

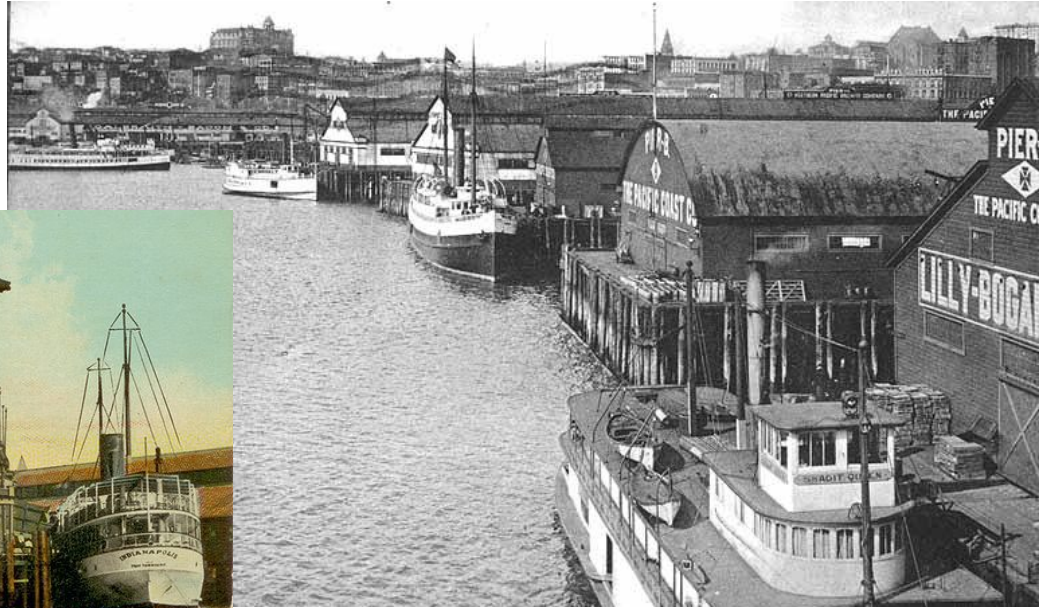
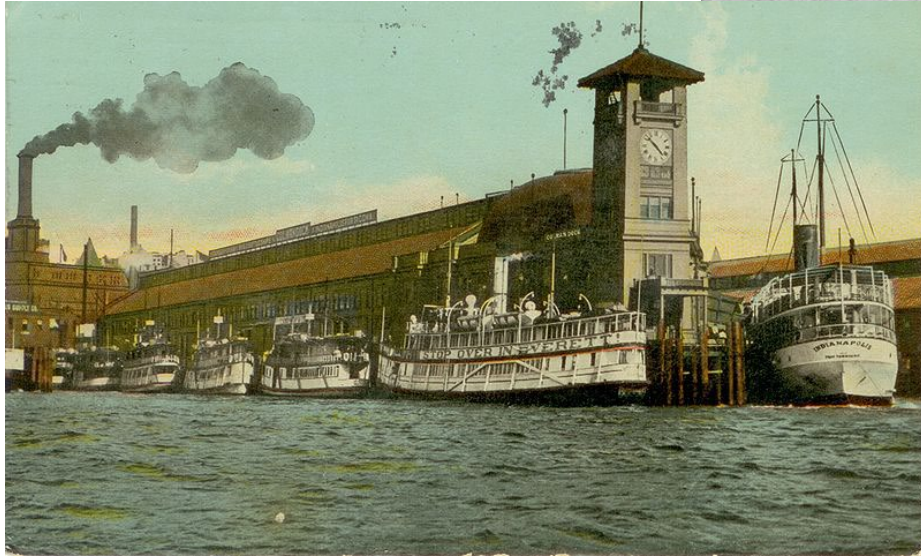
Improving mobility for disadvantaged communities through innovative transit approaches

A comparative cost evaluation

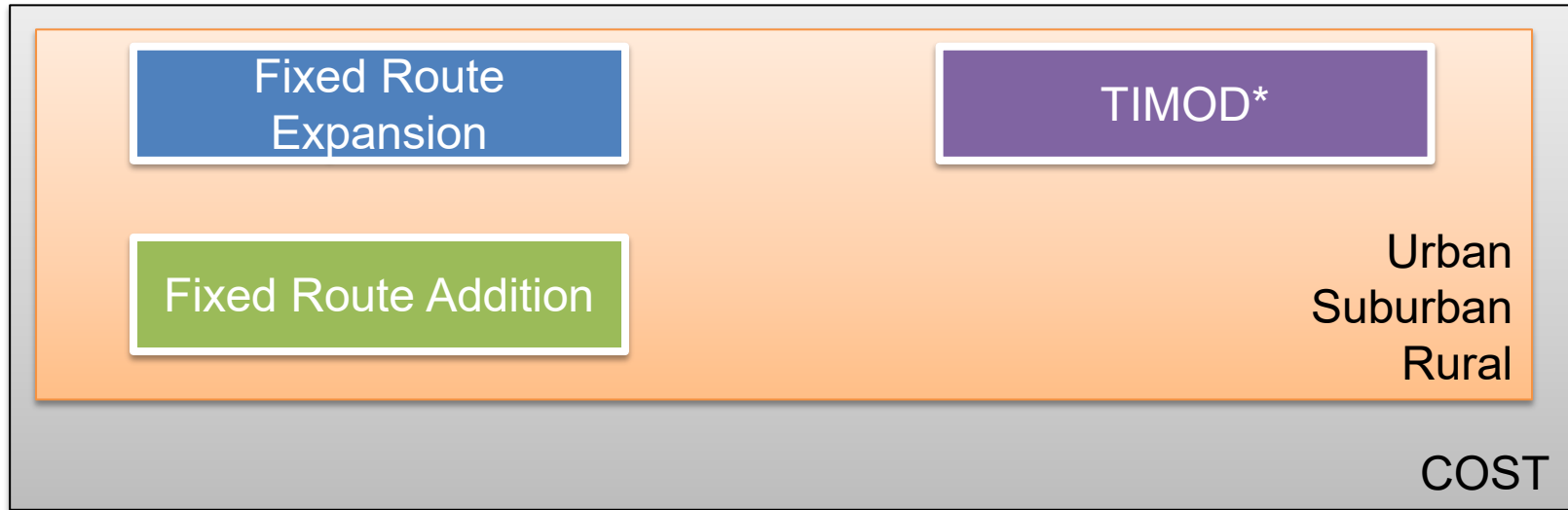
Justin Nawrocki, Public Transportation Division

May 17, 2023

We're at a pivotal point



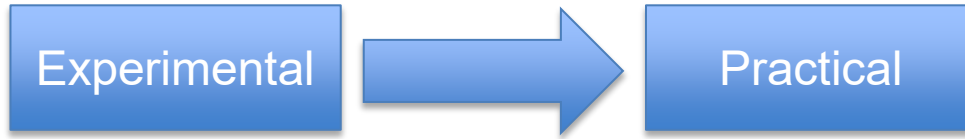
The research



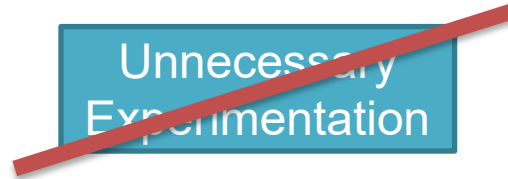
*TIMOD: Transit Incorporating Mobility on Demand

The benefits

Understand when mobility on demand works to fill transit gaps.



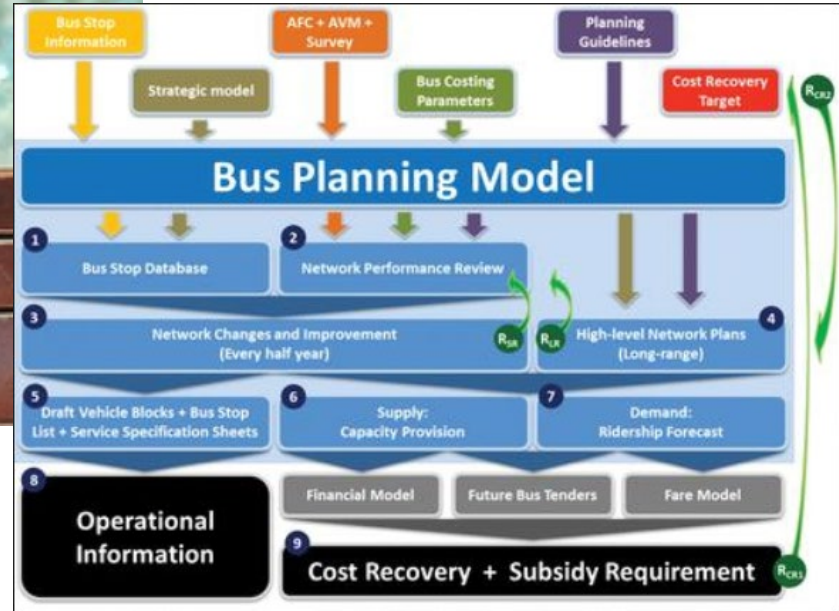
Inform planning, project development, budgeting.



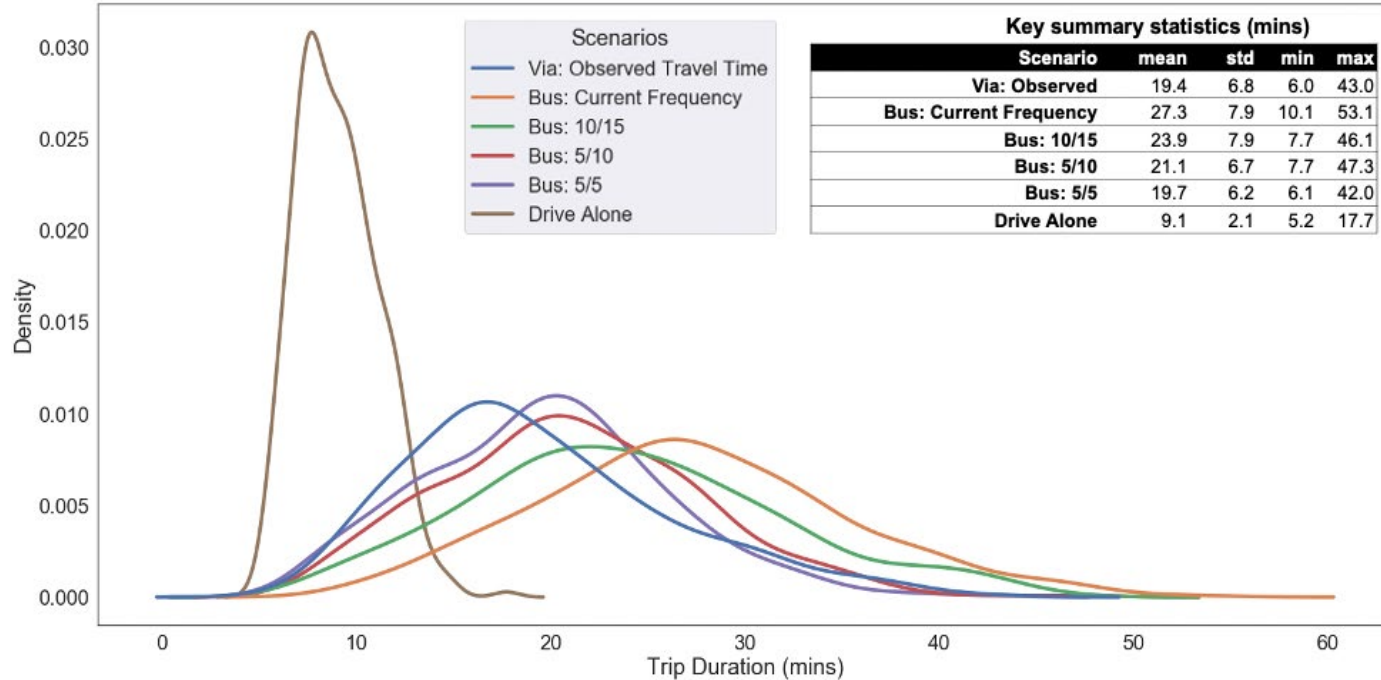
Provide useful & independent information.



The benefits (2)



The benefits (3)



The benefits (4)

	1 day	1 day	1 day	6 months							
B	C	D	E	F							
Scenarios	Travelers' Total Generalized Cost	Agency's Economic Cost	Total Economic Cost	Total Economic Cost	6 mo (in days)	Agency cost 6 mo	Agency cost 1 year (6 mo x2)	savings	x10		
Via: Observed Travel Time	\$3,850	\$2,506	\$5,278	\$955,298	181	\$453,586.00	\$907,172				
Park and Ride: Last 50 Years	\$2,571	\$2,654	\$5,225	\$945,708		\$480,374.00	\$960,748				
Park and Ride: Last 30 Years	\$2,571	\$4,027	\$6,598	\$1,194,149		\$728,887.00	\$1,457,774				
Bus: Current Frequency	\$6,110	\$1,697	\$6,729	\$1,217,949		\$307,157.00	\$614,314	(\$292,858)	(\$2,928,580)		
Bus: 10/15	\$5,336	\$2,729	\$6,987	\$1,264,647		\$493,949.00	\$987,898	\$80,726	\$807,260	800,000	
Bus: 5/10	\$4,765	\$4,746	\$8,433	\$1,526,373		\$859,026.00	\$1,718,052	\$810,880	\$8,108,800		
Bus: 5/5	\$4,447	\$8,526	\$11,895	\$2,152,995		\$1,543,206.00	\$3,086,412	\$2,179,240	\$21,792,400	22,000,000	

Thank you!

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