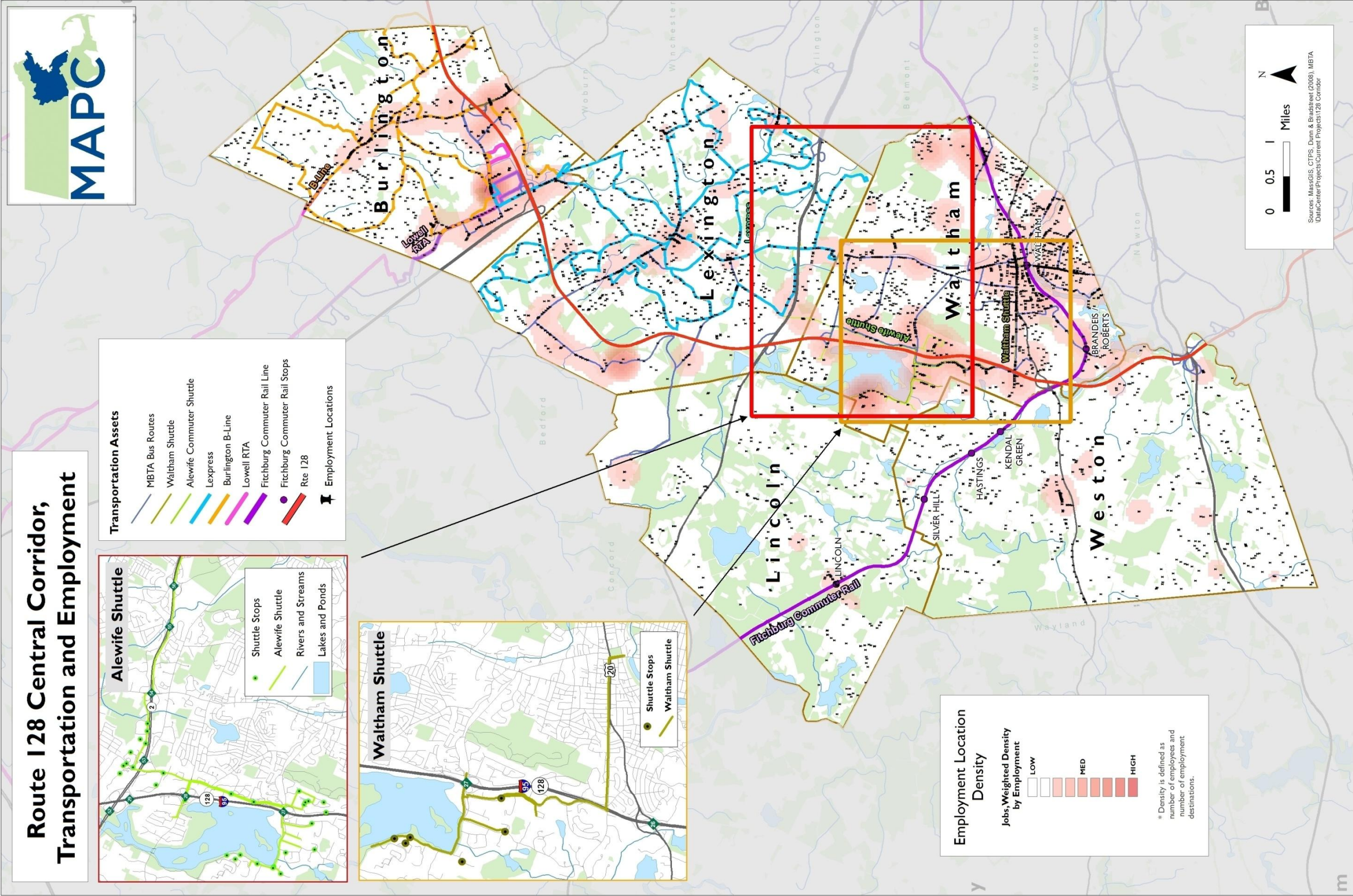


## Appendix A

# Transportation and Employment in the Central Corridor

Appendix A



## Appendix B

### Transportation Services in the Central Corridor

## Appendix B Transportation Services in the Central Corridor

Service Type	Departures		Municipalities Served in Corridor	Provides Access Outside of Corridor?	Route Type	Seating Capacity	Approximate Length of Time in Minutes (one way)	Days of Service	Fare <sup>7</sup>		
	Inbound	Outbound									
<b>Commuter</b>											
128 Business Council - Alewife Shuttle <sup>1</sup>	Commuter - Morning and Evening	128 Business Council Membership	From Alewife Station	From Bay Colony Corporate Center	Lexington, Waltham	YES	Fixed	33	30-50	Weekday (Mon. - Fri.)	\$2.50 - member/ \$4.75 non-member
128 Business Council - Waltham Shuttle	Commuter - Morning and Evening	128 Business Council Membership	From Bay Colony Corporate Center	From Waltham Center	Waltham	NO	Fixed	16	30	Weekday (Mon. - Fri.)	\$1.75 - member/ \$2.75 non-member
128 Business Council - Windsor Village	Commuter - Morning and Evening	128 Business Council Membership - Residential	From Alewife Station	From Windsor Village	Waltham	NO	Fixed	33	15	Weekday (Mon. - Fri.)	Apartment Management sells passes to residents - daily pass is \$5.00
Avalon Shuttle	Residential - Morning and Evening	Residents of Avalon (100 Lexington Ridge Drive and Lexington Hills at 1000 Main Campus Drive)	From Alewife Station	From Avalon	Lexington	YES	Fixed	20	15	Weekday (Mon. - Fri.)	Free - for Avalon residents only
Hanscom Field/MIT Lincoln Labs Subscription Line	Single Commuter Trip	Employees at Hanscom Air Force Base or MIT Lincoln Labs	From Exit 5, Route 3 in Nashua, NH	From Hanscom Field/Linear Labs	Lexington	YES	Fixed	33	40	Weekday (Mon. - Fri.)	\$125 monthly fee
Lahey Clinic Employee Shuttle	Employee - All Day	Employees at Lahey Clinic	Five shuttles run on a continuous service between parking lot and Lahey Clinic from 5am to 9pm.		Lexington	NO	Fixed	14	5	Weekday (Mon. - Fri.)	Free
MIT Lincoln Labs Shuttle <sup>2,3</sup>	Employee - All Day	Employees at MIT Lincoln Labs	From Lincoln Laboratory	From MIT in Cambridge	Lexington	YES	Fixed	20 or 44	45	Weekday (Mon. - Fri.)	Free
MBTA 170	Commuter - AM and PM Peak	Public	From Dudley Station	From Cedarwood, Waltham	Waltham	YES	Fixed	40	60	Weekday (Mon. - Fri.)	\$2.80
MBTA 351	Commuter - AM and PM Peak	Public	From Alewife Station	From Bedford Woods	Burlington	YES	Fixed	40	45	Weekday (Mon. - Fri.)	\$1.25
MBTA 352	Express to Downtown Boston - AM and PM Peak	Public	From Downtown Boston	From Burlington	Burlington	YES	Fixed	40	45	Weekday (Mon. - Fri.)	\$4.00
MBTA 505	Express to Downtown Boston - AM and PM Peak	Public	From Downtown Boston	From Central Square, Waltham	Waltham	YES	Fixed	40	30-50	Weekday (Mon. - Fri.)	\$4.00
Shire Pharmaceuticals Shuttle <sup>4</sup>	Employee - All Day	Employees at Shire Pharmaceuticals	From Alewife Station	From Shire Pharmaceuticals	Lexington	YES	Fixed	20	20	Weekday (Mon. - Fri.)	Free - for Shire Pharmaceuticals employees only
<b>General Public (Commuter and Residential)</b>											
MBTA 62	All Day	Public	From Alewife Station	From VA Hospital	Lincoln, Lexington	YES	Fixed	40	20-45 55	Weekday (Mon. - Fri.) Saturday	\$1.25
MBTA 70	All Day	Public	From Cambridge	From Cedarwood, Waltham	Waltham	YES	Fixed	40	40-60 40	Weekday (Mon. - Fri.) Saturday	\$1.25
MBTA 76	All Day	Public	From Alewife Station	From Lincoln Labs	Lincoln, Lexington	YES	Fixed	40	35-50 20-40	Sunday Weekday (Mon. - Fri.)	\$1.25
MBTA 350	All Day	Public	From Alewife Station	From Burlington	Burlington	YES	Fixed	40	40-55 25-55 25-50	Weekday (Mon. - Fri.) Saturday Sunday	\$1.25
MBTA 553	AM Peak, Mid-Day, PM Peak	Public	From Downtown Boston	From Roberts, Waltham	Waltham	YES	Fixed	40	55-70 30	Weekday (Mon. - Fri.) Saturday	\$1.25
MBTA 554	AM Peak, Mid-Day, PM Peak	Public	From Downtown Boston	From Waverly Square	Waltham	YES	Fixed	40	50-60 30-40	Weekday (Mon. - Fri.) Saturday	\$1.25
MBTA 556	AM Peak, Mid-Day, PM Peak	Public	From Downtown Boston	From Waltham Highlands	Waltham	YES	Fixed	40	30-45	Weekday (Mon. - Fri.)	\$1.25
MBTA 558	AM Peak, Mid-Day, PM Peak	Public	From Downtown Boston	From Riverside, Newton	Waltham	YES	Fixed	40	35-50	Weekday (Mon. - Fri.)	\$1.25
MBTA 70A	AM Peak, Mid-Day, PM Peak	Public	From Cambridge	From North Waltham	Waltham	YES	Fixed	40	55-70 40-60	Weekday (Mon. - Fri.) Saturday	\$1.25
Cavalier Coach Trailways	Commuter and Residential - All Day	Public	From Northborough	From Downtown Boston	Weston	YES	Fixed	55	60	Weekday (Mon. - Fri.)	\$6.00
Lowell RTA - Route 14 'Burlington/Lahey'	Commuter and Residential - AM Peak, Mid-Day, PM Peak	Public	From Lowell	From Burlington Mall/Lahey Clinic	Burlington	YES	Fixed	32, 27 or 16	45	Saturday	\$1.00
Burlington B-Line <sup>5</sup>	Residential - All Day	Public	Six shuttle routes within Burlington.		Burlington	NO	Fixed	21	15-20	Weekday (Mon. - Fri.)	\$1.50
Lexpress <sup>6</sup>	Residential - AM Peak, Mid-Day, PM Peak	Public	Six shuttle routes within Lexington. All routes depart from Depot Square.		Lexington	NO	Fixed and Flagged	20	10-20	Weekday (Mon. - Fri.)	\$1.50
Bedford Local Transit (BLT)	Residential - AM Peak and Mid-Day	Public	Pick up scheduled passengers from residences in Burlington	From Burlington Mall/Lahey Clinic	Burlington	YES	Fixed	7	105	Thursday Only	\$2.00

<sup>1</sup> All stops are to businesses. Morning and evening routes do not share the same pick-up and drop-off locations.

<sup>2</sup> Will stop at Alewife if time and traffic permits as well as in Harvard Square or other MIT buildings.

<sup>3</sup> Based on a 2-hour schedule starting at Lincoln Laboratory (Inbound) at 7am with the last shuttle leaving MIT in Cambridge (Outbound) at 6pm for a total of 6 round trips.

<sup>4</sup> Shire Pharmaceuticals provides three different routes. Two terminate at a Shire Pharmaceuticals office in Cambridge and one goes to Alewife Station in the evening only.

<sup>5</sup> The Burlington B-Line is comprised of six sub-routes. All routes begin and end at Center School and serve various destinations in Burlington.

<sup>6</sup> Lexpress is comprised of six sub-routes. All routes begin and end at Depot Square and serve various destinations in Lexington.

<sup>7</sup> Fares are based on adult one-way trips.

## Appendix C

### Community Level Journey to Work Data

ROUTE 128 CORRIDOR PLAN

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Workplace Name	Residence Community/Corridor	Workers	Percent
<b>Burlington</b>	Burlington	3,315	9.75%
	Lexington	546	1.61%
	Lincoln	95	0.28%
	Waltham	731	2.15%
	Weston	94	0.28%
	<b>5 Corridor Communities - Total</b>	<b>4,781</b>	<b>14.06%</b>
	Bedford	369	1.09%
	Wayland	137	0.40%
	Route 3 North	6,128	18.02%
	Route 128 North	9,095	26.75%
	Route 128 South	3,269	9.61%
	MA Turnpike West	2,432	7.15%
	Route 2 west	1,705	5.01%
	Route 2 east	951	2.80%
	Within Route 128 - transit available <sup>1</sup>	4,879	14.35%
	Other	258	0.76%
	<b>Total</b>	<b>34,004</b>	<b>100.00%</b>

<sup>1</sup> Transit available communities include Boston, Brookline, Cambridge, Chelsea, Everett, Malden, Medford, Melrose, Newton, and Somerville.

Workplace Name	Residence Community/Corridor	Workers	Percent
<b>Lexington</b>	Burlington	423	1.97%
	Lexington	3,463	16.16%
	Lincoln	64	0.30%
	Waltham	648	3.02%
	Weston	81	0.38%
	<b>5 Corridor Communities - Total</b>	<b>4,679</b>	<b>21.84%</b>
	Bedford	457	2.13%
	Wayland	117	0.55%
	Route 3 North	2,795	13.05%
	Route 128 North	3,076	14.36%
	Route 128 South	2,253	10.52%
	MA Turnpike West	1,741	8.13%
	Route 2 west	1,667	7.78%
	Route 2 east	1,107	5.17%
	Within Route 128 - transit available	3,338	15.58%
	Other	193	0.90%
	<b>Total</b>	<b>21,423</b>	<b>100.00%</b>

ROUTE 128 CORRIDOR PLAN

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Workplace Name	Residence Community/Corridor	Workers	Percent
<b>Lincoln</b>	Burlington	13	0.53%
	Lexington	27	1.11%
	Lincoln	547	22.49%
	Waltham	46	1.89%
	Weston	17	0.70%
	<b>5 Corridor Communities – Total</b>	<b>650</b>	<b>26.73%</b>
	Bedford	0	0.00%
	Wayland	22	0.90%
	Route 3 North	277	11.39%
	Route 128 North	194	7.98%
	Route 128 South	339	13.94%
	MA Turnpike West	254	10.44%
	Route 2 west	307	12.62%
	Route 2 east	78	3.21%
	Within Route 128 - transit available	294	12.09%
	Other	17	0.70%
	<b>Total</b>	<b>2,432</b>	<b>100.00%</b>

Workplace Name	Residence Community/Corridor	Workers	Percent
<b>Waltham</b>	Burlington	473	0.89%
	Lexington	818	1.54%
	Lincoln	138	0.26%
	Waltham	11,143	20.98%
	Weston	347	0.65%
	<b>5 Corridor Communities - Total</b>	<b>12,919</b>	<b>24.32%</b>
	Bedford	365	0.69%
	Wayland	450	0.85%
	Route 3 North	3,890	7.32%
	Route 128 North	6,186	11.64%
	Route 128 South	9,767	18.38%
	MA Turnpike West	6,451	12.14%
	Route 2 west	2,133	4.02%
	Route 2 east	1,844	3.47%
	Within Route 128 - transit available	8,637	16.26%
	Other	483	0.91%
	<b>Total</b>	<b>53,125</b>	<b>100.00%</b>

ROUTE 128 CORRIDOR PLAN

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<b>Workplace Name</b>	<b>Residence Community/Corridor</b>	<b>Workers</b>	<b>Percent</b>
<b>Weston</b>	Burlington	46	0.58%
	Lexington	21	0.27%
	Lincoln	20	0.25%
	Waltham	222	2.82%
	Weston	1,045	13.26%
	<b>5 Corridor Communities - Total</b>	<b>1,354</b>	<b>17.18%</b>
	Bedford	15	0.19%
	Wayland	105	1.33%
	Route 3 North	385	4.89%
	Route 128 North	1,051	13.34%
	Route 128 South	1,507	19.12%
	MA Turnpike West	1,273	16.15%
	Route 2 west	304	3.86%
	Route 2 east	126	1.60%
	Within Route 128 - transit available	1,343	17.04%
	Other	417	5.29%
	<b>Total</b>	<b>7,880</b>	<b>100.00%</b>

<b>Residence Name</b>	<b>Workplace Community/Corridor</b>	<b>Residents</b>	<b>Percent</b>
<b>Burlington</b>	Burlington	3,315	27.15%
	Lexington	423	3.46%
	Lincoln	13	0.11%
	Waltham	473	3.87%
	Weston	46	0.38%
	<b>5 Corridor Communities - Total</b>	<b>4,270</b>	<b>34.97%</b>
	Bedford	513	4.20%
	Wayland	14	0.11%
	Route 3 North	948	7.76%
	Route 128 North	2,433	19.93%
	Route 128 South	632	5.18%
	MA Turnpike West	380	3.11%
	Route 2 west	294	2.41%
	Route 2 east	179	1.47%
	Within Route 128 - transit available	2,471	20.24%
	<b>Other</b>	<b>76</b>	<b>0.62%</b>
	<b>Total</b>	<b>12,210</b>	<b>100.00%</b>

ROUTE 128 CORRIDOR PLAN

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Residence Name	Workplace Community/Corridor	Residents	Percent
<b>Lexington</b>	Burlington	546	3.77%
	Lexington	3,463	23.91%
	Lincoln	27	0.19%
	Waltham	818	5.65%
	Weston	21	0.15%
	<b>5 Corridor Communities - Total</b>	<b>4,875</b>	<b>33.66%</b>
	Bedford	489	3.38%
	Wayland	60	0.41%
	Route 3 North	791	5.46%
	Route 128 North	1,087	7.51%
	Route 128 South	1,008	6.96%
	MA Turnpike West	556	3.84%
	Route 2 west	495	3.42%
	Route 2 east	265	1.83%
	Within Route 128 - transit available	4,718	32.58%
	Other	138	0.95%
	<b>Total</b>	<b>14,482</b>	<b>100.00%</b>

Residence Name	Workplace Community/Corridor	Residents	Percent
<b>Lincoln</b>	Burlington	95	2.39%
	Lexington	64	1.61%
	Lincoln	547	13.73%
	Waltham	138	3.46%
	Weston	20	0.50%
	<b>5 Corridor Communities - Total</b>	<b>864</b>	<b>21.69%</b>
	Bedford	1,083	27.19%
	Wayland	7	0.18%
	Route 3 North	117	2.94%
	Route 128 North	212	5.32%
	Route 128 South	185	4.64%
	MA Turnpike West	204	5.12%
	Route 2 west	208	5.22%
	Route 2 east	30	0.75%
	Within Route 128 - transit available	1,031	25.89%
	Other	42	1.05%
	<b>Total</b>	<b>3,983</b>	<b>100.00%</b>

ROUTE 128 CORRIDOR PLAN

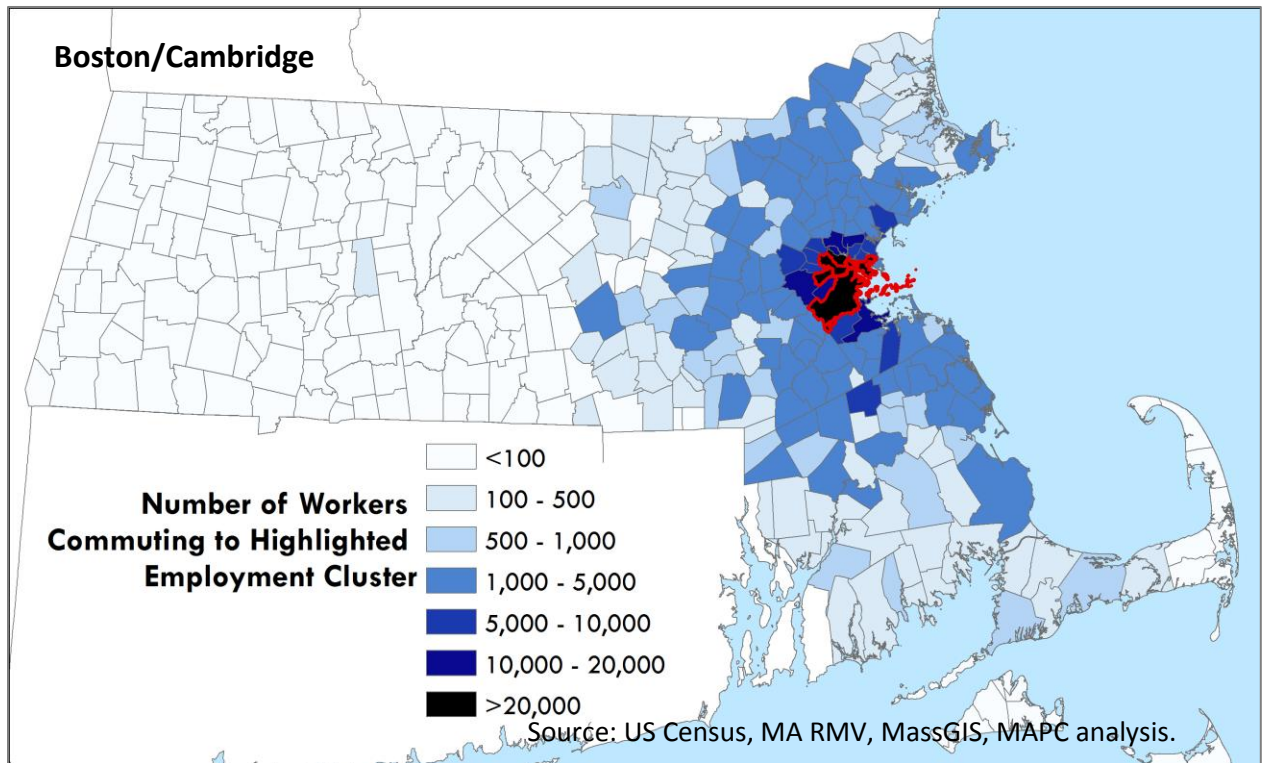
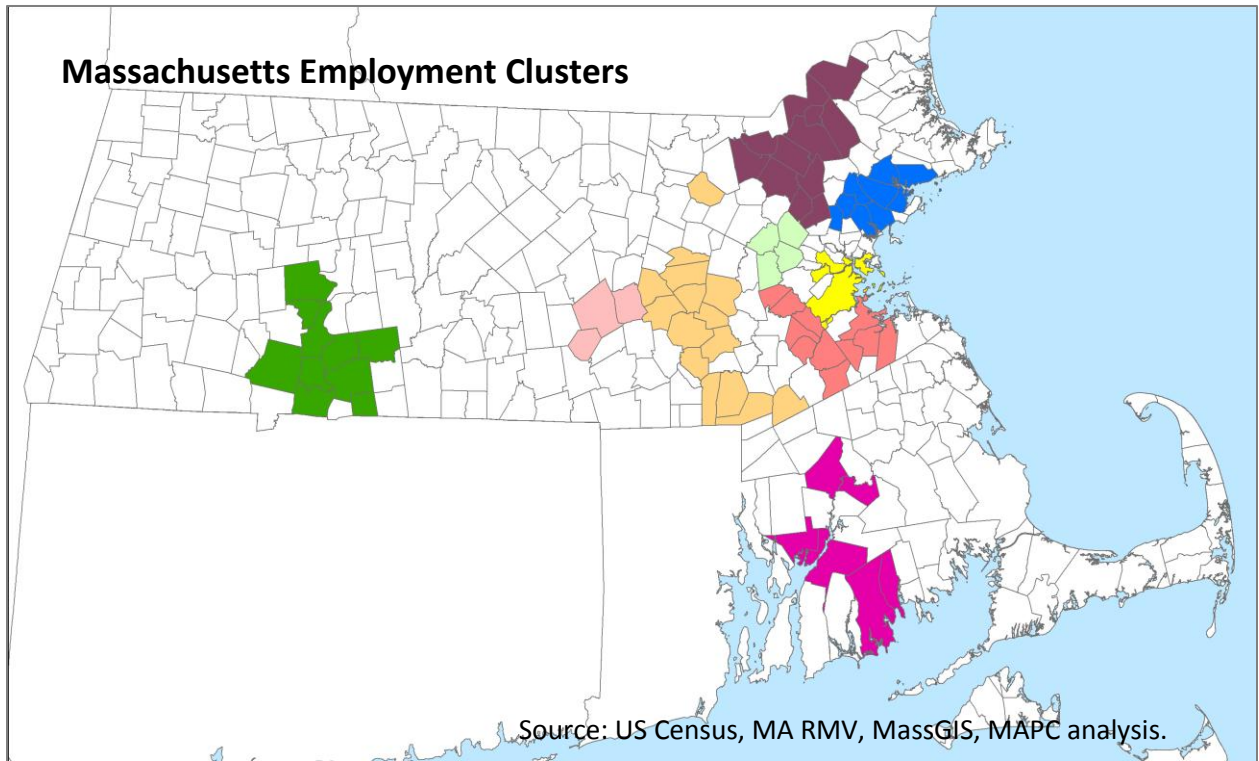
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Residence Name	Workplace Community/Corridor	Residents	Percent
<b>Waltham</b>	Burlington	731	2.24%
	Lexington	648	1.98%
	Lincoln	46	0.14%
	Waltham	11,143	34.11%
	Weston	222	0.68%
	<b>5 Corridor Communities – Total</b>	<b>12,790</b>	<b>39.15%</b>
	Bedford	421	1.29%
	Wayland	115	0.35%
	Route 3 North	854	2.61%
	Route 128 North	1,744	5.34%
	Route 128 South	5,492	16.81%
	MA Turnpike West	2,122	6.50%
	Route 2 west	789	2.41%
	Route 2 east	489	1.50%
	Within Route 128 - transit available	7,691	23.54%
	Other	164	0.50%
	<b>Total</b>	<b>32,671</b>	<b>100.00%</b>

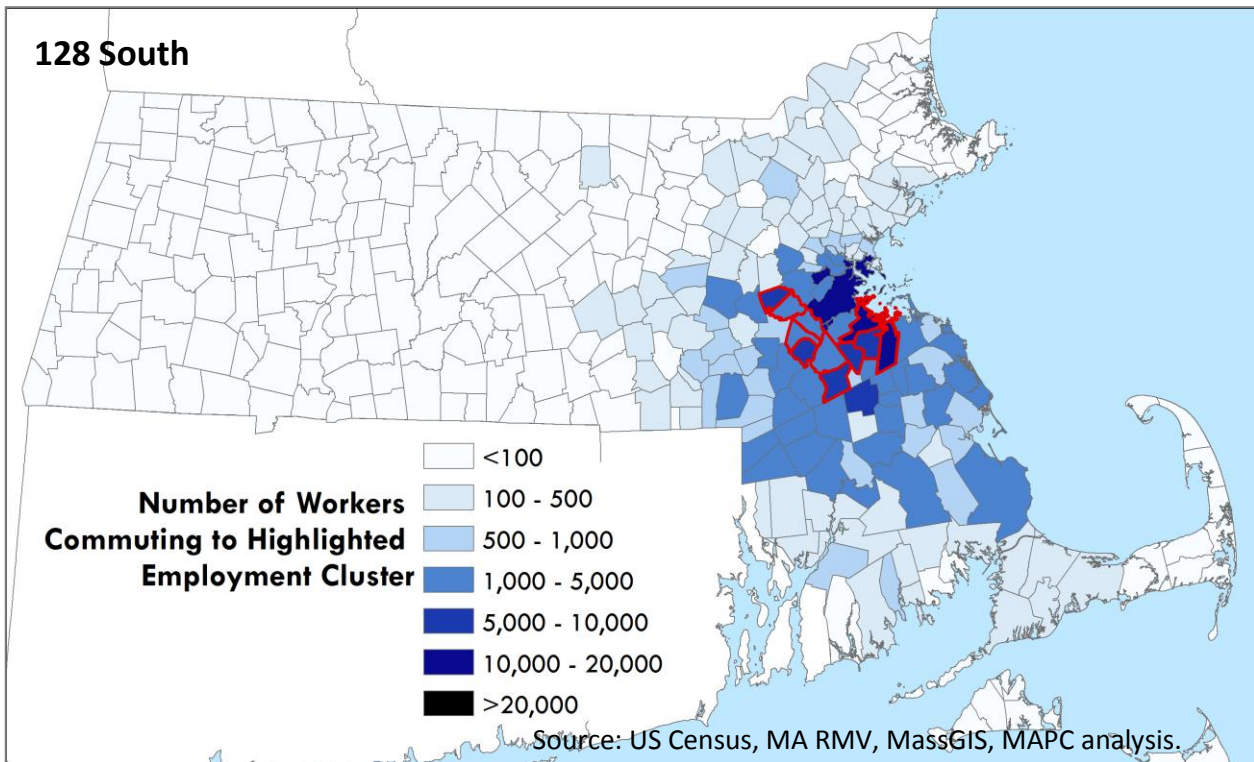
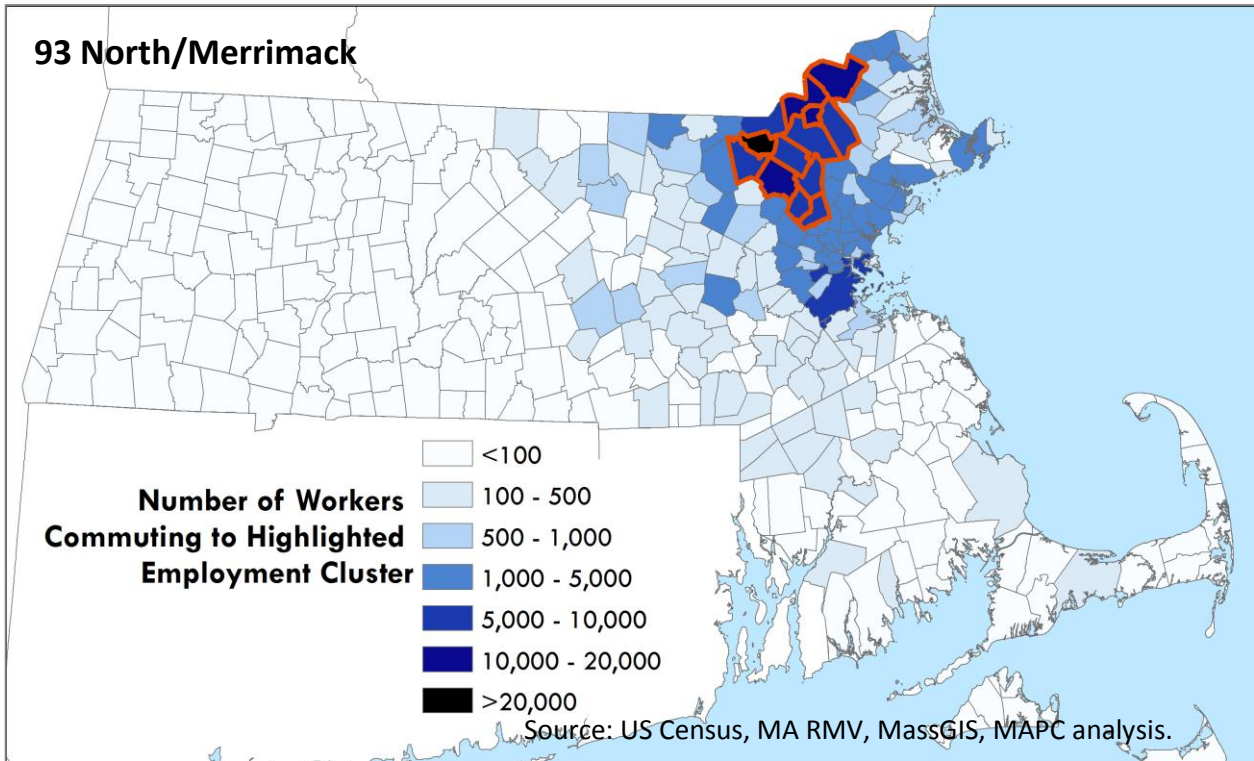
Residence Name	Workplace Community/Corridor	Residents	Percent
<b>Weston</b>	Burlington	94	1.85%
	Lexington	81	1.60%
	Lincoln	17	0.33%
	Waltham	347	6.83%
	Weston	1,045	20.58%
	<b>5 Corridor Communities - Total</b>	<b>1,584</b>	<b>31.20%</b>
	Bedford	46	0.91%
	Wayland	34	0.67%
	Route 3 North	82	1.62%
	Route 128 North	202	3.98%
	Route 128 South	758	14.93%
	MA Turnpike West	289	5.69%
	Route 2 west	84	1.65%
	Route 2 east	43	0.85%
	Within Route 128 - transit available	1,879	37.01%
	Other	76	1.50%
	<b>Total</b>	<b>5,077</b>	<b>100.00%</b>

## Appendix D

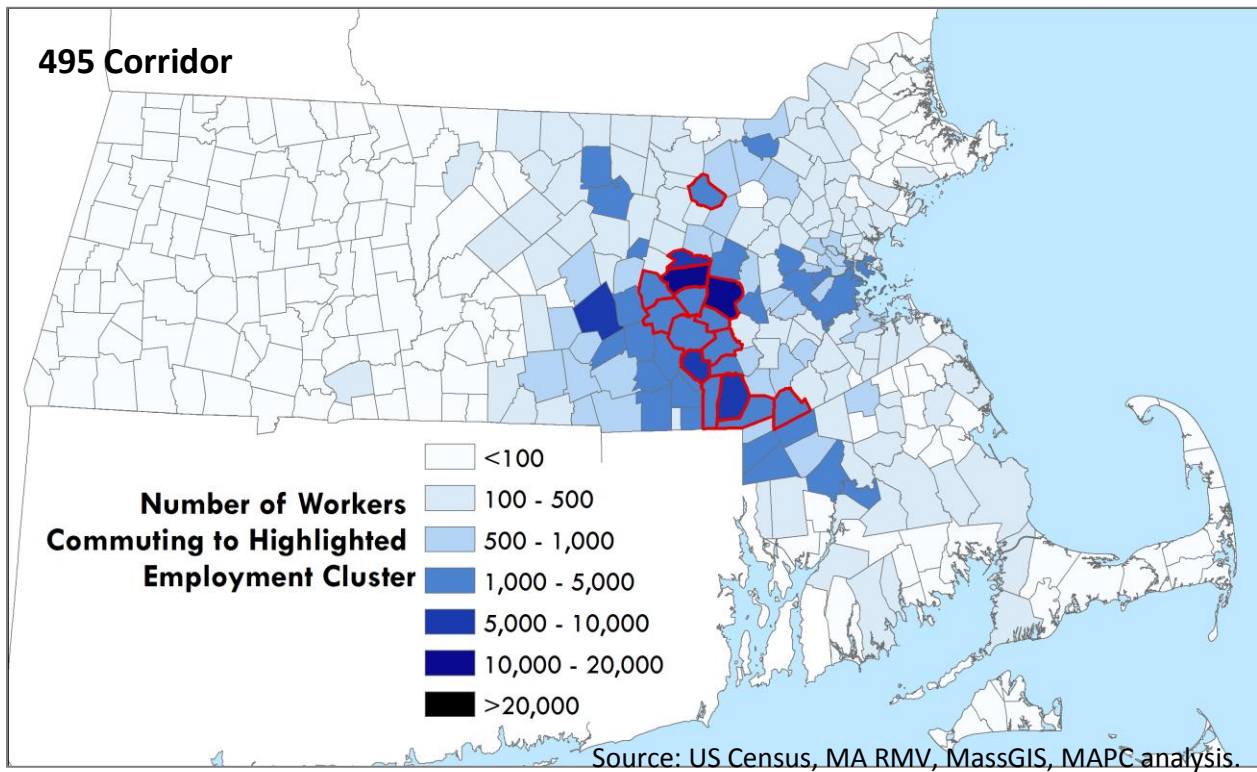
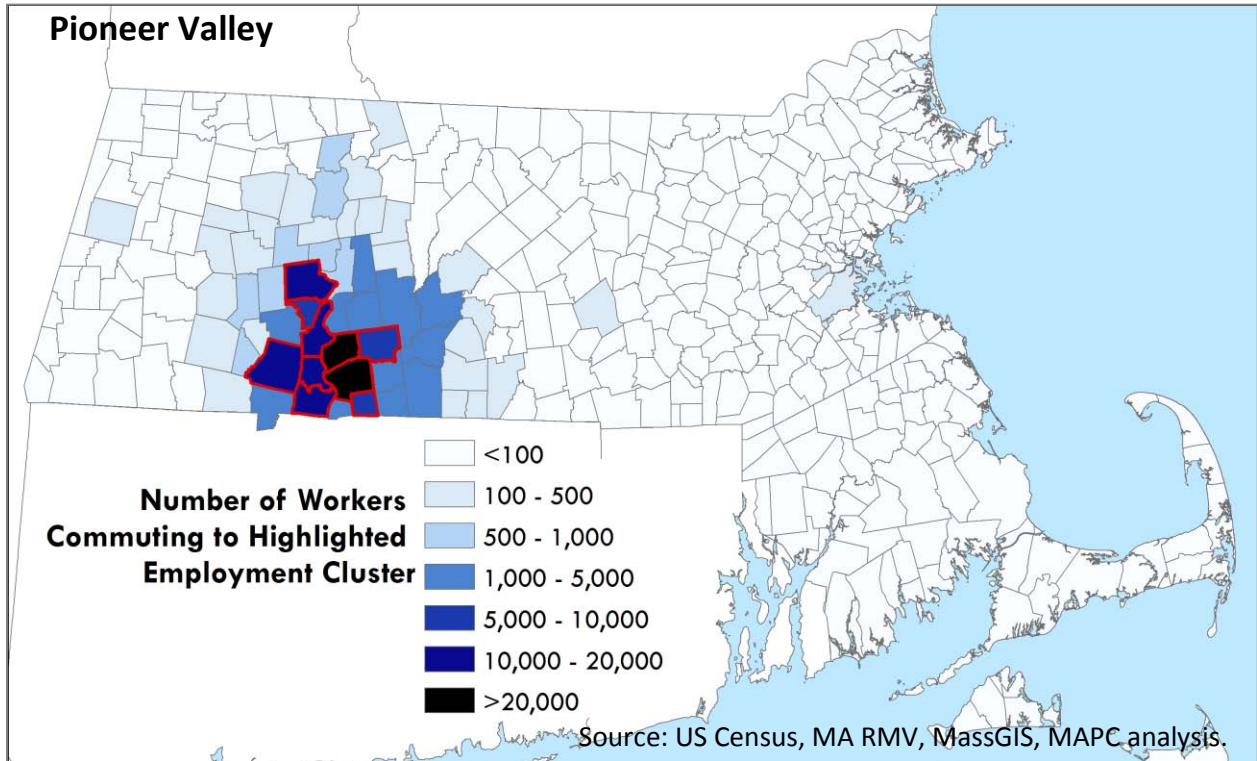
### Commutersheds in Massachusetts



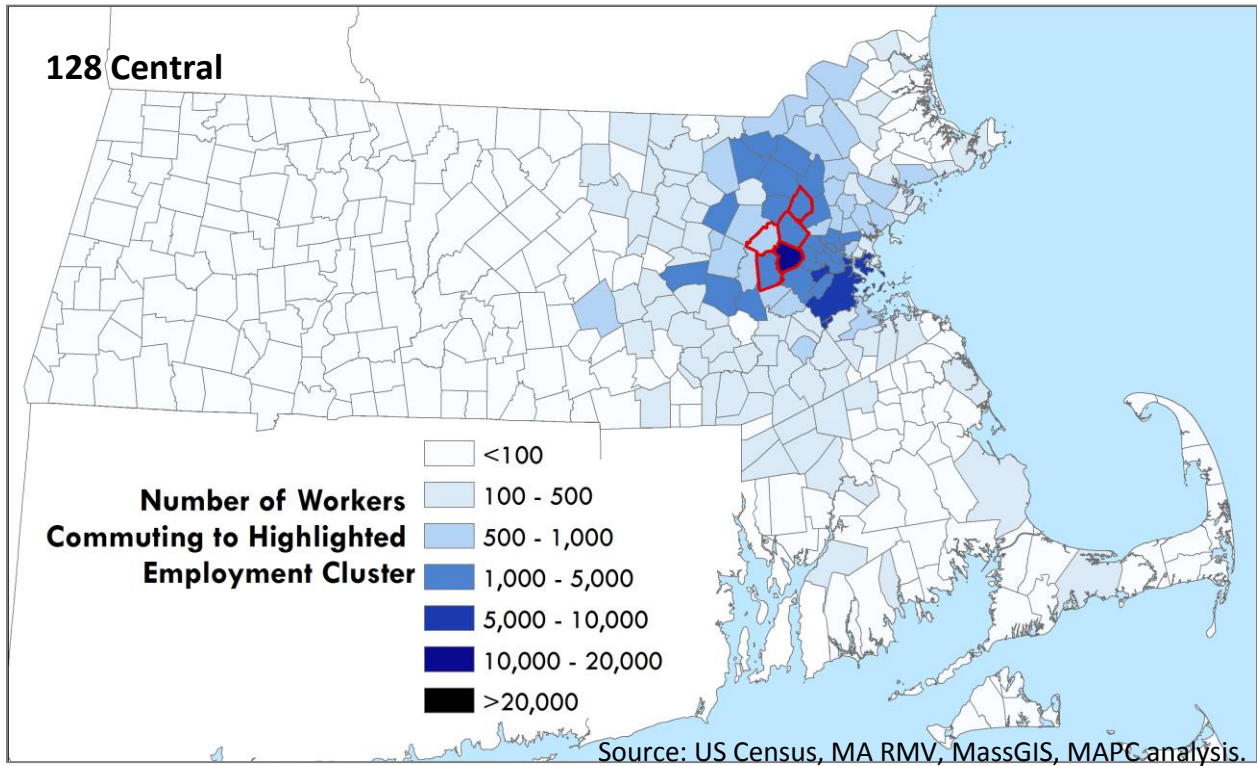
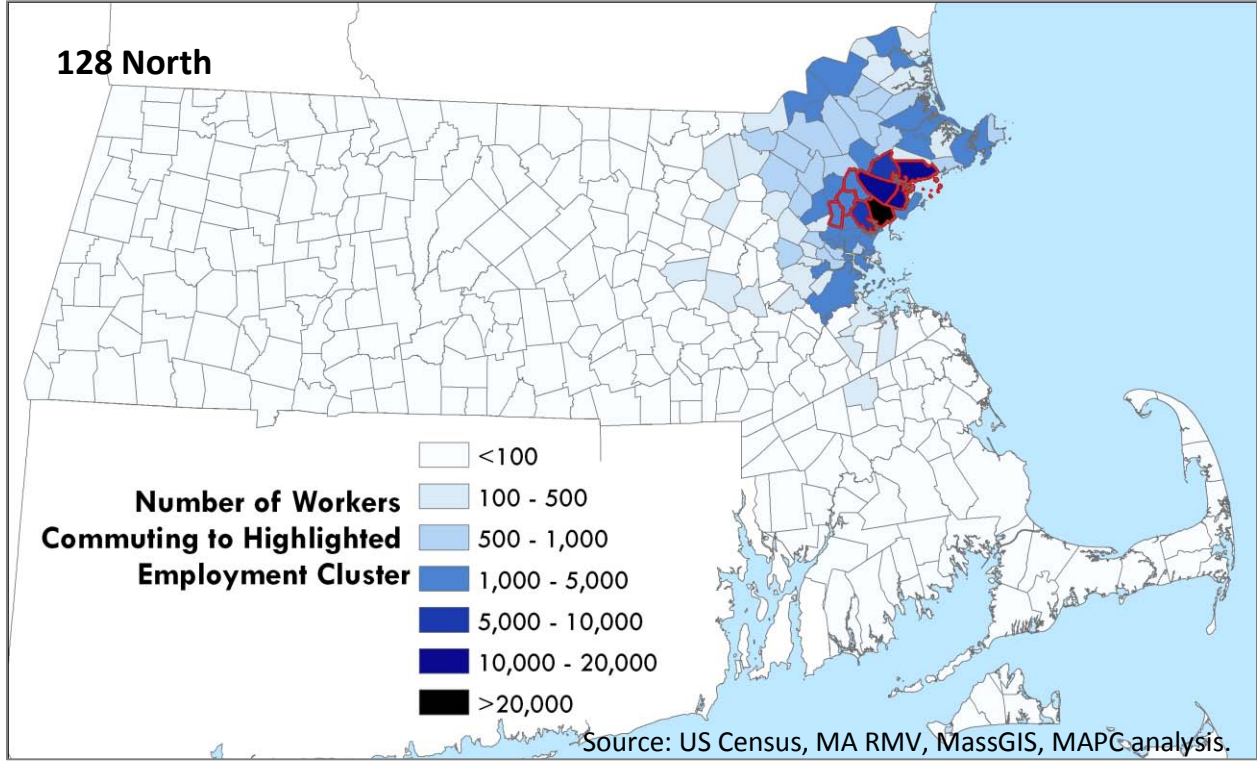
ROUTE 128 CORRIDOR PLAN



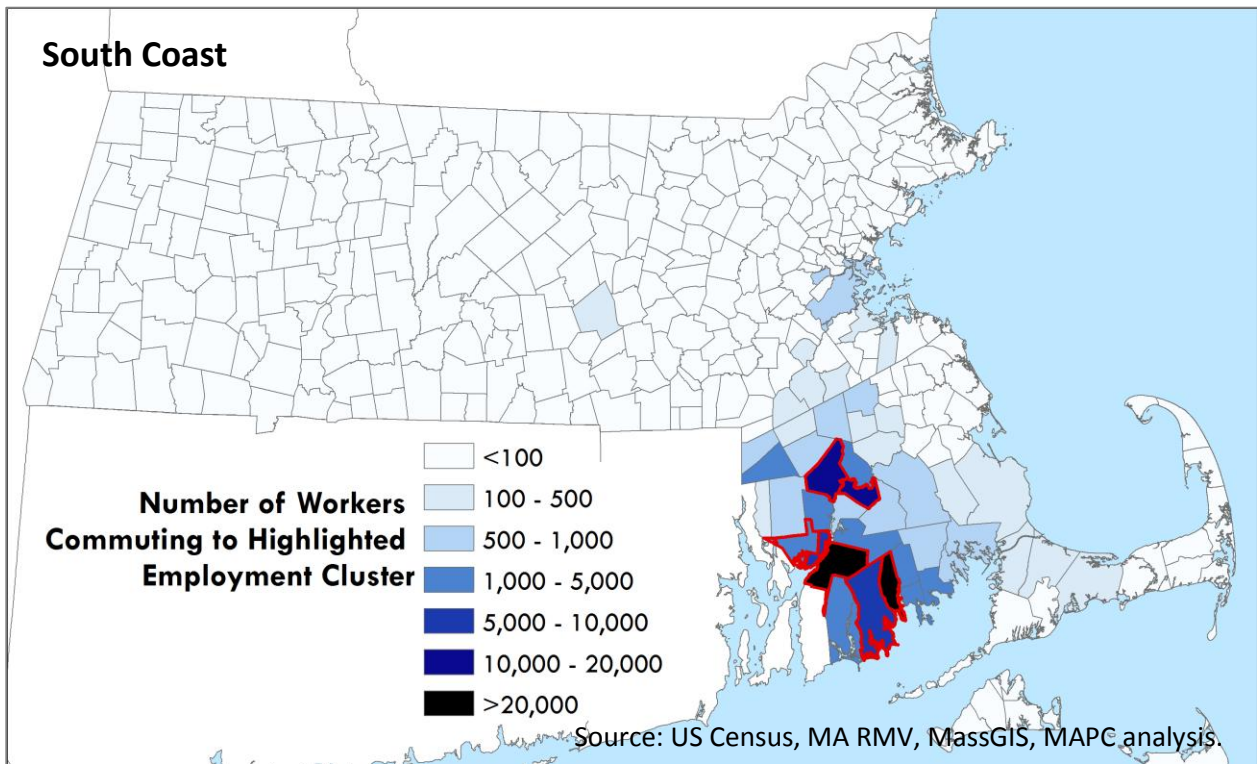
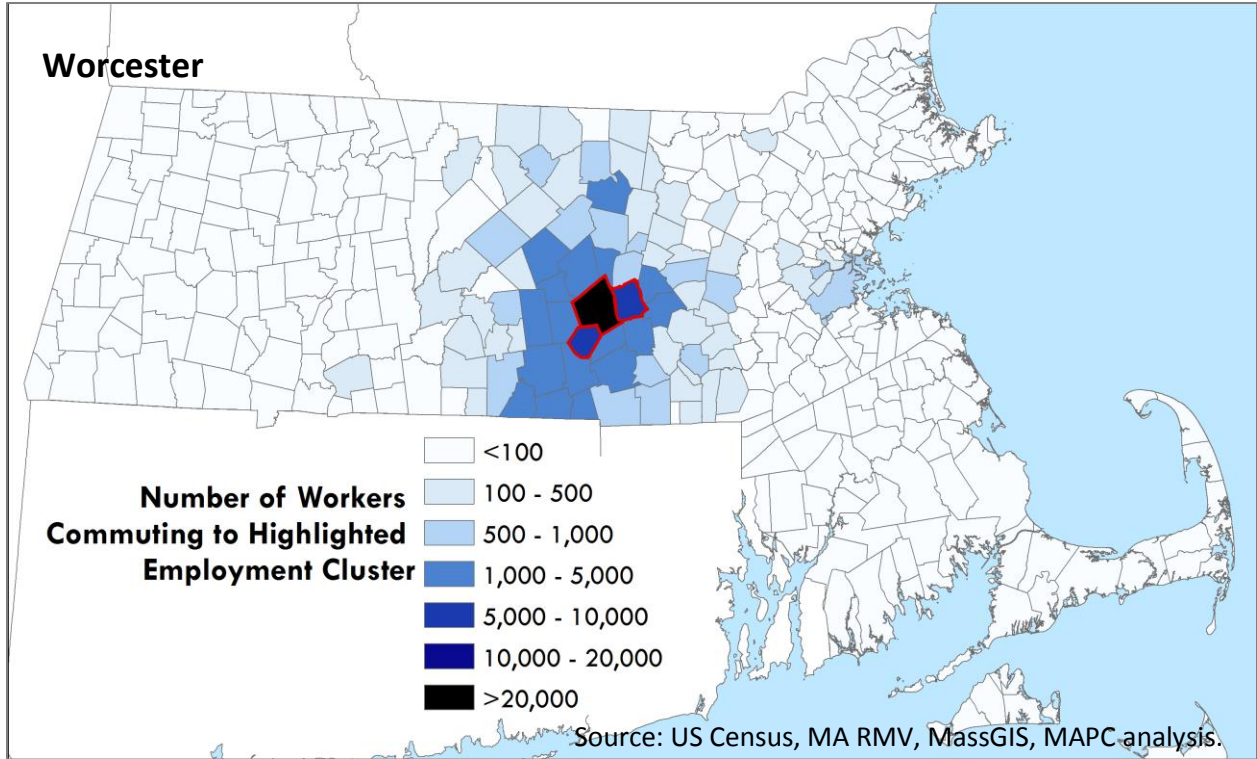
# ROUTE 128 CORRIDOR PLAN



ROUTE 128 CORRIDOR PLAN



# ROUTE 128 CORRIDOR PLAN



# Appendix E

## Commuter Survey

## ROUTE 128 CORRIDOR PLAN

**1. What company do you work for?**

	Number of Responses	Percent of Total
Adobe	48	1.3
Fresenius Medical Care	369	10.1
Immunogen	96	2.6
MIT Lincoln Laboratory	1,479	40.6
QinetiQ/North America	70	1.9
Mass Medical	188	5.2
National Grid	687	18.8
Perkin Elmer	100	2.7
Sun Microsystems	595	16.3
Westin Waltham Hotel	13	0.4

3,645

**2. What time do you usually begin work in the morning?**

	Number of Responses	Percent of Total
Before 6:00AM	14	0.4
6:00 - 7:00AM	475	14.7
7:00 - 7:30AM	514	16.0
7:30 - 8:00AM	521	16.2
8:00 - 8:30AM	753	23.4
8:30 - 9:00AM	622	19.3
After 9:00AM	323	10.0

3,222

**3. What time do you usually leave work in the afternoon?**

	Number of Responses	Percent of Total
Before 4:00PM	384	11.9
4:00 - 4:30PM	507	15.7
4:30 - 5:00PM	553	17.2
5:00 - 5:30PM	695	21.6
5:30 - 6:00PM	476	14.8
6:00 - 7:00PM	508	15.8
7:00 - 8:30PM	93	2.9
After 8:00PM	7	

3,223

**4. How often do you vary your work hours by more than 30 minutes from these times?**

	Number of Responses	Percent of Total
Never	630	19.6
1-2 days/week	1,673	52.0
3+ days/week	498	15.5
1-2 days/month	416	12.9

3,217

**5. How much flexibility do you have in choosing the time you start work?**

	Number of Responses	Percent of Total
None, employer sets the time	464	14.5
up to 15 minutes	233	7.3
30 minutes	638	19.9
1 hour/more	772	24.1
no set time	1,096	34.2

3,203

**6. How many hours are you scheduled to work each week?**

	Number of Responses	Percent of Total
Less than 17	4	0.1
17-25	43	1.3
26-30	21	0.7
31-35	73	2.3
36-40	2,003	62.2
41-45	846	26.3
More	229	7.1

3,219

## ROUTE 128 CORRIDOR PLAN

**7. How long does it take you to travel to work on a typical day? (minutes one-way)**

	Number of Responses	Percent of Total
5 to 15 min	241	7.5
16 to 30 min	799	24.9
31 to 45 min	917	28.6
46 to 60 min	753	23.5
60+ min	493	15.4
	3,203	

**8. How many miles (approximately) do you travel from home to work on a typical day? (miles one-way)**

	Number of Responses	Percent of Total
1 to 10 miles	633	19.7
11 to 20 miles	1,180	36.7
21 to 40 miles	955	29.7
41 to 60 miles	347	10.8
61 to 100 miles	94	2.9
more	4	0.1
	3,213	

**9. How do you commute to work during a typical week? (primary mode only)**

Answer Options	Response Count	Percent of Total
Drove alone the entire way	808	94.3%
Drove alone, then took public transportation	0	0.0%
Walked, then took public transportation	4	0.5%
transportation	3	0.4%
Bicycled, then took public transportation	2	0.2%
Rode in a 2-person carpool	27	3.2%
Rode in a 3- to 7-person carpool	0	0.0%
Rode in an 8- or more person vanpool	1	0.1%
Dropped off at work (by taxi or other)	4	0.5%
Commuter Boat	0	0.0%
Bicycled	6	0.7%
Walked	0	0.0%
Worked at home	2	0.2%
	857	

**10. Why have you chosen your commuting method?**

	Number of Responses	Percent of Total
Convenience	602	42.3
Cost	174	12.2
No other option	515	36.2
Other	131	9.2
	1,422	

**11. How many times a month (on average) do you use your own car for work-related business during the day?**

	Number of Responses	Percent of Total
None	2,270	70.6
1 to 4	877	27.3
5 or more	67	2.1
	3,214	

**12. If you drive to work, where is the vehicle usually parked?**

	Number of Responses	Percent of Total
Parking lot on-site	1,566	84.3
Parking lot off-site	12	0.6
On-street	9	0.5
Garage	270	14.5
	1,857	

**13. If you drive part of the way, where is the vehicle usually parked?**

	Number of Responses	Percent of Total
State Park-and-Ride Lot	30	16.8
Train/Transit Station	22	12.3
Privately-owned lot with permission	85	47.5
Privately-owned lot without permission	10	5.6
On a public street	32	17.9
	179	

**ROUTE 128 CORRIDOR PLAN**

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**14. What are your reasons for driving alone? (select all that apply)**

	Number of Responses	Percent of Total
Enjoy my privacy, prefer to drive alone	953	10.1
Hours are irregular	1,473	15.6
Need car for business	191	2.0
Need car for errands before/after work or during work	1,203	12.8
Don't know if I have any other option	782	8.3
Need car in case of emergencies	869	9.2
Difficulty finding others with whom to carpool	728	7.7
Driving alone takes less time	1,063	11.3
Take children to school or daycare	486	5.2
I don't know how to use public transit	29	0.3
Public transit costs too much	100	1.1
Transit schedules or routes don't work for me	1,268	13.4
Poor pedestrian access to transit and/or worksites	289	3.1

9,434

**15. What concerns you most about your drive to work?**

	Number of Responses	Percent of Total
Overall travel time from home to work	1,206	21.3
Cost of commute	660	11.7
Finding a convenient parking space	140	2.5
Congestion on streets and highways	1,164	20.6
Frustration of commuting	917	16.2
Concerned about bad weather	702	12.4
Loss of productive time	659	11.7
Other (please specify)	208	3.7

5,656

**16. What improvements would you like to see in public transit that would encourage you to commute to work by public transit?**

	Number of Responses	Percent of Total
Availability of nearby transit	1,011	30.5
More frequent service	490	14.8
Earlier or later service	296	8.9
Closer pick-up location	420	12.7
Closer drop-off location	386	11.7
Does not matter, would not take transit to work	508	15.3
Other (please specify)	199	6.0

3,310

**17. Which MBTA transit service do you use to get to work?**

	Number of Responses	Percent of Total
Green Line	10	8.5
Orange Line	9	7.6
Red Line	30	25.4
Blue Line	0	0.0
Silver Line	1	0.8
Bus Route	13	11.0
Commuter Rail	18	15.3
Water Shuttle	0	0.0
Other (please specify)	37	31.4

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