



ESTABLISHING A DIALOGUE ON BICYCLE INTEGRATION

Meeting the needs of multimodal commuters does not begin or end with the installation of bits racks at team's facilities and orbonod team's wheleas. Transit agencies should proactively facilities the sale of the control of the cont

Internal Dialogue
Internal Operation of the Control of the Control

- Identify an internal executive-level champion to advocate for bicycle improvementi.
 Develop an internal, cross-disciplinary bicycle advisory group that consults on all approaches of bicycle integration. transit integration.
- aspects of bicycle integration.

 Leverage often bicyclists at the agency, including operators who bile, to agreed the united bloom the benefits of bicycling for customers and for the agency, Describing united biometries that customers propose these efforts, perceived birriers that customers propose these efforts.

 Data or many company compa
- PREVIOUS MILITARY WITH MAINTAIN OF PROPOSE AND VINCOUS.

 Data is critical, especially for mitigaling operations and maintenance.
- Precedent and peer agency experience, such as the case studies contained in this document, can be a valuable resource. in visi sociument, can be a valuable resource.

 * Keep customer service informed on all bicycle improvement projects and concerns.
 This reludes the following:
- Modifications made at facilities for cyclists
- overvice sepacial that was serior cyclests
 Construction project staff must finish posactively about how their work may affect
 amers, including becycless, and use the proper channels to Communicate those
 impacts.
- Communicate bicycling as part of the agency's wellness program.
- Provide secure bicycle parking, showers and lockers.

External Dialogue
Frequent, largeted communication that is informed by data (rider tendinack, numbers, pageditic challenges) allows agencies to more precisely tailor their bidyde strategies. In

addition to technical requirements, complex bake peaking systems also require a market-ing strategy to facilitate use. This may leclude the following A brochure for biryclists that is distributed on vehicles, through customer service, at public vertex and other venues

- Bicyclini wayfinding signage, showing nearby bite crustes.
 A robust websites with an one for bicyclinis that provides persistent information about the provides and the provides of the provides of

ocnocens.

Agencies must adequately budget for communications activities. Transit agencies shou teach with foot adequary groups to develop consistent messaging and to ensure that transit understands and meets the needs of the bias community.

5 CASE STUDY EMPLOYEE ENGAGEMENT SOUNDTRANSIT

EMPLOYEE ENGAGEMENT

Each May for file Mortin, Sound Travels staff and considerate are invaled to construe to work by considerate are invaled to construe to work by the considerate are invaled to construe to work by considerate and the construence of the const

- Promotes an "Unofficial Bicycle Committee Handbook" that's updated each
 your and made available to staff. Il provides advice on bicycles, Clothing,
 weether, route feriting and other useful information.

 Promotes an "Size Rushly" man on Corolle Montand size oversimmered circles.
- weather, route Indeng and other useful information.

 Promotes a "Biae Buddy" map or Google Maps and sales creationed cyclists.

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 The control of the sales of the sale
- guidance or company during their first fee index to and from work.
 Holdes "Now to Look Professional After Cycling to Work thrown-bag banch where experienced cyclinists speak about the tools and tricks they use to arrive at their details teeth as a dainy.
 Takes and all on a benefities Cald After American C at these dease ween as a consy.

 Takes staff on a lunchtime field trip to a nonprofit bilke shop to learn about how
- to arrap for a sucycle.

 Maintains as internal web page about bicycling to work, which is updated throughout like Month.
- enroughout base wronet.

 Holds a lunchtime bike repair clinic to teach basic bicycle maint.

CASE STUDY

ART STATION ACCESS HIERARCHY BART STATION ACCESS THE KARCHT

BART developed the Station Access havestment Framework to prioritize investiment by serion type and mode. From provide shat better developed and access the provide shat better developed and access the provide shat better than the provide shat better than the provide shat better than the provide shat the provide goals and priority projects.



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across the transit agency.

CASE STUDY

TTC BIKE TREE DEPLOYMENT In 2015, the Toronto Transit Commission

In 2015, the Toronto Trensis Commission.
(TTC) installed biocycle repair slope.
(toolset, pump, and stand or wheel look)
(toolset, pump, and stand or wheel look)
veer pilot. As survey was distributed via
year pilot. As survey was distributed via
the agency's website and social media to
gain customer feedback. The response
pump couperhelimitary positive. As a result, was overwhelmingly positive. As a result was overwheimingly positive. As a resul-bicycle repair stops were expanded to 3i. 120 the following year, covering about 70 percent of the system.























METRO



























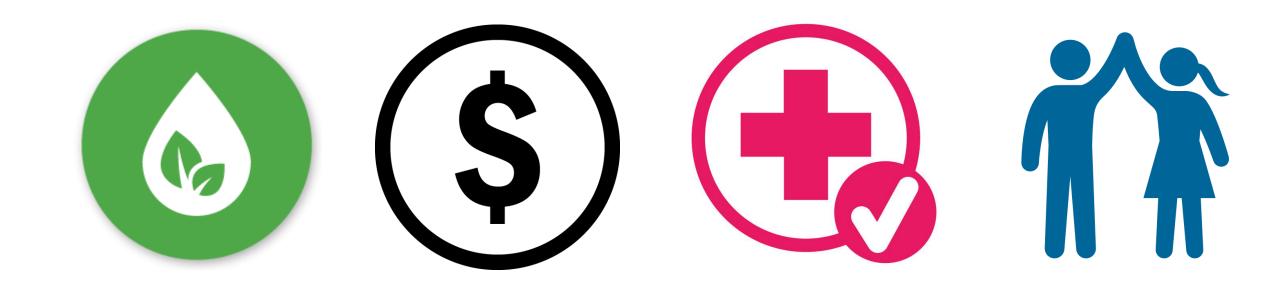




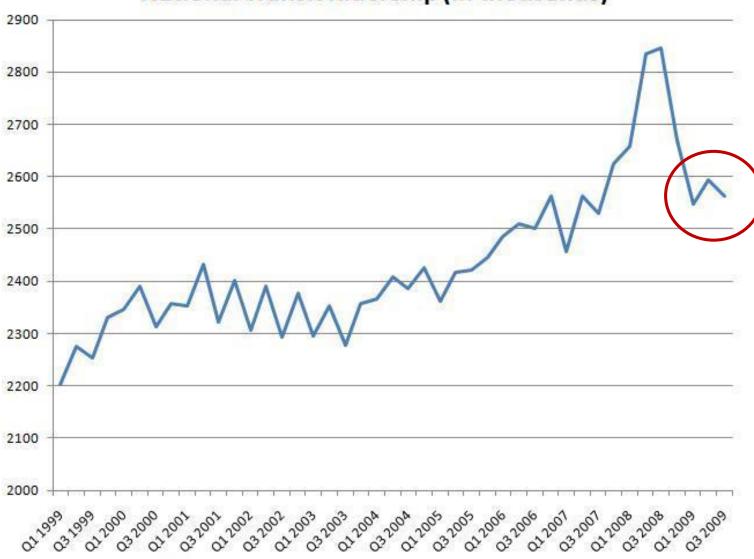




The Usual Suspects...

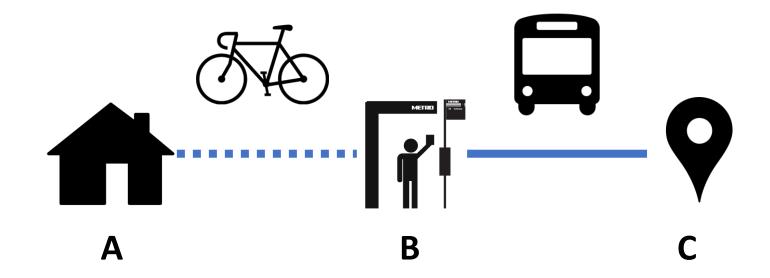


National Transit Ridership (in thousands)



SOURCE: American Public Transportation Association

Extend the Reach of Transit



Reduced Demand for Parking





Cause Everybody's Doin' It!















NITRANSI1

















The Core Issues





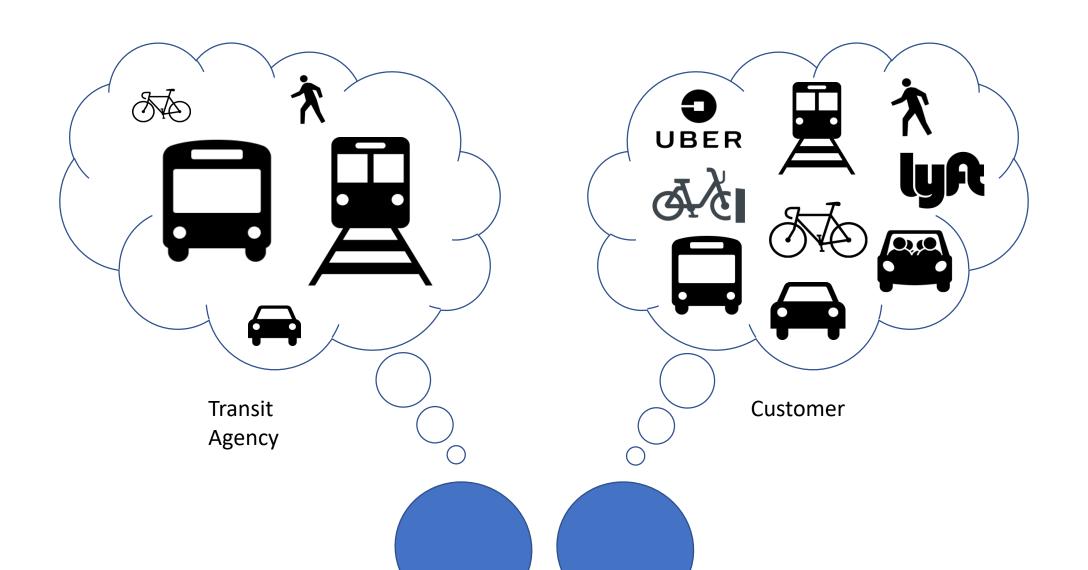




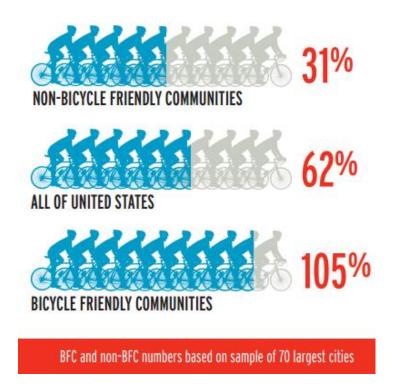




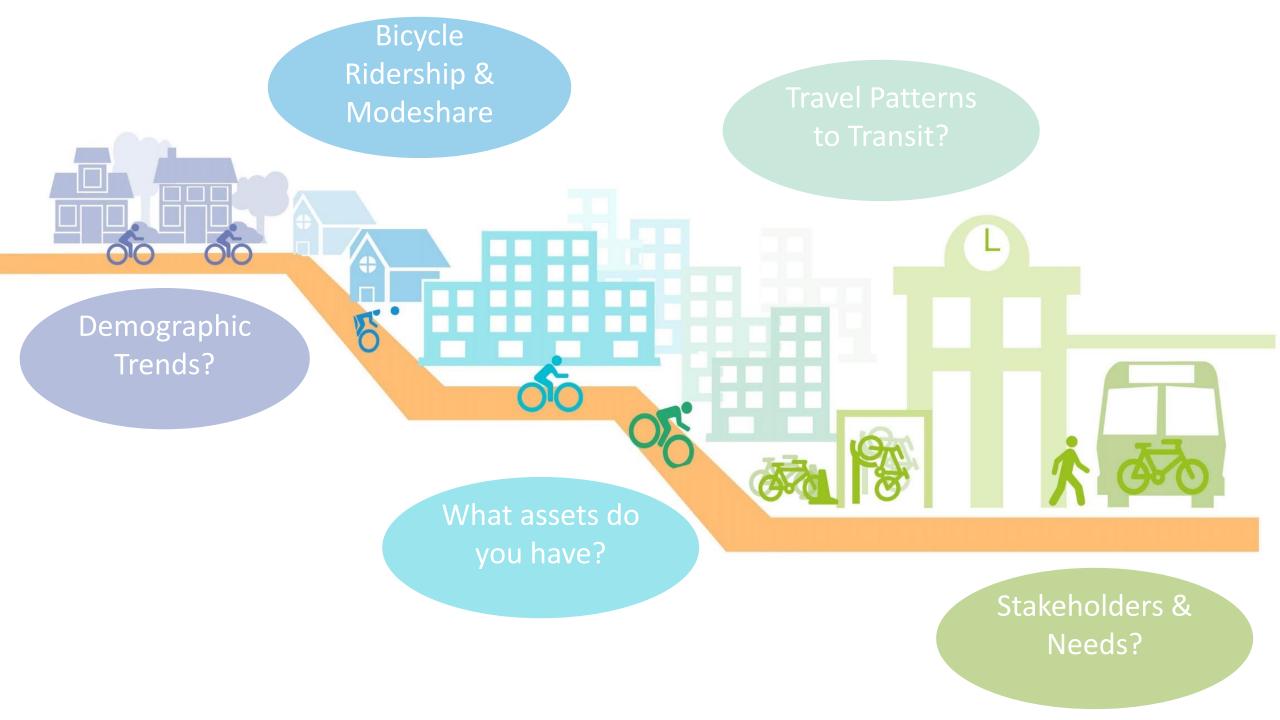
Transit Agency Priorities vs Customer Choice



Growing Industry Dataset







Guide Highlights



Getting Started

AGENCY AND PARTNER ROLES

Transit agencies often have limited jurisdiction outside their immediate property and right-of-way. The inter-agency nature of bicycle integration with transit requires an understanding of core issues grounded in customer concerns, coupled with a roadmap of the dynamic, complementary roles and responsibilities that may involve numerous stakeholder groups. In addition to the transit agency, stakeholder groups involved in bicycle and transit integration projects may include the following:

Nontransit Public-Sector Partners

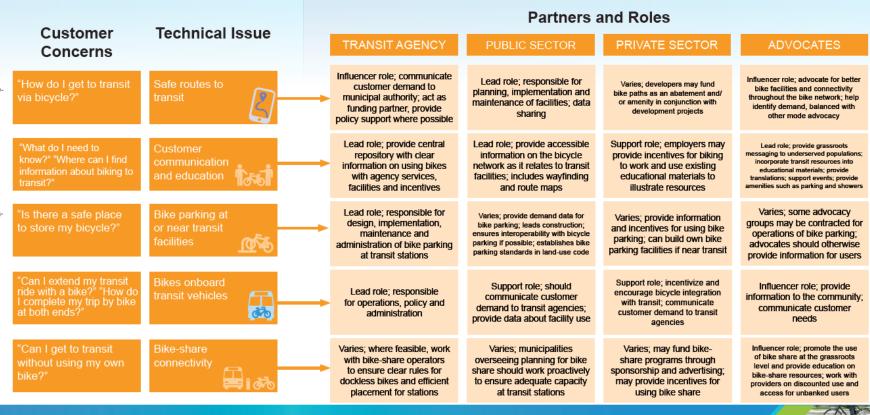
These partners may include metropolitan planning organizations (MPOs), municipal governments and local departments of transportation (DOT) or public works (DPW), county governments and state governments/DOTs. Transit projects often require collaboration with a municipal DOT for projects that fall outside of an agency's property. Other agencies such as MPOs may require inputs for broader transportation plans throughout an entire region. Additional partners may include schools and other higher-education institutions, the federal government, multijurisdictional authorities, park boards and airport commissions.

Bike/transit Advisory Groups

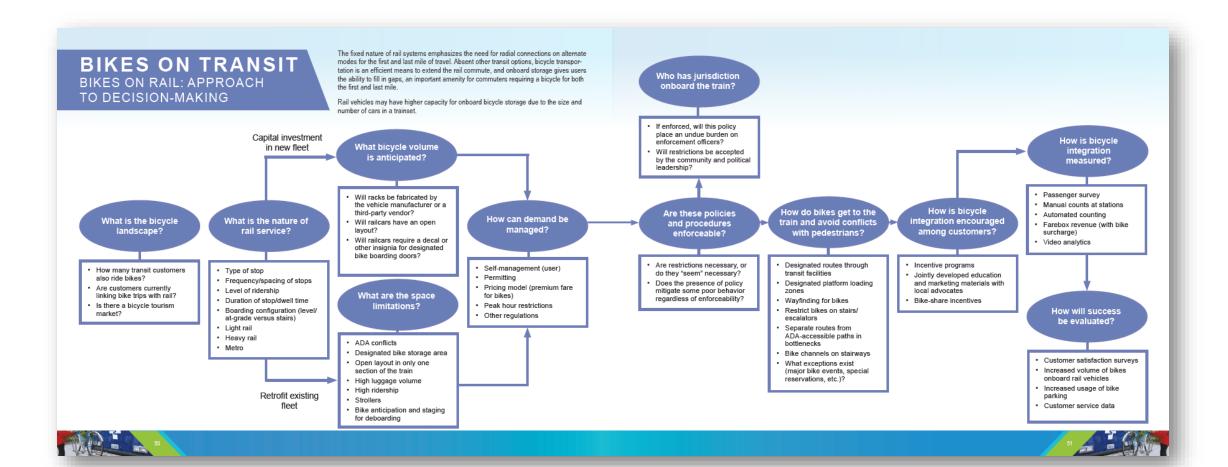
Local bike coalitions, advocacy organizations and transit advisory groups can provide valuable insights into customer needs and can help gain access to populations at the grassroots level. Advocacy groups are an avenue for presenting bike/transit integration ideas directly to executives and management. This may also include transportation management areas (TMAs).

Private-Sector Partners

Private entities can include small businesses, developers and employers. These stakeholders can serve as valuable partners, providing funding, land access and other resources. In some cases, particularly with developers, bike integration can be leveraged as an abatement tool to facilitate projects that benefit the public.



Decision-Making Framework



Case Studies

CASE STUDY

MITRANSIT



NEW JERSEY TRANSIT WESMONT STATION

In May 2016, NJ Transit opened Wesmont Station, a new commuter rail station in Wood-Ridge, New Jersey, situated on its Bergen County Line. The new station is located adjacent to a significant, residential development built on an environmentally remediated 70-acre former industrial site.

Prior to the station's opening, NJ Transit's Capital Planning Department was asked to evaluate and select the most appropriate location at the station to install bicycle racks to accommodate anticipated demand while the adjacent commuter parking lot was under construction and to serve future needs. Capital Planning fulfilled this request by conducting a site visit to evaluate the site and perform a conditions assessment. The proposed bike rack locations were identified based on proximity to platform access points, pedestrian pathways and other considerations, including weather protection, lighting and camera security. After Capital Planning determined the preferred location for the bike racks, a sketch was prepared showing the racks' location. Spacing recommendations were included to facilitate full usage of all racks. The sketch was circulated to NJ Transit's Stations and Maintenance team to confirm that the rack placements would not conflict with station maintenance needs, and subsequently to the construction management team for installation.



Ultimately, four bike racks were installed beneath the main stairway leading up to the station's pedestrian overpass. The location under the stairway was chosen primarily for its convenient location (equidistant from the stair and elevator entrances) and protection from the elements. It is also close to the pedestrian pathway but does not obstruct it. The selected location has adequate lighting and security cameras for

The racks are standard-size staple racks with a crossbar and were ordered previously in bulk at a cost of approximately \$140 each. For installation at Wesmont Station, four racks were taken from storage and delivered onsite to the construction management team

One year later, the site selection appeared to have been successful, as the racks are being used nearly to capacity. The photo below was taken in August 2017. As of that date, the parking lot had been completed and made available to customers, and the bike parking in this location continued to be heavily used.



CASE STUDY



LA METRO BIKE HUB

Metro Bike Hub is the name of LA Metro's program offering high-capacity bike parking in a controlled access, secure facility to support bike trips to and from key transit stations. Metro also manages over 800 bike lockers throughout the system. Where bike locker demand is high, the Metro Bike Hub technology and functions including access control, registration, user monitoring and interoperability will accommodate for retrofit to self-serve shelter designs.

Metro opened its first location in 2015 at the El Monte Transit station, which provides the flexibility to operate as self-serve bike parking and offer staffed services. Staffed hours are limited to test the business potential of bike commuter retail services. The Hollywood/Vine Metro Bike Hub opened in the spring of 2017 with similar operations. Both locations are designed within storefront retail space of approximately 1,000 square feet each. A third Metro Bike Hub location opened in the fall of 2017 at Union Station, which is designated as a "flagship" location operating out of the LA region's transportation hub. A fourth location at Culver City is scheduled to open later in 2018, which will accommodate 64 bikes. Both Union Station and Culver City are designed as free-standing facilities, with separate areas for bike retail/repair services.



These initial locations include staffed services as a strategy to offer face-to-face support and to educate transit patrons about bicycling. The locations evolved through leveraging various opportunities associated with financial support from station improvements. Metro joint-development property and grant programs emphasizing active transportation to help address needs at stations with high demand.

	Bike Capacity	Staffed	Approximate Tenant/ Construction Improvement
El Monte	56	7 to 11 a.m. weekdays	\$635,000
Hollywood/ Vine	64	7 to 11 a.m. weekdays	\$560,000
Union Station	192	8 a.m. to 6 p.m. week- days, 10 a.m. to 6 p.m. weekends	\$2.5 million

Metro selected a vendor that provides access control, secure bike parking management and retail services for the El Monte. Hollywood/Vine and Culver City locations. The same access control and secure parking management is used at Union Station to allow interoperability. However, the bike retail and repair shops at Union Station are negotiated through a lease with a separate company. As Metro tests these operating models, it will allow for flexibility to support ongoing operations and provide staffing at key locations. With additional locations planned and opening, Metro Bike Hubs will offer more than just secure bike

access to mobility resources. Customer registration for secure parking involves a carefully reviewed application process that includes photos of the applicant/user, state-issued license/ID card and bicvcle(s). Memberships can be purchased annually (\$60), monthly (\$12) and weekly (\$5), with discounts available

parking; they will also act as venues for

for qualified individuals (seniors, students, Medicare recipients, etc.) Membership provides access to and use of all Metro Bike Hub locations. Free bike clinics are also offered to the public to educate the community about bike commuting, riding skills



TAKEAWAYS



