



The LMA and the Urban Ring: Securing the Future

January 25, 2008

The LMA fills nearly three Fenway Parks every workday

Enough people commute to the LMA daily to fill Fenway Park nearly **THREE TIMES**:

- 73,500 people
 - Including 40,000 LMA employees, 18,200 students, 12,900 additional vendors, construction workers, contract employees, volunteers
- Plus more than 26,000 patients and visitors per day
 - 5,500,000 annually



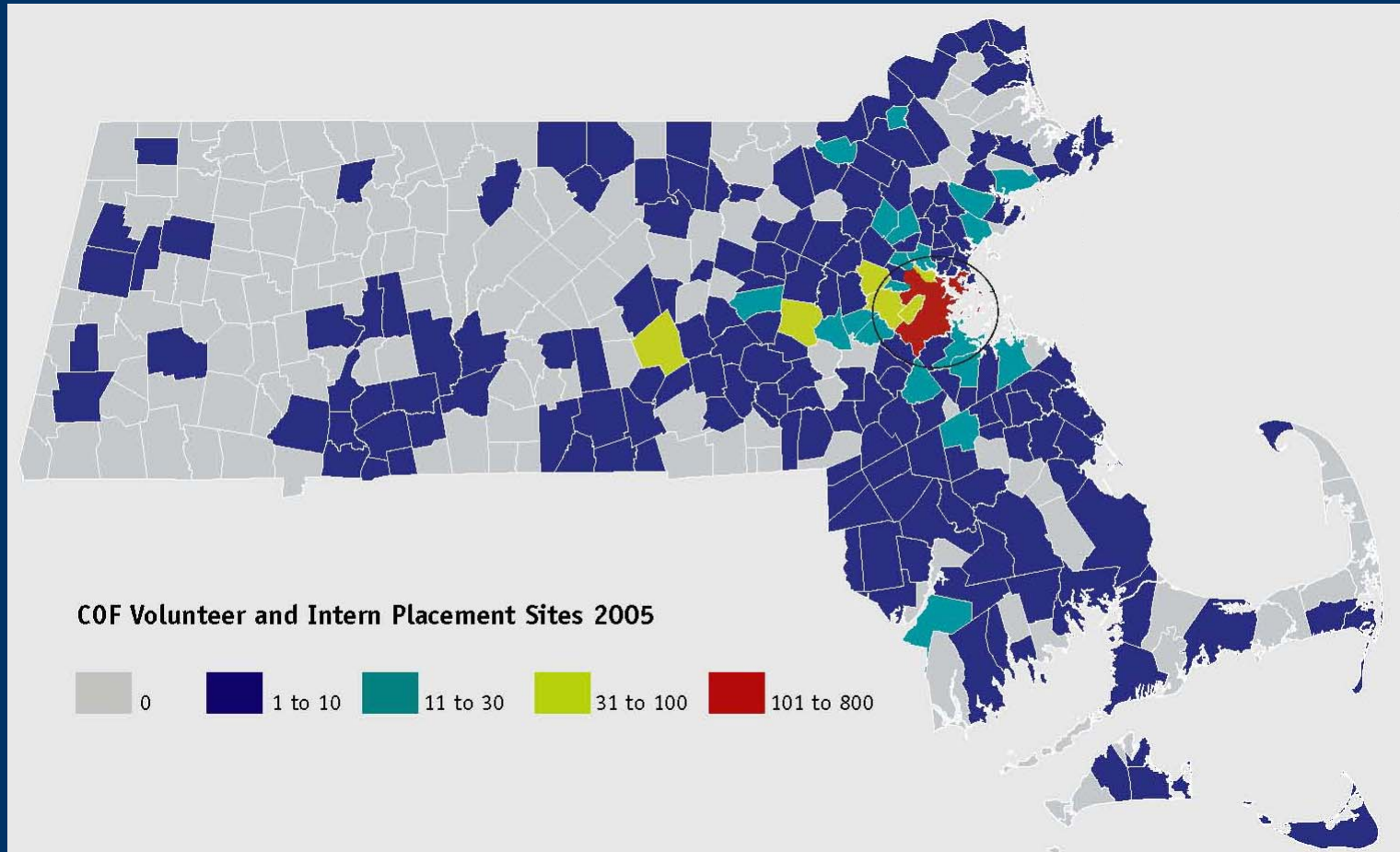
LMA's educational, cultural and health economy are central to the State's future

- Eight of the nation's top medical institutions
- One of Boston's most revered museums
- The six Colleges of the Fenway
- The largest Reform Temple in New England








LMA institutions touch the lives of people across the region and the state

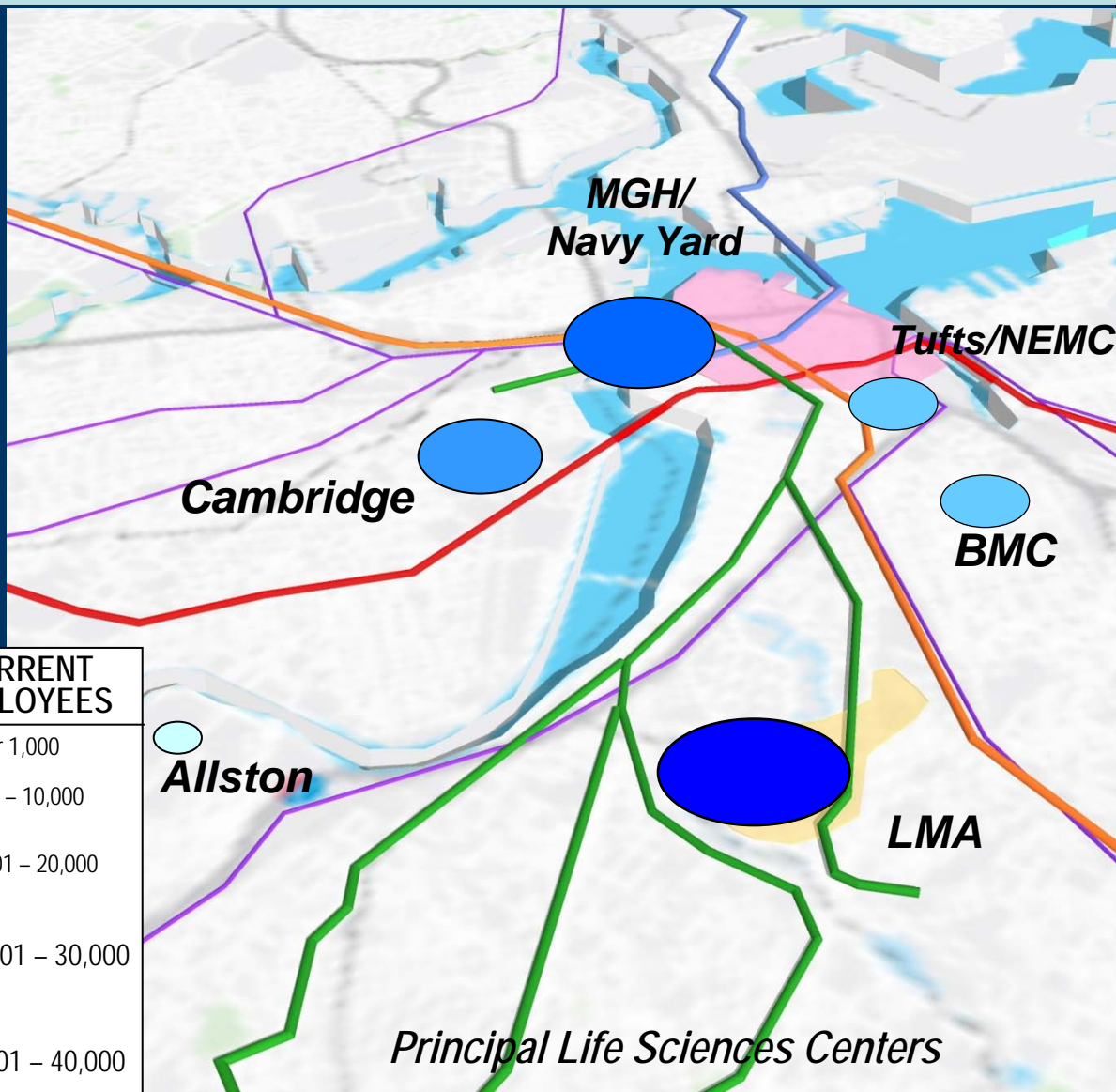
In 2005, students, faculty and staff of Colleges of the Fenway dedicated more than 760,000 hours of their time—95,000 work days—at 2,125 sites across the state



The current largest employer in Boston's Life Sciences economy

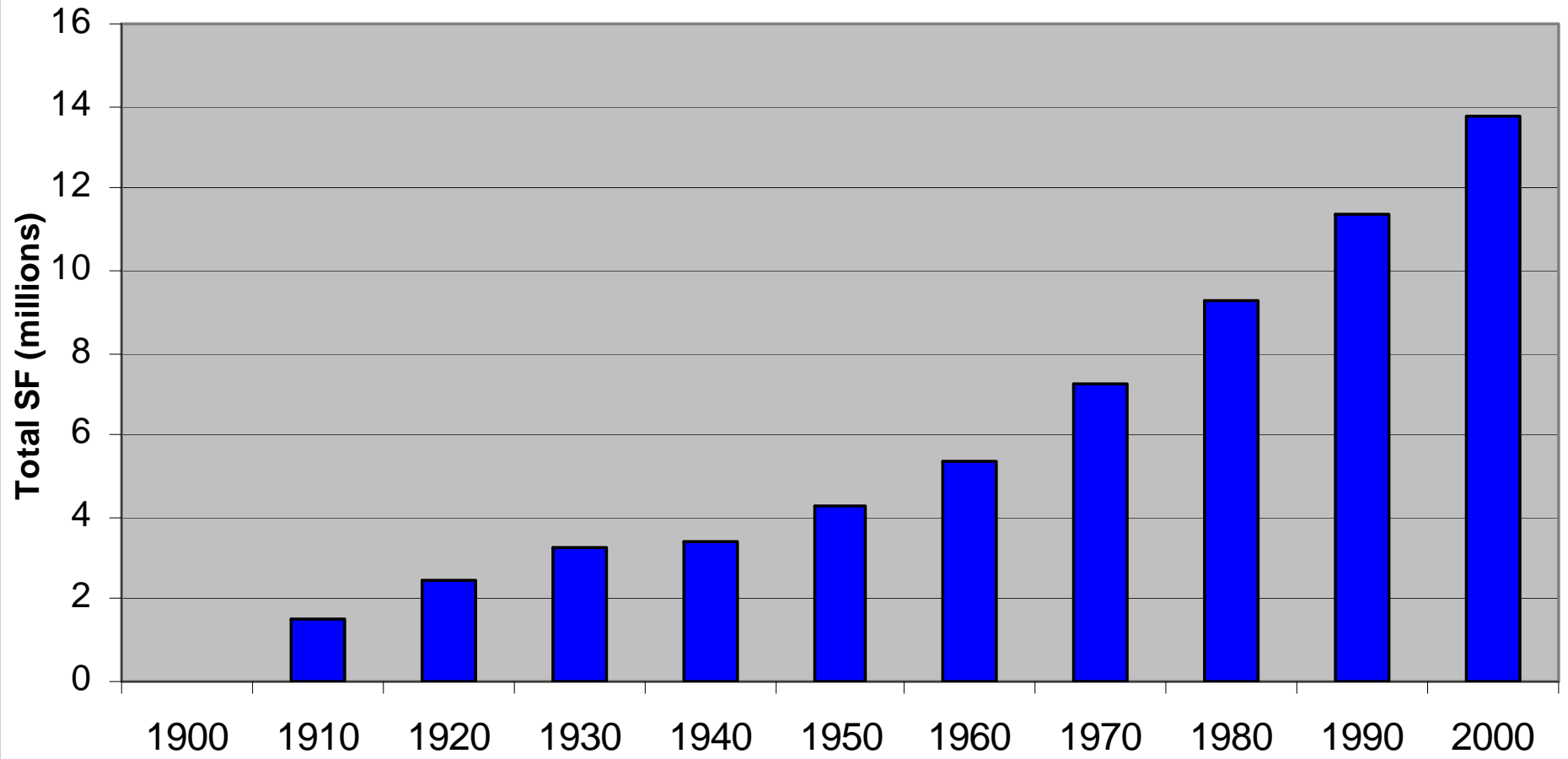
- Major teaching hospitals, research facilities, and academic institutions
- Significant NIH funding
 - \$927 million in FY2005
- Boston's second-largest job center
- \$1.7 billion in payroll
- \$90.7 million in state income tax

SYMBOL	CURRENT EMPLOYEES
	Under 1,000
	1,000 – 10,000
	10,001 – 20,000
	20,001 – 30,000
	30,001 – 40,000



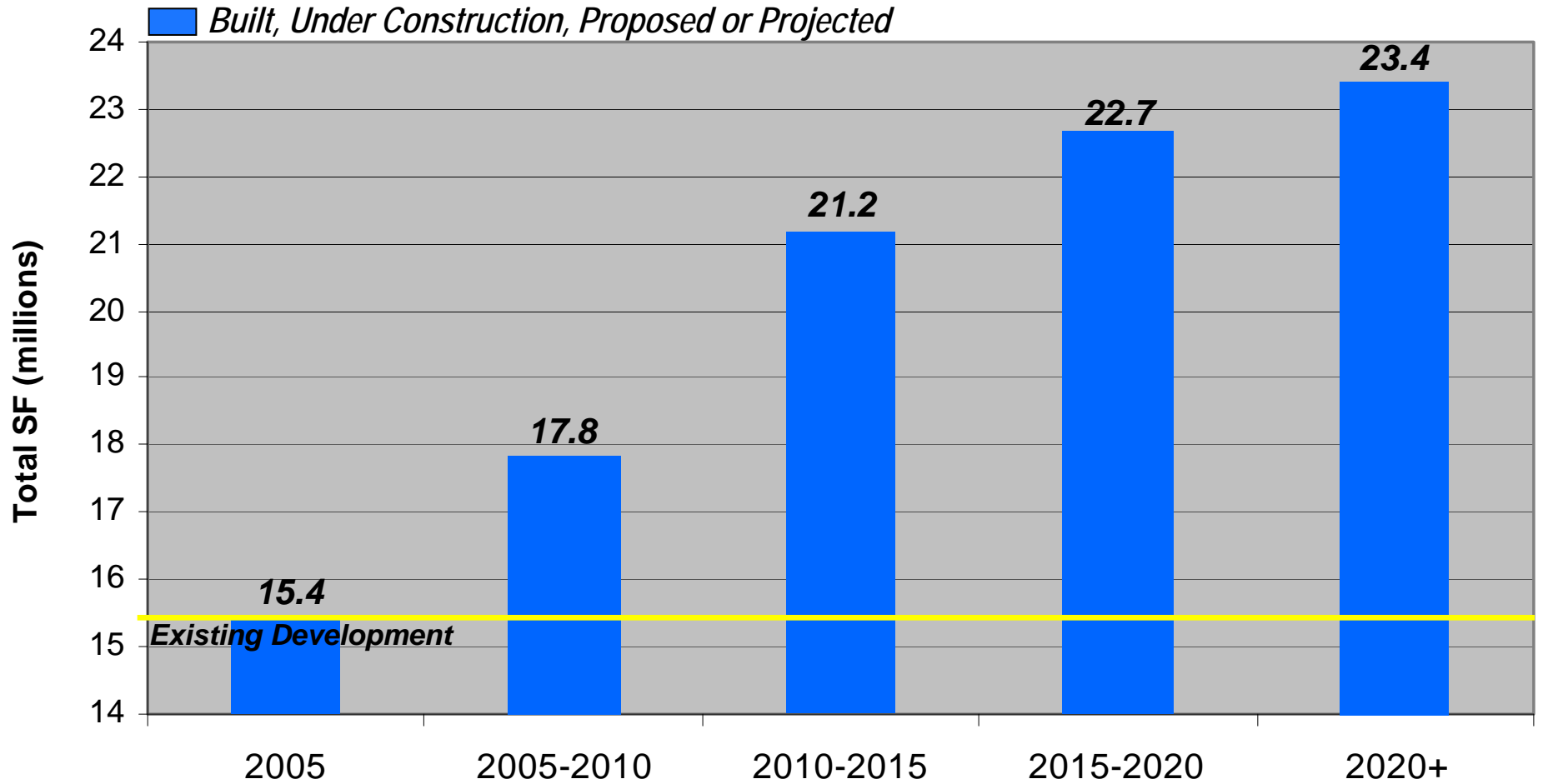
The LMA has grown consistently over the decades

LMA development (sf) 1900 to 2000



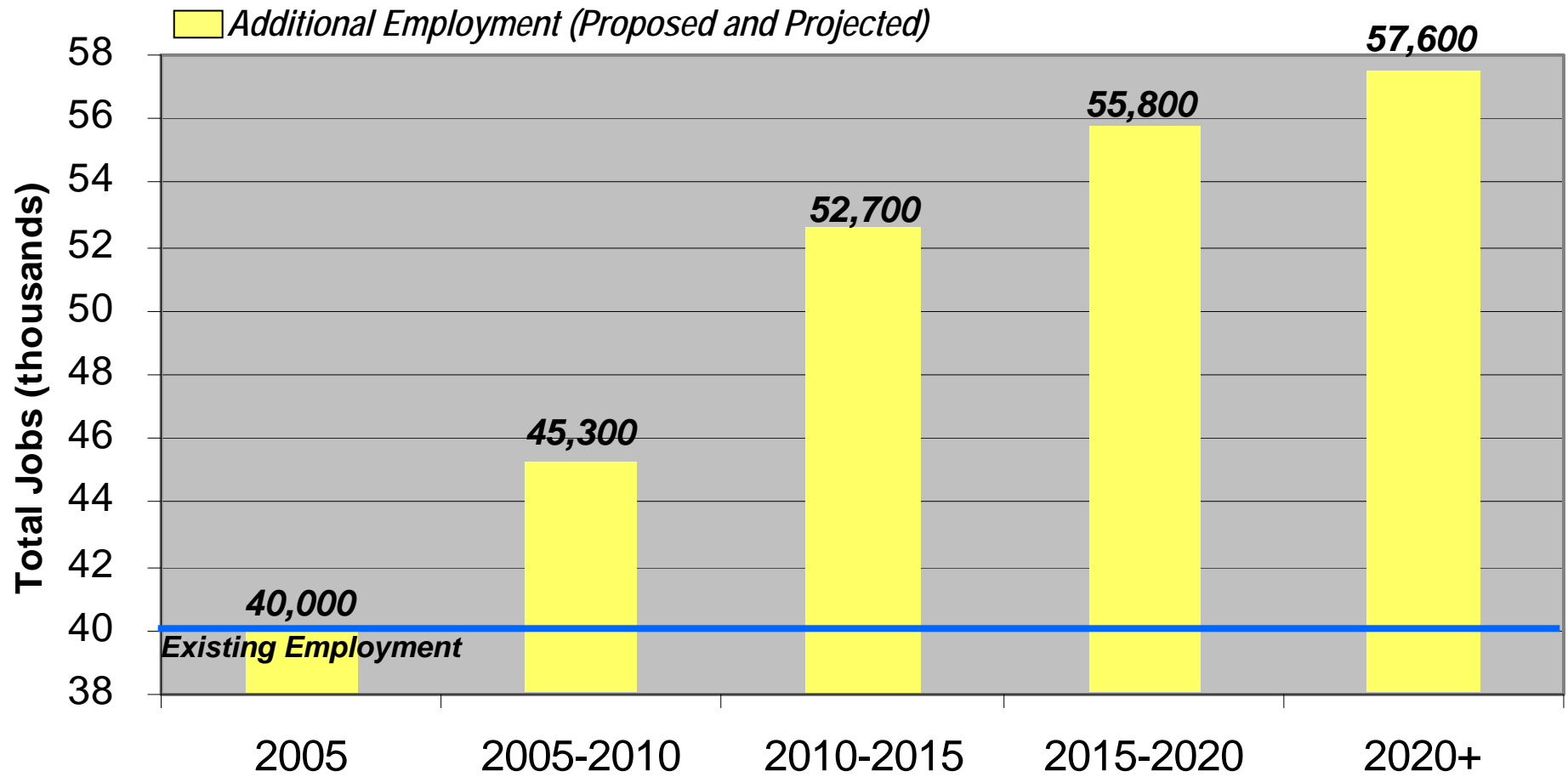
The LMA continues to grow

LMA development (sf) projected through 2020+



The LMA is adding new jobs

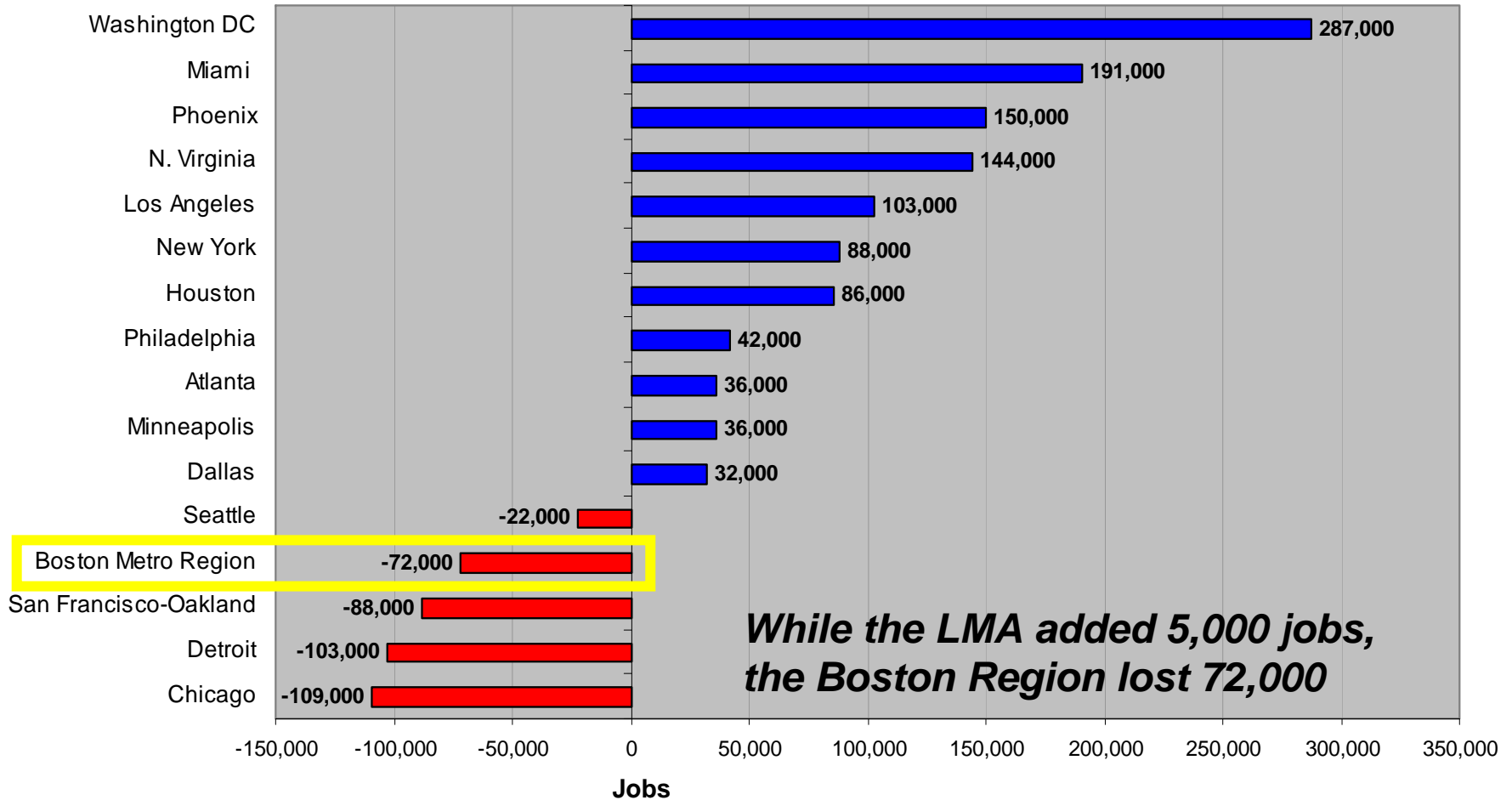
LMA employment growth projected through 2020+



LMA jobs are more important than ever

Metropolitan region job change 2000 to 2005

Metropolitan Regions



Source: Center for Regional Studies, George Mason University

The LMA is a potent source of job creation

- Massachusetts ranked 49th in job creation 2001-2006
 - But life sciences employment increased
 - Healthcare added 37,000 jobs
 - Biotech employment grew at twice national rate in MA (1990 – 2005)

Source: MassINC

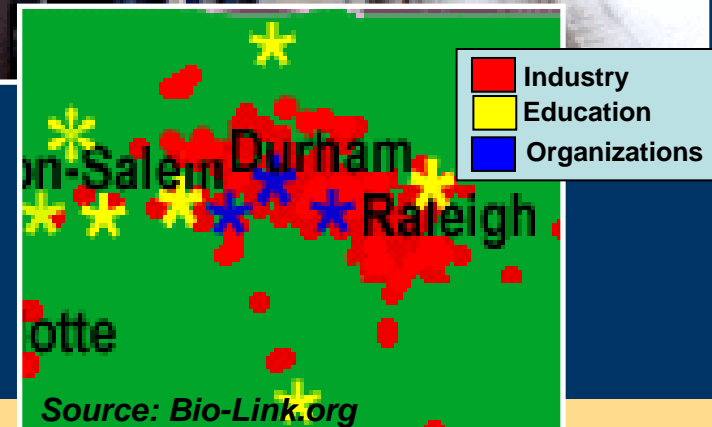
The future relies on attracting workers to the LMA

There's tremendous need for more workers:

- More than 2,000 openings at any given time
- Plus 1,000 new jobs per year

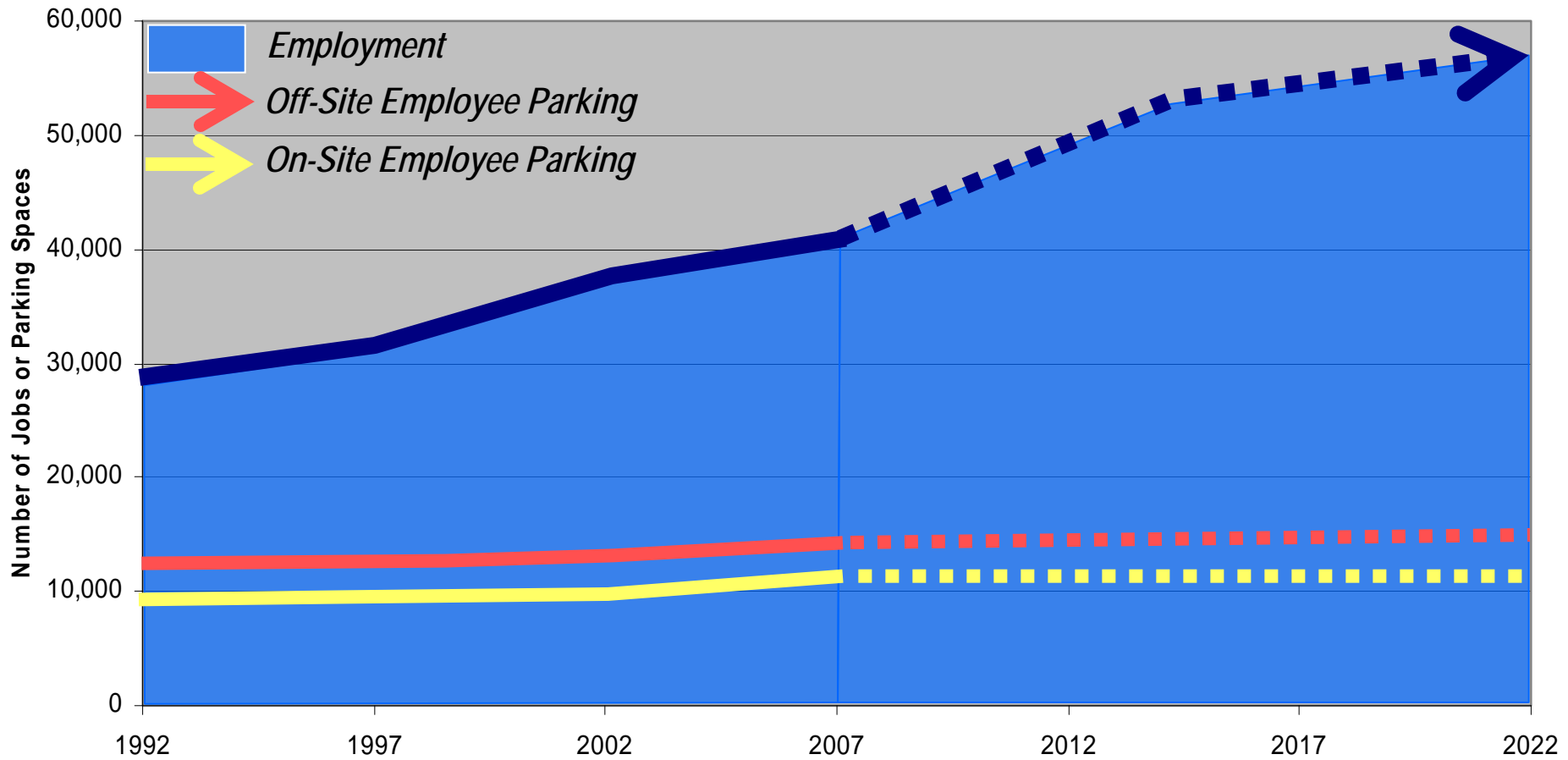
But auto, bus and rail congestion are blocking the ability to fill these jobs

...and by being difficult to get here, we're undermining the Commonwealth's Life Sciences initiative, and giving away our competitive edge to other centers

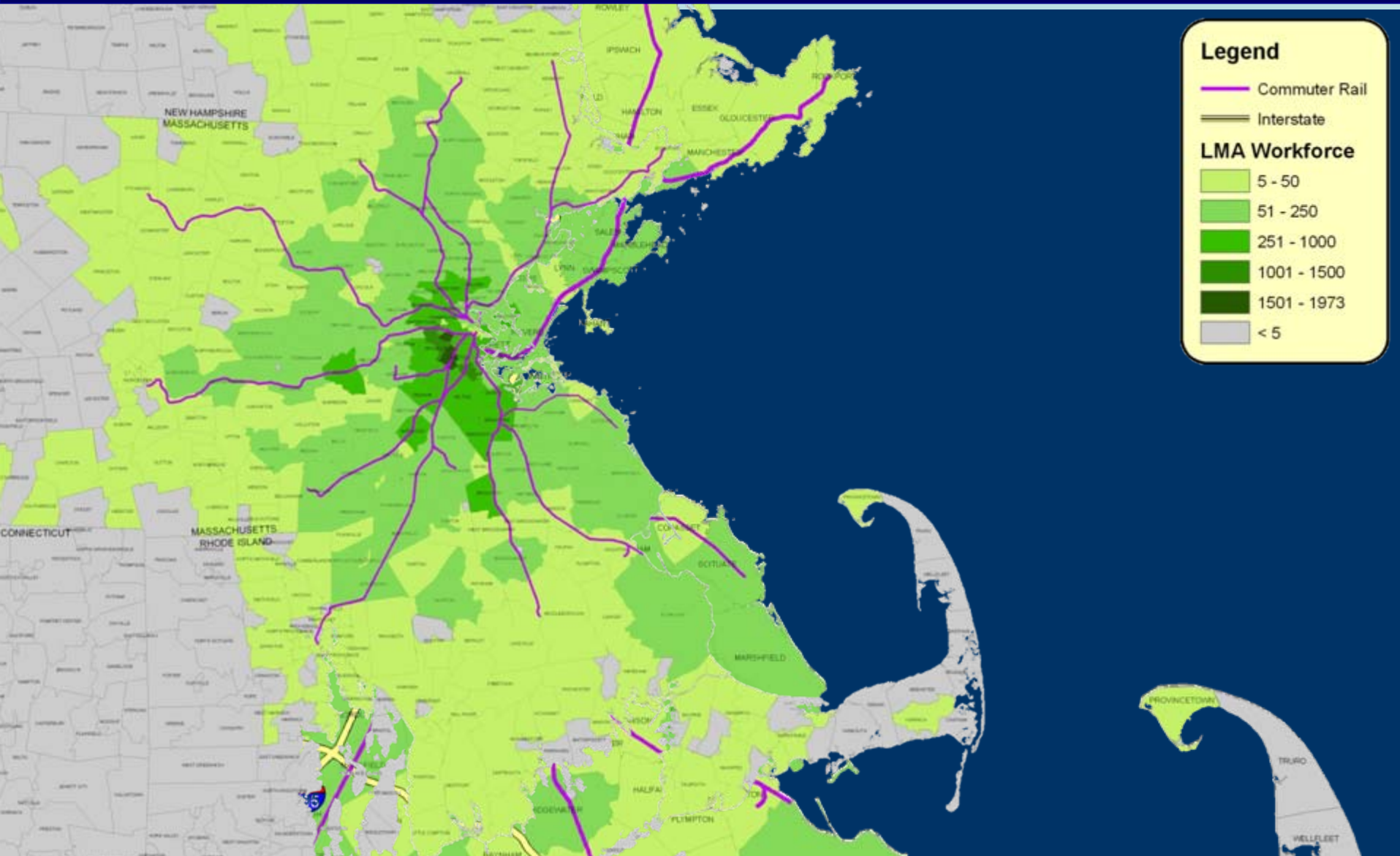


Less parking will be available for workers

Employee growth exceeds parking growth 1992-2022

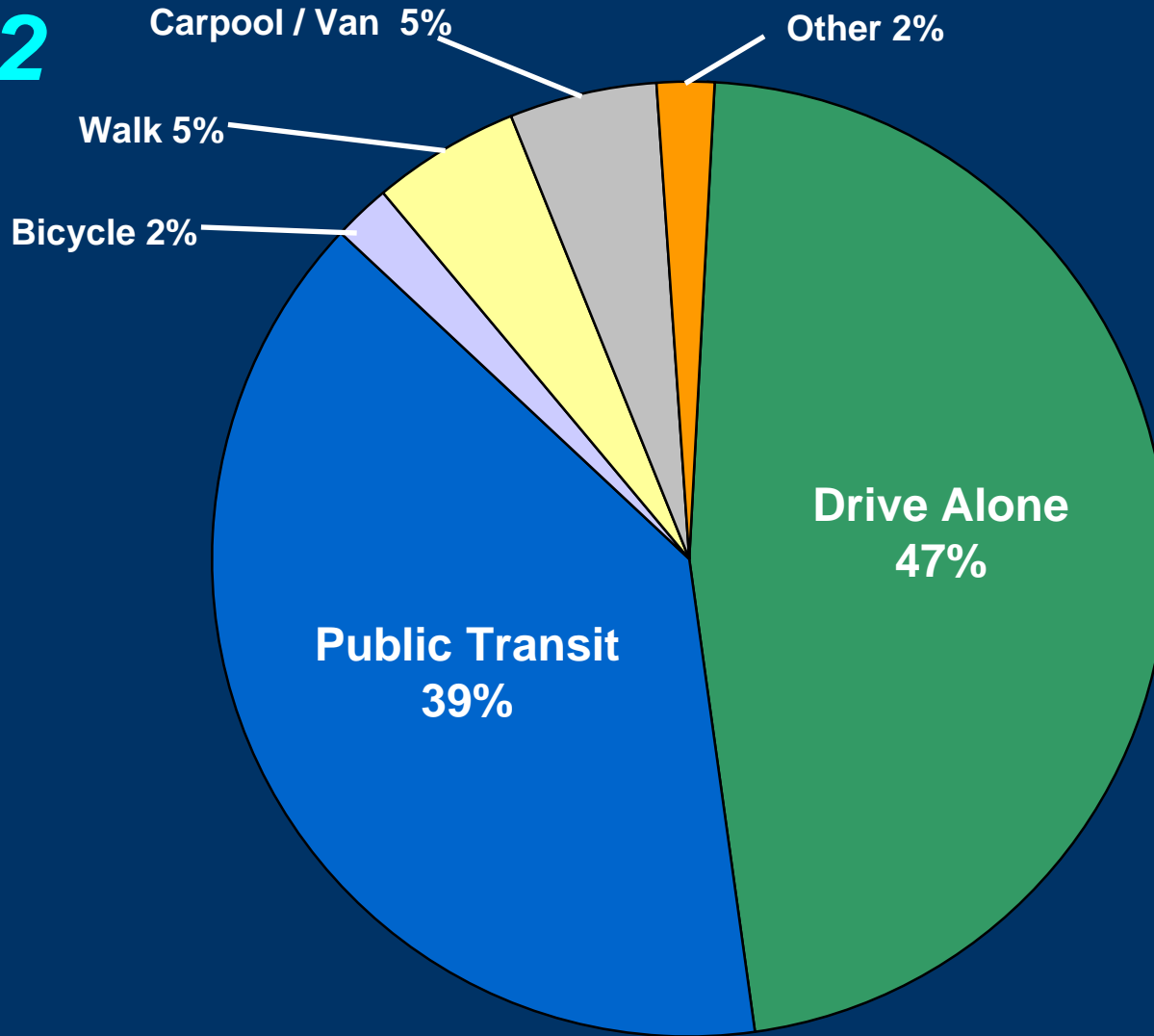


LMA employees live in proximity to transit



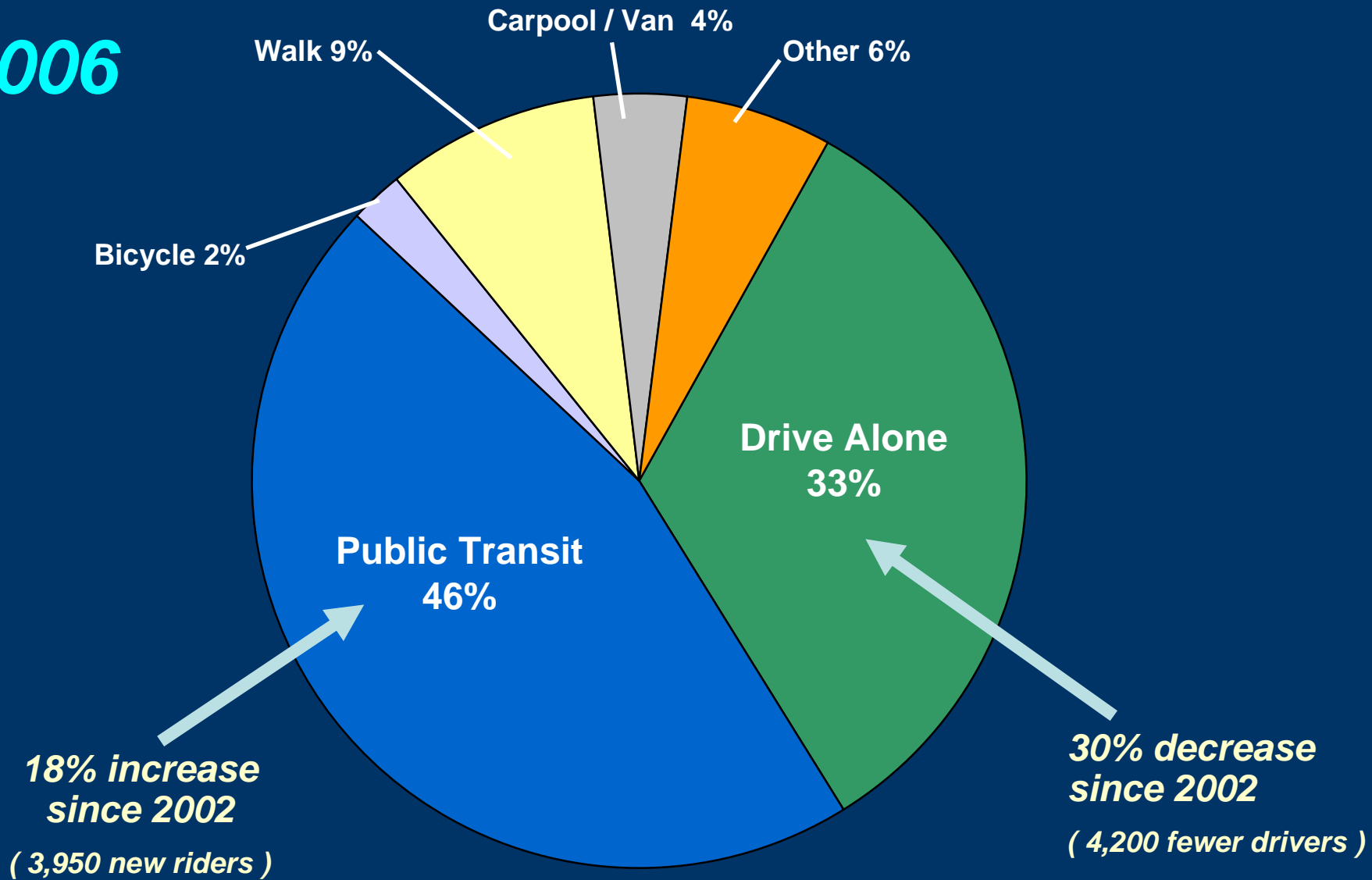
More and more LMA workers choose transit over driving

2002



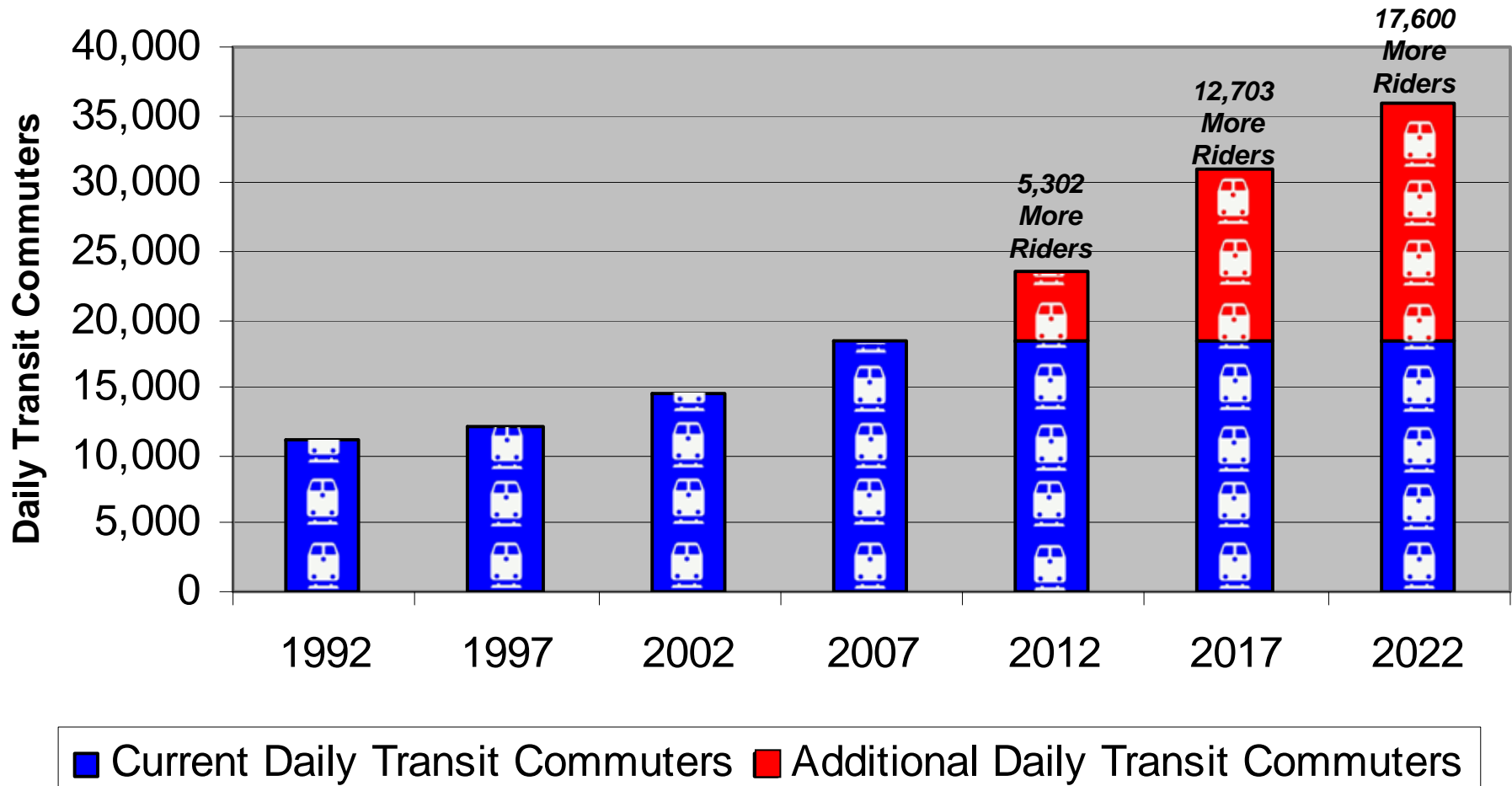
More and more LMA workers choose transit over driving

2006



Increased transit capacity is needed to support economic growth

Estimated LMA transit demand with nominal new employee parking



A reliable Urban Ring is the solution



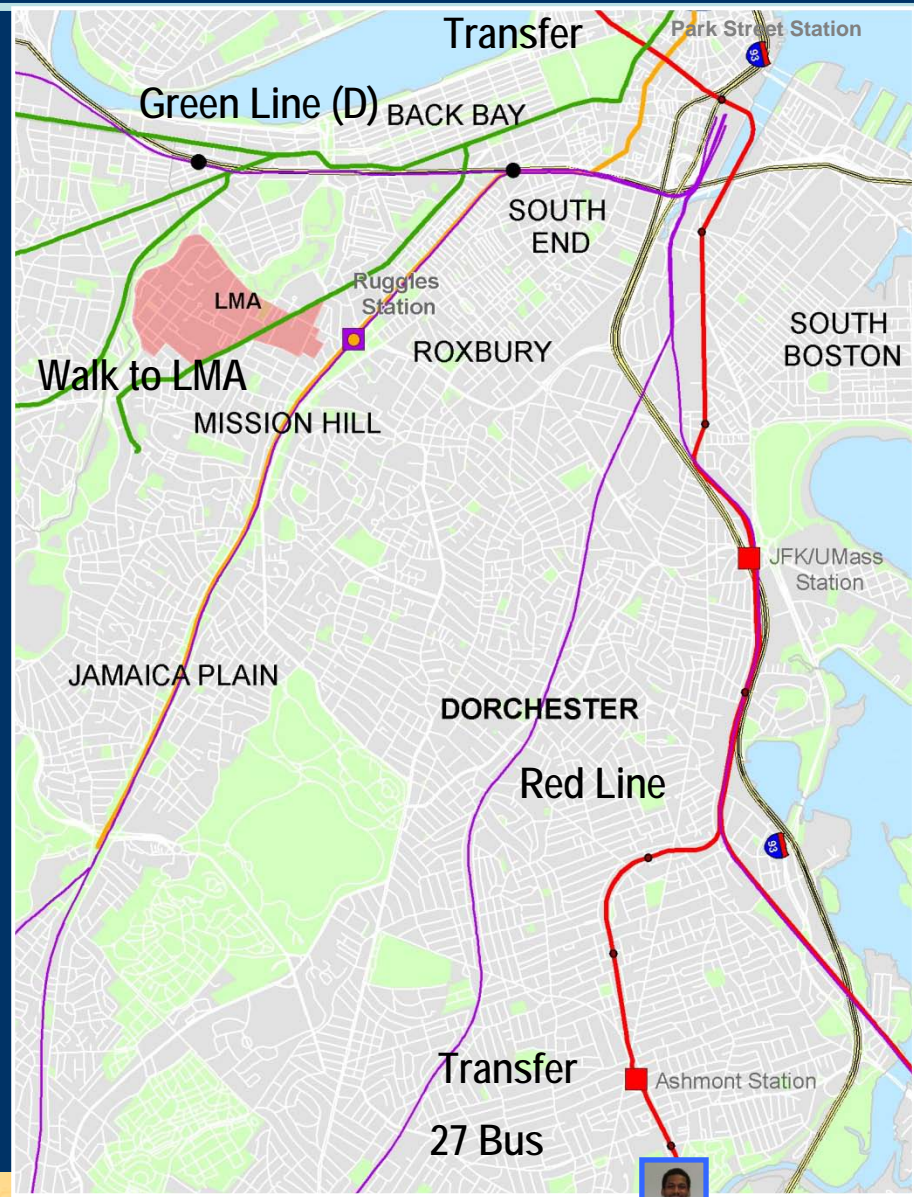
Existing LMA worker commutes are difficult and long

Dorchester to LMA: Existing



- 27 bus to Ashmont Station
- Red Line to Park Street
- Green Line (D) to Longwood
- Walk to Children's Hospital

Existing: 78 MINUTES



The Urban Ring will make commutes faster and easier

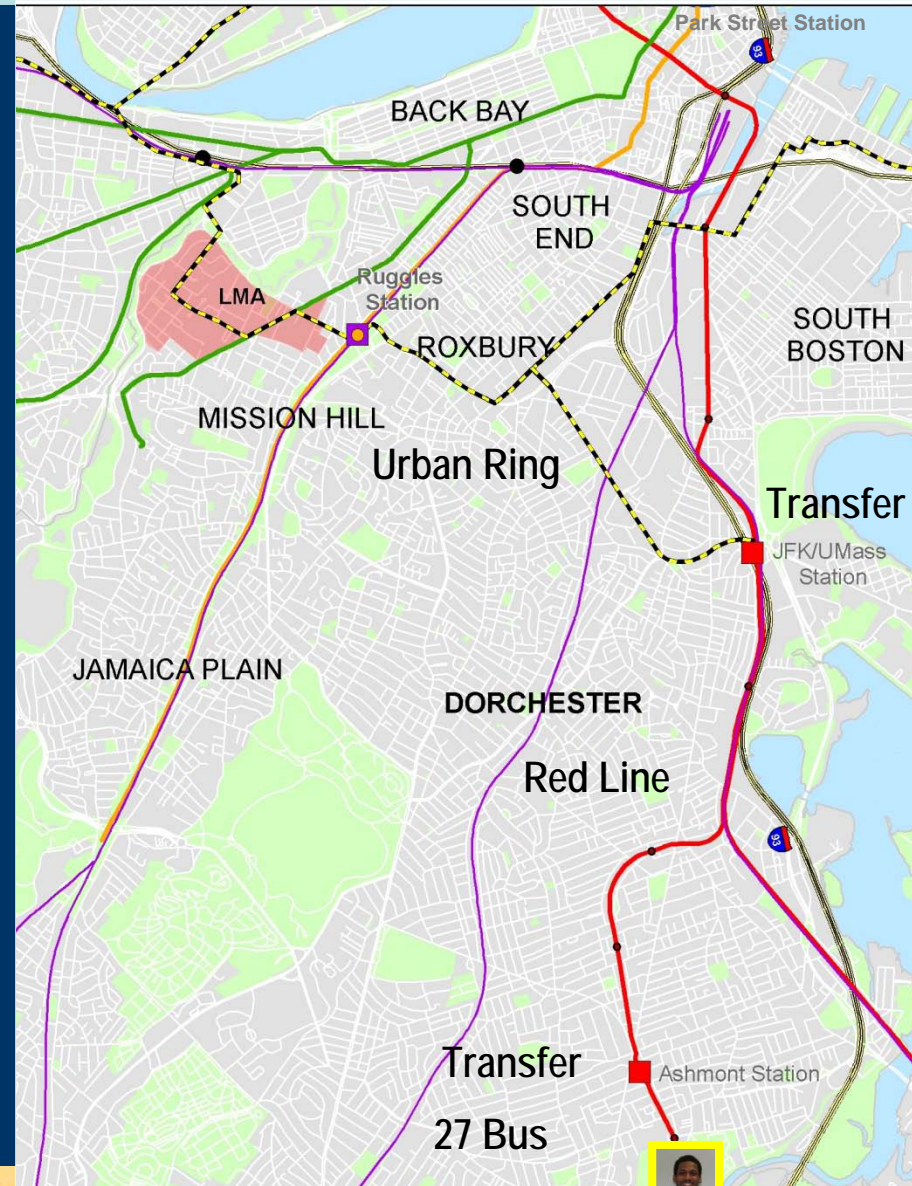
Dorchester to LMA: Urban Ring



- 27 bus to Ashmont Station
- Red Line to JFK
- Urban Ring to LMA
- Drop off in center of LMA

Existing: 78 MINUTES

Urban Ring: 55 MINUTES



Dorchester is one of many Environmental Justice communities

Federal mandate to address **negative** impacts of infrastructure projects on minority and low-income populations

Target populations in MA: EJ Areas 

- Median household income less than 80% of area median, or...
- Minority population greater than 21.4%

LMA wants to ensure the Urban Ring provides **positive** impacts on EJ communities

- Greater access to jobs, healthcare and education



The Urban Ring will improve LMA access for everybody

- Direct connections to LMA from Environmental Justice neighborhoods
 - Roxbury, Dorchester, Mattapan, East Boston, Chelsea, Cambridge, Somerville...
- New and better connections to MBTA subway and commuter rail lines
 - More direct connections—no more backtracking “in” and then “out”



Our employees want a service people can use

COMMUTE CRITERIA:

- Reliable
- One hour or less door to door
- No more than one transfer
- Transfer must be direct at a single station
- No backtracking
- 10-minute walking distance to/ from transit



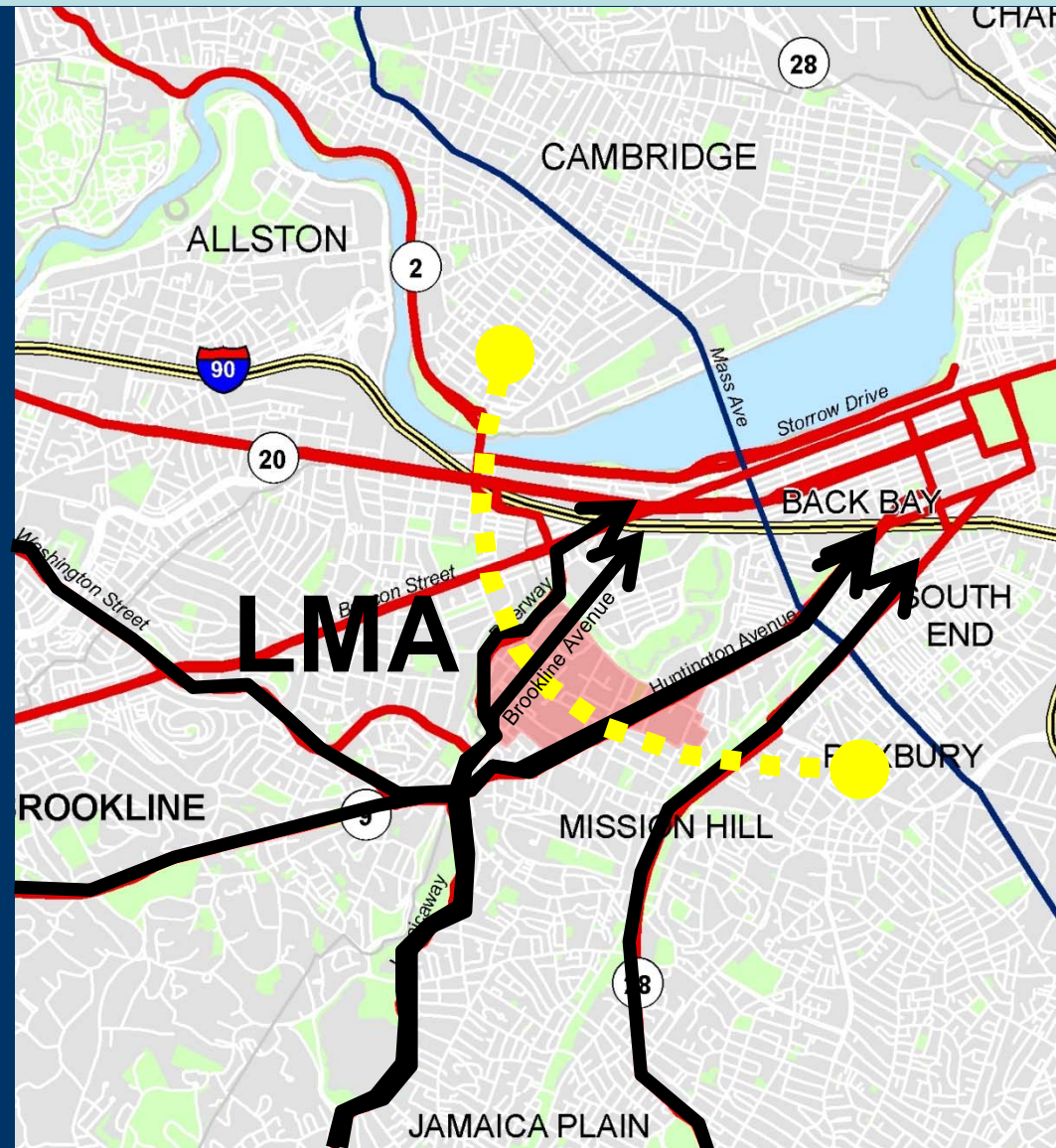
Surface proposal for the Urban Ring through the LMA

- Buses travel on streets with mixed traffic
- Direct routes/better access
- Faster than many existing routes
- But times will be unreliable – variable traffic, accidents, weather, game nights, etc.
- Up to 46 peak hour Urban Ring buses currently proposed will add to congestion



Regional traffic issues shape traffic in the LMA

- The LMA is at the center of several regional routes
- 60% of regional auto trips on nearby roadways are **not** going to the LMA
- Congested routes (Routes 9, 28, Riverway) and local streets (Brookline Ave) create bus service disruptions and delays
- Limited cross town connections further increase congestion



A solution for the Urban Ring through the LMA

URBAN RING TUNNEL

- Buses travel through bus-only tunnel
- Faster boarding with fare collection in station
- Provides service reliability throughout the Urban Ring
- Avoids congested LMA streets
- Weather protected
- Increases potential capacity



*Left: Silver Line:
South Station*

*Right: Silver Line:
South Station*



*Left: Silver Line:
Courthouse Station*



The Urban Ring tunnel is at least twice as fast

Urban Ring Tunnel



**8 Minutes:
1.5 miles**

FINISH: 1.5 miles

Urban Ring Surface
(Optimal Travel)



**16 Minutes:
1.5 miles**

Urban Ring Surface
(Weather/Accident/Latin School buses/Nurse shift change/Red Sox Game)



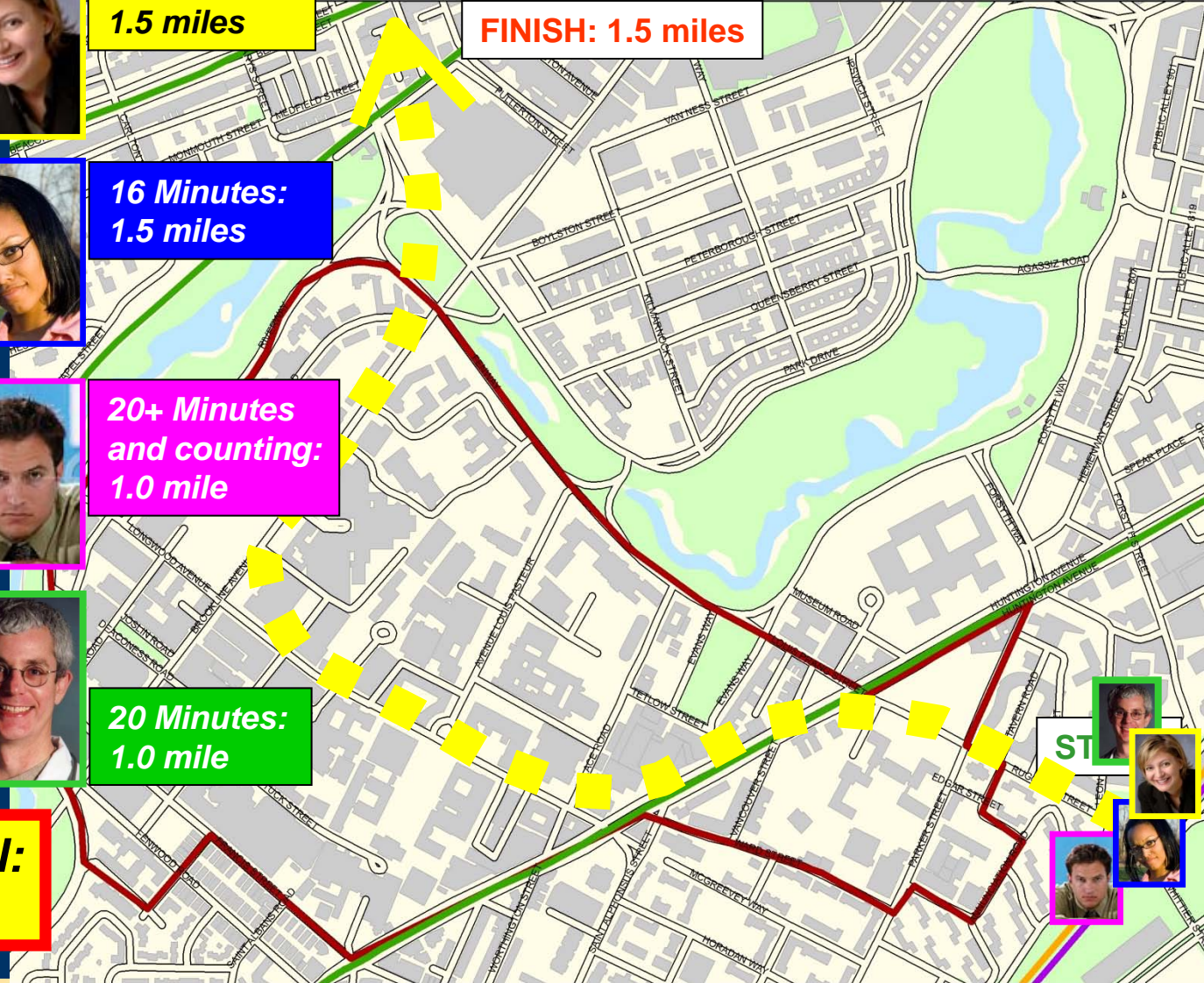
**20+ Minutes
and counting:
1.0 mile**

Walking

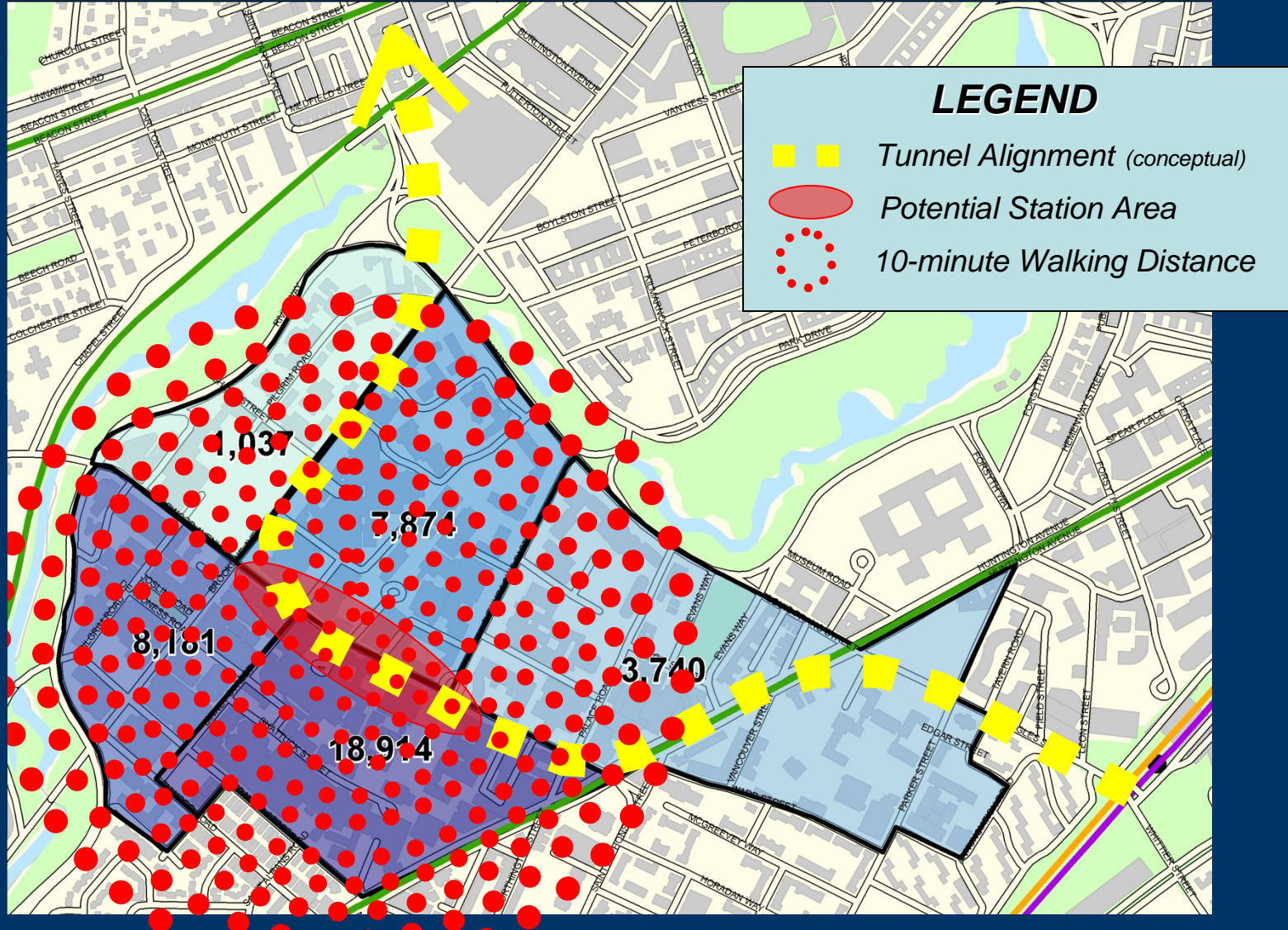


**20 Minutes:
1.0 mile**

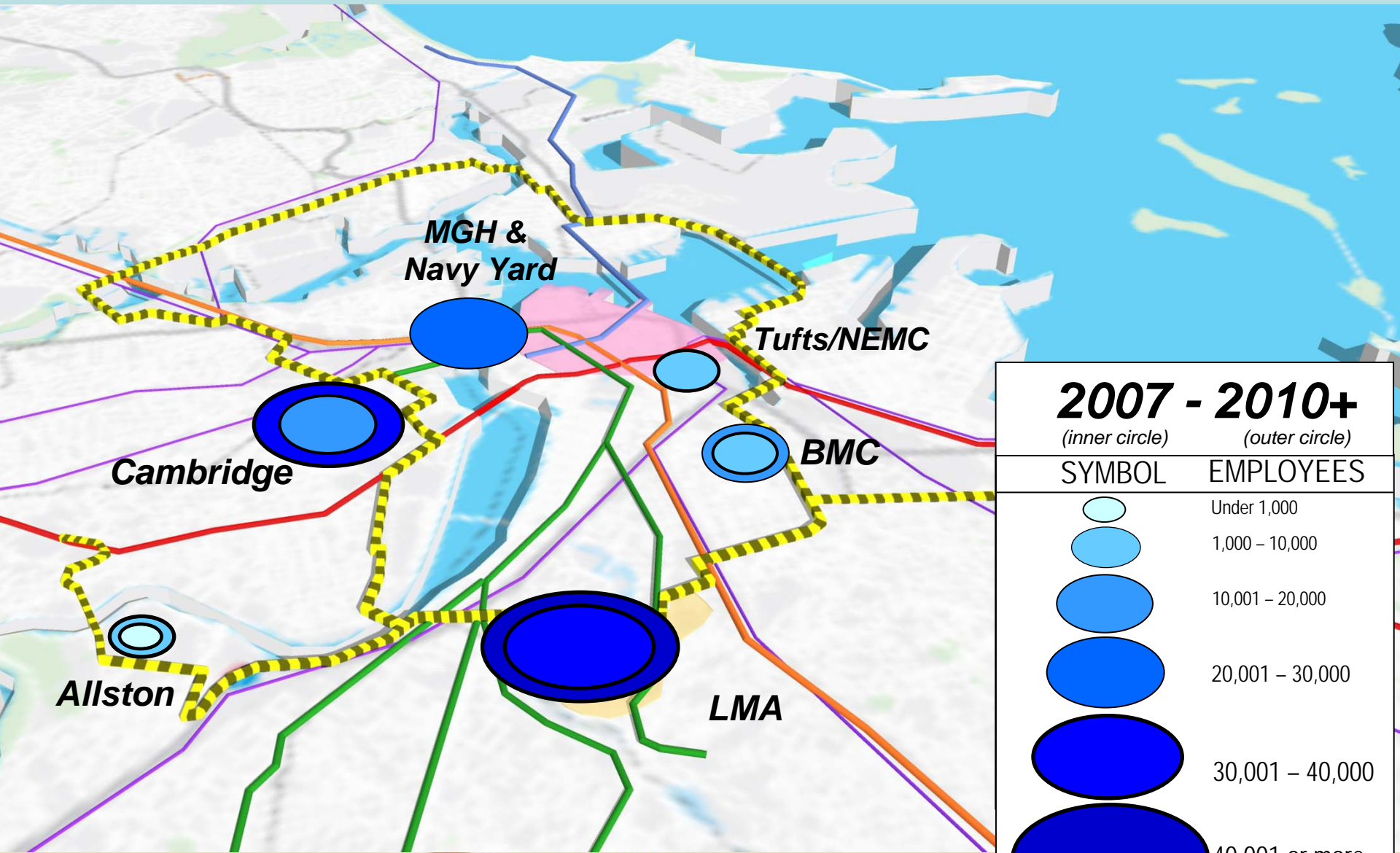
**Urban Ring Tunnel:
8 Minutes**



Bring the station to the people



The Urban Ring secures everyone's future



2007 - 2010+	
(inner circle)	(outer circle)
SYMBOL	EMPLOYEES
	Under 1,000
	1,000 - 10,000
	10,001 - 20,000
	20,001 - 30,000
	30,001 - 40,000
	40,001 or more

The Urban Ring tunnel is a priority for the LMA

- Keep the tunnel option in the DEIR / DEIS
- Build consensus for station location
- Consider creative financing and partnerships

