

West Side Bike Boulevard

Bulevar Para Cicicletas



SAINT PAUL
PUBLIC WORKS

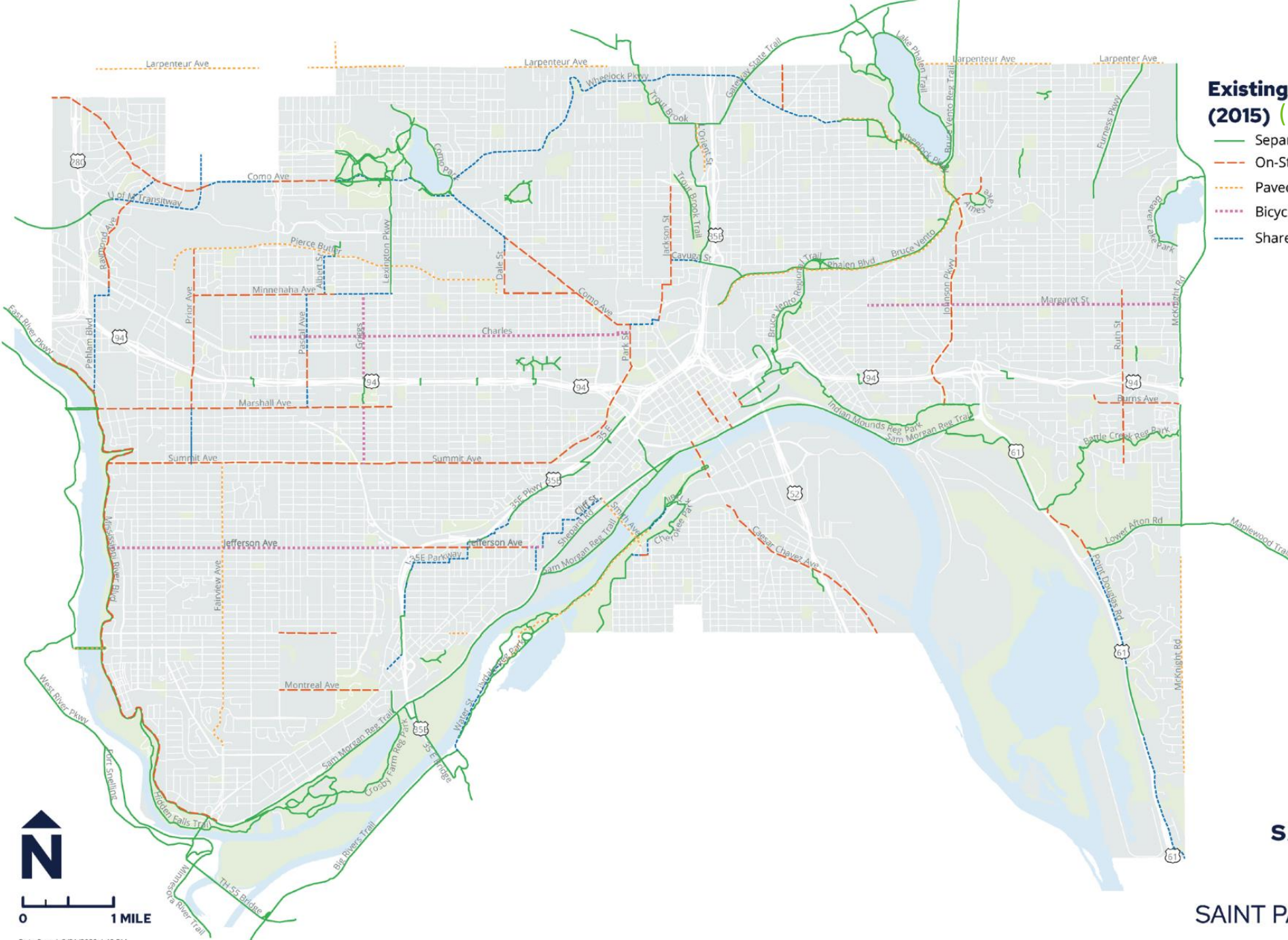
STPAUL.GOV

Why Bicycle Boulevards? ¿Por qué los bulevares para bicicletas?



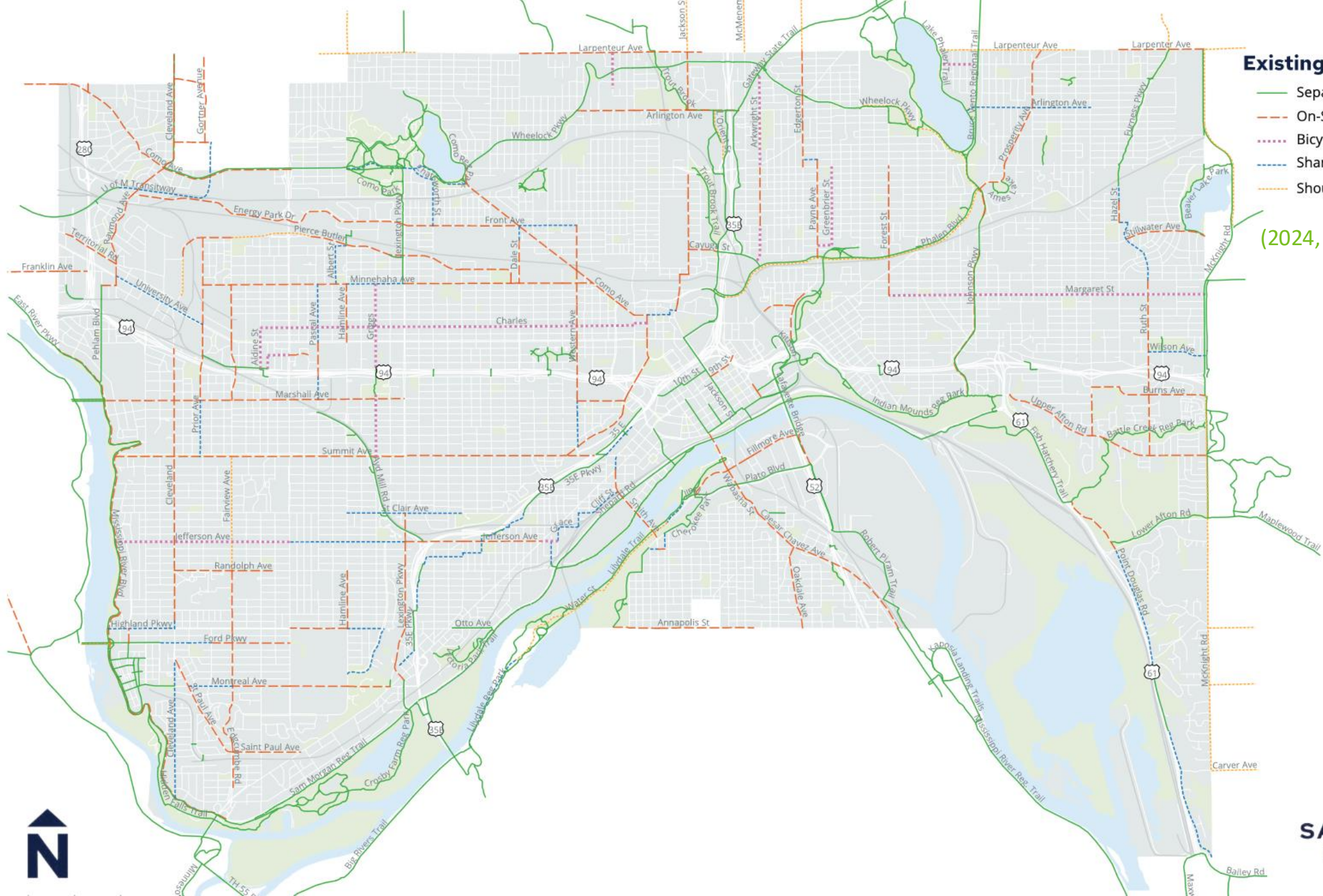
Existing Bicycle Network (2015) (153 miles)

- Separated Bikeways & Paths
- - - On-Street Bicycle Lane
- · - Paved Shoulder
- · · Bicycle Boulevard
- - - Shared Lane



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MINNESOTA

SAINT PAUL BIKE PLAN



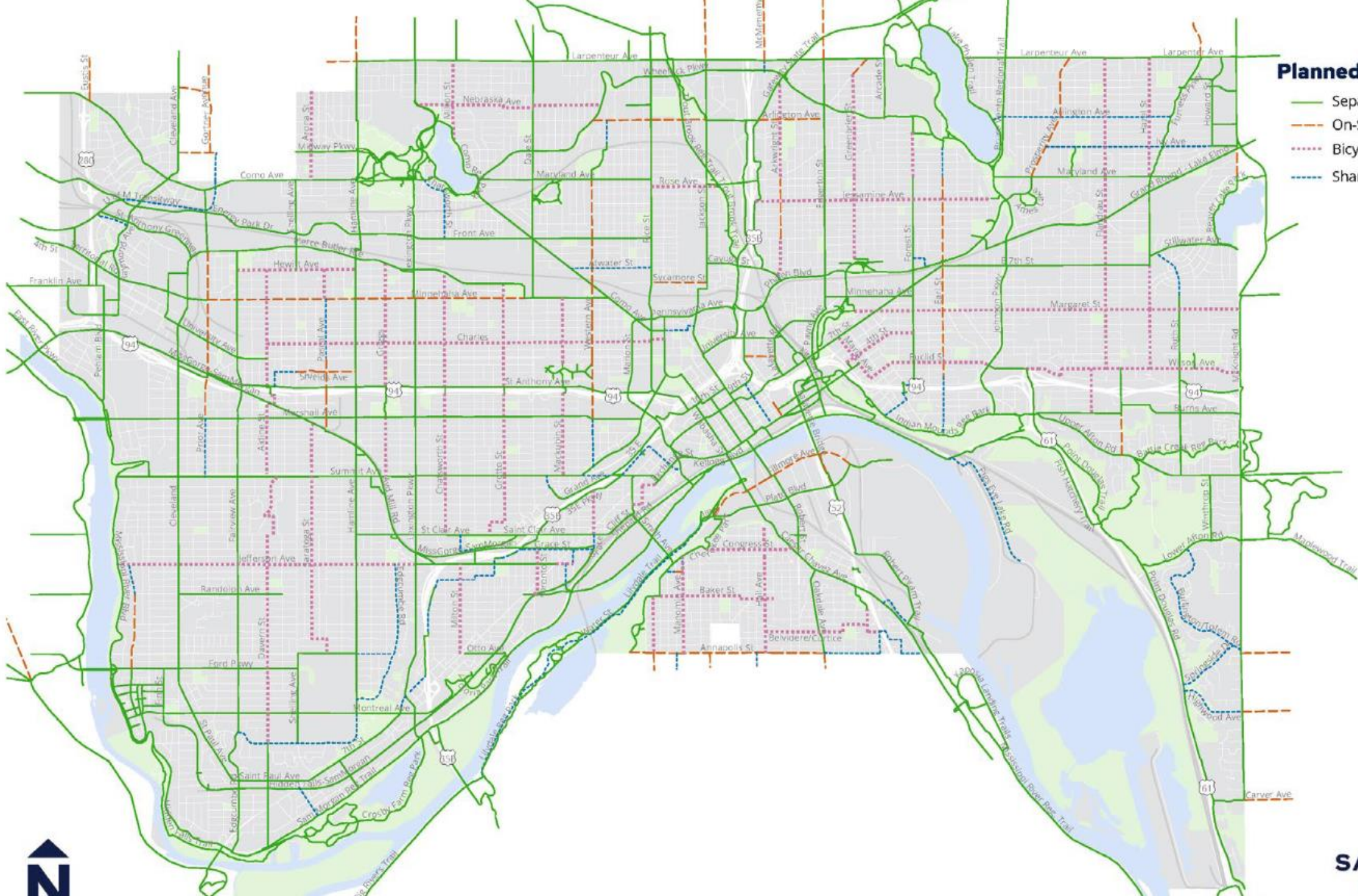
Existing Bicycle Network

- Separated Bikeways & Paths
- - - On-Street Bicycle Lane
- · · Bicycle Boulevard
- - - Shared Lane
- - - Shoulder

(2024, 218 miles)



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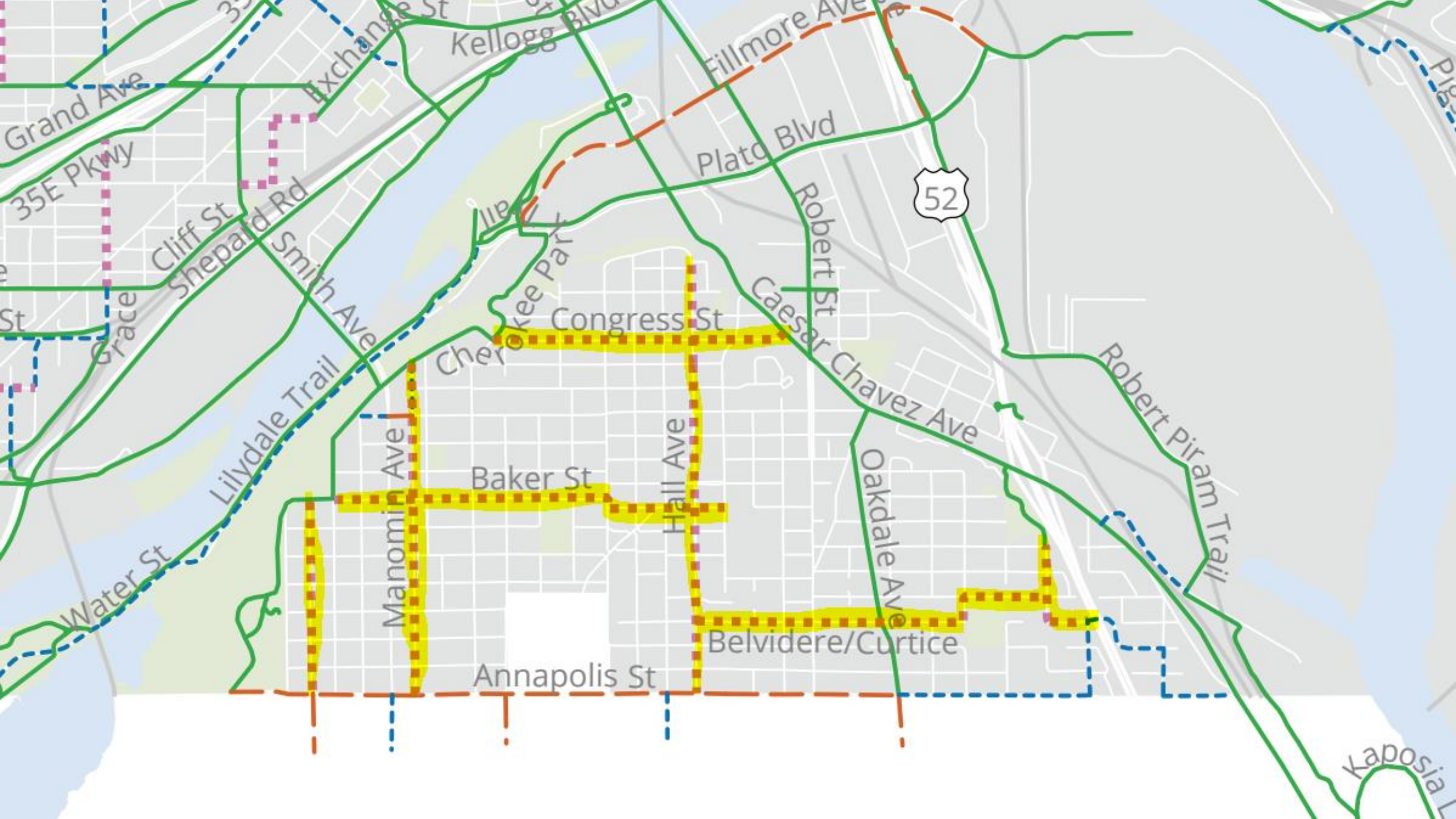


Planned Bicycle Network

- Separated Bikeways & Paths
- - - On-Street Bicycle Lane
- · · Bicycle Boulevard
- - - Shared Lane



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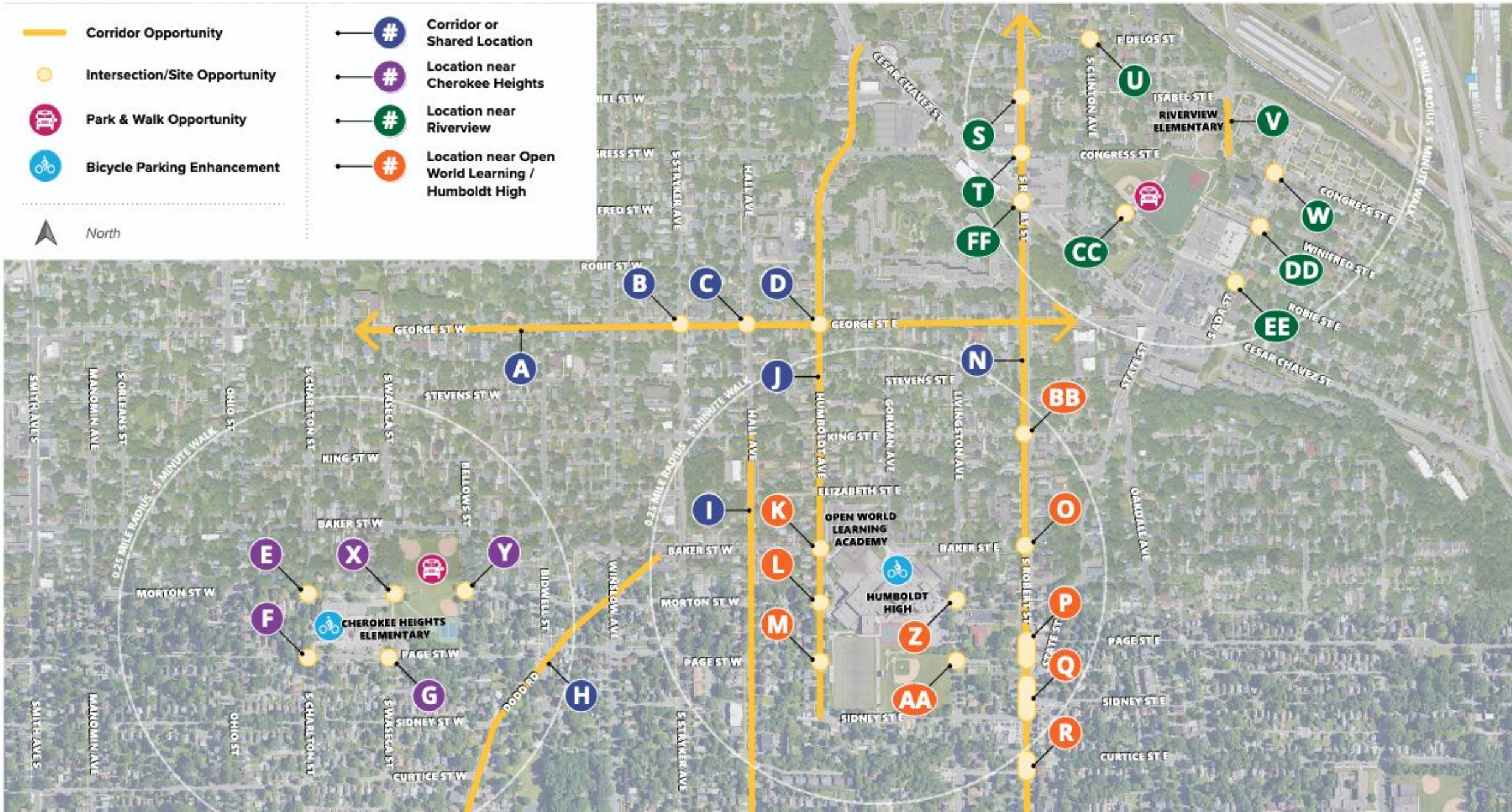
Grand Ave
35E Pkwy
Grace St
Cliff St
Shepard Rd
Exchange St
Kellogg Blvd
Fillmore Ave
Plato Blvd
Robert St
Robert Piram Trail
Oakdale Ave
Annapolis St
Water St
Lillydale Trail
Manomni Ave
Baker St
Hall Ave
Belvidere/Curtice
Cherokee St
Congress St
Caesar Chavez Ave
Robert St
Robert Piram Trail
Kaposia L

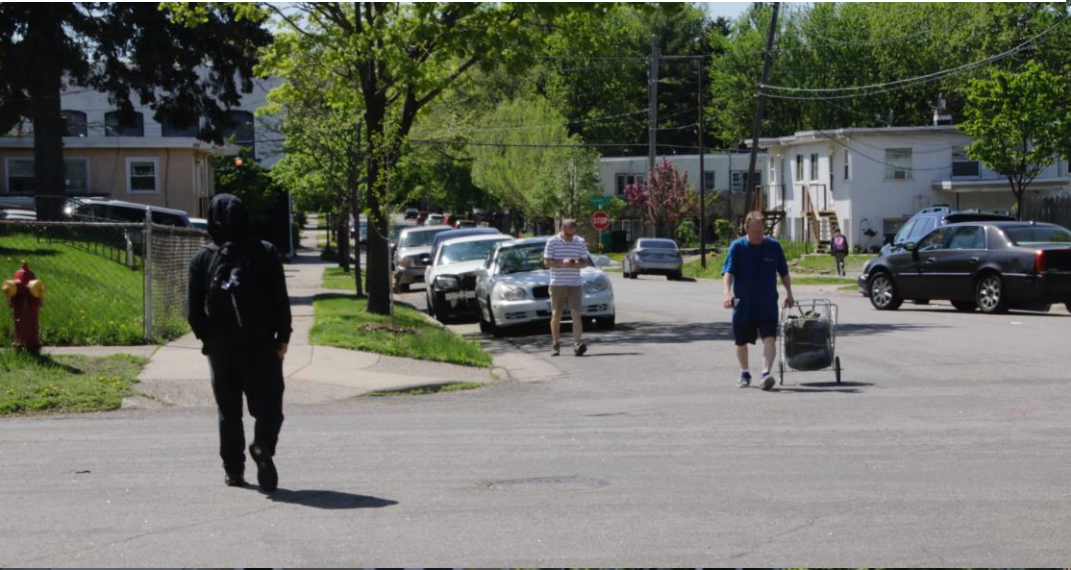
52

West Side Infrastructure Recommendations

-  Corridor Opportunity
-  Intersection/Site Opportunity
-  Park & Walk Opportunity
-  Bicycle Parking Enhancement

-  Corridor or Shared Location
-  Location near Cherokee Heights
-  Location near Riverview
-  Location near Open World Learning / Humboldt High







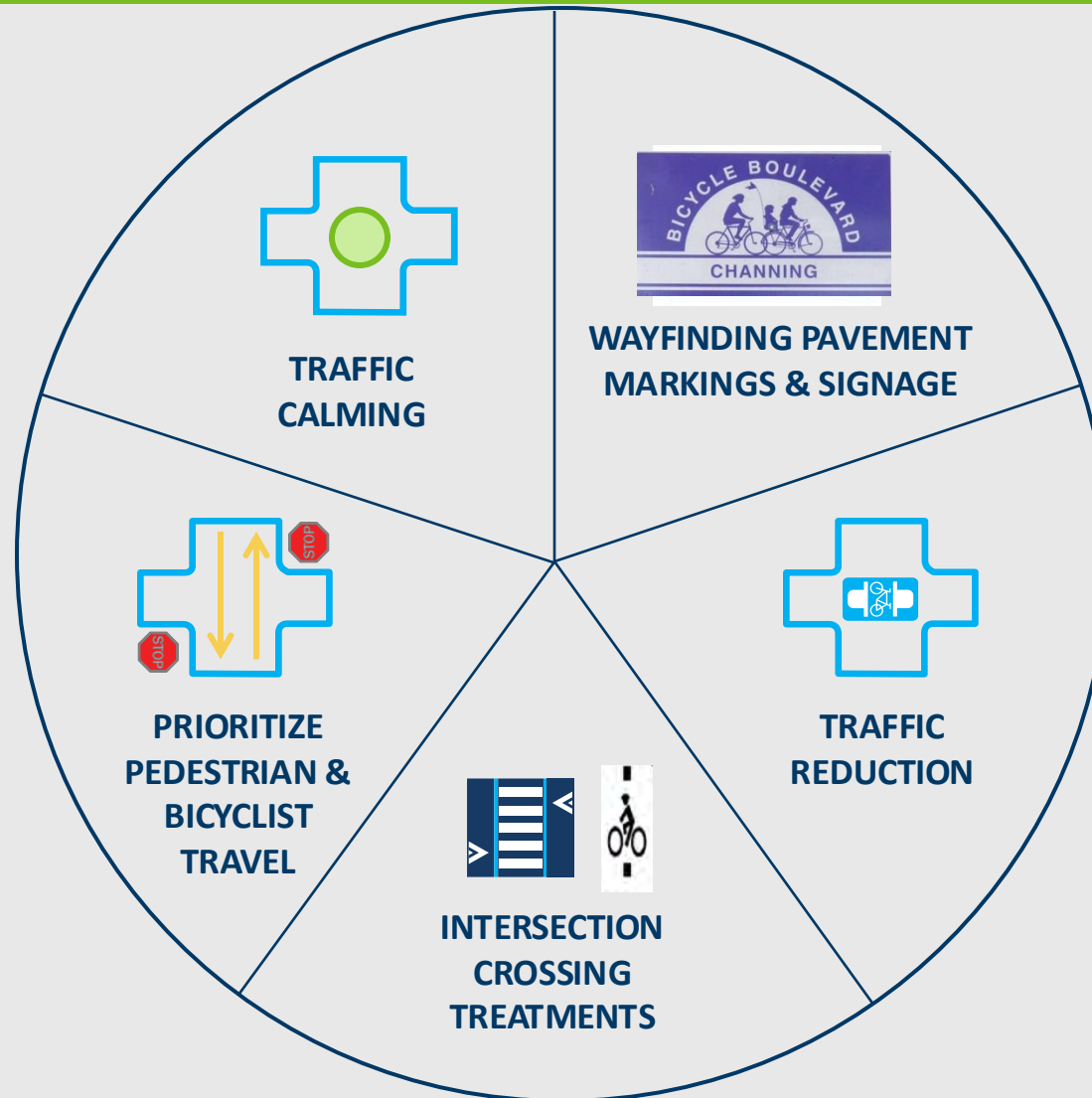
What are Bicycle Boulevards? ¿Qué son los bulevares para bicicletas?



- **Bicycles have priority over cars.**
Bicicletas tienen prioridad sobre los automóviles.
- **Low vehicle speeds. Low stress and direct cycling routes.**
Bajas velocidades de vehículos. Rutas ciclistas de bajo estrés y directas.

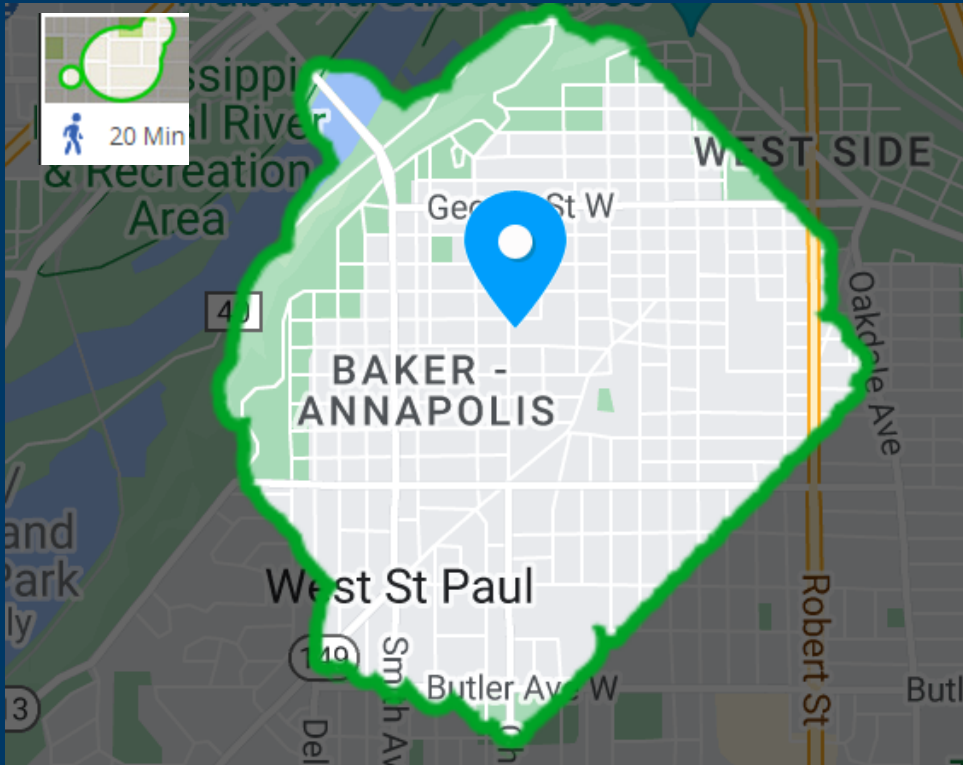


A Mix of Street Treatments | Una mezcla de tratamientos callejeros



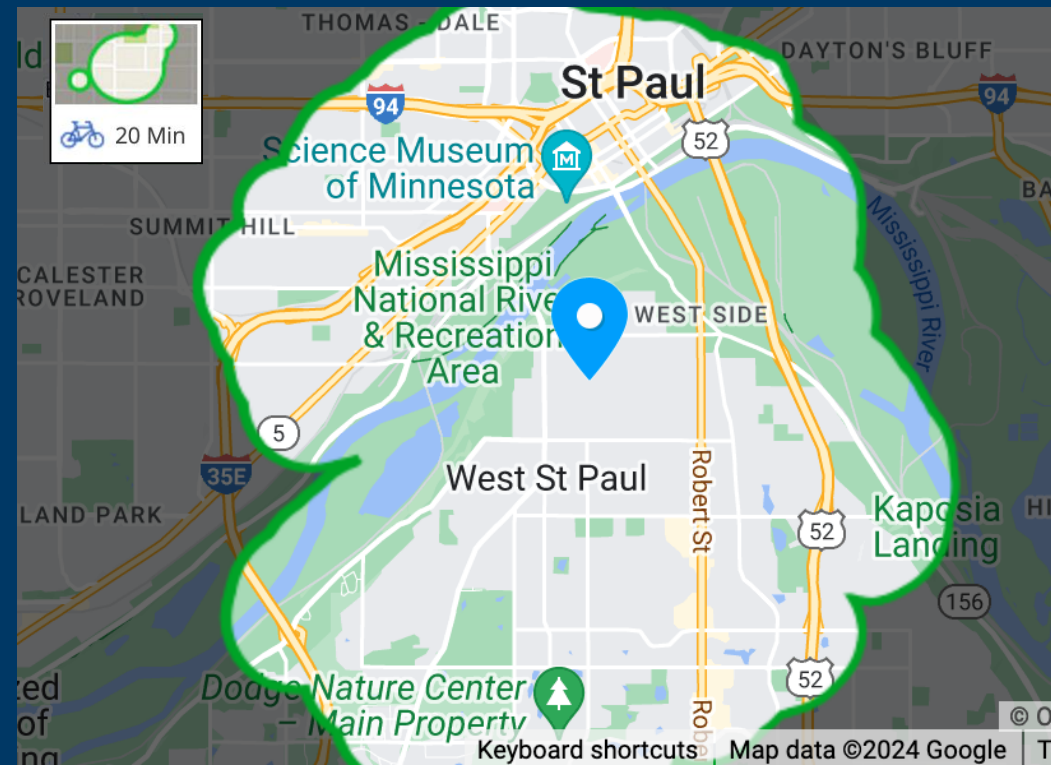
How Far Can You Walk or Bike in 20 Minutes? *¿Qué distancia puede recorrer a pie o en bicicleta en 20 minutos?*

~22% of all car trips are 1 mile or shorter
~22% de todos los viajes en coche son de 1 milla o menos



1 mile = 20-min. walk (3 mph)
1 milla = 20 minutos a pie (3 millas por hora (mph))

~46% of all car trips are 3 miles or shorter
~46% de todos los viajes en coche son de 3 millas o menos



3 miles = 18-20 min. bike (10 mph)
3 millas = 18 minutos en bicicleta (10 mph)

Active Transportation Principles

Propósitos del Transporte Activo

Safety: Do streets provide routes that minimize risk of injury and danger (both traffic and personal security)?

Seguridad: ¿Ofrecen las calles rutas que minimizan el riesgo de lesiones y peligro (tanto de tráfico como de seguridad personal)?



Active Transportation Principles

Propósitos del Transporte Activo

8:00 AM
6:00 PM
MON - SAT
PERMITS
EXCEPTED

LIMIT
15
MILES PER HOUR
BIRCHROCK

Comfort: Do streets appeal to a broad range of age and ability levels? Are there amenities like places to sit or ways to be protected from weather?

Bienestar: ¿Atraen las calles a personas de todas las edades y niveles de habilidad? ¿Hay lugares para sentarse o protegerse de las inclemencias del clima?



Active Transportation Principles

Propósitos del Transporte Activo



Not Coherent | *No Coherente*



Coherent | *Coherente*

Cohesion: How connected, seamless, and easy to navigate are streets?

Coherencia: ¿Cuán conectadas, fluidas y fáciles de navegar son las calles?

Active Transportation Principles

Propósitos del Transporte Activo

Directness: Do streets provide direct and convenient access to destinations?

Directo: ¿Proporcionan las calles un acceso directo y cómodo a los destinos?



Active Transportation Principles

Propósitos del Transporte Activo



Attractiveness: Are streets green, well maintained, quiet, and/or celebrate local art and culture?

Belleza: ¿Están las calles verdes, bien cuidadas, tranquilas y/o celebran el arte y la cultura locales?

The "8-Year Old" | *El "niño de 8 años"*



Safety | Seguridad

Comfort | Bienestar

Coherence | Coherencia

Directness | Inmediatez

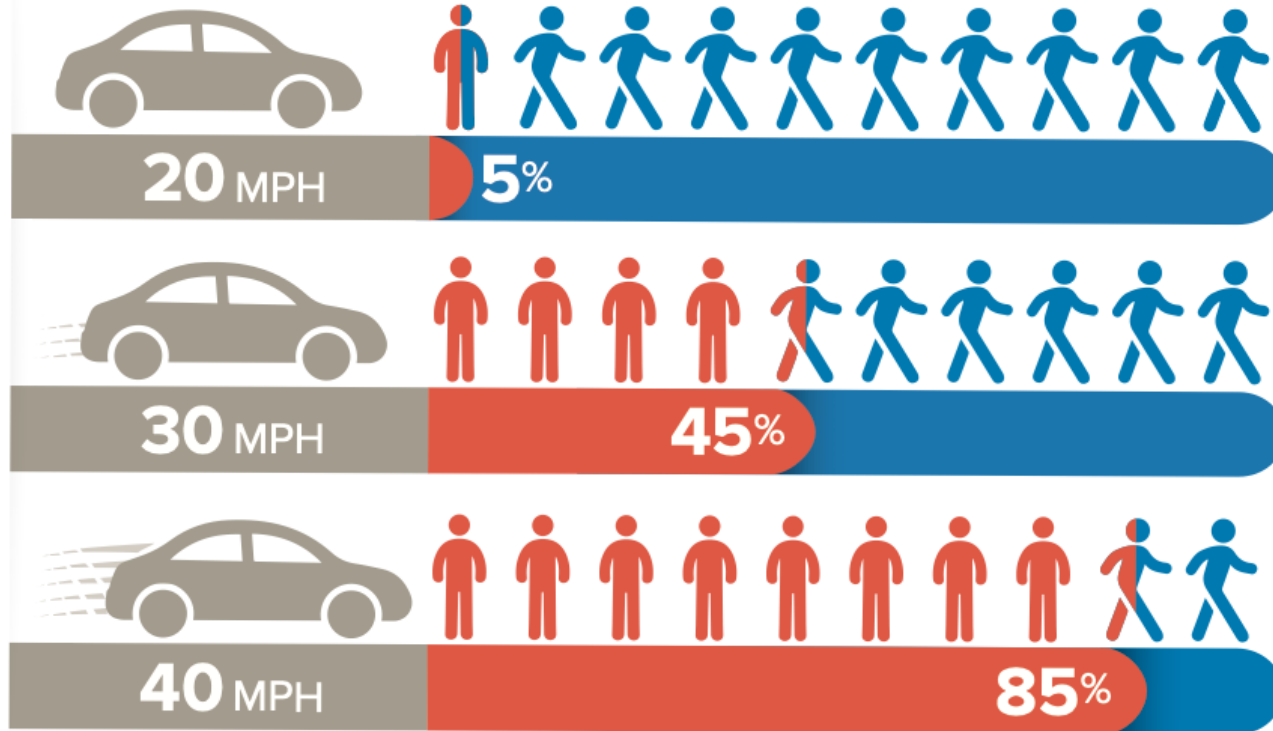
Attractiveness | Atrayente

Speed Matters to People & Place | *La velocidad es importante para las personas y el lugar*

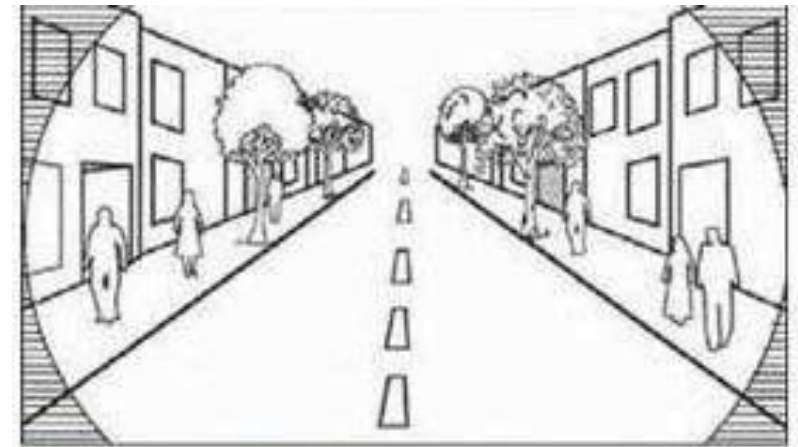
Si es atropellado por un coche que circula:

If hit by a car traveling:

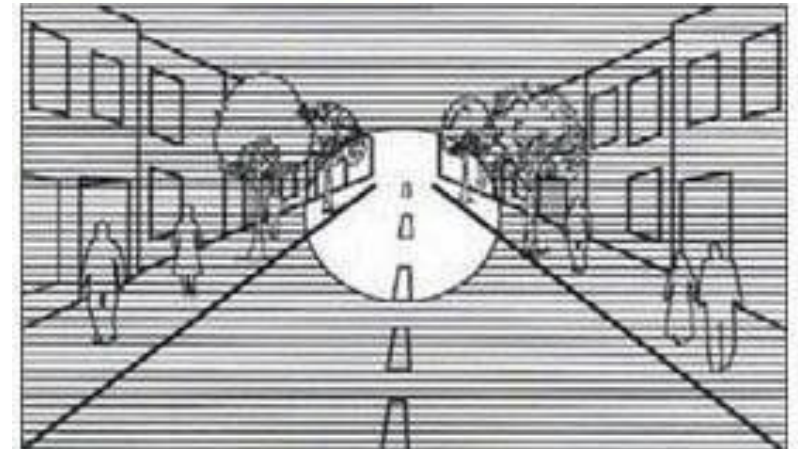
● Fatality Mortalidad ● Person survives collision La persona sobrevive a la colisión.



National Traffic Safety Board (2017) Reducing Speeding-Related Crashes Involving Passenger Vehicles. Available from: <https://www.nts.gov/safety/safety-studies/Documents/SS1701.pdf>



Field of vision at 15 MPH Campo de visión a 15 mph



Field of vision at 30 to 40 MPH Campo de visión a 30 o 40 mph

Mix below 20 mph

Separate and protect above 20 mph

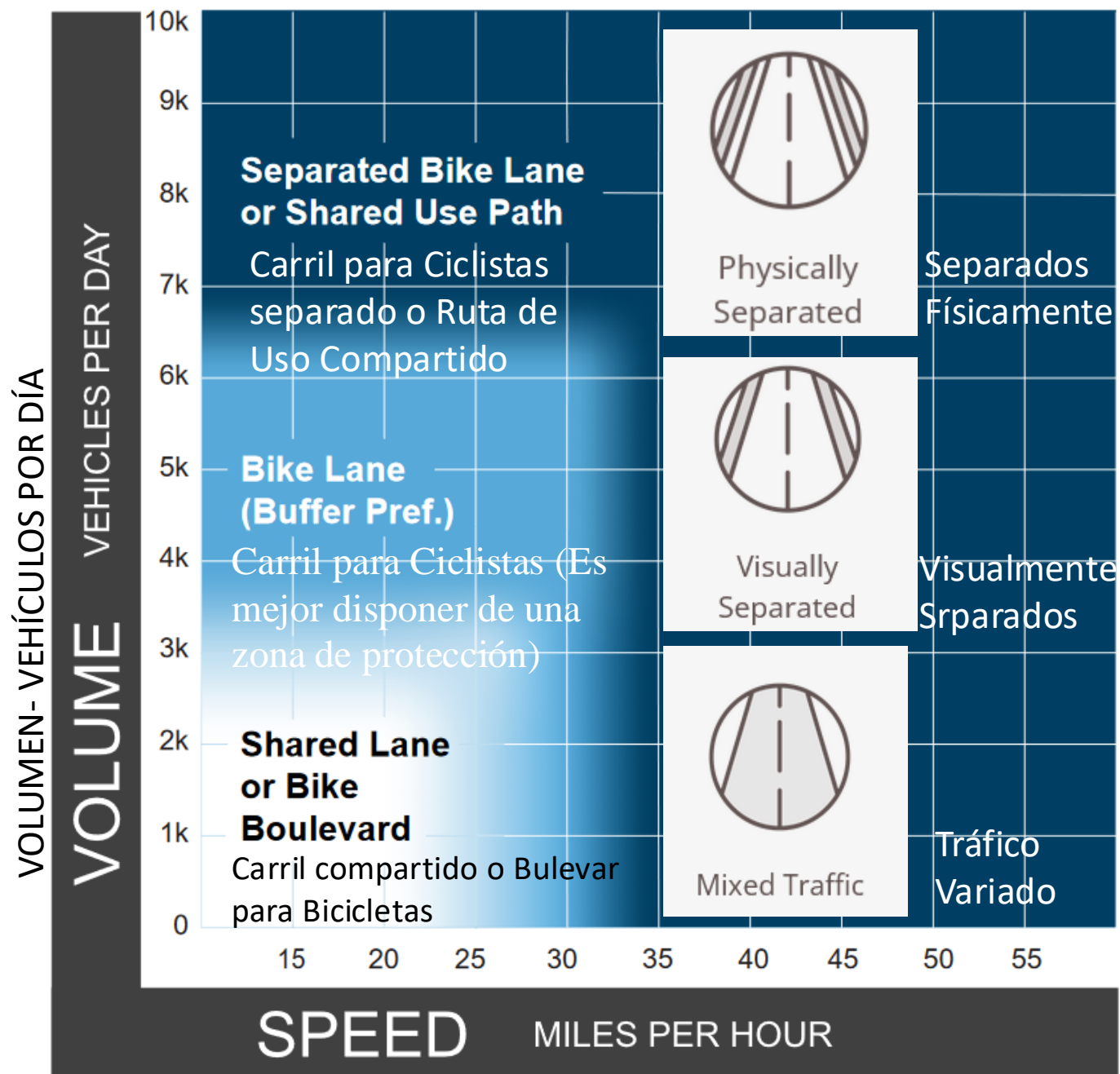
Por debajo de 20 mph, fusionar

Por encima de 20 mph, separar y proteger

Safe System Approach | *Enfoque del Sistema de Seguridad*

The greater the speed,
the greater the physical
separation needed

*Cuanto mayor sea la
velocidad, mayor será la
separación física
necesaria*

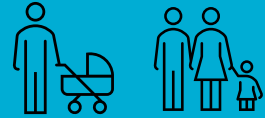
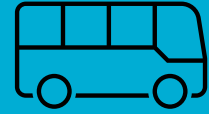
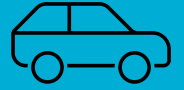
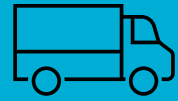


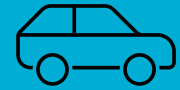
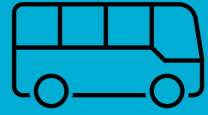
Notes

1 Chart assumes operating speeds are similar to posted speeds. If they differ, use operating speed rather than posted speed.

20 mph is Plenty | 20 mph es Suficiente







Neighborhood Traffic Calming

Calmar el Tráfico Vecindario



Control Speeds at Intersection

Control de la Velocidad en las Intersecciones



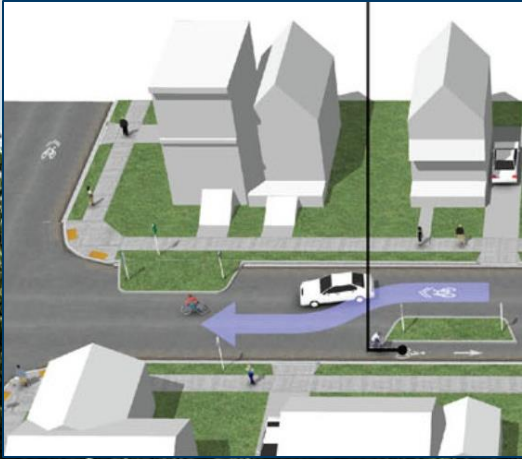
Control Speeds at Intersection

Control de la Velocidad en las Intersecciones



Control Speeds

Control de la Velocidad



Bicycle Priority

Bicicletas Prioridad

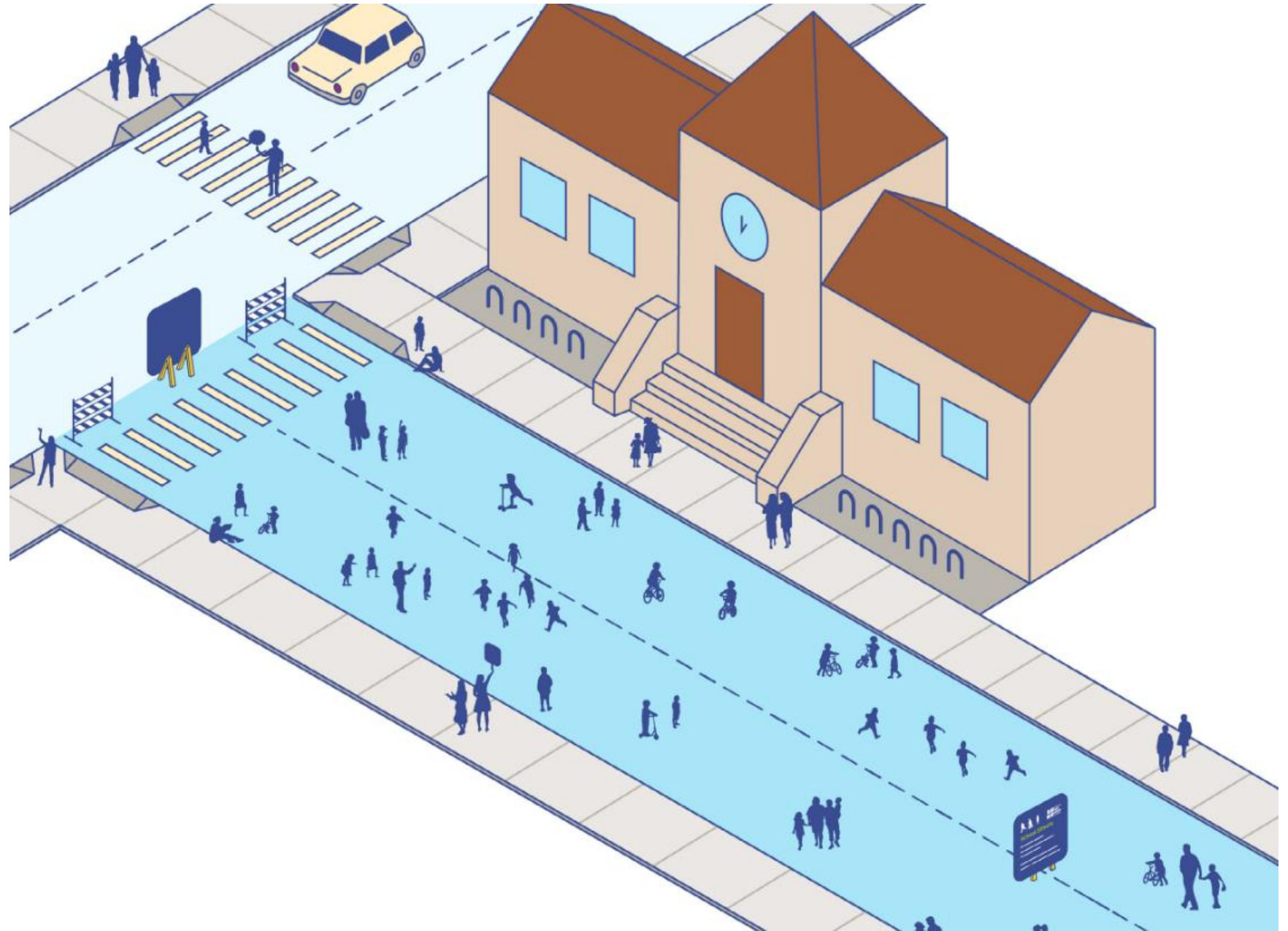


Play Street *Jugar en la Calle*



School Streets

Calles de las Escuelas



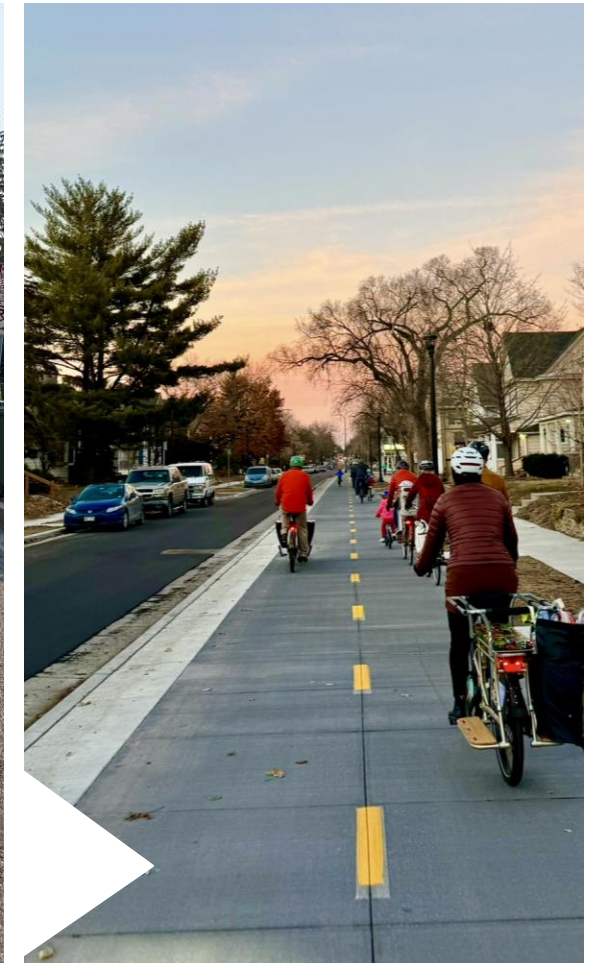
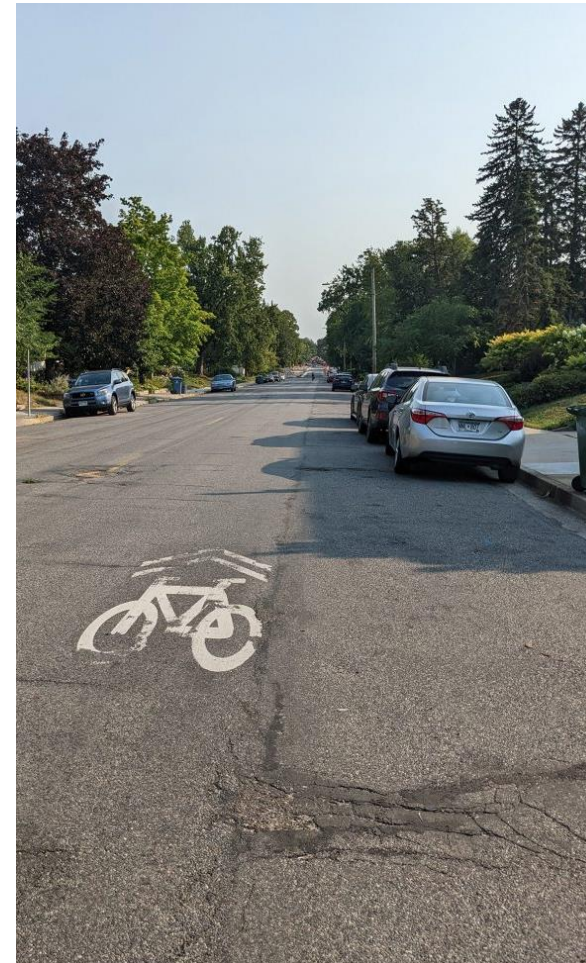
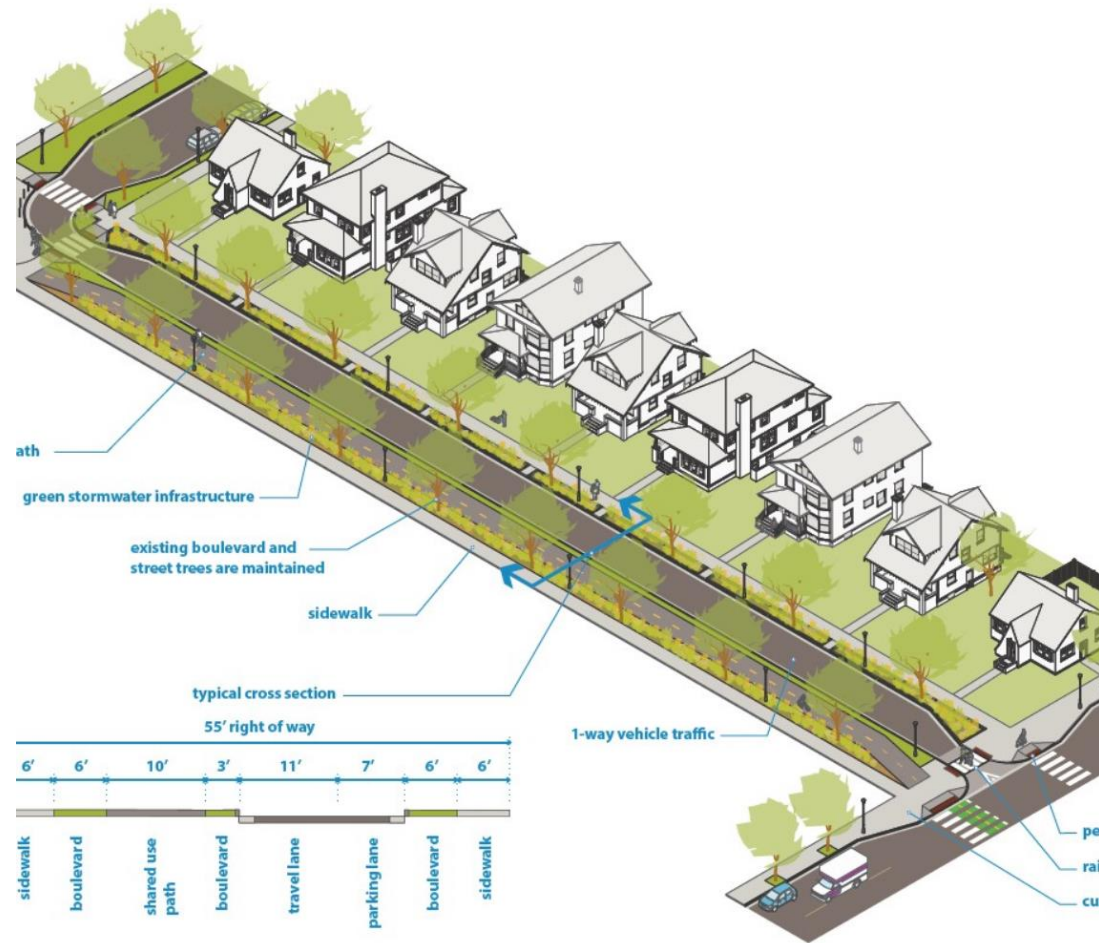
Bicycle Boulevard, Shared with Motor Vehicle Traffic



Source: Minneapolis streets illustrated

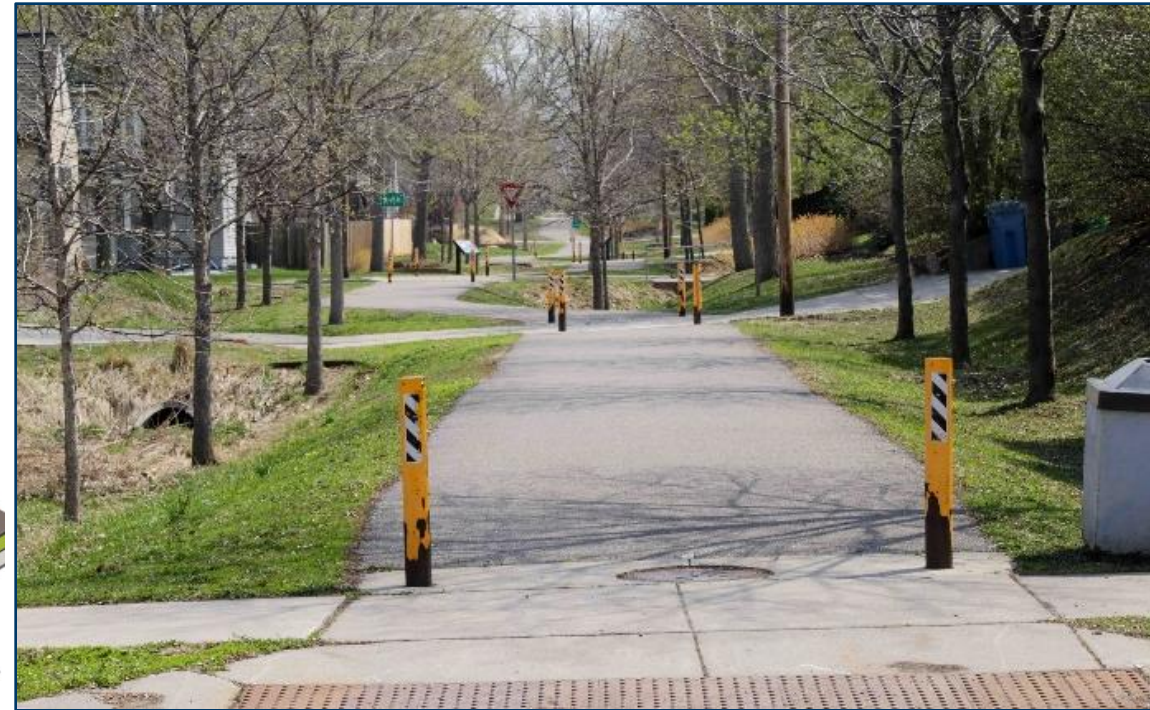
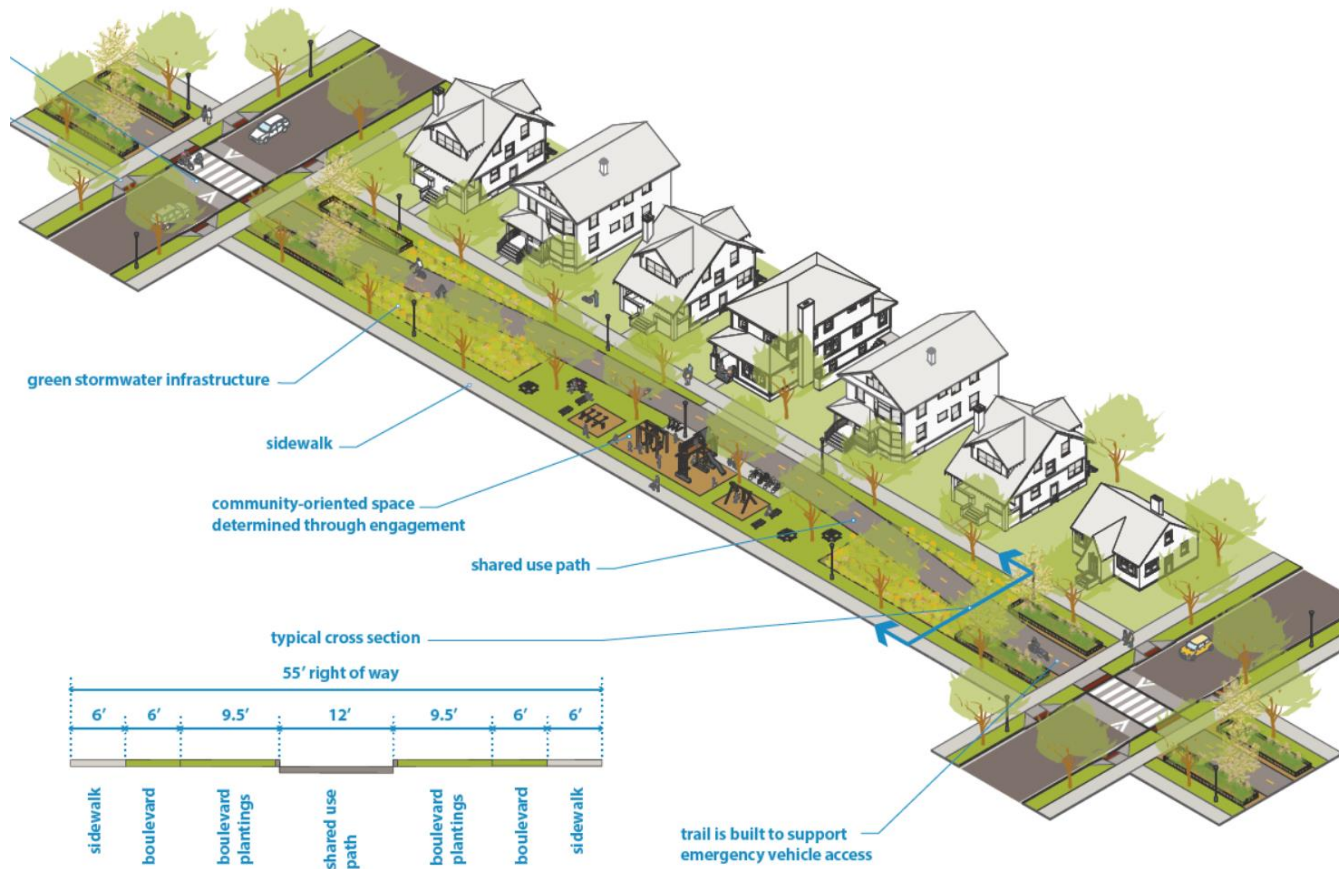


Neighborhood Greenway, Separate with One-Way Motor Vehicle Traffic



Source: Minneapolis streets illustrated

Neighborhood Greenway, Bike-Ped Only, Closed to Motor Vehicle Traffic



Source: Minneapolis streets illustrated

Quick Build Projects: Leverage and Build Momentum. Test Ideas & Materials.
El poder de los proyectos de construcción rápida: Aprovechar y Crear Impulso.
Probar Ideas y Materiales.



What Can We Draw Inspiration From? | Minneapolis, MN



New Ulm, MN

Before



New Ulm, MN

After



Duluth, MN

Before



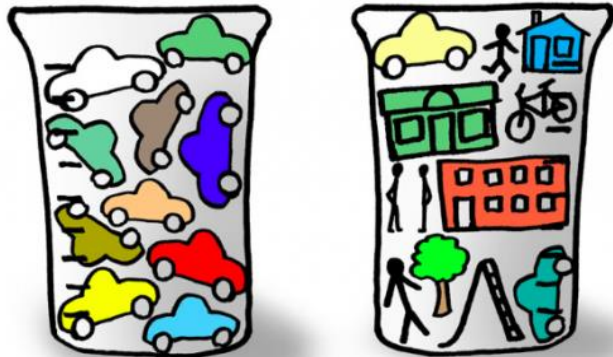
Duluth, MN

After



**IT'S ALL ABOUT
PRIORITIES**
*TUDO ES CUESTIÓN DE
PRIORIDADES*

"Potencial" de la calle



"Capacity" of a Street

Lockwood



WRITE OR DRAW!

¡Escriba o Dibuje!

What does a safe, comfortable and inviting street look like to walk, bike, roll for everyone in our community?

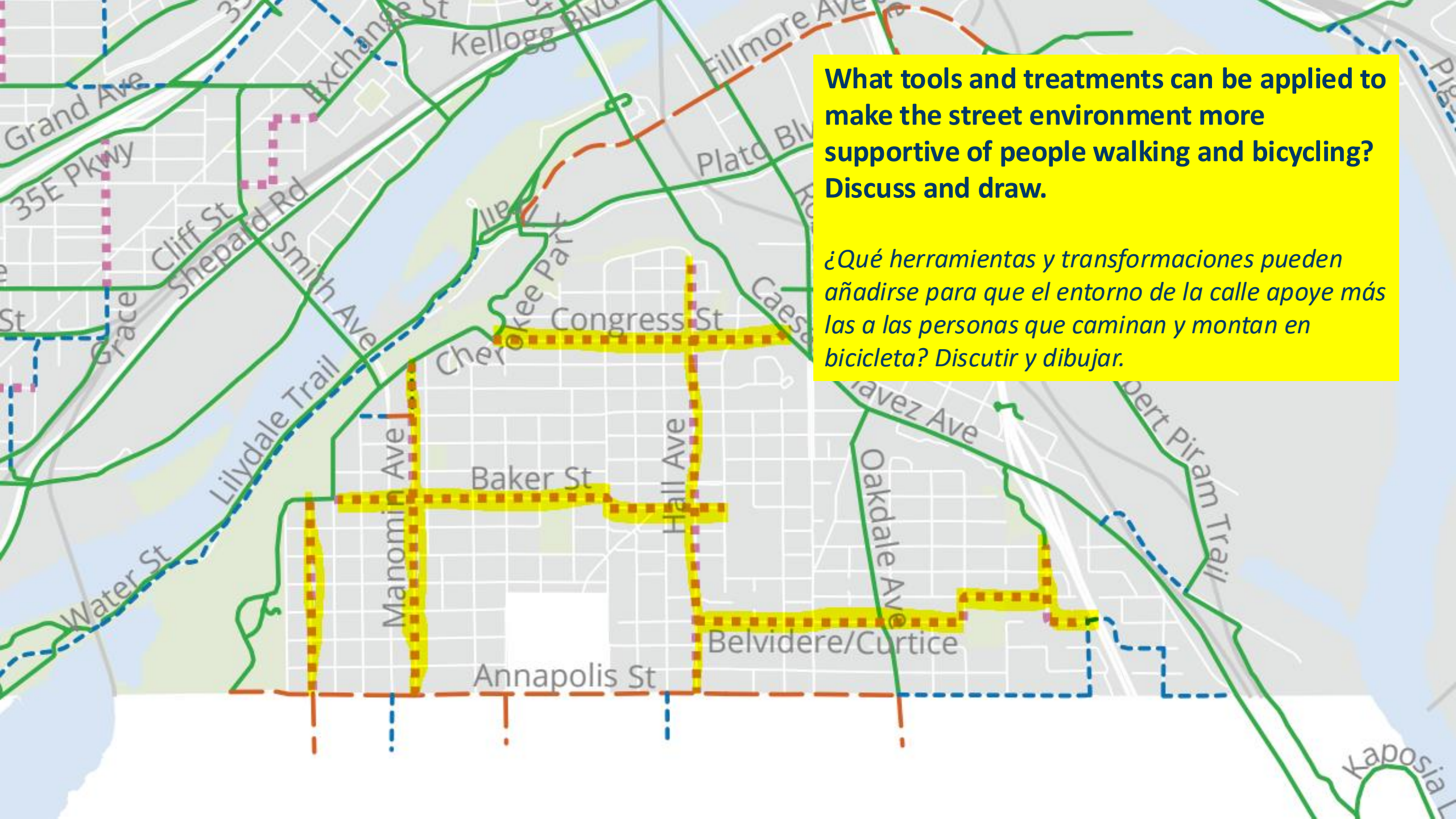
¿Qué aspecto tiene de calles segura, cómoda y agradable para caminar, ir en bicicleta y andar sobre ruedas para todos los?



A scenic view of a park with a paved path, green grass, trees, and a bridge in the background. The path leads through a lush green area with many trees. In the distance, a large bridge with two tall towers is visible. The overall atmosphere is bright and sunny.

Let's Discuss & Draw

SMALL GROUPS



What tools and treatments can be applied to make the street environment more supportive of people walking and bicycling? Discuss and draw.

¿Qué herramientas y transformaciones pueden añadirse para que el entorno de la calle apoye más las a las personas que caminan y montan en bicicleta? Discutir y dibujar.