

Appendix C
LOS Summary
Existing and No-Build

Table C-1 Intersection Level of Service Summary

Location	Peak Hour	2004 Existing			2014 No-Build		
		Delay¹	v/c²	LOS³	Delay	v/c	LOS
Central Avenue at Chestnut Street							
Central Avenue NB LT	AM	0.1	0.01	A	0.1	0.01	A
	PM	0.1	0.01	A	0.1	0.01	A
Chestnut Street NEB LT	AM	29.6	0.49	D	48.0	0.75	E
	PM	>200	1.42	F	>200	>2.00	F
Chestnut Street at Sixth Street							
Chestnut Street NB	AM	13.5	0.46	B	17.5	0.57	C
	PM	74.4	1.03	F	149.0	1.24	F
Chestnut Street SB	AM	13.4	0.46	B	24.3	0.73	C
	PM	33.3	0.80	D	55.3	0.94	F
Sixth Street EB	AM	13.7	0.49	B	18.7	0.61	C
	PM	32.3	0.79	D	50.9	0.91	F
Sixth Street WB	AM	10.6	0.25	B	12.6	0.31	B
	PM	16.8	0.44	C	19.9	0.51	C
Central Avenue at Sixth Street and Preble Street							
Central Avenue NB LT	AM	8.4	0.10	A	8.6	0.11	A
	PM	9.5	0.16	A	9.9	0.19	A
Central Avenue SB LT	AM	0.1	0.01	A	0.1	0.01	A
	PM	0.1	0.01	A	0.1	0.01	A
Sixth Street EB	AM	13.1	0.24	B	14.1	0.28	B
	PM	29.5	0.59	D	53.2	0.79	F
Preble Street WB	AM	19.4	0.15	C	23.5	0.20	C
	PM	84.2	0.37	F	>200	0.72	F
Central Avenue at Fifth Street							
Central Avenue NB LT	AM	2.3	0.05	A	2.4	0.06	A
	PM	2.8	0.08	A	3.1	0.10	A
Fifth Street EB	AM	15.2	0.12	C	16.9	0.15	C
	PM	22.6	0.27	C	28.3	0.36	C
Central Avenue at Fourth Street and Pierce Street							
Central Avenue NB LT	AM	1.9	0.03	A	1.9	0.04	A
	PM	0.8	0.02	A	0.7	0.02	A
Central Avenue SB LT	AM	1.8	0.03	A	1.8	0.04	A
	PM	3.7	0.11	A	4.0	0.13	A
Fourth Street EB	AM	13.9	0.16	B	15.2	0.20	C
	PM	19.7	0.38	C	24.0	0.47	C

Pierce Street WB	AM	14.8	0.28	B	16.2	0.33	C
	PM	20.7	0.39	C	28.3	0.52	D
Broadway at Pierce Street							
Broadway NB LT	AM	2.5	0.05	A	2.6	0.06	A
	PM	2.0	0.06	A	2.2	0.07	A
Pierce Street EB	AM	13.9	0.19	B	15.1	0.23	C
	PM	19.5	0.38	C	23.6	0.47	C
Broadway at St. John Street							
Broadway SB LT	AM	1.1	0.02	A	1.1	0.03	A
	PM	1.5	0.04	A	1.6	0.05	A
St. John Street NWB LT	AM	14.4	0.31	B	15.8	0.36	C
	PM	17.1	0.36	C	19.7	0.44	C
St. John Street NWB RT	AM	9.4	0.14	A	9.6	0.16	A
	PM	11.1	0.35	B	11.7	0.39	B
Chapel Street at St. John Street and Mechanic Street							
Mechanic Street NB	AM	9.5	0.01	A	9.9	0.01	A
	PM	10.6	0.04	B	10.9	0.05	B
St. John Street SB	AM	10.0	0.04	B	10.3	0.05	B
	PM	16.7	0.16	C	19.7	0.21	C
Chapel Street EB LT	AM	5.2	0.06	A	5.3	0.06	A
	PM	6.0	0.18	A	6.3	0.21	A
Chapel Street WB LT	AM	0.5	0.01	A	0.5	0.01	A
	PM	0.5	0.01	A	0.5	0.01	A
Central Avenue at Broadway	AM	12.9	0.41	B	14.8	0.46	B
	PM	13.2	0.56	B	17.0	0.62	B
Central Avenue at Third Street							
Central Avenue NB LT	AM	8.5	0.02	A	8.8	0.02	A
	PM	10.6	0.07	B	11.7	0.08	B
Third Street EB RT	AM	9.8	0.06	A	10.1	0.07	B
	PM	12.4	0.20	B	13.6	0.24	B
Upper Square: Main Street at Chapel Street	AM	21.9	0.48	C	23.6	0.55	C
	PM	23.8	0.61	C	24.7	0.68	C
Upper Square: Central Avenue at Main Street and Second Street							
Second Street WB LT	AM	29.2	0.76	D	46.3	0.89	E
	PM	33.1	0.78	D	55.5	0.93	F
Second Street WB TH	AM	22.7	0.38	C	27.7	0.47	D

	PM	28.9	0.45	D	38.5	0.56	E
Central Avenue at First Street							
First Street EB RT	AM	0.1	0.01	A	0.1	0.01	A
	PM	0.1	0.01	A	0.1	0.01	A
Central Avenue at Orchard Street							
Orchard Street EB RT	AM	12.7	0.01	B	13.5	0.01	B
	PM	14.2	0.06	B	15.4	0.07	C
Lower Square: Central Avenue at Washington Street and Henry Law Avenue							
	AM	13.3	0.71	B	15.2	0.78	B
	PM	26.0	0.90	C	36.6	0.99	D
Washington Street at Henry Law Avenue							
Henry Law Avenue NB	AM	10.5	0.16	B	12.3	0.21	B
	PM	11.7	0.23	B	13.8	0.31	B
Washington Street at Main Street							
Washington Street WB RT	AM	13.3	0.01	B	0.1	0.01	A
	PM	25.2	0.33	D	32.0	0.42	D
Main Street at Portland Avenue							
Portland Avenue SB	AM	172.2	1.29	F	>200	1.56	F
	PM	>200	1.31	F	>200	1.72	F
Portland Avenue at Cocheco Street							
Portland Avenue SB LT	AM	0.1	0.01	A	0.1	0.01	A
	PM	0.3	0.01	A	0.4	0.01	A
Portland Avenue at Chapel Street							
Portland Avenue NB LT	AM	0.1	0.01	A	0.1	0.01	A
	PM	0.1	0.01	A	0.1	0.01	A
Chapel Street EB	AM	24.7	0.23	C	30.2	0.29	D
	PM	58.4	0.77	F	112.6	1.00	F
Chestnut Street at Fourth Street							
Chestnut Street NB LT	AM	8.6	0.04	A	8.9	0.05	A
	PM	9.3	0.08	A	9.6	0.10	A
Chestnut Street SB LT	AM	0.2	0.01	A	0.2	0.01	A
	PM	0.2	0.01	A	0.3	0.01	A
Fourth Street EB	AM	23.4	0.33	C	29.4	0.43	D
	PM	54.4	0.58	F	96.4	0.80	F
Chestnut Street at Third Street							
Chestnut Street NB LT	AM	16.9	0.03	C	21.9	0.04	C
	PM	8.8	0.09	A	9.0	0.10	A



Chestnut Street SB LT	AM	33.5	0.86	D	54.1	0.97	F
	PM	106.7	1.14	F	160.3	1.28	F
Third Street EB	AM	10.2	0.04	B	10.6	0.05	B
	PM	12.1	0.14	B	12.3	0.15	B
Third Street WB LT	AM	11.2	0.24	B	12.0	0.27	B
	PM	12.6	0.27	B	13.1	0.30	B
Third Street WB RT	AM	8.7	0.08	A	9.1	0.09	A
	PM	9.8	0.10	A	9.9	0.11	A
Chestnut Street at Second Street							
Chestnut Street NB LT	AM	9.0	0.04	A	9.3	0.05	A
	PM	9.3	0.02	A	9.7	0.02	A
Train Station EB LT	AM	29.5	0.01	D	35.7	0.02	E
	PM	119.6	0.33	F	>200	0.56	F
Train Station EB RT	AM	10.5	0.02	B	10.8	0.02	B
	PM	11.2	0.06	B	11.6	0.07	B
Second Street WB LT	AM	38.5	0.63	E	64.2	0.81	F
	PM	>200	1.25	F	>200	1.85	F
Second Street WB RT	AM	10.9	0.03	B	11.3	0.03	B
	PM	17.6	0.17	C	20.4	0.21	C
Chestnut Street at First Street							
	AM	4.0	0.29	A	4.1	0.33	A
	PM	6.5	0.44	A	6.8	0.45	A
Chestnut Street at Orchard Street							
Chestnut Street SB LT	AM	1.1	0.03	A	1.1	0.03	A
	PM	0.9	0.03	A	1.0	0.03	A
Orchard Street WB	AM	14.4	0.08	B	15.6	0.09	C
	PM	24.9	0.28	C	32.5	0.38	D
Washington Street at Chestnut Street and Walnut Street							
	AM	23.9	0.56	C	24.0	0.61	C
	PM	26.9	0.74	C	35.0	0.84	D
Washington Street at Locust Street							
Locust Street NB LT	AM	0.1	0.01	A	13.0	0.12	B
	PM	0.1	0.01	A	16.7	0.13	C
Locust Street NB RT	AM	11.0	0.17	B	11.4	0.20	B
	PM	12.4	0.33	B	16.5	0.46	C
Washington Street at Fayette Street and Atkinson Street							
Atkinson Street NB	AM	10.7	0.06	B	11.1	0.07	B
	PM	13.6	0.16	B	15.3	0.20	C
Washington Street EB LT	AM	1.1	0.04	A	1.3	0.05	A



	PM	2.1	0.08	A	2.5	0.10	A
Washington Street WB LT	AM	0.9	0.03	A	1.0	0.04	A
	PM	1.3	0.05	A	1.5	0.06	A
Washington Street at Green Street							
Green Street SB	AM	18.6	0.26	C	22.2	0.33	C
	PM	45.7	0.76	E	91.7	0.98	F
Washington Street at Belknap Street							
Belknap Street NB	AM	11.9	0.15	B	12.6	0.18	B
	PM	14.3	0.22	B	15.8	0.26	C
Washington Street WB LT	AM	1.3	0.04	A	1.4	0.05	A
	PM	2.1	0.08	A	2.3	0.09	A
Central Avenue at Church, Hanson, and Court Streets							
Central Avenue NB LT	AM	1.0	0.04	A	1.3	0.05	A
	PM	0.3	0.01	A	0.4	0.01	A
Central Avenue SB LT to Hanson	AM	0.7	0.02	A	0.9	0.03	A
	PM	14.3	0.08	B	20.6	0.13	C
Central Avenue SB LT to Court	AM	10.0	0.06	A	10.7	0.07	B
	PM	23.2	0.46	C	61.0	0.79	F
Church Street EB	AM	15.8	0.15	C	18.6	0.20	C
	PM	38.2	0.36	E	>200	>2.00	F
Hanson Street WB	AM	>200	1.88	F	>200	>2.00	F
	PM	>200	>2.00	F	>200	>2.00	F
Court Street WB LT	AM	130.0	0.59	F	>200	0.96	F
	PM	>200	>2.00	F	>200	>2.00	F
Court Street WB RT	AM	16.7	0.25	C	19.9	0.32	C
	PM	35.3	0.22	E	69.7	0.40	F
Central Avenue at Silver Street							
	AM	8.4	0.57	A	8.9	0.63	A
	PM	11.6	0.68	B	13.3	0.81	B
Locust Street at Silver Street							
	AM	20.7	0.64	C	27.4	0.73	C
	PM	21.6	0.70	C	25.6	0.79	C
Silver Street at Atkinson Street							
Atkinson Street SB	AM	12.6	0.05	B	13.2	0.06	B
	PM	13.1	0.10	B	14.2	0.12	B
Silver Street EB LT	AM	0.6	0.02	A	0.7	0.02	A
	PM	0.5	0.02	A	0.6	0.02	A
Silver Street at Belknap Street							
Belknap Street NB	AM	29.3	0.18	D	36.8	0.24	E

	PM	30.2	0.19	D	39.3	0.26	E
Belknap Street SB	AM	14.7	0.19	B	16.4	0.23	C
	PM	20.2	0.28	C	24.9	0.36	C
Silver Street EB LT	AM	1.4	0.05	A	1.5	0.06	A
	PM	1.8	0.07	A	2.0	0.08	A
Silver Street WB LT	AM	0.1	0.01	A	0.1	0.01	A
	PM	0.2	0.01	A	0.3	0.01	A
Henry Law Avenue at George Street							
George Street NB	AM	9.5	0.01	A	9.6	0.02	A
	PM	10.3	0.02	B	10.6	0.02	B
Henry Law Avenue WB LT	AM	0.3	0.01	A	0.3	0.01	A
	PM	0.2	0.01	A	0.2	0.01	A
Henry Law Avenue at River Street							
River Street SB	AM	9.3	0.01	A	9.4	0.01	A
	PM	10.1	0.05	B	10.3	0.06	B
Henry Law Avenue EB LT	AM	1.5	0.01	A	1.5	0.01	A
	PM	0.2	0.01	A	0.3	0.01	A
Henry Law Avenue at Hanson Street							
Hanson Street NB	AM	9.9	0.06	A	10.1	0.07	B
	PM	10.1	0.11	B	10.4	0.12	B
Henry Law Avenue WB LT	AM	3.7	0.05	A	3.7	0.05	A
	PM	2.1	0.03	A	2.1	0.03	A

¹ Delay = Average delay expressed in seconds per vehicle ² v/c = volume-to-capacity ratio ³ LOS= Level of Service LT = Lefts,
TH = Throughs, RT = Rights > = Greater than

