

Stronger & Better Part I: what do the data suggest?

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transit trends topics

- 1. what we know: transit fundamentals
- 2. what we are watching: trends in the data
- 3. implications: data-informed planning
 - near-term service changes
 - operator resources and hiring

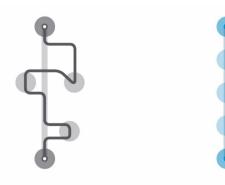


transit planning fundamentals

WHAT WE KNOW



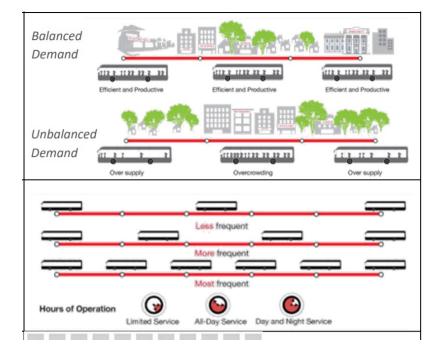
Transit supply & demand



- direct
- frequent
- time of day match
- competitive travel time

- Not everywhere for every trip
- Match transit service to demand

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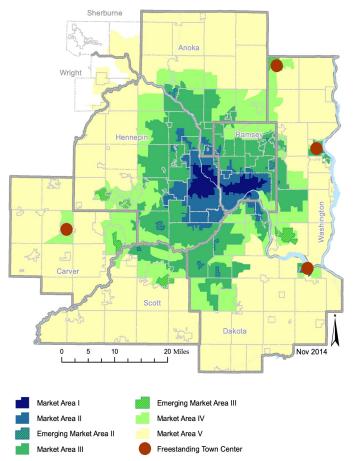


regional policy guides transit supply

TPP Appendix G

- Transit route types
- Frequency, span
- Bus stop spacing
- Route spacing
- Customer facilities
- Route productivity
- Subsidy/passenger

Transit Market Areas

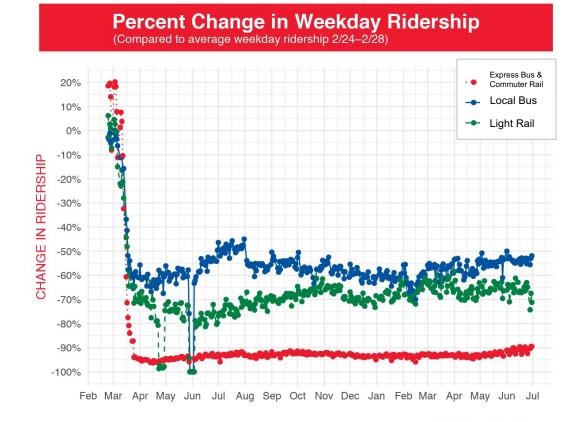




trends in the data

WHAT WE ARE WATCHING

trip making transition: stable state?

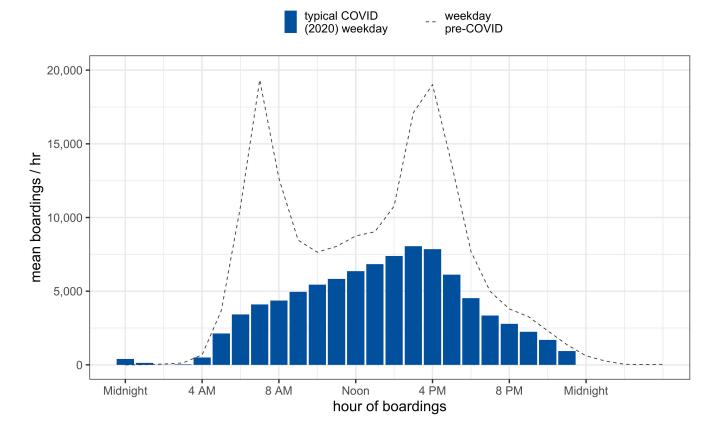


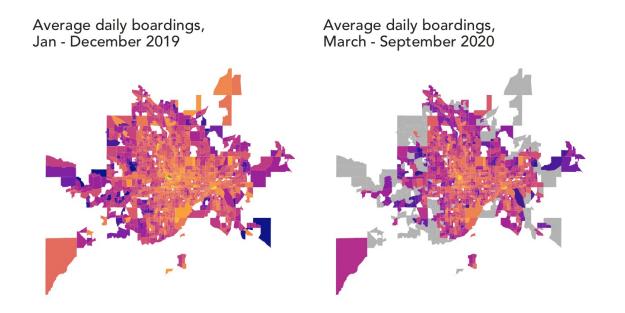
*Preliminary estimates, subject to change



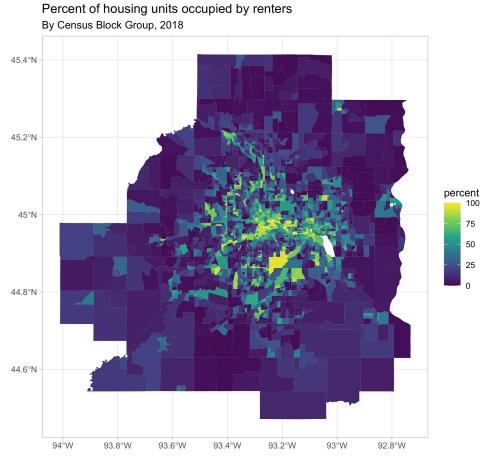
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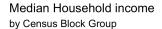
two peaks have become one





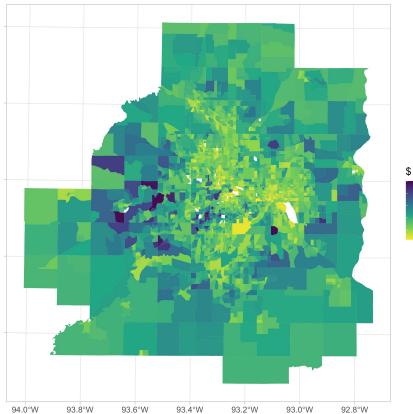






100

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250,000 200,000 150,000 100,000 50,000

Spatial approach: renters, income best predictors* of COVID ridership

Predictors used in ridership model

Variable	Meaning	coefficient
x_1	Employment density	0.06
x_2	Walkability	0.03
<i>x</i> ₃	Percent of households with no vehicle	0.06
<i>x</i> ₄	Percent of residents aged 18 to 34	0.04
<i>x</i> ₅	Presence of college or university campus	0.08
<i>x</i> ₆	Presence of rail station	0.52
<i>x</i> ₇	Presence of hospital campus	0.00
<i>x</i> ₈	Presence of MSP International Airport	0.00
<i>x</i> 9	Median household income	-0.20
x_{10}	Percent of housing units occupied by renters	0.15
<i>x</i> ₁₁	Percent of residents identified as white alone	-0.07

* - amount of service (trips) is included in model

Most Important Reason to Return to Metro Transit

Avoiding traffic and parking hassles is the most indicated reason to return to Metro Transit use (44%) among all respondents. Among those with their own or shared access to a vehicle, that reason is even more prevalent (53%). Among those without regular access to a vehicle, 73% indicate that travel without access to a vehicle is most important.



Most Important Reason to Return to Metro Transit Use

44% AVOIDS TRAFFIC AND PARKING HASSLES

22% ALLOWS TRAVEL WITHOUT OWNING OR HAVING ACCESS TO A VEHICLE

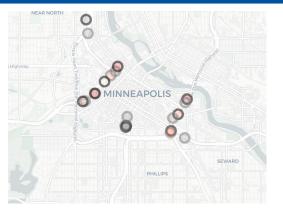
17% SAVES MONEY OVER OTHER OPTIONS

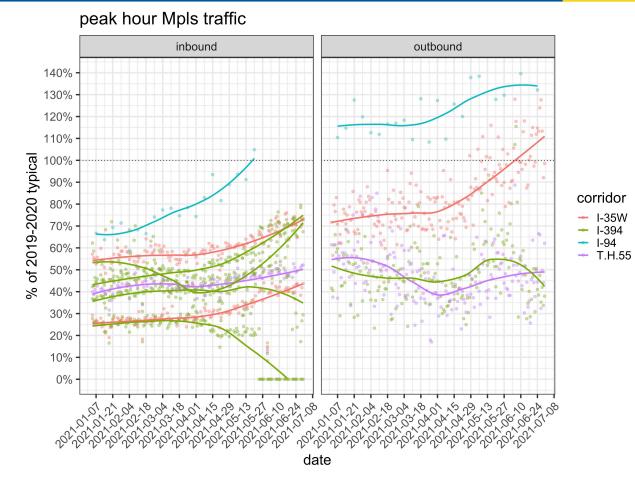
11% IS ENVIRONMENTALLY MORE RESPONSIBLE THAN OTHER OPTIONS

6% GIVES ME TIME TO MYSELF WHILE TRAVELING

n=435

Q9 Which of the following would be the most important reason that you would return to using Metro Transit services? Metro Transit:



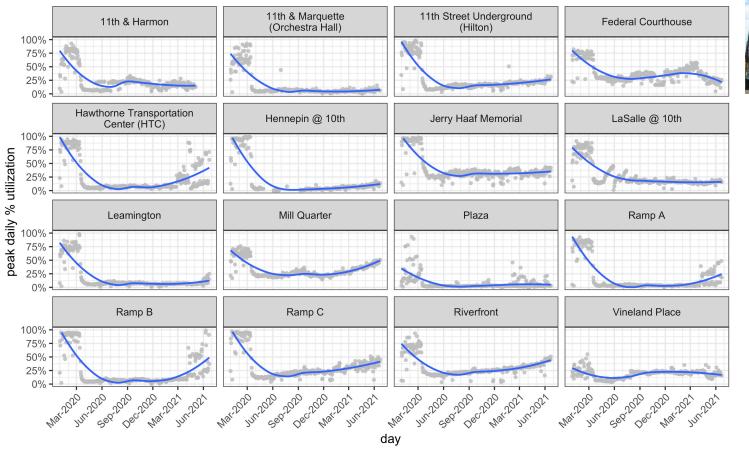


data courtesy of MnDOT

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Minneapolis municipal parking trends

through June 2021



data courtesy of City of Minneapolis

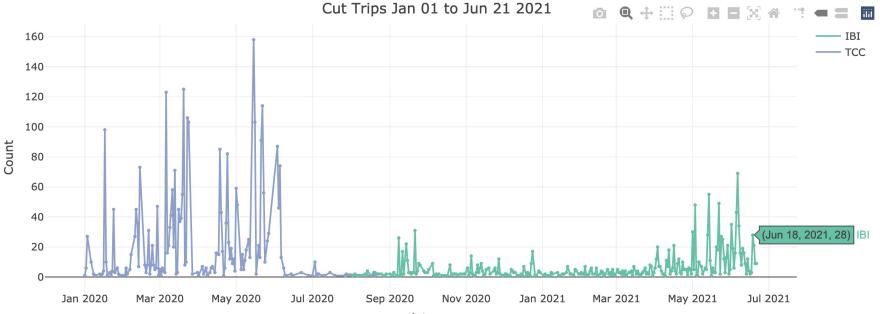
number of operators limits service provision

Cut Trips

Strategic Initiatives

Data labels between the two sources are not exactly the same. Filters applied are as follow:

- TCC data = Cut & Cut Trip & Late & Partial cut
- IBI data = Cancellations and Delay





data-informed planning

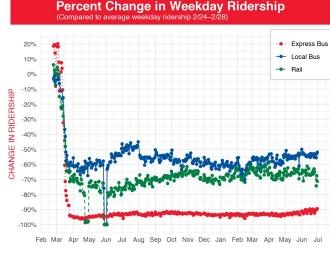
IMPLICATIONS OF THE TRENDS



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ridership trend implications

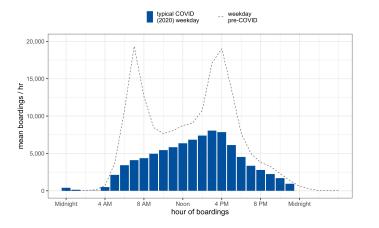
- expect slow change in ridership
 - especially true of "sticky" behavior of commuter/express riders
 - provide supply, measure demand
- possible perturbations:
 - massive return to work in downtown job centers in September
 - sudden and sustained congestion from increased private auto trips
 - gas price spike
 - policy intervention to make driving & parking more expensive



*Preliminary estimates, subject to change

Transit

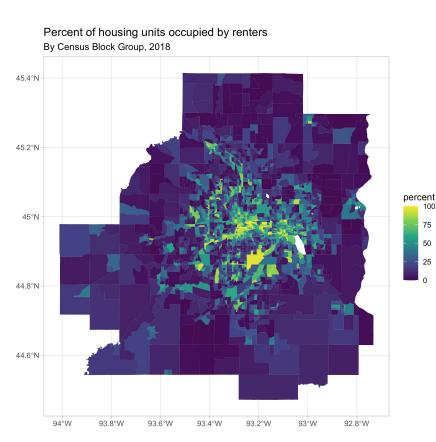
time of day peak implications



- all-day, frequent service best matches all-purpose travel
- transit designed for singlepurpose trips is fragile to disruption
- improve speed, reliability of wellused local service to build ridership

spatial trends implications

- we know where to put service to build on current ridership
- service in low-propensity areas should not be expected to be productive
- alignment with equity mission



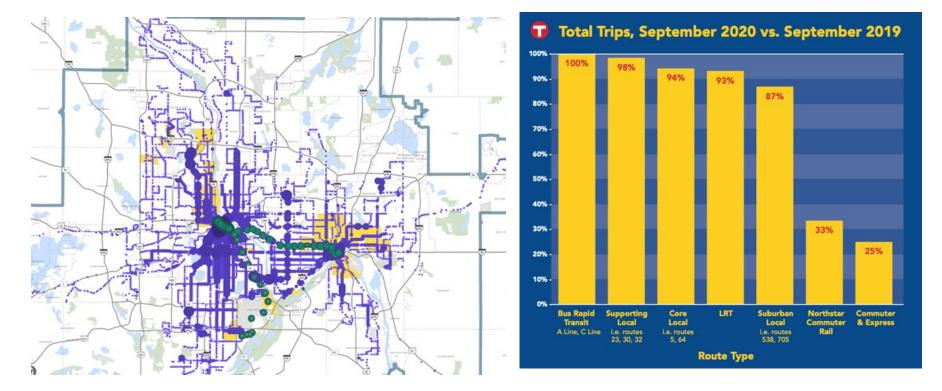


data-informed planning

NEAR-TERM SERVICE CHANGES

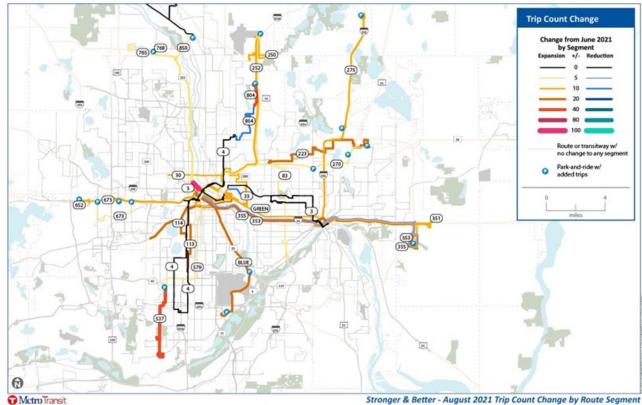


Current Service levels



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August 21, 2021 service changes



Own

August 21, 2021 service changes

- Commuter Express focused on primary freeway corridors
 - Large park and rides, and U of M
 - Restoring/improving service on 14 routes
- Route 3 high frequency Snelling to North Loop
- Restoring Route 223, 537
- Restructure Route 4
- LRT start 10" frequency in morning rush hour
- 40 routes remain suspended



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OPERATOR RESOURCES

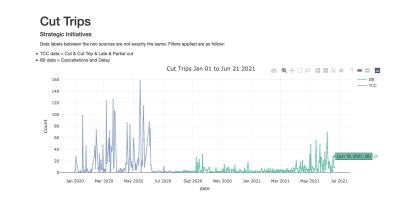
staff levels and hiring

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operator resource implications



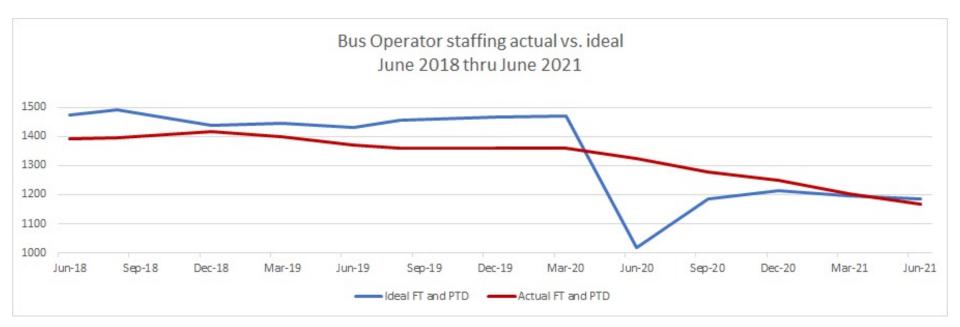
- expansion of service must be prioritized within operator resources
- hiring will drive service expansion



bus operator staffing and hiring update

- Key measure is full-time plus part-time weekday
 - Current ideal: **1186**
 - Current actual: 1163
 - August service includes slight increase
 - Students in training: 6
 - Applicants in late stages of hiring process: 42
 - Goal: 12 students for each bi-weekly class





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bus operator recruitment efforts

- Marketing campaign and Outreach efforts
 > metrotransit.org/drive
- Hiring for full-time careers
- \$1000 hiring bonus
- \$600 employee referral bonus
- Streamlined process
- Next hiring event
 - July 17, 9a-12p at 725 North 7th Street, Minneapolis
- New Project Manager for Operations Amina Wolf

