



**Massachusetts Bay
Transportation Authority**

Bus Network Redesign Demonstration Projects

Fiscal and Management Control Board

October 21, 2019

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Bus Network Redesign Demonstration Projects

The FMCB asked the project team to identify Demonstration Projects by end of 2019.

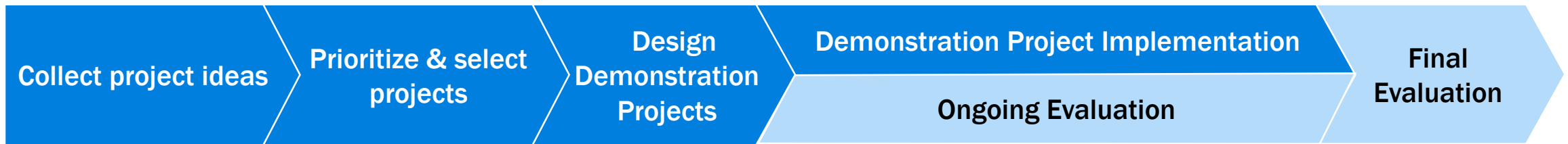
Demonstration Projects will help test:

- **Network-level metrics:** What does competitive service look like?
- **Service design principles:** What are the building blocks of the network redesign?
- **Implementation logistics:** How do we market and implement new services?
- **Scalability:** Based on the projects, how will we scale these up to the network level?



Demonstration Project Timeline

2019				2020				2021	
JUL - SEP	OCT	NOV	DEC	//	JUL	//	//	//	JUL



FMCB approves
Demonstration Projects

Projects will inform the
Bus Network Redesign

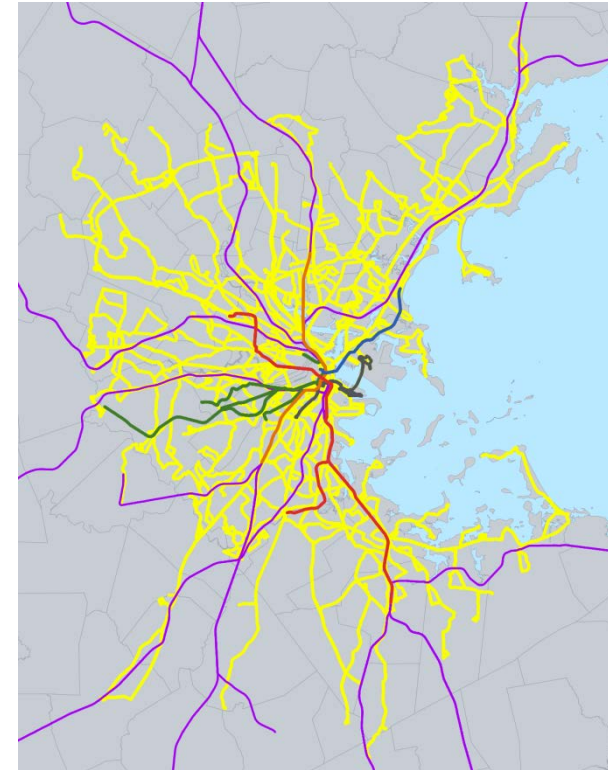
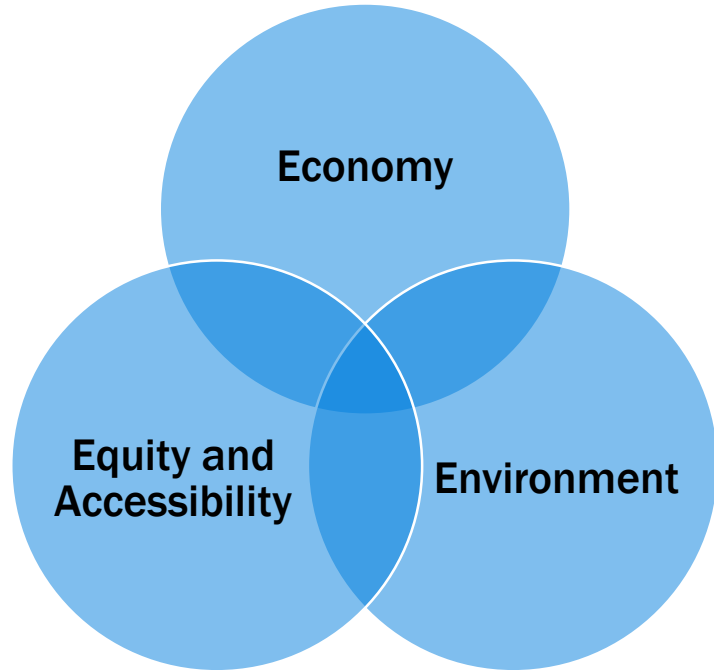


Envisioning the Network We Want



Translating Goals and Metrics into Lines on a Map

Goals for Bus Network Redesign



Demonstrating the Network We Want

- Test design strategies that cover a range of concepts
 - **New service** to a high-demand destination
 - **Better service** for Environmental Justice communities
 - Explore the **relationship of bus to rail**
 - **Simplify** an *existing* route
 - **All-day frequency** on an *existing* route
- *Transit priority improvements will be considered for all strategies*

Test:

Network-level metrics
Service design principles
Implementation logistics
Scalability



Sources of Demonstration Project Ideas

Demonstration Project Ideas

**Online
Submissions**

(open Jul 23 - Oct 4)

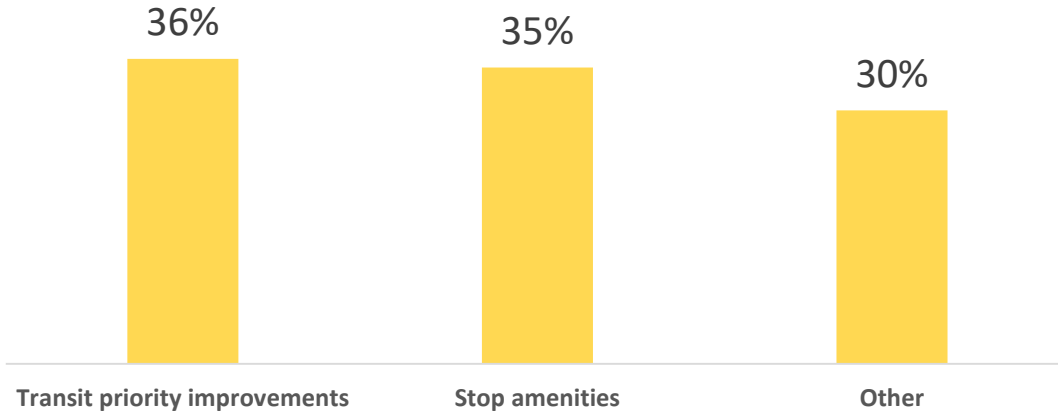
**Rider
Feedback
from Better
Bus Project**

**Travel
Demand**



What We Heard from the Public

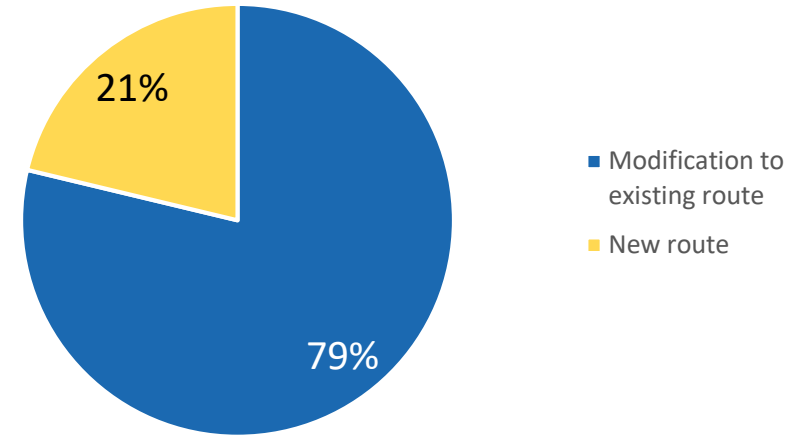
Elements of New Route Proposals



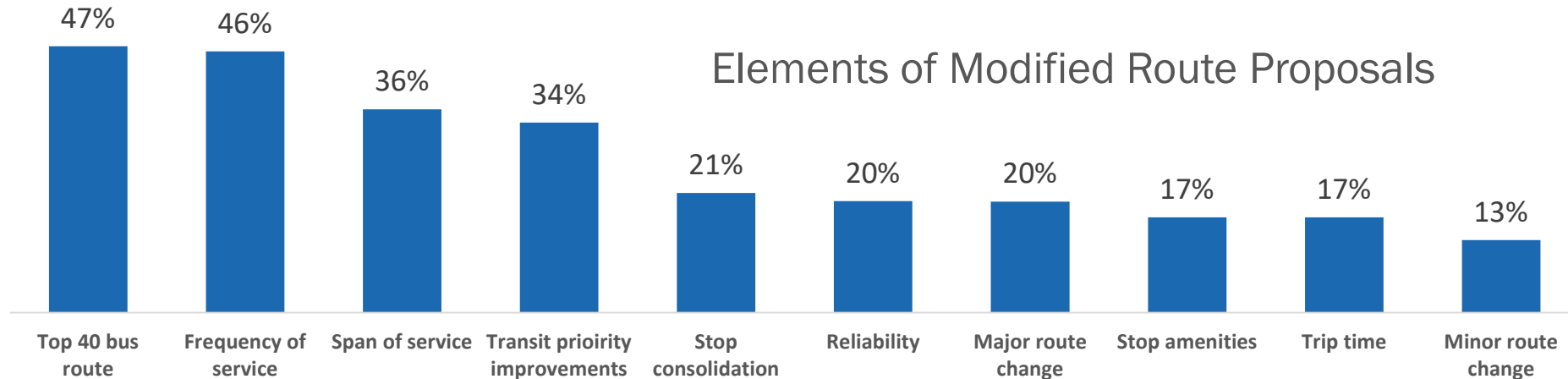
Note: Multiple elements could be selected.

Other elements include reducing transfers, alleviating pressure on rapid transit, and cross-town connections

Total Proposals (950+)



Elements of Modified Route Proposals

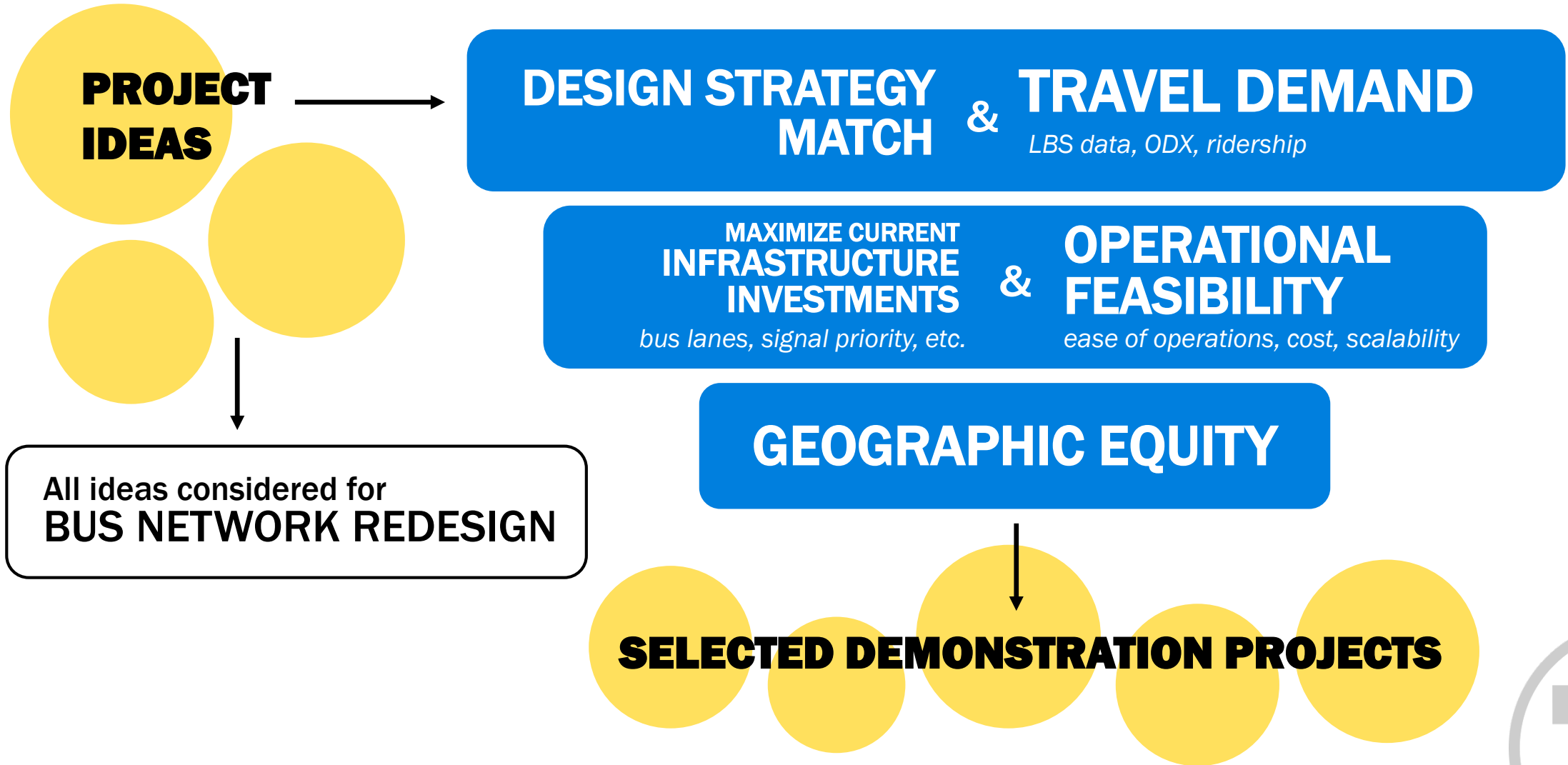


Note: Multiple elements could be selected.

Other elements not included in this chart were comfort; transfers; network simplicity; communications; ADA improvements; and first/last mile connections



Demonstration Project Selection Criteria



Next Steps

- **Prioritize Demonstration Projects** based on selection criteria
- **Continue to coordinate with Pilot Policy**
- **Assess budget:** FY21 Cost TBD
- **Recommend Demonstration Projects** based on selection criteria to FMCB in December
- **Design Demonstration Project** implementation plan
 - Marketing and communications
 - Resources (buses, operators, etc.)
 - Service operations

