

Figure 1
 2009 Exist. AM Ped & Bicycle Volumes
 I-91 Interchange 19 Project
 Northampton, MA

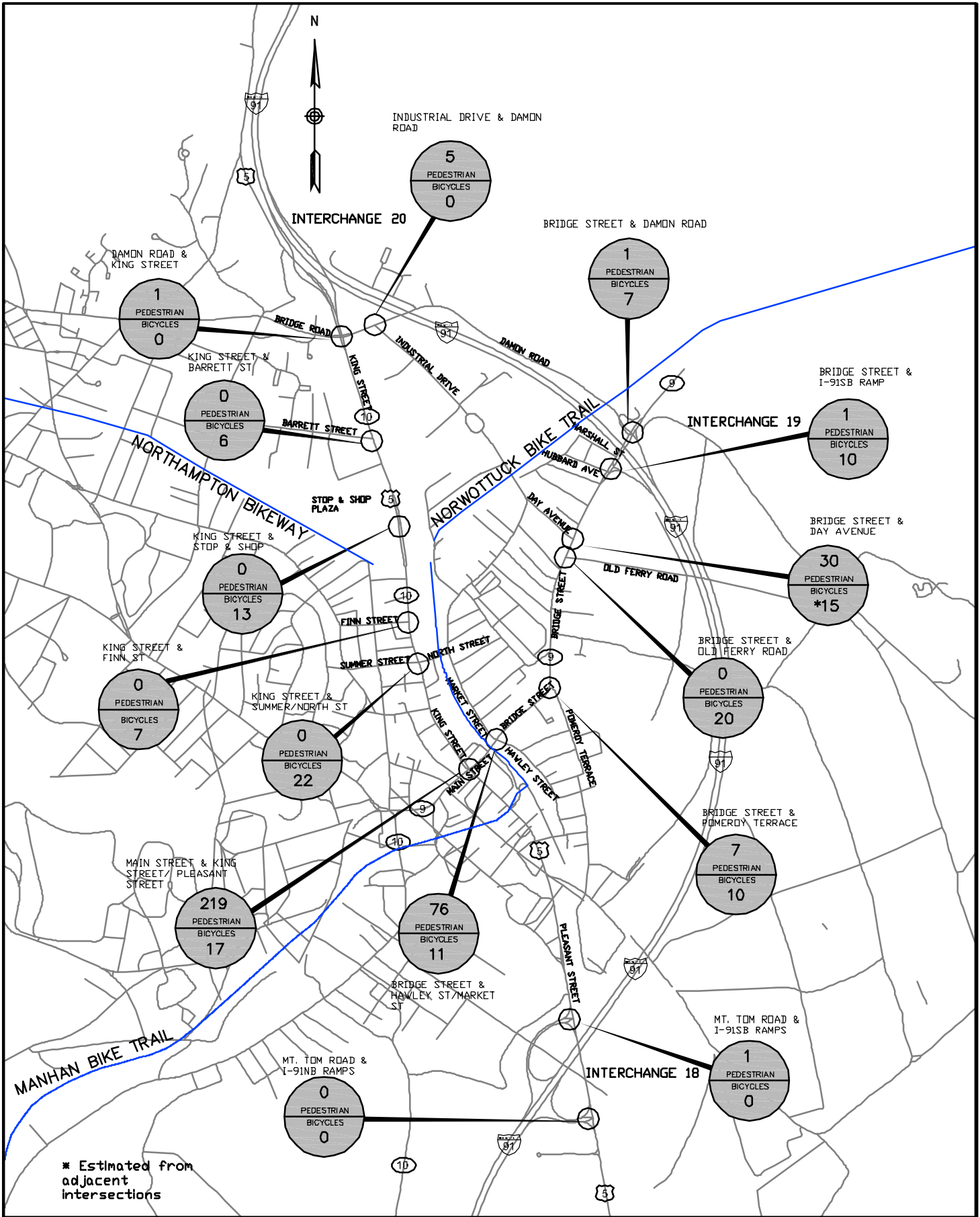


Figure 2
 2009 Exist. PM Ped & Bicycle Volumes
 I-91 Interchange 19 Project
 Northampton, MA

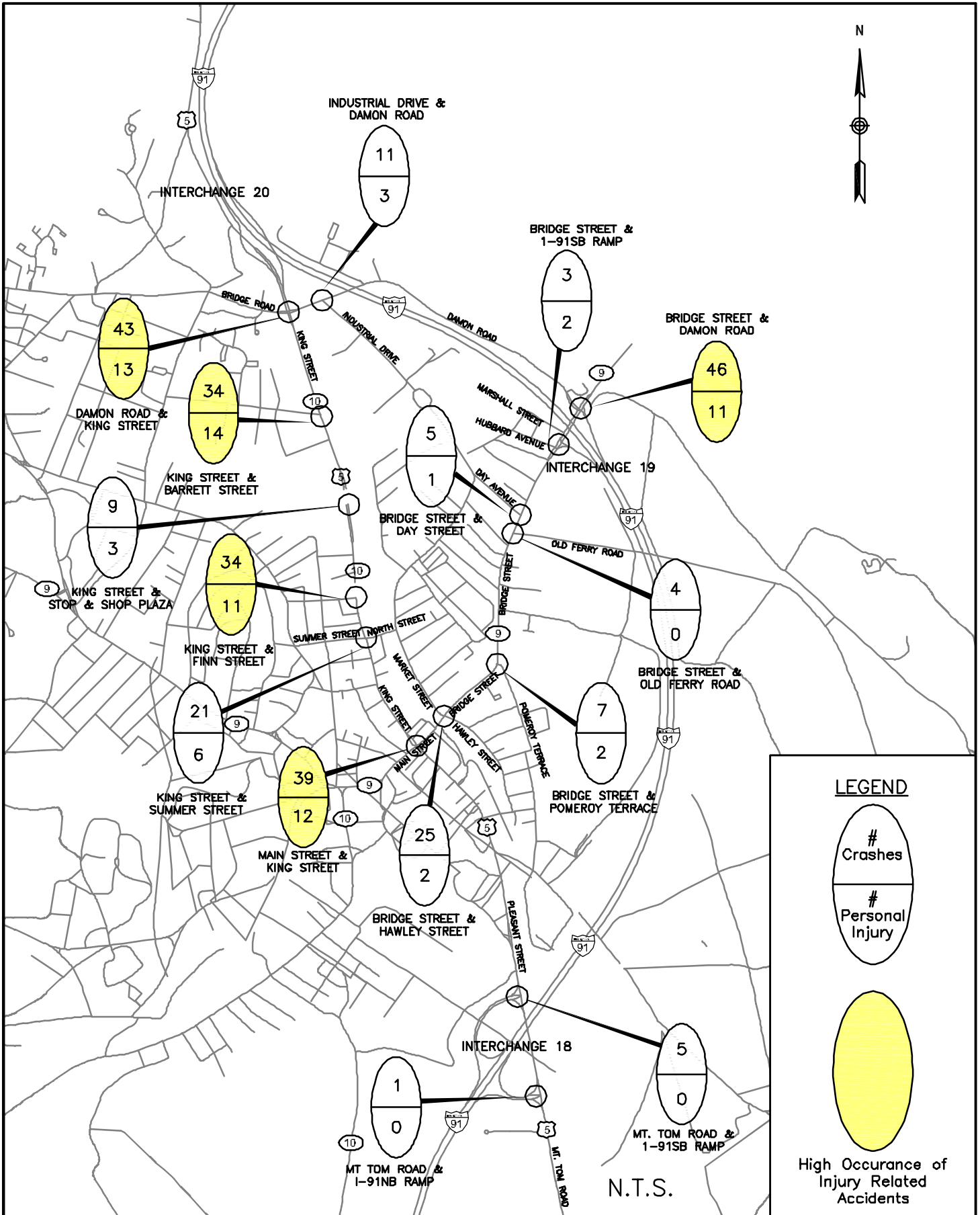
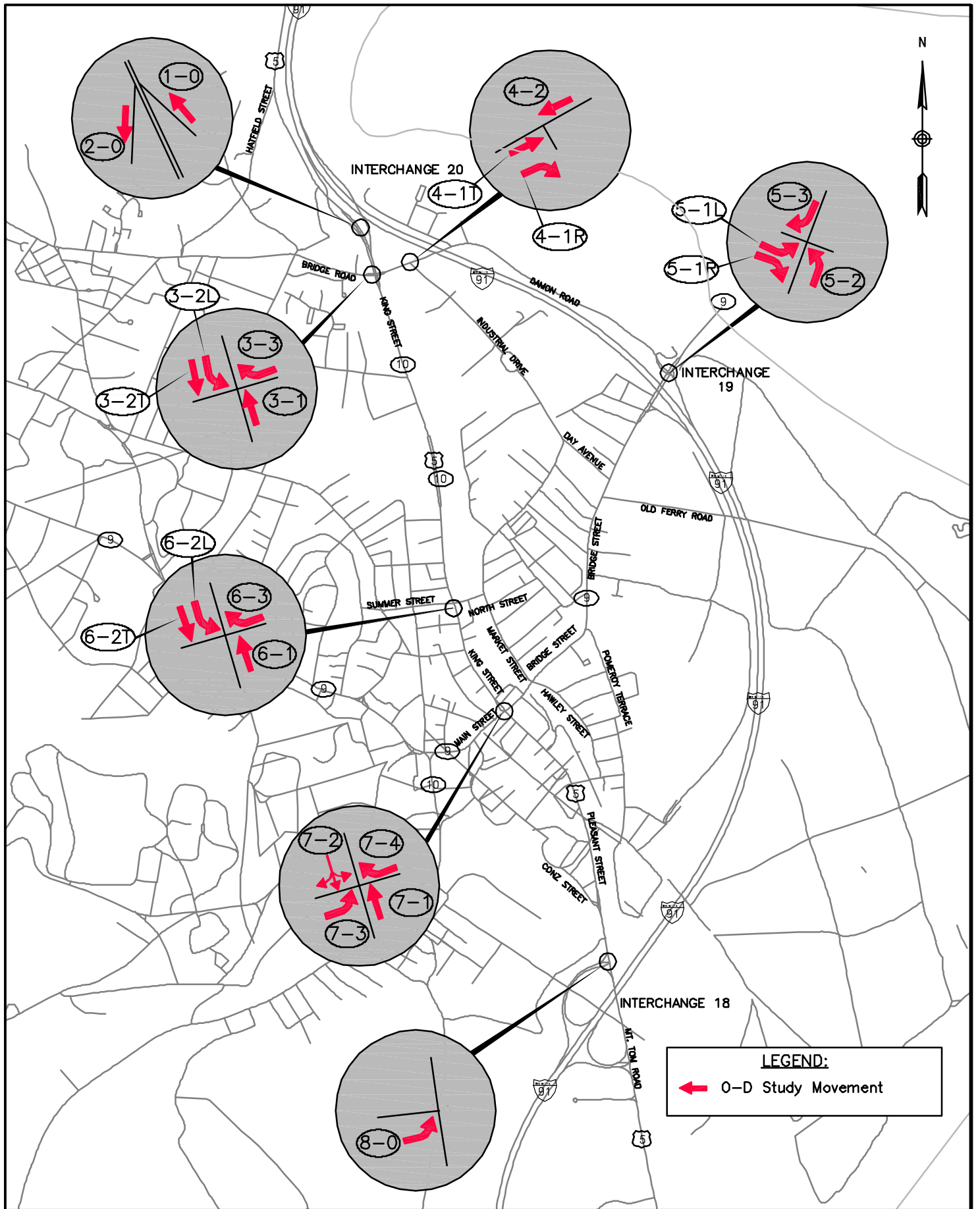


Figure 3
ACCIDENT DATA 2005-2007
I-91 Interchange Project
Northampton, MA



LEGEND:
← O-D Study Movement

Figure 4
O-D Study Stations
I-91 Interchange 19 Project
Northampton, MA

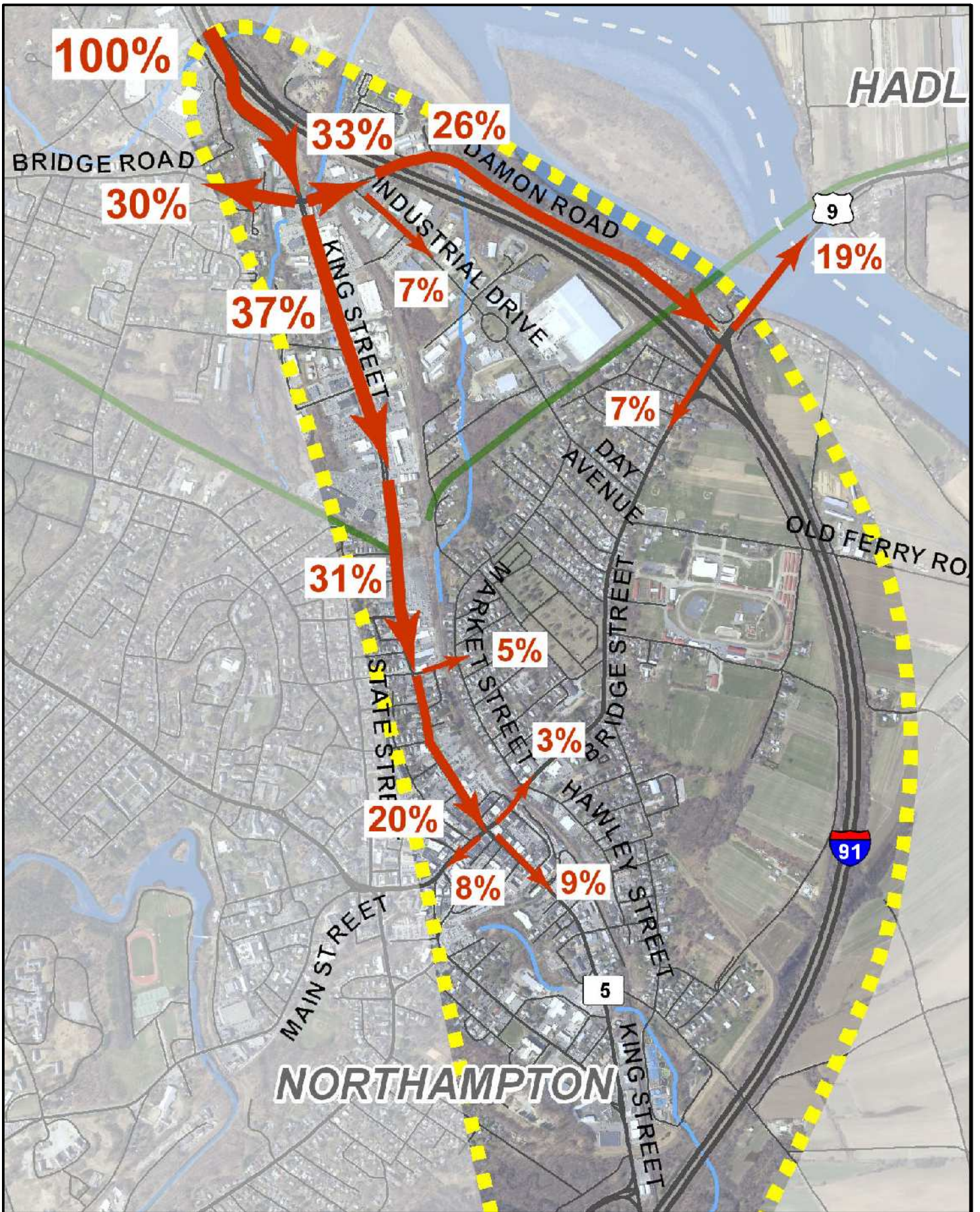


Figure 5
Exit 20 SB Off Ramp Distribution
I-91 Interchange 19 Project
Northampton, MA

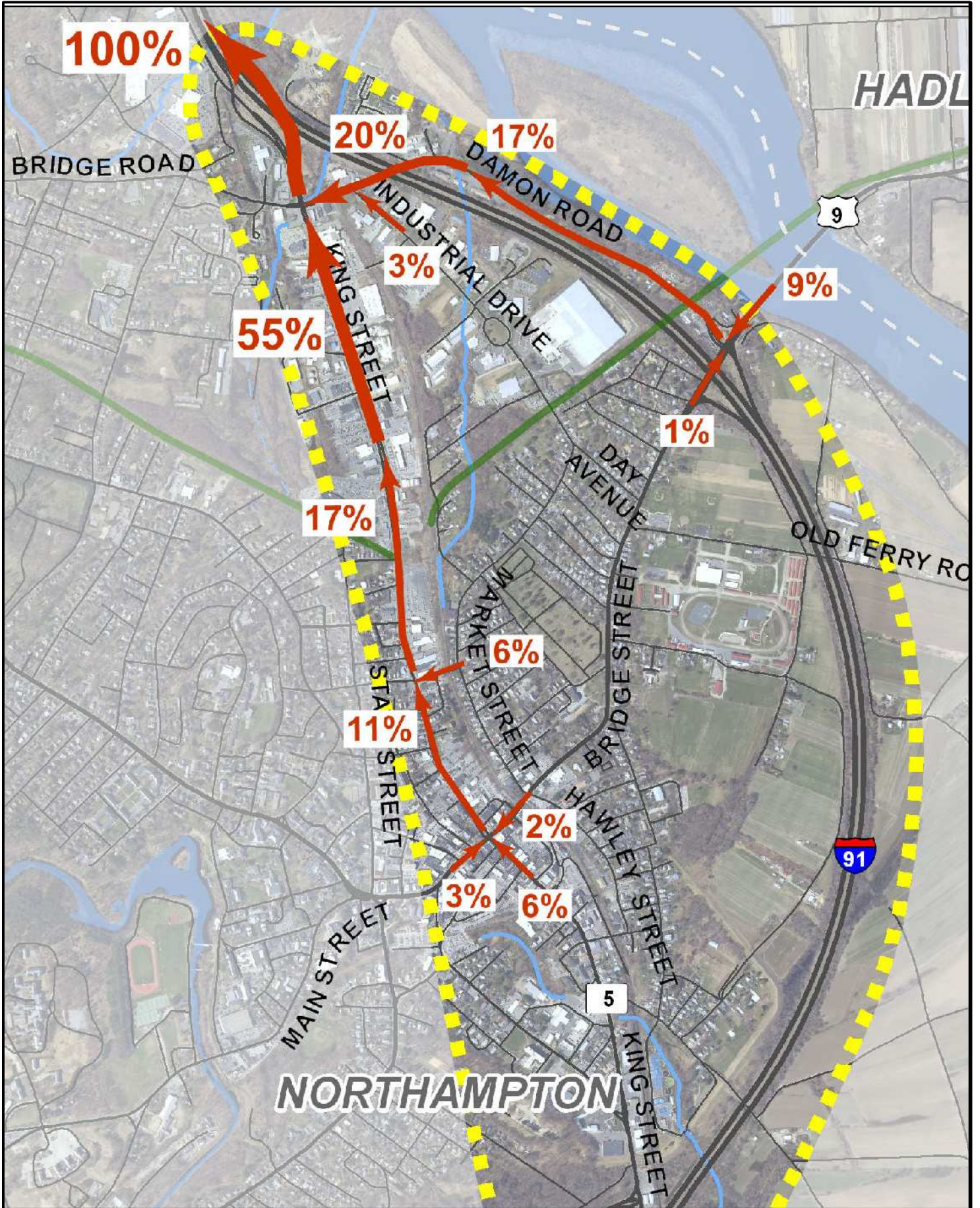
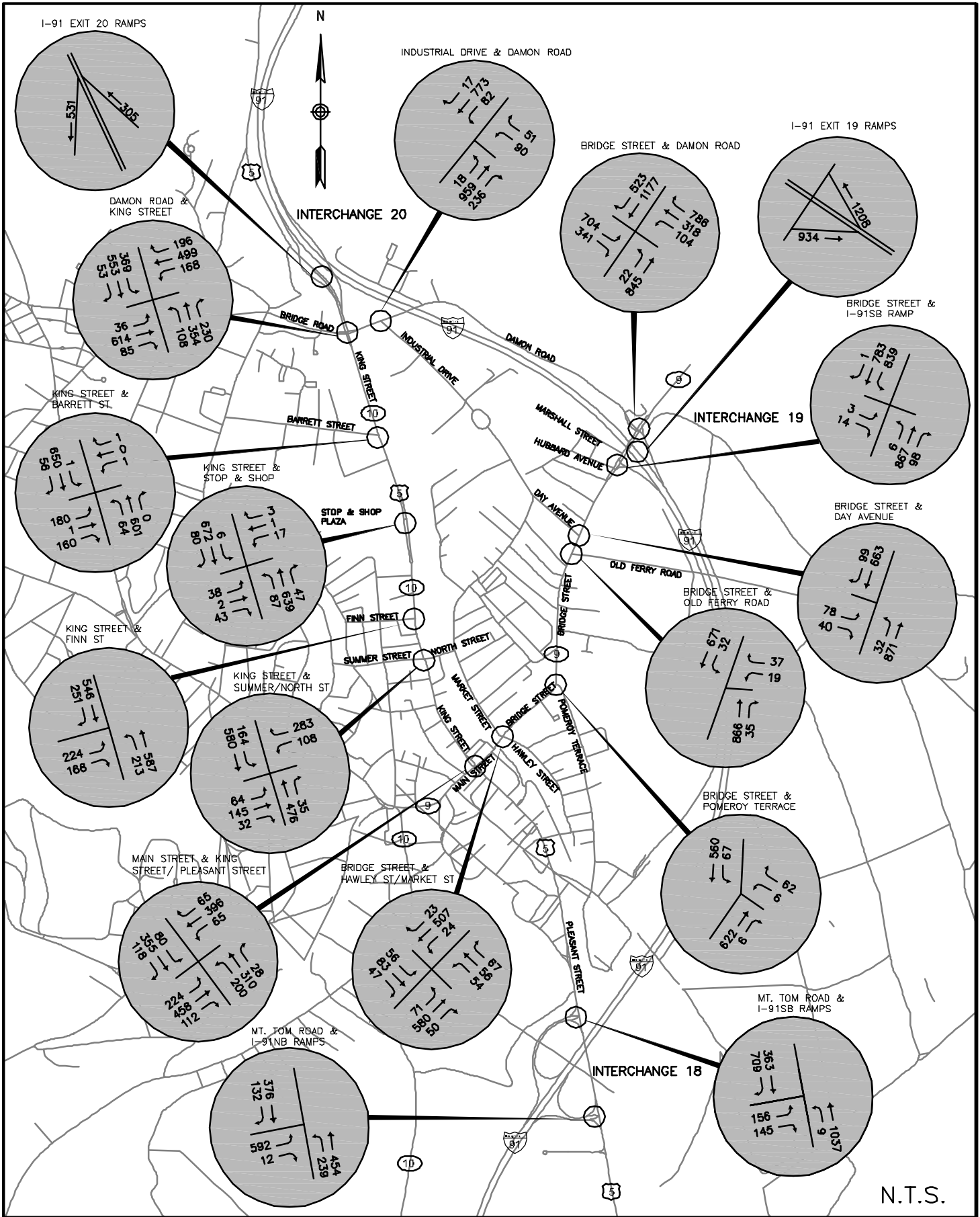


Figure 6
Exit 20 NB On Ramp Origin
I-91 Interchange 19 Project
Northampton, MA



N.T.S.

Figure 7
 2034 No Build AM Peak Hour Volumes
 I-91 Interchange 19 Project
 Northampton, MA

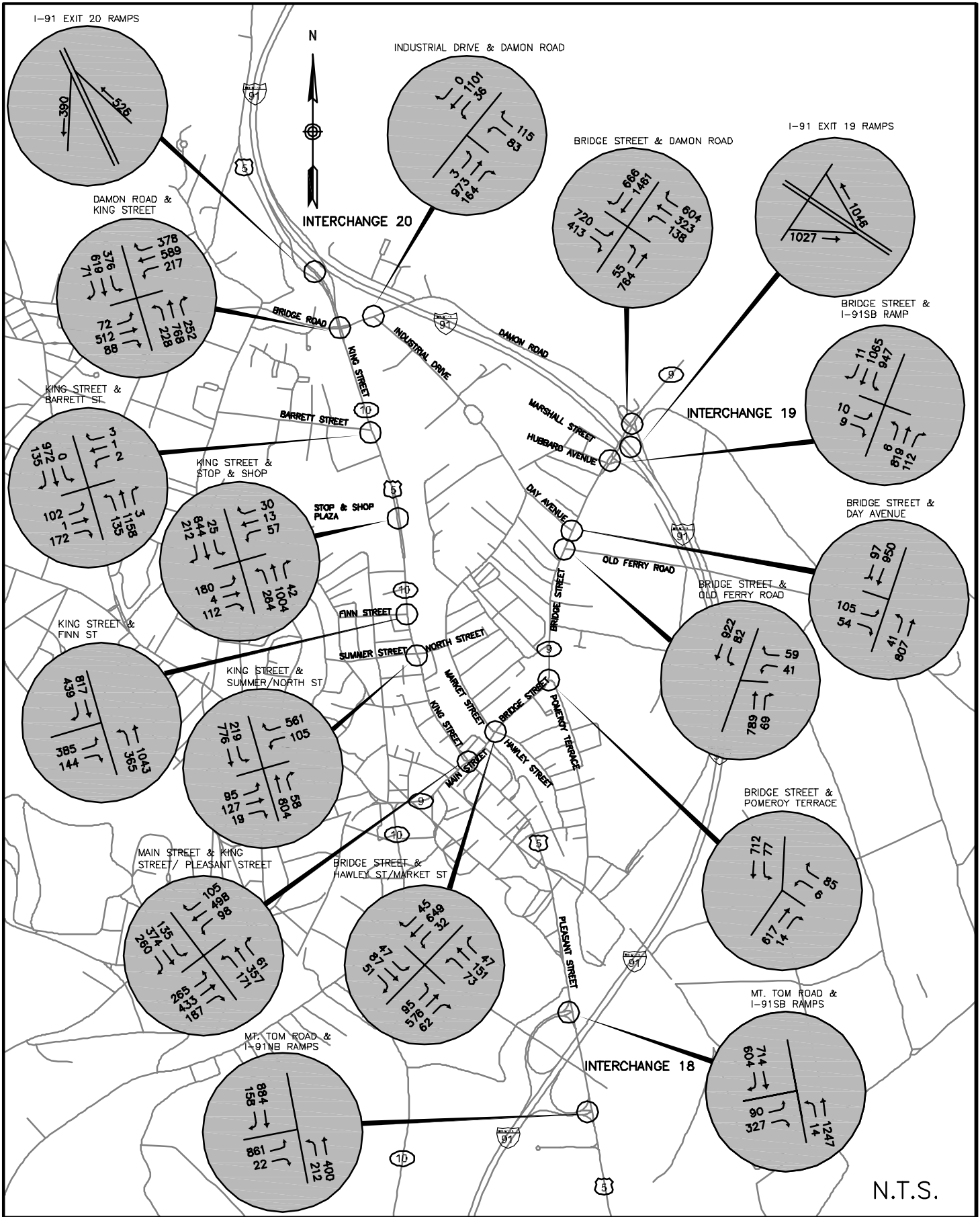


Figure 8
2034 No Build PM Peak Hour Volumes
I-91 Interchange 19 Project
Northampton, MA

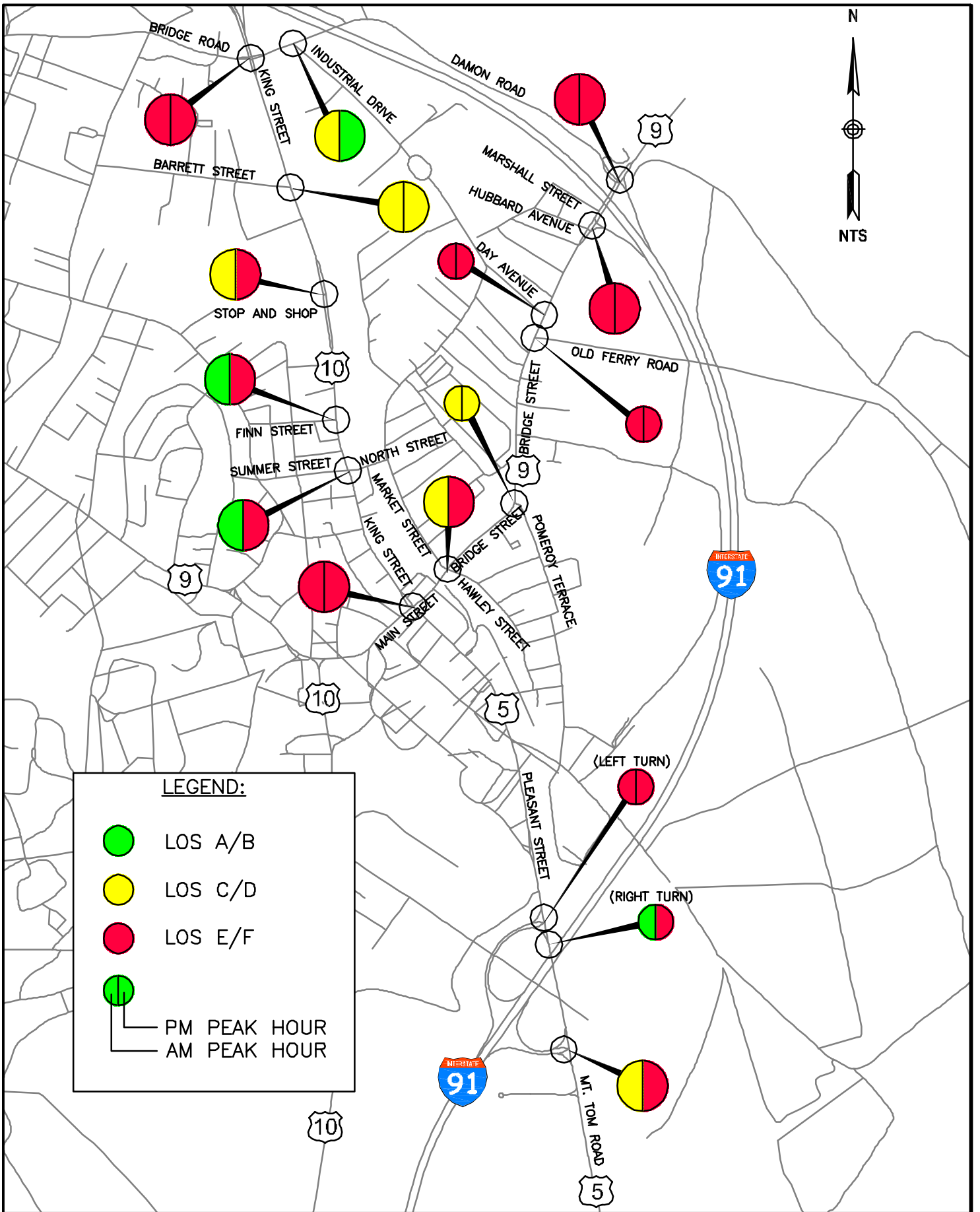


Figure 9
2034 No Build LOS Summary
I-91 Interchange 19 Project
Northampton, MA

Table 1

Capacity Analysis Summary

I-91 Exit 19 Interchange

Northampton, MA



		Weekday Morning Peak Hour		Weekday Afternoon Peak Hour	
Intersection	Movement	Existing 2009	No Build 2034	Existing 2009	No Build 2034
		LOS ¹	LOS	LOS ¹	LOS
Bridge Street (Route 9) at Damon Road/I-91 NB Off Ramp	EB L	E	E	F	E
	T	D	C	C	B
	WB T	F	F	F	F
	R	B	C	B	D
	NB L	E	E	D	F
	T	F	F	E	F
	R	F	F	D	F
	SB L	E	F	D	F
	R	B	F	C	F
overall	F	F	F	F	
Bridge Street (Route 9) at I-91 SB On-Ramp	EB T	D	D	B	C
	R	A	A	A	A
	WB L	F	F	F	F
	T	A	A	A	A
	overall	F	F	F	F
Bridge Street (Route 9) at Hubbard Street	SB LR	C	C	C	E
	EB LT	A	A	A	A
	WB TR	A	A	A	A
Bridge Street (Route 9) at Day Avenue	SB LR	F	F	F	F
	EB LT	A	A	A	C
	WB TR	A	A	A	A
Bridge Street (Route 9) at Pedestrian Signal	EB T	A	A	A	A
	WB T	A	A	A	A
Bridge Street (Route 9) at Old Ferry Road	NB LR	C	E	E	F
	EB TR	A	A	A	A
	WB LT	A	A	A	A
Bridge Street (Route 9) at Pomeroy Terrace	EB TR	A	A	A	A
	WB L	A	A	A	A
	T	A	A	A	A
	NB LR	B	C	B	D
Bridge Street (Route 9) at Market Street/ Hawley Street	EB LTR	B	D	C	F
	WB LTR	B	C	C	C
	NB LTR	D	D	D	F
	SB LTR	D	E	D	F
	overall	C	D	C	F

Table 1

**Capacity Analysis Summary
I-91 Exit 19 Interchange
Northampton, MA**



		Weekday Morning Peak Hour		Weekday Afternoon Peak Hour	
Intersection	Movement	Existing 2009	No Build 2034	Existing 2009	No Build 2034
		LOS ¹	LOS	LOS ¹	LOS
Main Street (Route 9) at Pleasant Street/King Street (Route 5/10)	EB L	D	F	E	F
	T	C	D	C	D
	R	C	C	C	C
	WB L	D	D	D	E
	T	E	E	D	F
	R	C	C	C	C
	NB L	F	F	F	F
	T	D	E	D	E
	R	C	D	C	D
	SB L	E	F	F	F
	T	D	F	E	F
R	B	B	B	C	
overall		E	E	E	F
King Street (Route 5/10) at Summer Street/North Street	EB L	C	B	E	F
	TR	B	B	C	C
	WB LR	C	B	D	F
	NB T	A	A	B	C
	R	A	A	A	A
	SB L	A	B	B	F
	T	A	B	B	C
overall		B	B	C	F
King Street (Route 5/10) at Finn Street	EB LR	D	D	F	F
	NB LT	A	B	C	F
	SB TR	A	A	A	A
	overall		B	B	D
King Street (Route 5/10) at Stop & Shop Drive/ Potporri Plaza	EB LT	D	D	F	F
	R	B	B	A	B
	WB LTR	B	C	F	E
	NB L	B	C	E	F
	TR	B	C	C	C
	SB L	B	B	B	B
	TR	C	D	E	E
overall		C	C	E	E
King Street (Route 5/10) at Barrett Street	EB LTR	D	E	C	D
	WB LTR	B	B	C	C
	NB LTR	A	A	A	C
	SB LTR	B	B	B	B
	overall		B	C	B



Table 1
Capacity Analysis Summary
I-91 Exit 19 Interchange
Northampton, MA

		Weekday Morning Peak Hour		Weekday Afternoon Peak Hour	
Intersection	Movement	Existing 2009	No Build 2034	Existing 2009	No Build 2034
		LOS ¹	LOS	LOS ¹	LOS
King Street (Route 5/10) at Damon Road/Bridge Road	EB L	C	E	D	F
		F	F	F	F
	R	A	C	A	C
		D	E	D	F
	WB L	D	F	E	F
		A	B	A	C
	NB LTR	D	N/A	F	N/A
		N/A	F	N/A	F
	TR	N/A	F	N/A	F
		F	N/A	F	N/A
	SB LTR	N/A	F	N/A	F
		N/A	E	N/A	E
overall	E	F	F	F	
Damon Road at Industrial Drive	EB LTR	A	N/A	A	N/A
		N/A	E	N/A	C
	R	N/A	A	N/A	A
		B	B	B	A
	WB L	A	A	A	B
		F	N/A	F	N/A
	NB LTR	N/A	E	N/A	D
		N/A	B	N/A	B
	SB LTR	A	N/A	A	N/A
		N/A	C	N/A	B
Mt Tom Road (Route 5) at I-91 SB Ramps	EB L	F	F	F	F
		B	B	D	F
	NB LT	A	A	A	A
		A	A	A	A
	R	A	A	A	A
Mt Tom Road (Route 5) at I-91 NB Ramps	EB L	C	E	F	F
		A	A	A	B
	NB L	E	E	E	F
		B	C	B	C
	SB T	C	D	F	F
		A	B	B	C
overall	C	D	F	F	
¹ Level-of-Service n/a Not Applicable					