.9	C	25.5	C			
			NB Left	11.8	B	13.2	B	16.1	B	18.5	B	15.2	B	19.6	B	18.7	B	21.6	C			
			NB Thru	19.1	B	24.5	C	22.7	C	26.8	C	19.0	B	21.2	C	25.4	C	28.4	C			
			NB Right	9.0	A	11.0	B	14.9	B	17.4	B	10.7	B	11.5	B	16.2	B	17.3	B			
			SOUTHBOUND (SB)	20.5	C	24.0	C	19.8	B	20.4	C	22.4	C	35.9	D	20.3	C	23.3	C			
			SB Left	25.1	C	27.2	C	32.0	C	32.5	C	48.7	D	49.8	D	24.8	C	28.8	C			
			SB Thru	16.9	B	21.6	C	8.5	A	9.3	A	12.7	B	31.6	C	17.2	B	19.6	B			
			SB Right	8.1	A	9.6	A	11.8	B	13.0	B	10.7	B	10.8	B	13.9	B	14.3	B			
2	Parkway Commons / Cemetery	Signal	OVERALL	7.6	A	8.4	A	19.3	B	23.9	C	14.4	B	17.9	B	16.2	B	18.9	B			
			EASTBOUND	37.0	D	35.2	D	36.9	D	42.6	D	33.7	C	33.1	C	33.8	C	33.4	C			
			EB Left	38.8	D	37.1	D	40.5	D	48.5	D	37.9	D	38.0	D	37.2	D	37.9	D			
			EB Thru/Right	31.2	C	29.2	C	25.5	C	24.1	C	25.9	C	24.1	C	26.9	C	24.3	C			
			WESTBOUND	41.9	D	41.9	D	42.3	D	41.0	D	41.9	D	41.9	D	41.7	D	41.8	D			
			WB Left/Thru/Right	41.9	D	41.9	D	42.3	D	41.0	D	41.9	D	41.9	D	41.7	D	41.8	D			
			NORTHBOUND	6.4	A	7.6	A	22.1	C	24.6	C	18.2	B	24.1	C	20.8	C	23.3	C			
			NB Left	54.1	D	54.7	D	36.7	D	39.4	D	36.5	D	37.2	D	32.1	C	32.6	C			
			NB Thru/Right	3.6	A	4.9	A	20.5	C	23.0	C	16.2	B	19.5	B	19.9	B	22.6	C			
			SOUTHBOUND	4.1	A	4.6	A	10.6	B	16.7	B	6.1	A	11.1	B	6.8	A	10.5	B			
			SB Left	29.3	C	29.7	C	28.7	C	27.9	C	28.7	C	25.7	C	28.9	C	26.7	C			
			SB Thru/Right	4.0	A	4.6	A	10.5	B	16.6	B	6.1	A	11.0	B	6.8	A	10.5	B			
			3	Southeast Parkway / Shadow Green Drive	Signal	OVERALL	14.5	B	17.6	B	16.4	B	19.2	B	16.8	B	19.0	B	15.1	B	16.3	B
						EASTBOUND	27.7	C	28.7	C	30.6	C	32.3	C	29.9	C	30.1	C	26.0	C	28.3	C
						EB Left	29.3	C	32.6	C	31.7	C	36.0	D	32.4	C	33.5	C	27.4	C	31.2	C
						EB Thru	31.8	C	31.7	C	34.3	C	33.9	C	35.3	D	35.4	D	30.5	C	32.1	C
						EB Right	25.9	C	25.6	C	29.1	C	29.4	C	27.8	C	27.6	C	24.7	C	26.3	C
WESTBOUND	35.9	D				36.0	D	34.7	C	35.1	D	35.3	D	35.8	D	35.4	D	36.2	D			
WB Left	33.3	C				33.3	C	29.4	C	29.6	C	30.1	C	30.2	C	33.1	C	32.8	C			
WB Thru/Right	36.2	D				36.3	D	37.0	D	37.6	D	36.6	D	37.1	D	35.9	D	36.9	D			
NORTHBOUND	7.9	A				10.8	B	9.7	A	12.4	B	17.2	B	19.0	B	9.5	A	12.4	B			
NB Left	3.8	A				4.5	A	8.2	A	22.0	C	27.8	C	45.1	D	15.8	B	29.4	C			
NB Thru/Right	8.3	A				11.5	B	9.9	A	10.9	B	14.5	B	12.7	B	8.0	A	8.6	A			
SOUTHBOUND	13.4	B				18.7	B	12.0	B	16.1	B	10.2	B	13.7	B	13.2	B	12.8	B			
SB Left	16.3	B				27.3	C	11.3	B	20.0	C	7.5	A	8.3	A	8.8	A	10.6	B			
SB Thru	13.2	B				17.9	B	14.2	B	18.4	B	11.6	B	15.7	B	14.1	B	14.6	B			
SB Right	9.9	A				11.3	B	0.3	A	0.4	A	0.1	A	0.1	A	11.9	B	6.8	A			
4	Alpha Drive	Two-Way Stop Control (TWSC)				EASTBOUND	14.6	B	16.4	C	12.6	B	13.9	B	14.9	B	17.1	C	15.2	C	18.0	C
						EB Left/Thru/Right	14.6	B	16.4	C	12.6	B	13.9	B	14.9	B	17.1	C	15.2	C	18.0	C
			WESTBOUND	12.8	B	14.7	B	16.8	C	22.4	C	17.7	C	24.1	C	12.8	B	14.4	B			
			WB Left/Thru/Right	12.8	B	14.7	B	16.8	C	22.4	C	17.7	C	24.1	C	12.8	B	14.4	B			
			NORTHBOUND	9.0	A	9.4	A	10.0	B	10.8	B	10.6	B	11.9	B	10.4	B	11.6	B			
			NB Left	9.0	A	9.4	A	10.0	B	10.8	B	10.6	B	11.9	B	10.4	B	11.6	B			
			SOUTHBOUND	10.9	B	12.2	B	10.6	B	11.7	B	9.8	A	10.7	B	9.9	A	10.8	B			
SB Left	10.9	B	12.2	B	10.6	B	11.7	B	9.8	A	10.7	B	9.9	A	10.8	B						
5	Century Court	Signal	OVERALL	7.7	A	9.6	A	7.7	A	9.6	A	6.2	A	7.2	A	4.0	A	5.2	A			
			EASTBOUND	35.8	D	36.3	D	36.1	D	36.8	D	36.4	D	36.2	D	38.7	D	38.5	D			
			EB Left	38.3	D	39.9	D	39.8	D	42.0	D	38.5	D	39.0	D	40.1	D	40.0	D			
			EB Thru/Right	32.3	C	31.6	C	33.4	C	32.9	C	35.0	D	34.5	C	36.8	D	36.4	D			
			WESTBOUND	32.0	C	31.1	C	32.7	C	32.1	C	34.5	C	33.9	C	36.8	D	36.3	D			
			WB Left/Thru/Right	32.0	C	31.1	C	32.7	C	32.1	C	34.5	C	33.9	C	36.8	D	36.3	D			
			NORTHBOUND	2.3	A	3.5	A	2.6	A	5.2	A	1.7	A	2.4	A	1.2	A	1.9	A			
			NB Left	2.8	A	11.1	B	5.1	A	18.5	B	2.1	A	4.4	A	1.5	A	3.3	A			
			NB Thru/Right	2.2	A	2.4	A	2.3	A	3.5	A	1.7	A	2.3	A	1.2	A	1.9	A			
			SOUTHBOUND	8.6	A	11.8	B	6.2	A	7.8	A	4.7	A	6.2	A	3.6	A	5.5	A			
			SB Left	6.4	A	7.8	A	4.7	A	4.7	A	3.2	A	3.5	A	1.9	A	2.7	A			
			SB Thru/Right	8.6	A	11.8	B	6.2	A	7.8	A	4.7	A	6.2	A	3.6	A	5.5	A			
6	Beasley Drive / Lumber Drive	TWSC	EASTBOUND	13.5	B	14.5	B	15.2	C	17.6	C	15.0	C	16.7	C	15.1	C	18.0	C			
			EB Left/Thru/Right	13.5	B	14.5	B	15.2	C	17.6	C	15.0	C	16.7	C	15.1	C	18.0	C			
			WESTBOUND	13.9	B	14.7	B	17.0	C	21.9	C	18.0	C	22.6	C	15.6	C	18.9	C			
			WB Left/Thru/Right	13.9	B	14.7	B	17.0	C	21.9	C	18.0	C	22.6	C	15.6	C	18.9	C			
			NORTHBOUND	10.3	B	11.4	B	10.6	B	11.7	B	10.4	B	11.4	B	10.4	B	11.5	B			
			NB Left	10.3	B	11.4	B	10.6	B	11.7	B	10.4	B	11.4	B	10.4	B	11.5	B			
			SOUTHBOUND	10.6	B	11.7	B	10.8	B	12.0	B	10.1	B	11.2	B	10.6	B	11.9	B			
SB Left	10.6	B	11.7	B	10.8	B	12.0	B	10.1	B	11.2	B	10.6	B	11.9	B						
7	Franklin Business Park (North) / Future Werthan Circle	Signal	OVERALL	4.4	A	4.8	A	5.6	A	7.2	A	4.4	A	5.9	A	8.4	A	10.0	B			
			WESTBOUND	41.4	D	41.7	D	39.3	D	39.1	D	41.6	D	39.8	D	37.8	D	39.6	D			
			WB Left	42.8	D	43.5	D	40.6	D	40.6	D	43.2	D	41.1	D							

Level of Service (LOS) for Roundabout Concept																						
Cross-Street		Traffic Control Device	Geometry	[AM] Peak Hour				[MID] Peak Hour				[PM] Peak Hour				[SAT] Peak Hour						
				2021 Future		2041 Design		2021 Future		2041 Design		2021 Future		2041 Design		2021 Future		2041 Design				
				Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS			
1	Mack Hatcher Parkway / Hillview Lane	Signal	OVERALL	20.7	C	22.6	C	23.6	C	25.0	C	25.7	C	33.9	C	25.3	C	28.4	C			
			EASTBOUND (EB)	41.7	D	38.5	D	32.7	C	30.4	C	35.1	D	36.7	D	28.7	C	28.9	C			
			EB Left	38.6	D	36.6	D	28.9	C	25.9	C	32.8	C	33.7	C	25.9	C	25.6	C			
			EB Thru	44.5	D	40.8	D	36.4	D	34.2	C	39.5	D	42.7	D	32.0	C	32.6	C			
			EB Right	39.1	D	36.1	D	29.6	C	27.5	C	32.6	C	33.4	C	25.3	C	25.1	C			
			WESTBOUND (WB)	25.8	C	24.6	C	21.7	C	21.7	C	26.0	C	31.3	C	18.9	B	19.1	B			
			WB Left	30.1	C	28.7	C	25.1	C	25.1	C	31.8	C	45.3	D	21.2	C	21.3	C			
			WB Thru	33.6	C	31.7	C	31.8	C	31.5	C	32.2	C	33.6	C	27.0	C	27.0	C			
			WB Right	22.8	C	21.8	B	18.5	B	18.5	B	21.0	C	22.0	C	15.8	B	16.0	B			
			NORTHBOUND (NB)	15.9	B	19.9	B	19.6	B	23.1	C	17.5	B	19.1	B	23.2	C	25.9	C			
			NB Left	11.6	B	13.0	B	15.5	B	18.0	B	15.2	B	19.4	B	18.1	B	21.4	C			
			NB Thru	18.2	B	23.1	C	21.7	C	25.6	C	19.0	B	20.6	C	25.9	C	29.1	C			
			NB Right	8.8	A	10.8	B	14.4	B	16.9	B	10.7	B	11.1	B	16.4	B	17.4	B			
			SOUTHBOUND (SB)	22.2	C	23.9	C	24.8	C	26.8	C	28.7	C	43.7	D	29.7	C	35.8	D			
2	Parkway Commons / Cemetery	Roundabout	OVERALL	7.2	A	8.8	A	8.5	A	11.2	B	7.9	A	10.3	B	7.1	A	8.9	A			
			EASTBOUND	7.0	A	8.5	A	11.9	B	18.5	C	11.2	B	17.0	C	9.3	A	13.1	B			
			EB Left/Thru/U-Turn	7.1	A	8.7	A	12.9	B	20.7	C	11.7	B	18.2	C	9.8	A	14.1	B			
			EB Right	6.6	A	7.7	A	8.9	A	11.4	B	10.4	B	14.7	B	8.4	A	11.1	B			
			WESTBOUND	8.6	A	10.9	B	8.4	A	10.7	B	7.0	A	8.5	A	6.8	A	8.4	A			
			WB Left/Thru/Right/U-Turn	8.6	A	10.9	B	8.4	A	10.7	B	7.0	A	8.5	A	6.8	A	8.4	A			
			NORTHBOUND	8.1	A	10.3	B	8.2	A	10.6	B	7.3	A	9.0	A	7.0	A	8.7	A			
			NB Left/Thru/U-Turn	8.1	A	10.3	B	8.2	A	10.6	B	7.3	A	9.0	A	7.0	A	8.7	A			
			NB Thru/Right	8.1	A	10.3	B	8.2	A	10.6	B	7.3	A	9.0	A	7.0	A	8.7	A			
			SOUTHBOUND	5.9	A	6.8	A	7.7	A	9.3	A	7.6	A	9.5	A	6.6	A	7.8	A			
			SB Left/Thru/U-Turn	5.9	A	6.8	A	7.7	A	9.3	A	7.6	A	9.5	A	6.6	A	7.8	A			
			SB Thru/Right	5.9	A	6.8	A	7.7	A	9.3	A	7.6	A	9.5	A	6.6	A	7.8	A			
			3	Southeast Parkway / Shadow Green Drive	Roundabout	OVERALL	10.3	B	15.0	C	13.0	B	20.9	C	10.7	B	15.8	C	10.0	B	14.2	B
						EASTBOUND	10.2	B	13.7	B	18.6	C	35.2	E	13.2	B	20.7	C	12.7	B	20.4	C
EB Left/Thru/U-Turn	10.5	B				14.2	B	19.9	C	39.0	E	13.3	B	20.0	C	12.0	B	18.2	C			
EB Right	10.0	B				13.3	B	17.4	C	31.9	D	13.2	B	21.2	C	13.1	B	21.9	C			
WESTBOUND	14.4	B				23.5	C	15.3	C	25.5	D	10.8	B	15.4	C	10.0	B	13.8	B			
WB Left/Thru/U-Turn	12.0	B				16.4	C	16.1	C	26.9	D	10.7	B	14.5	B	10.0	B	13.4	B			
WB Right	15.1	C				25.3	D	14.6	B	24.3	C	11.0	B	15.9	C	10.0	B	14.1	B			
NORTHBOUND	12.1	B				18.8	C	11.7	B	17.7	C	8.2	A	10.4	B	9.0	A	12.1	B			
NB Left/Thru/U-Turn	12.1	B				18.8	C	11.7	B	17.7	C	8.2	A	10.4	B	9.0	A	12.1	B			
NB Thru/Right	12.1	B				18.8	C	11.7	B	17.7	C	8.2	A	10.4	B	9.0	A	12.1	B			
SOUTHBOUND	7.0	A				8.5	A	11.4	B	17.2	C	12.1	B	19.0	C	9.9	A	14.0	B			
SB Left/Thru/U-Turn	7.0	A				8.5	A	11.4	B	17.2	C	12.1	B	19.0	C	9.9	A	14.0	B			
NB Thru/Right	7.0	A				8.5	A	11.4	B	17.2	C	12.1	B	19.0	C	9.9	A	14.0	B			
4	Alpha Drive	Two-Way Stop Control (TWSC)				EASTBOUND	11.2	B	12.1	B	13.0	B	14.7	B	14.1	B	16.3	C	13.6	B	15.5	C
			EB Left/Thru/Right	11.2	B	12.1	B	13.0	B	14.7	B	14.1	B	16.3	C	13.6	B	15.5	C			
			WESTBOUND	15.0	C	18.4	C	17.9	C	26.5	D	14.8	B	18.7	C	14.5	B	17.9	C			
			WB Left/Thru/Right	15.0	C	18.4	C	17.9	C	26.5	D	14.8	B	18.7	C	14.5	B	17.9	C			
5	Century Court	Roundabout	OVERALL	9.0	A	12.0	B	10.9	B	16.0	C	8.7	A	11.6	B	7.7	A	9.8	A			
			EASTBOUND	8.3	A	10.8	B	13.3	B	20.8	C	12.2	B	18.6	C	9.6	A	13.0	B			
			EB Left/Thru/U-Turn	8.2	A	10.6	B	13.7	B	21.1	C	12.5	B	18.5	C	9.2	A	12.4	B			
			EB Right	8.5	A	11.0	B	13.0	B	20.6	C	12.1	B	18.7	C	10.2	B	13.9	B			
			WESTBOUND	10.3	B	13.4	B	11.0	B	14.5	B	8.0	A	10.1	B	7.7	A	9.6	A			
			WB Left/Thru/Right/U-Turn	10.3	B	13.4	B	11.0	B	14.5	B	8.0	A	10.1	B	7.7	A	9.6	A			
			NORTHBOUND	10.0	B	13.8	B	11.2	B	16.7	C	7.9	A	10.1	B	7.6	A	9.5	A			
			NB Left/Thru/U-Turn	10.0	B	13.8	B	11.2	B	16.7	C	7.9	A	10.1	B	7.6	A	9.5	A			
			NB Thru/Right	10.0	B	13.8	B	11.2	B	16.7	C	7.9	A	10.1	B	7.6	A	9.5	A			
			SOUTHBOUND	7.8	A	9.7	A	10.0	B	14.1	B	8.8	A	11.8	B	7.7	A	9.7	A			
			SB Left/Thru/U-Turn	7.8	A	9.7	A	10.0	B	14.1	B	8.8	A	11.8	B	7.7	A	9.7	A			
			SB Thru/Right	7.8	A	9.7	A	10.0	B	14.1	B	8.8	A	11.8	B	7.7	A	9.7	A			
6	Beasley Drive / Lumber Drive	TWSC	EASTBOUND	13.0	B	15.1	C	15.2	C	19.8	C	16.7	C	23.0	C	16.3	C	21.5	C			
			EB Right	13.0	B	15.1	C	15.2	C	19.8	C	16.7	C	23.0	C	16.3	C	21.5	C			
			WESTBOUND	13.3	B	15.1	C	14.9	B	18.2	C	13.5	B	15.7	C	14.6	B	17.5	C			
			WB Right	13.3	B	15.1	C	14.9	B	18.2	C	13.5	B	15.7	C	14.6	B	17.5	C			
			7	Franklin Business Park (North) / Future Werthan Circle	Roundabout	OVERALL	7.4	A	9.1	A	7.6	A	9.4	A	6.8	A	8.0	A	7.9	A	10.3	B
						WESTBOUND	9.7	A	12.9	B	10.5	B	14.5	B	7.7	A	9.4	A	12.2	B	20.0	C
						WB Left/Right/U-Turn	9.7	A	12.9	B	10.5	B	14.5	B	7.7	A	9.4	A	12.2	B	20.0	C
						NORTHBOUND	7.7	A	9.4	A	7.4	A	8.9	A	6.6	A	7.5	A	6.9	A	8.4	A
NB Thru/U-Turn	7.7	A				9.4	A	7.4	A	8.9	A	6.6	A	7.5	A	6.9	A	8.4	A			
NB Thru/Right	7.7	A				9.4	A	7.4	A	8.9	A	6.6	A	7.5	A	6.9	A	8.4	A			
SOUTHBOUND	6.9	A				8.4	A	7.6	A	9.5	A	7.0	A	8.5	A	8.0	A	10.3	B			
SB Left/Thru/U-Turn	6.9	A				8.4	A	7.6	A	9.5	A	7.0	A	8.5	A	8.0	A	10.3	B			
8	Confederate Drive / Werthan Circle	Roundabout	OVERALL	8.2	A	10.3	B	7.8	A	9.7	A	6.5	A	7.7	A	7.0	A	7.9	A			
			EASTBOUND	9.1	A	12.0	B	8.6	A	10.9	B	7.6	A	9.4	A	8.3	A	8.7	A			
			EB Left/Thru/Right/U-Turn	9.1	A	12.0	B	8.6	A	10.9	B	7.6	A	9.4	A	8.3	A	8.7	A			
			WESTBOUND	10.3	B	14.0	B	10.6	B	14.8	B	7.7	A	9.8	A	8.1	A	10.4	B			
			WB Left/Thru/Right/U-Turn	10.3	B	14.0	B	10.6	B	14.8	B	7.7	A	9.8	A	8.1	A	10.4	B			
			NORTHBOUND	8.6	A	11.0	B	8.1	A	10.0	B	6.3	A	7.5	A	6.9	A	8.3	A			
			NB Left/Thru/U-Turn	8.6	A	11.0	B	8.1	A	10.0	B	6.3	A	7.5	A	6.9	A	8.3	A			
			NB Thru/Right	8.6	A	11.0	B	8.1	A	1												