Massachusetts Freight Plan









Population in Massachusetts Regions



Employment in Massachusetts Regions





Population in Massachusetts and Neighbor States

Employment in Massachusetts and Neighbor States

Background



Massachusetts Freight Plan



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What did we find out about FISHING?



- What is caught here is not necessarily processed here
- And what is processed here may have been flown in
- 75% of fish produced in Boston is exported
- Fish is valuable enough to drive direct international flights

What did we find out about FUEL & CONSUMER GOODS?



- Fuel arrives to ports vulnerable to flooding and climate change • Gasoline trucks are impeded by urban traffic, HAZMAT bans • An urban population is driving stores to be smaller, specialized

- In every way, deliveries are growing smaller and more frequent

	In US, MA is
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	7 th
	7 th
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	10 th
	10 th

What did we find out about INSTITUTIONS?

What did we find out about **BIOPHARMA**?



How do Mass. Metro Areas Rank Nationwide?



ndustries

• They consume many things and produce mainly waste • They are located in difficult locations for trucks, and cannot move • They share suppliers for many important goods (food, milk, etc) • They depend on integrated carriers (UPS, FedEx) more all the time

• 100 firms in Cambridge, 50 on Route 128 • They manufacture very little product in MA - mostly research • They take in many things - chemicals, proteins, and equipment • What they do ship is valuable and time-sensitive



Massachusetts Freight Plan



By W	eight	By Value	
Commodity	Tonnage (millions)	Commodity	Value (billions)
Gasoline	46.5	Gasoline	\$46.9
Gravel	26.3	Mixed Freight	\$46.1
Waste/Scrap	17.2	Electronics	\$24.2
Nonmetal Mineral Products	16.3	Misc. Manufactur. Products	\$16.9
Mixed Freight	14.5	Motorized Vehicles	\$16.2



By V	Veight	By Value	
Commodity	Tonnage (millions)	Commodity	Value (billions)
Animal Feed	0.21	Electronics	\$9.4
Basic Chemicals	0.08	Precision Instruments	\$6.9
Precision Instruments	0.05	Misc. Manufactur. Products	\$5.3
Meat/Seafood	0.05	Machinery	\$4.2
Electronics	0.04	Pharmaceuticals	\$1.8

How Freight Moves



		Rail		
By Weight		By Value		
lity	Tonnage (millions)	Commodity	Value (billions)	
uffs	0.90	Motorized Vehicles	\$1.50	
per	0.69	Plastics/Rubber	\$0.74	
5	0.67	Chemical Products	\$0.71	
cts	0.64	Newsprint/Paper	\$0.51	
	0.55	Other Foodstuffs	\$0.45	

	Sea			
By Weight		By Value		
lity	Tonnage (millions)	Commodity	Value (billions)	
	2.53	Gasoline	\$2.00	
	1.11	Mixed Freight	\$1.11	
	0.61	Fuel Oils	\$0.89	
neral	0.52	Plastics/Rubber	\$0.54	
ber	0.09	Electronics	\$0.47	





What POLICIES AND REGULATIONS support an efficient freight system?





How can MassDOT COLLABORATE with system users to collect feedback?





How can MassDOT INVEST to relieve bottlenecks and maximize utility?





How is the freight world CHANGING? What do we need to prepare for?

