

APPENDIX D
Corridor Crash Rate Worksheets

SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Canton/Sharon/Stoughton COUNT DATE : 11/29-12/3/2021

DISTRICT : 5 and 6

~ SEGMENT DATA ~

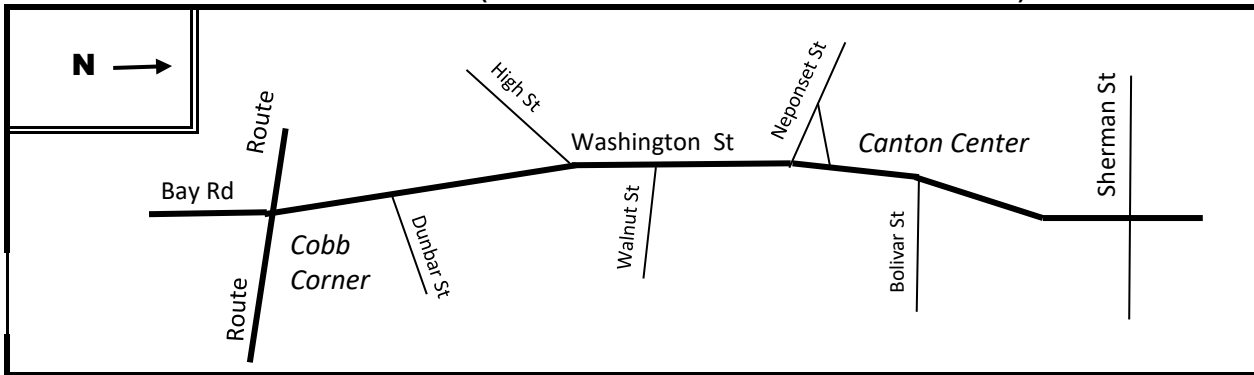
ROADWAY NAME: Washington Street Corridor

START POINT: Sherman Street

END POINT: Bay Road (including a section of Route 27 about 1,000 feet long)

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban Principal Arterial

ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES (L):	1.83
AVERAGE DAILY TRAFFIC VOLUME (V):	17,000

TOTAL # OF CRASHES:	294	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A):	58.80
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CRASH RATE CALCULATION :

5.18

$$\text{RATE} = \frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : State Average for Urban Principal Arterial = 3.58 (7/1/2020)

Project Title & Date: Washington Street Corridor Study

SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Canton COUNT DATE : 11/29-12/3/2021

DISTRICT : 6

~ SEGMENT DATA ~

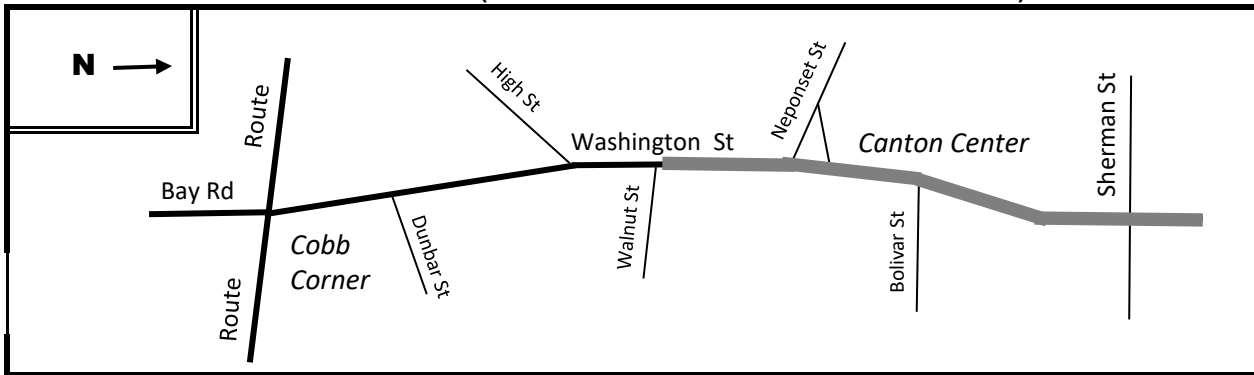
ROADWAY NAME: Washington Street Corridor: Canton Center Section

START POINT: Sherman Street

END POINT: Walnut Street

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban Principal Arterial

ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES (L):	0.76
AVERAGE DAILY TRAFFIC VOLUME (V):	16,500

TOTAL # OF CRASHES:	126	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A):	25.20
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CRASH RATE CALCULATION :

5.51

$$\text{RATE} = \frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : State Average for Urban Principal Arterial = 3.58 (7/1/2020) Project

Title & Date: Washington Street Corridor Study

SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Canton COUNT DATE : 11/29-12/3/2021

DISTRICT : 6

~ SEGMENT DATA ~

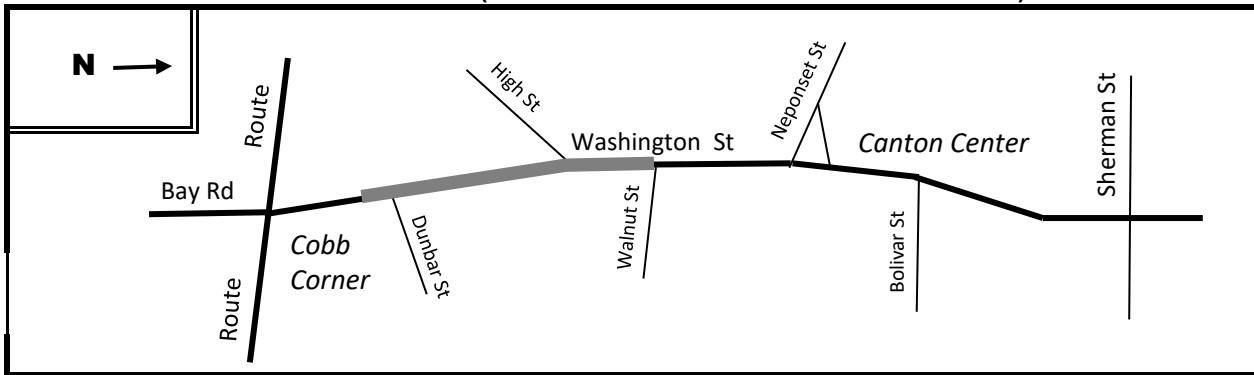
ROADWAY NAME: Washington Street Corridor: Residential Section

START POINT: South of Walnut Street

END POINT: South of Dunbar Street Street

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban Principal Arterial

ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES (L):	0.57
AVERAGE DAILY TRAFFIC VOLUME (V):	16,500

TOTAL # OF CRASHES:	32	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A):	6.40
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CRASH RATE CALCULATION :

1.86

$$\text{RATE} = \frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : State Average for Urban Principal Arterial = 3.58 (7/1/2020)

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SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Canton, Sharon, and Stoughton COUNT DATE : 11/29-12/3/2021

DISTRICT : 5 and 6

~ SEGMENT DATA ~

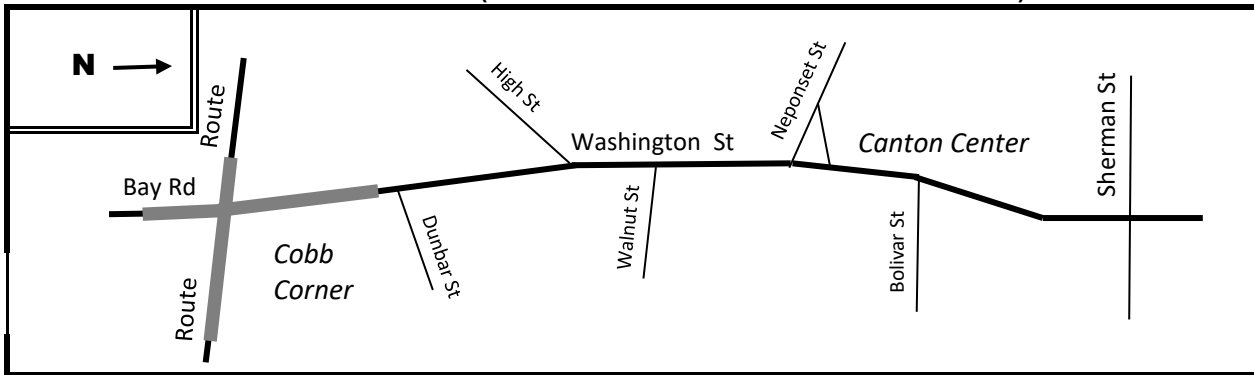
ROADWAY NAME: Washington Street Corridor: Cobb Corner Commercial District

START POINT: South of Dunabar Street

END POINT: Bay Road (including a section of Route 27 about 1,000 feet long)

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban Principal Arterial

ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES (L):	0.50
AVERAGE DAILY TRAFFIC VOLUME (V):	19,500

TOTAL # OF CRASHES:	127	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A):	25.40
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CRASH RATE CALCULATION :

7.14

$$\text{RATE} = \frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : State Average for Urban Principal Arterial = 3.58 (7/1/2020)

Project Title & Date: Washington Street Corridor Study