

Capacity Analysis Summary  
 I-91 Interchange Project  
 Northampton, MA

Weekday Afternoon Peak Hour Build Conditions

Approach			No-Build		Concept 13			Concept 13A		Concept 13B	
			LOS	Delay	LOS	Delay		LOS	Delay	LOS	Delay
Route 9 at Damon Road/ I-91 NB Off Ramp	EB	L	F	98	E	63	LT	A	9	A	9
		T	D	38	B	20	T	A	9	A	9
	WB	T	D	44	D	53	T	A	7	A	3
		R	A	7	A	8	TR	A	5	A	2
	NB	L	D	53	D	47	LT	B	11	C	33
		T	F	108	D	42	R	A	2	A	5
		R	A	3	B	15	L	B	16	A	9
	SB	L	F	90	E	58	R	A	7	A	3
		R	C	23	A	2					
Overall			D	43	C	33					
Route 9 at I-91 SB On Ramp	EB	T	D	45	B	15		B	15	A	6
		R	A	0	A	1		A	1	A	6
	WB	L	C	22	B	16		B	16	A	4
		T	A	0	A	0		A	0	A	8
	Overall			B	20	A	9		A	9	

Note: Results for signalized intersections are based upon SYNCHRO analysis.

Results for roundabouts are based upon VISSIM analysis.

Average vehicle delay is in seconds.