

Topics

- Recent Performance Information
- Comparison to Benchmarks
- Systemic Influencers (COVID and others)
- Service Ideas
- Customer Service-Oriented Example
- Addressing ridership groups (women, for example)

Existing Transit Service

Mountain Line Fixed Route

Strengths

- Weaknesses High passenger capacity
- Serves many destinations along major corridors
- Regional access
- Less flexibility for new service throughout the city
- Existing network not sufficient for quick/short trips across town

Mountain Lift Paratransit

Mountain Link

NAU-focus

Strengths

- Provides ADA accessible transportation option
- Flexible Origin-Destination

Weaknesses

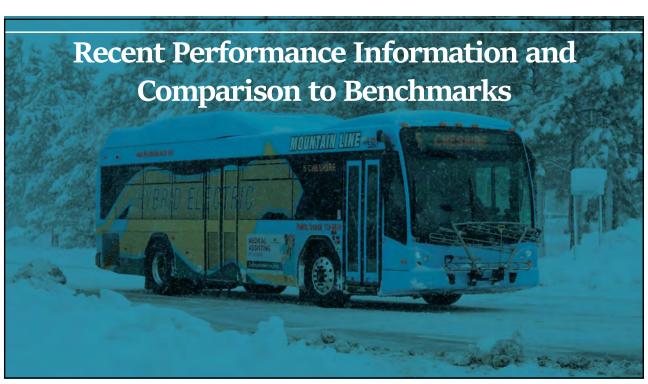
- Multi-rider trips
- Hours limited to Mountain Line service
- Must book at least 24 hours in advance for most service

Strengths

- Services focused, high-demand area
- Free to students

Weaknesses

Difficult to replicate elsewhere due to demographics

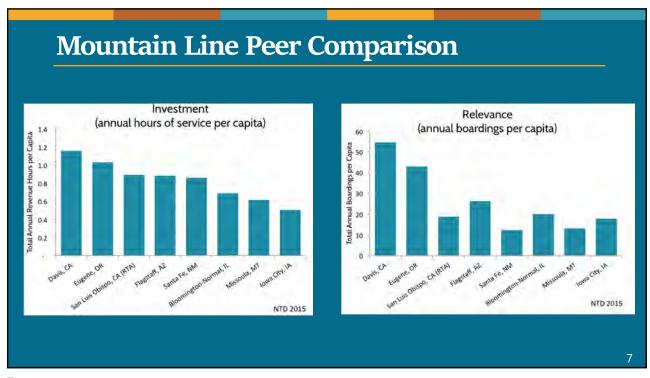


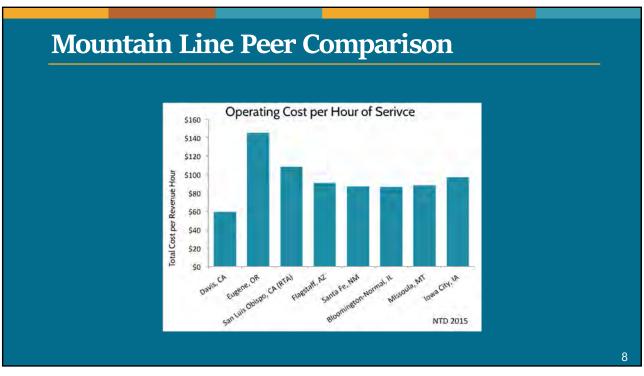
Mountain Lion Services – Strategic Measures

		2019	2020	2021		2022		2022
		Actual	Actual	Actual		Goals		Projected
Fixed Route - Bus								
Annual Boardings	2	,541,353	2,097,814	924,728		1,252,561		1,398,742
Cost per Passenger	\$	2.91	\$ 3.64	\$ 8.63	\$	6.92	\$	6.58
Cost per Service Hour	\$	98.14	\$ 109.52	\$ 109.66	\$	112.62	\$	121.71
Passengers per Hour		33.77	30.09	12.71		16.27		18.51
Demand Response - Paratransit								
Trips Per Hour		3.02	3.40	2.61		3.05		1.86
Cost per Trip	\$	46.05	\$ 54.60	\$ 55.69	\$	44.11	\$	68.12
Cost per Hour	\$	139.10	\$ 185.50	\$ 189.21	\$	134.63	\$	126.81
Taxi Program - City								
Cost per Trip	\$	14.50	\$ 16.42	\$ 21.99	\$	17.52	\$	20.28
Total Trips/Vouchers		7,116	6,875	4,732		5,118		5,408
Taxi Program - County								
Cost per Trip	\$	26.94	\$ 26.47	\$ 31.80		40.22	5	26.66
Total Trips/Vouchers		954	929	661		996		756
Vanpool Program - County								
Cost per Trip	5	4.23	\$ 3.86	\$ 6.50	5	6.61	Ś	5.16
Trips		9,442	8,922	8,646		8,438		8,565

Benchmark Comparison with Other Agencies

	Flagstaff, AZ	Madera, CA	Victoria, TX	Camarillo, CA	Cheyenne, WY	Pittsburg, MD
Primary UZA Population	71,957	78,413	63,683	71,772	73,588	72,714
Agency VOMS	29	24	40	19	18	30
Fixed Route - Bus						
Annual Boardings	2,097,814	241,800	168,541	56,136	108,045	19,158
Cost per Passenger	\$3.45	\$16.04	\$6.66	\$10.34	\$9.25	\$25.43
Cost per Service Hour	\$103.93	\$74.66	\$47.16	\$128.93	\$61.51	\$39.45
Passengers per Hour	30.1	4.7	7.1	12.5	6.6	1.6
Demand Response -	<u>Paratransit</u>					
Trips per Hour	3.4	1.6	2.2	3.4	1.5	2.3
Cost per Trip	\$53.32	\$86.64	\$37.04	\$19.01	\$35.86	\$21.87
Cost per Hour	\$181.17	\$137.32	\$82.23	\$63.94	\$52.38	\$49.85

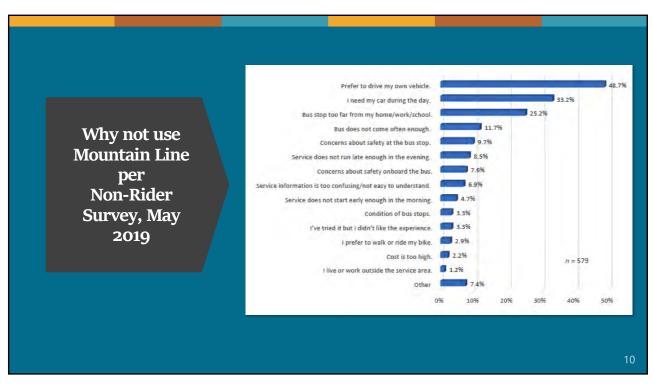




Perceptions of Mountain Line, Non-Rider Survey, May 2019

reduces traffic congestion.		Disagree	No Opinion
	82.1%	12.7%	2.6%
is a valuable service for our community.	93.1%	4.3%	2.6%
is a good resource for people who can't drive or don't have access to a vehicle.	94.6%	3.0%	2.4%
is reliable and cost-effective transportation.	81.7%	9.5%	8.8%
Statement is not a service our community needs.	Disagree 78.5%	Agree 14.0%	No Opinion 7.4%
Statement	Agree	Disagree	No Opinion
is something I would only consider if I didn't have an alternative method of ansportation.	69.7%	25.7%	4.6%
is something I would like to use more, but don't know enough about.	35.2%	51.1%	13.7%
is something I would like to use more, but don't know enough about. would be willing to pay more in taxes in order to increase public transportation.	35.2% 44.9%	51.1% 41.8%	13.7% 13.3%

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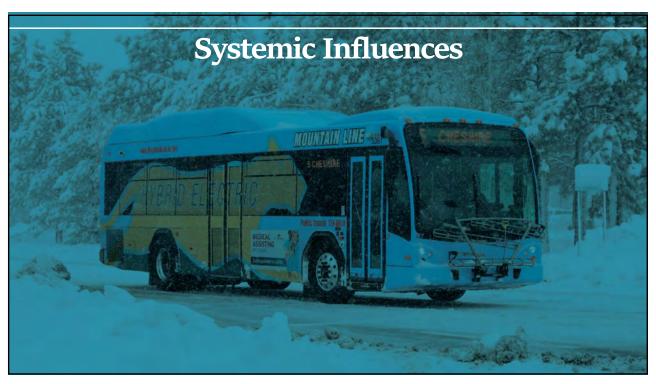
Mountain Line On-board Customer Survey (2018)

The "typical" Mountain Line customer:

- Is generally satisfied with the Mountain Line service
- Uses Mountain Line to travel to work (46.7 percent) or school (20.2 percent)
- Uses non-cash fare media (78.2 percent)
- Has been riding Mountain Line regularly for two years or longer (56.8 percent)
- Rides Mountain Line because it is their only transportation (68.6 percent)
- Rides five or more times per week (60.3 percent)
- Walks (or uses a wheelchair) to and from the bus stop
- · Would ride more if there was later (65.9 percent) or more frequent (64.4 percent) service on weekends
- Is employed either full- or part-time (56.1 percent)
- Is a working age adult (age 25-64 years) (58.3 percent)
- Has an annual household income of less than \$20,000 (59.3 percent)
- Lives in a one- or two-person household (52.3 percent)
- Does not have regular access to a working vehicle (68.3 percent)
- Does not have a disability (90.8 percent)

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How Big of an Impact to Transit?

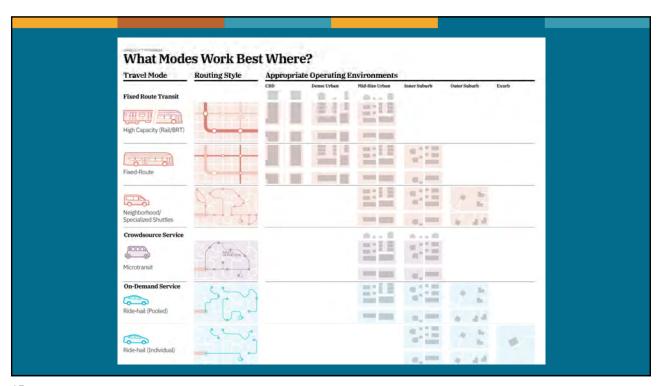
- Working remotely at least a few days/week
- Relocation to less-friendly transit location due to above
- Ridership apprehension due to proximity to others
- On-line purchases (goods and services)
- Remote learning environments

Countermeasures?

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Neighborhood Shuttle Service

What is it?

- Neighborhood transit shuttle service
- Provides connection from neighborhoods to key activity locations

Strengths

- Opportunity to expand new shuttle service for non-commuters
- · Medium capacity vehicles

Weaknesses

- Fixed-routes offer less flexibility
- Larger vehicles need specific bus stops
- Difficult balance between accessing enough key destinations with quick on-vehicle time and frequent service

Specialized Shuttle Service

Limited Applicability

- Special events
- Seasonal
- Need available rolling stock and drivers



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On-Demand Microtransit

What is it?

- Shared-ride, on-demand service
- Could be hailed using smartphone app

Strengths

- Flexible routing
- More direct service

Weaknesses

Limited capacity compared to fixed-route transit and shuttles

On-Demand Microtransit

FRAN (City of Anaheim)

- Partnership between the city and the Anaheim Transportation Network
- Service is free and serves downtown area

Huntington Beach Downtown Shuttle

- Partnership between the city and Circuit
- Service is free and serves downtown area
- Can be hailed on-demand on site or through a phone application



Source: Center City Anaheir



Source: LA Tim

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Ridehail / Transportation Network Company Partnerships (TNC's)

What is it?

- Potential to partner with Uber, Lyft, and/or local taxi operator to provide trips
- Point-to-point service, some limited opportunity for shared rides
- Can cover a large area with dispersed (low-density) origins
- Range of partnership options

Strengths

- Low-cost to rider (but may be increasing)
- Residents may already be familiar with service

Weaknesses

- Potential challenges with ADA compliance
- Limited integration with other transit services & apps
- Cannot accommodate demand surge / large groups

Transportation Network Company Partnerships (TNC's)

GoDublin! (Dublin, CA)

- Livermore Amador Valley Transit (LAVTA) pays for 50% of rider fare, up to \$5 within city limits
- Partnership between LAVTA & Uber and Lyft

GoMonrovia (Monrovia, CA)

- Fixed reduced rate of \$3 for those traveling within the service area
- Partnership between the City of Monrovia and Lyft

Cincinnati Strategic Transit Study

- Recommended potential on-demand pilots
- Partnership between Uber and the city



Source: Livermore Amador Valley Transit (LAVTA)

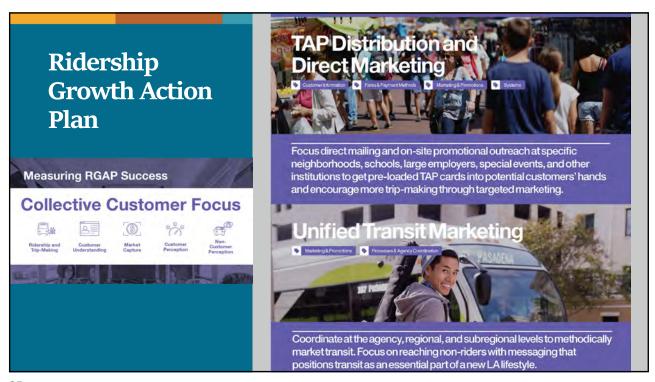


Source: City of Monrovia







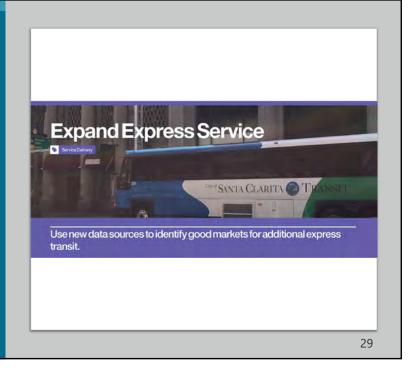


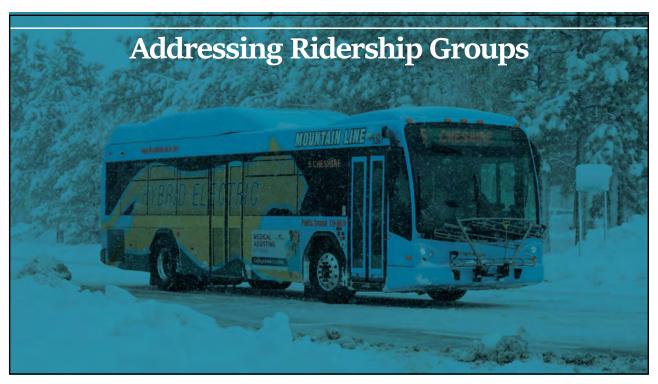


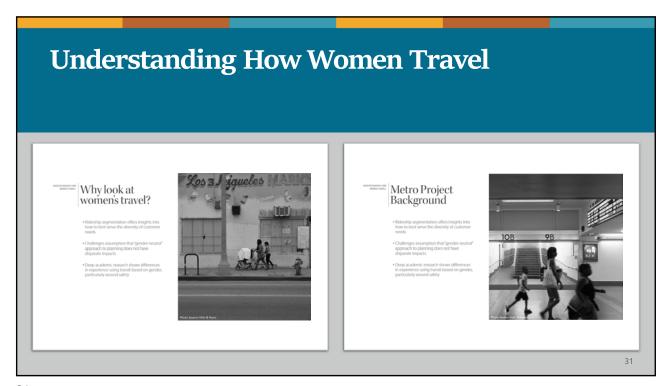


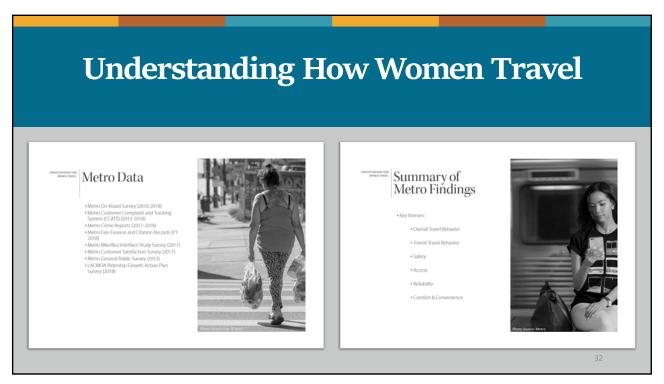


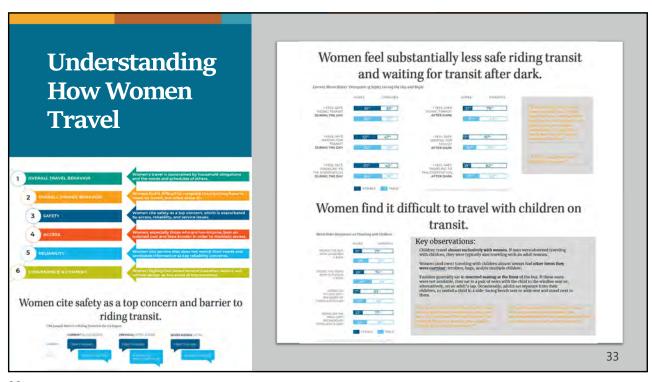


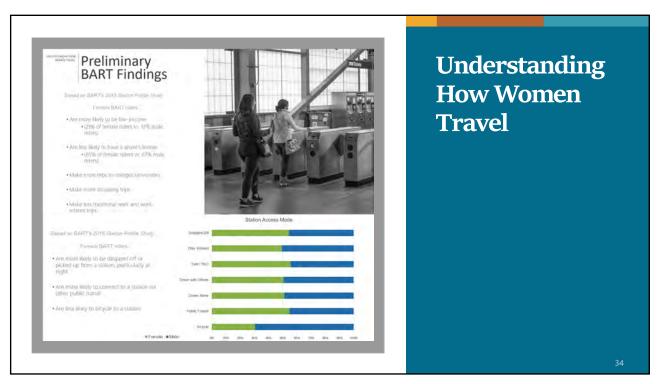












Potential Policy & Design Solutions Transit ambassador staffing Easier TAP reloading Seating layouts · Lighting at stops/stations Pull cords/push buttons Interior station design Space for strollers "Request-a-stop" program Stop/station amenities Integrated crime reporting Mid-day service Discount program outreach · Real-time arrival info Simplified, family-friendly fares · Tech-enabled Access routing "Pass-back" TAP · Off-peak on-demand micro-transit

Understanding How Women Travel

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