TRANSIT MEASURES







Most Innovative Cities

How the Twin Cities got transit right

Big projects often divide cities. But Minneapolis' light rail line is creating jobs and driving development in underserved areas.

By: Steve Hargreaves and Dominic V Aratari







The right way to renew a city

When the Minneapolis metro region went to build a light rail line connecting downtown Minneapolis and St. Paul, the initial reaction was not good. Several community groups from lower-income neighborhoods along the proposed route opposed the project. They'd been scarred from a previous highway project that cut right through the neighborhood, dividing homes from the retail district and resulting in hundreds of evictions. They were afraid the new rail line would do the same.

Yet many of the train's supporters wanted to run the line through the neighborhood. They saw it as not only a tool to move people but also one to drive economic development. The 11-mile, billion dollar Green



Courtesy: Michael Hicks/Flickr











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NATIONAL

'Talent Wants Transit': Companies Near Transportation Gaining The Upper Hand

November 29, 2018 · 9:16 AM ET









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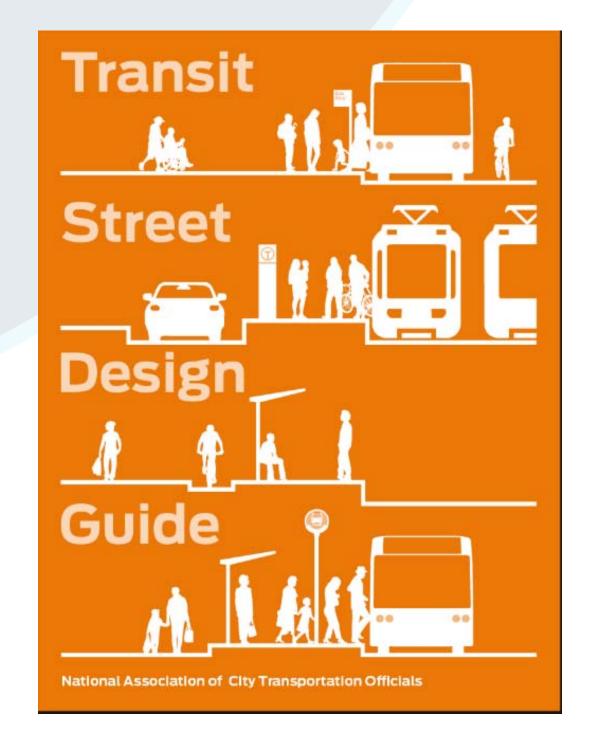
SCHAPER: The council's research shows that more than half of the jobs created in the Chicago area now are located within a half-mile of public transportation stops. Other studies show similar economic development patterns in downtown areas all across the country, with job growth greatest in the areas that are well-served by transit. And Wennink says it appears that mass transit also fosters economic resiliency.

"SCHAPER: Chicago isn't the only region experiencing this kind of business boom.

The property of the property

From Seattle to St. Louis and Minneapolis to Atlanta, companies are relocating to be near transit lines. But Kirk Dillard, who heads Chicago's Regional Transportation Authority, says many of the nation's aging transit systems are in desperate need of upgrades.

■ Transcript





Better Streets, Better Service



Transit Creates Urban Places



A Mobility
Service for the
Whole City



Growth
Without
Congestion



Safe Movement at a Large Scale

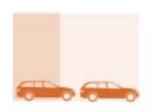


Permanent Economic Benefits









PRIVATE MOTOR VEHICLES 600-1.600/HR



MIXED TRAFFIC WITH FREQUENT BUSES 1,000-2,800/HR

Transit Provides the Opportunity for More Throughput

1 Bus ~ 40 cars



7,500/HR



4,000—8,000/HR



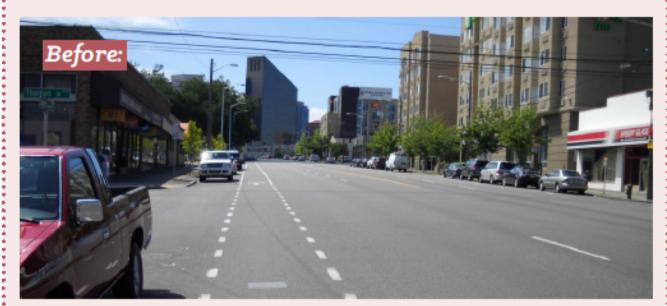


ON-STREET TRANSITWAY, BUS OR RAIL 10,000-25,000/HR

The capacity of a single 10-foot lane (or equivalent width) by mode at peak conditions with normal operations.

DEXTER AVENUE N, SEATTLE Average Daily Person Throughput

A project on Dexter Avenue N reduced the street from four general travel lanes to two, and added buffered bike lanes and in-lane stops for buses. In spite of the lane reduction, total person throughput increased 14% following the project without growing travel times.1













A DIFFERENT PATH

38 Buses

Capacity of 1500 people per hour

Mendota

Capacity

Demand

3 lns x 2000 vph/ln x 0.55 G/C = **3300 vph**

Our inbound buses carry the same amount as 1 ½ lanes on East

Washington

Madison

50,000 vpd x 12% Pkhr x 60% DD = **3600 vph**

Monona

10,000 more jobs by 2050

10,000 x 0.7 trips/Pkhr x 30% on East Wash = **2100 vph**

2100 MORE PEAK HOUR TRIPS ON EAST WASHINGTON

2 extra inbound lanes at 1100 vph per lane

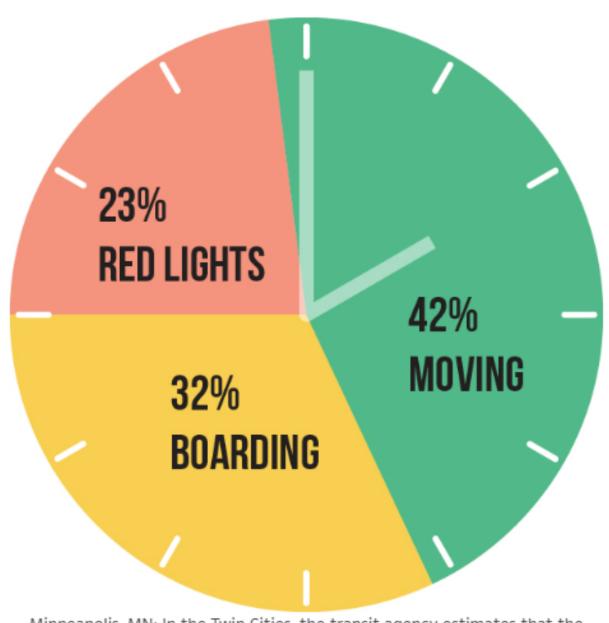
(2000 vph x 0.55 g/c ratio)

35 long buses (60 person)

A bus every 1 minute and 40 seconds

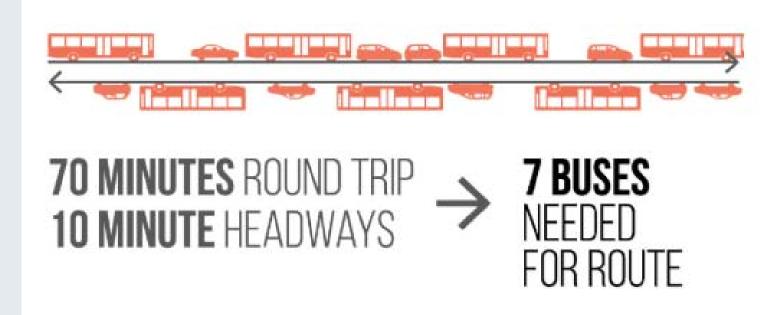
Which is more realistic?

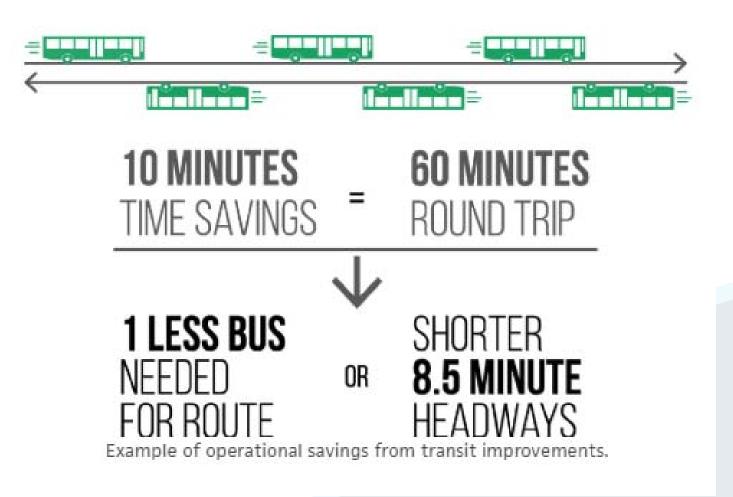
How Transit Experiences Delay



Minneapolis, MN: In the Twin Cities, the transit agency estimates that the majority of transit runtimes on a major corridor are when transit vehicles are not moving. (Source: Metro Transit).







14% reduction in resources \$6-\$8 million dollars in Metro's budget







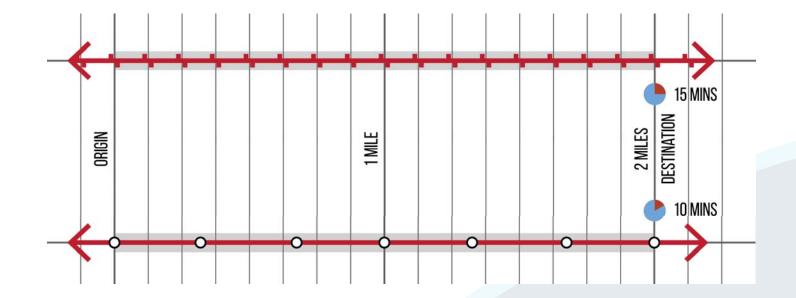
WAYS TO MAKE TRANSIT A PRIORITY

Exotic



Dedicated running ways Queue Jumps

Ordinary



Stop consolidation





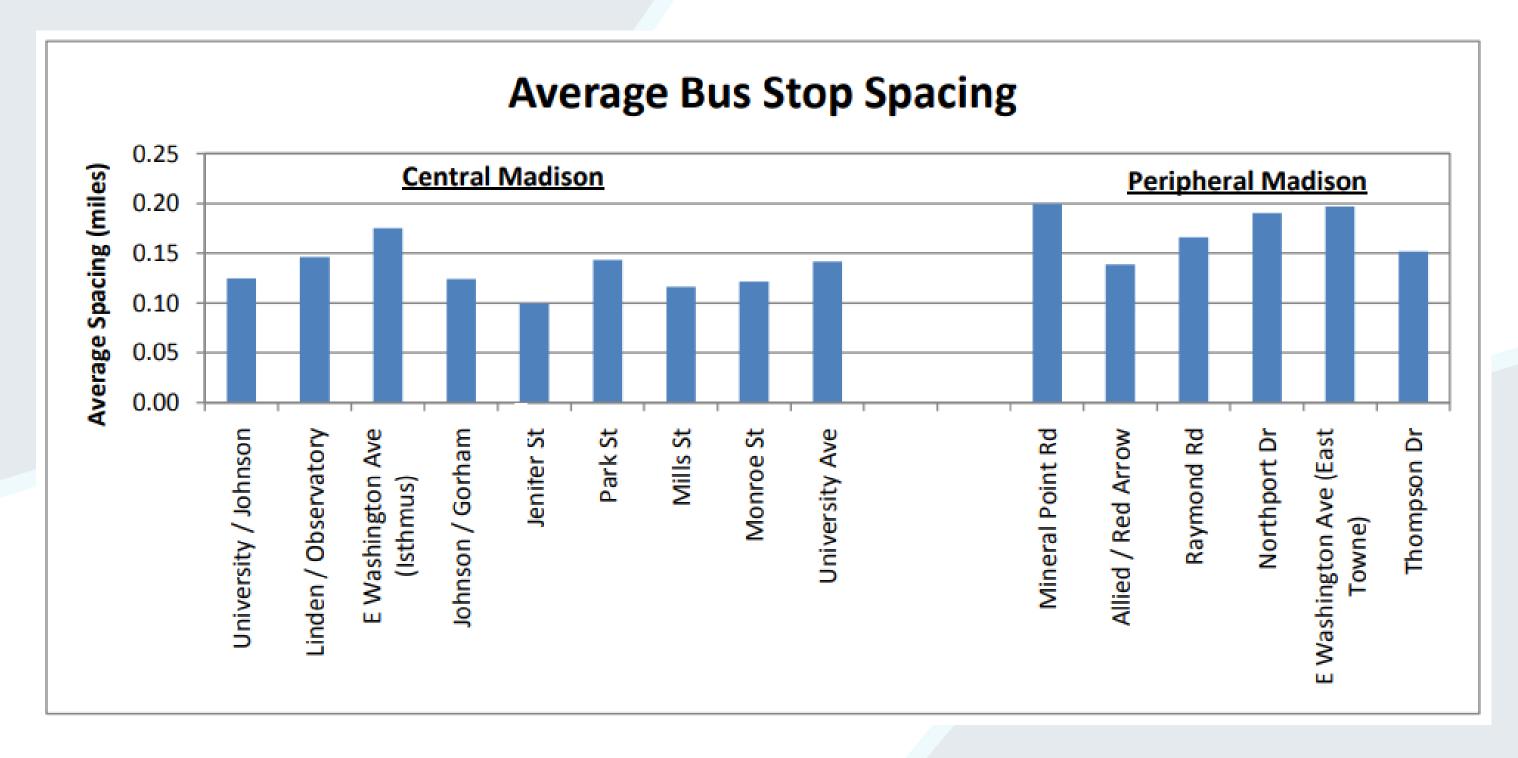


TransitCenter presents









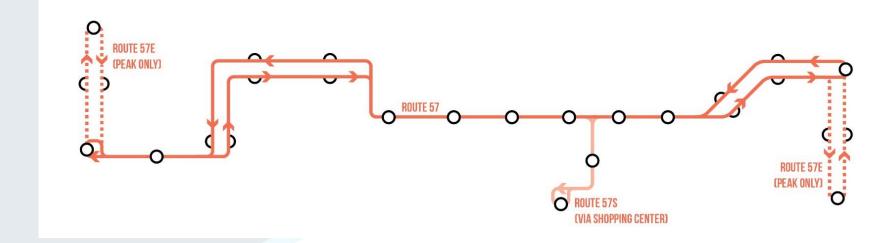
2013-2017 Transit Development Plan

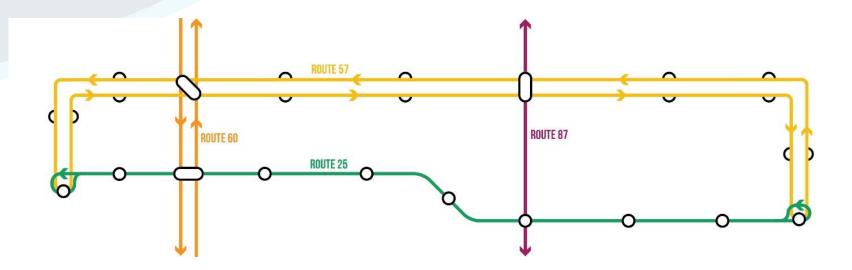






ROUTE SIMPLIFICATION





Direct, simple routes are easy to use, and save time compared with circuitous routes. Transit routes that have evolved in a piecemeal fashion over decades can be simplified to create more frequent and direct service.

Generally, longer walk distance with more frequency is preferred over shorter distance with less frequency





