APPENDIX E Intersection Crash Rate Worksheets



CITY/TOWN : Ca	ınton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT:	6	UNSIGN	ALIZED :		SIGNA	LIZED :	Х
			~ IN]	TERSECTION	I DATA ~		
MAJOR STREET	:	Washington	Street				
MINOR STREET(S):	Sherman Str	eet				
INTERSECTI DIAGRAM		↑ North	She	rman St Washington St		erman St	
			Т	PEAK HOUR	VOLUMES	T	Total Peak
APPROACH	1:	1	2	3	4	5	Hourly
DIRECTION	l :	EB	WB	NB	SB		Approach Volume
PEAK HOUR VOLUMES (P		254	282	607	464		1,607
"K" FACTO	R:	0.090	INTERSI	ECTION ADT APPROACH		AL DAILY	17,856
TOTAL # OF CRA	SHES :	11	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	2.20
CRASH RATE	CALCU	ILATION :	0.39	RATE =	(A * 1,0	000,000) * 365)	
Comments : Av	erage C e:			strict 6 Signali or Study in Ca		tions = 0.71	



CITY/TOWN : <u>Ca</u>	nton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT:	6	UNSIGN	ALIZED :		SIGNA	ALIZED :	Х
			~ IN]	ERSECTION	I DATA ~		
MAJOR STREET	<u>.</u>	Washington	Street				
MINOR STREET(S):	Revere Stree	et				
INTERSECTION DIAGRAM	ON	North	Rev	ere St Washington St		ivate Drivewy	
				PEAK HOUF	R VOLUMES	1	Total Peak
APPROACH	:	1	2	3	4	5	Hourly
DIRECTION	:	EB	WB	NB	SB		Approach Volume
PEAK HOURI VOLUMES (PI		163	5	539	634		1,341
"K" FACTO	R :	0.090	INTERSI	ECTION ADT APPROACH		AL DAILY	14,900
TOTAL # OF CRA	SHES :	9	# OF YEARS :	5	CRASHES	GE#OF SPERYEAR (A):	1.80
CRASH RATE	CALCU	LATION :	0.38	RATE =	<u>(A * 1,</u>	000,000) * 365)	
		rash Rate for	MassDOT Di	strict & Signal	izad Intaraad	tions = 0.71	



CITY/TOWN : Canton	_			COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT: 6	UNSIGN	IALIZED :		SIGNA	LIZED :	Х
		~ IN ⁻	TERSECTION	I DATA ~		
MAJOR STREET :	Washington	Street				
MINOR STREET(S):	Bolivar Stree	et				
INTERSECTION DIAGRAM	↑ North		Washington St		olivar St	
APPROACH:	1	2	PEAK HOUF	R VOLUMES 4	5	Total Peak
DIRECTION:	EB	WB	NB	SB	3	Hourly Approach Volume
PEAK HOURLY VOLUMES (PM) :	0	332	587	729		1,648
"K" FACTOR:	0.090	INTERS	ECTION ADT APPROACH		AL DAILY	18,311
TOTAL # OF CRASHES	15	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	3.00
CRASH RATE CALC	JLATION :	0.52	RATE =	(A * 1,0	000,000) * 365)	
Comments : <u>Average C</u> Project Title & Date:			strict 6 Signali or Study in Ca		tions = 0.71	



CITY/TOWN : Canton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT: 6	UNSIGN	ALIZED :		SIGNA	LIZED :	Х
		~ IN7	ERSECTION	I DATA ~		
MAJOR STREET :	Washington	Street				
MINOR STREET(S):	Church Stree	et				
INTERSECTION DIAGRAM	↑ North	Chu	rch St Washington St		e Driveway	
			PEAK HOUR	VOLUMES		Total Book
APPROACH:	1	2	3	4	5	Total Peak Hourly
DIRECTION:	EB	WB	NB	SB		Approach Volume
PEAK HOURLY VOLUMES (PM) :	0	4	875	864		1,743
"K" FACTOR:	0.090	INTERS	ECTION ADT APPROACH	, ,	AL DAILY	19,367
TOTAL # OF CRASHES :	16	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	3.20
CRASH RATE CALCU	LATION :	0.52	RATE =	<u>(A * 1,0</u> (V	000,000 <u>)</u> * 365)	
Comments : Average C	rash Rate for	MassDOT Dis	strict 6 Signali	zed Intersec	tions = 0.71	
Project Title & Date:	Washington	Street Corrido	r Study in Ca	nton		



CITY/TOWN : Canton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT: 6	UNSIGN	ALIZED :		SIGNA	LIZED :	Х
		~ IN7	ERSECTION	DATA ~		
MAJOR STREET :	Washington	Street				
MINOR STREET(S):	Neponset Str	eet				
INTERSECTION DIAGRAM	↑ North	Nepons	et St Washington St	Washington St		
			PEAK HOUR	VOLUMES		
APPROACH:	1	2	3	4	5	Total Peak Hourly
DIRECTION:	EB	WB	NB	SB		Approach Volume
PEAK HOURLY VOLUMES (PM) :	756	0	644	606		2,006
"K" FACTOR:	0.090	INTERS	ECTION ADT APPROACH	` '	AL DAILY	22,289
TOTAL # OF CRASHES :	19	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	3.80
CRASH RATE CALCU	LATION :	0.54	RATE =	(A * 1,0	000,000) * 365)	
Comments : Average C	rash Rate for	MassDOT Dis	strict 6 Signali	zed Intersect	tions = 0.71	
Project Title & Date:	Washington S	Street Corrido	r Study in Ca	nton		



CITY/TOWN : Sharon				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT: 5	UNSIGN	ALIZED :		SIGNA	LIZED :	Х
		~ IN7	ERSECTION	DATA ~		
MAJOR STREET :	Washington	Street/Bay Ro	ad			
MINOR STREET(S):	Route 27					
INTERSECTION DIAGRAM	North North	Main St <u>(</u> Rou	Washington St		aron St (Rout	e 27)
			PEAK HOUR	VOLUMES		T-4-LDL
APPROACH:	1	2	3	4	5	Total Peak Hourly
DIRECTION:	EB	WB	NB	SB		Approach Volume
PEAK HOURLY VOLUMES (PM) :	679	723	664	592		2,658
"K" FACTOR:	0.090	INTERS	ECTION ADT APPROACH	• •	AL DAILY	29,533
TOTAL # OF CRASHES :	43	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	8.60
CRASH RATE CALCU	LATION :	0.92	RATE =	(A * 1,0	000,000) * 365)	
Comments : Average C	rash Rate for	MassDOT Dis	strict 5 Signali	zed Intersec	tions = 0.75	
Project Title & Date:	Washington S	Street Corrido	r Study in Ca	nton		



CITY/TOWN : Canton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)			
DISTRICT: 6	UNSIGN	ALIZED :	X	SIGNA	LIZED :				
		~ IN7	TERSECTION	DATA ~					
MAJOR STREET :	Washington	Street							
MINOR STREET(S):	Mechanic Str	eet							
	Wall Street	Nall Street							
INTERSECTION DIAGRAM	North	Wa <u>-</u>	TS Washington St	Washington St Mashington St Department of the Control of the Contr	nanic St				
			PEAK HOUR	VOLUMES		Total Peak			
APPROACH:	1	2	3	4	5	Hourly			
DIRECTION:	EB	WB	NB	SB		Approach Volume			
PEAK HOURLY VOLUMES (PM) :	19	92	597	855		1,563			
"K" FACTOR:	0.090	INTERSI	ECTION ADT APPROACH	. ,	AL DAILY	17,367			
TOTAL # OF CRASHES :	11	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	2.20			
CRASH RATE CALCU	LATION :	0.40	RATE =	(A * 1,0	000,000) * 365)				
Comments : Average C					ections = 0.52	2			
Project Title & Date:	Washington :	Street Corrido	or Study in Ca	nton					



CITY/TOWN : Canton DISTRICT : 6	UNSIGN	ALIZED :	Х	SIGNA	ΓΕ: <u>12/1/20</u> LIZED:	21 (adjusted)
			ERSECTION	I DAIA ~		
MAJOR STREET :	Washington	Street				
MINOR STREET(S):	High Street					
INTERSECTION DIAGRAM	↑ North	High	ys Washington St	Washington St		
			PEAK HOUR	VOLUMES		Total Peak
APPROACH:	1	2	3	4	5	Hourly
DIRECTION:	EB	WB	NB	SB		Approach Volume
PEAK HOURLY VOLUMES (PM) :	162	0	690	1,111		1,963
"K" FACTOR:	0.090	INTERSE	ECTION ADT APPROACH		AL DAILY	21,811
TOTAL # OF CRASHES :	11	# OF YEARS :	5	CRASHES	GE#OF PERYEAR ():	2.20
CRASH RATE CALCU Comments: Average C		0.32 MassDOT Dis	RATE =	(V	,	2
Project Title & Date:						



CITY/TOWN : Canton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)			
DISTRICT: 6	UNSIGN	ALIZED :	Х	SIGNA	LIZED :				
		~ IN7	TERSECTION	I DATA ~					
MAJOR STREET :	Washington	Street				_			
MINOR STREET(S):	Village Shop	illage Shoppes Driveway							
INTERSECTION DIAGRAM	North	North Plaza Driveway Plaza Driveway Village Shoppes Drive							
			PEAK HOUR	VOLUMES		Total Peak			
APPROACH :	1	2	3	4	5	Hourly Approach			
DIRECTION:	EB	WB	NB	SB		Volume			
PEAK HOURLY VOLUMES (PM) :	31	259	543	1,092		1,925			
"K" FACTOR:	0.090	INTERSI	ECTION ADT APPROACH		AL DAILY	21,389			
TOTAL # OF CRASHES :	13	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (A):	2.60			
CRASH RATE CALCU	LATION :	0.38	RATE =	(A * 1,0	000,000) * 365)				
Comments : Average C					ections = 0.52	2			
Project Title & Date:	vvasnington	Street Corrido	or Study in Ca	nton					



CITY/TOWN : Canton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)			
DISTRICT: 6	UNSIGN	ALIZED :	Х	SIGNA	LIZED :				
		~ IN]	TERSECTION	I DATA ~					
MAJOR STREET :	Washington	Street							
MINOR STREET(S):	Cobb Corner	Cobb Corner Driveway							
INTERSECTION DIAGRAM	↑ North	Plaza Dr	es s A Washington St	Washington St	ob CornerDriv	eway			
APPROACH :			PEAK HOUR			Total Peak			
DIRECTION :	EB	2 WB	3 NB	4 SB	5	Hourly Approach Volume			
PEAK HOURLY VOLUMES (PM) :	33	104	561	961		1,659			
"K" FACTOR:	0.090	INTERSI	ECTION ADT APPROACH		AL DAILY	18,433			
TOTAL # OF CRASHES :	7	# OF YEARS :	5	CRASHES	GE#OF PERYEAR (1):	1.40			
CRASH RATE CALCU	ILATION :	0.24	RATE =	<u>(A * 1,</u> (000,000 <u>)</u> * 365)				
Comments : <u>Average C</u> Project Title & Date:		MassDOT Dis			ections = 0.52	2			



CITY/TOWN : Stoughton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT: 5	UNSIGN	ALIZED :	Х	SIGNA	LIZED :	
		~ INT	ERSECTION	Ι ΠΔΤΔ ~		
MAJOR STREET :	Charan Ctroo	***************************************				
	Sharon Stree					
MINOR STREET(S):	Village Shopp	oes Driveway				
INTERSECTION DIAGRAM	↑ North	Sharon S	Sas Station Cobb Corner	Driveway	naron St (Rou	te 27)
			PEAK HOUR	VOLUMES		
APPROACH:	1	2	3	4	5	Total Peak Hourly
DIRECTION:	EB	WB	NB	SB		Approach Volume
PEAK HOURLY VOLUMES (PM) :	665	678	70	61		1,474
"K" FACTOR:	0.090	INTERSE	ECTION ADT APPROACH		AL DAILY	16,378
TOTAL # OF CRASHES :	14	# OF YEARS :	5	CRASHES	GE#OF PERYEAR A):	2.80
CRASH RATE CALCU	LATION :	0.54	RATE =	(A * 1,0	000,000) * 365)	
Comments : Average C					ections = 0.57	7



CITY/TOWN : Stoughton				COUNT DA	TE: <u>12/1/20</u>	21 (adjusted)
DISTRICT: 5	UNSIGN	ALIZED :	Х	SIGNA	LIZED :	
		~ IN7	TERSECTION	I DATA ~		
MAJOR STREET :	Sharon Stree	et (Rute 27)				
MINOR STREET(S):	Village Shop	pes Driveway				
INTERSECTION DIAGRAM	North	Sharon S	Citizens Bank Village Shoppes		naron St (Rout	te 27)
ADDDO ACIL.			PEAK HOUR			Total Peak
APPROACH : DIRECTION :	EB	2 WB	3 NB	4 SB	5	Hourly Approach Volume
PEAK HOURLY VOLUMES (PM) :	725	717	0	237		1,679
"K" FACTOR:	0.090	INTERSI	ECTION ADT APPROACH		AL DAILY	18,656
TOTAL # OF CRASHES :	20	# OF YEARS :	5	CRASHES	GE#OF PERYEAR	4.00
CRASH RATE CALCU	LATION :	0.68	RATE =	(A * 1,0	000,000) * 365)	
Comments : <u>Average C</u> Project Title & Date:			strict 5 Unsigr or Study in Ca		ections = 0.57	<u>, </u>