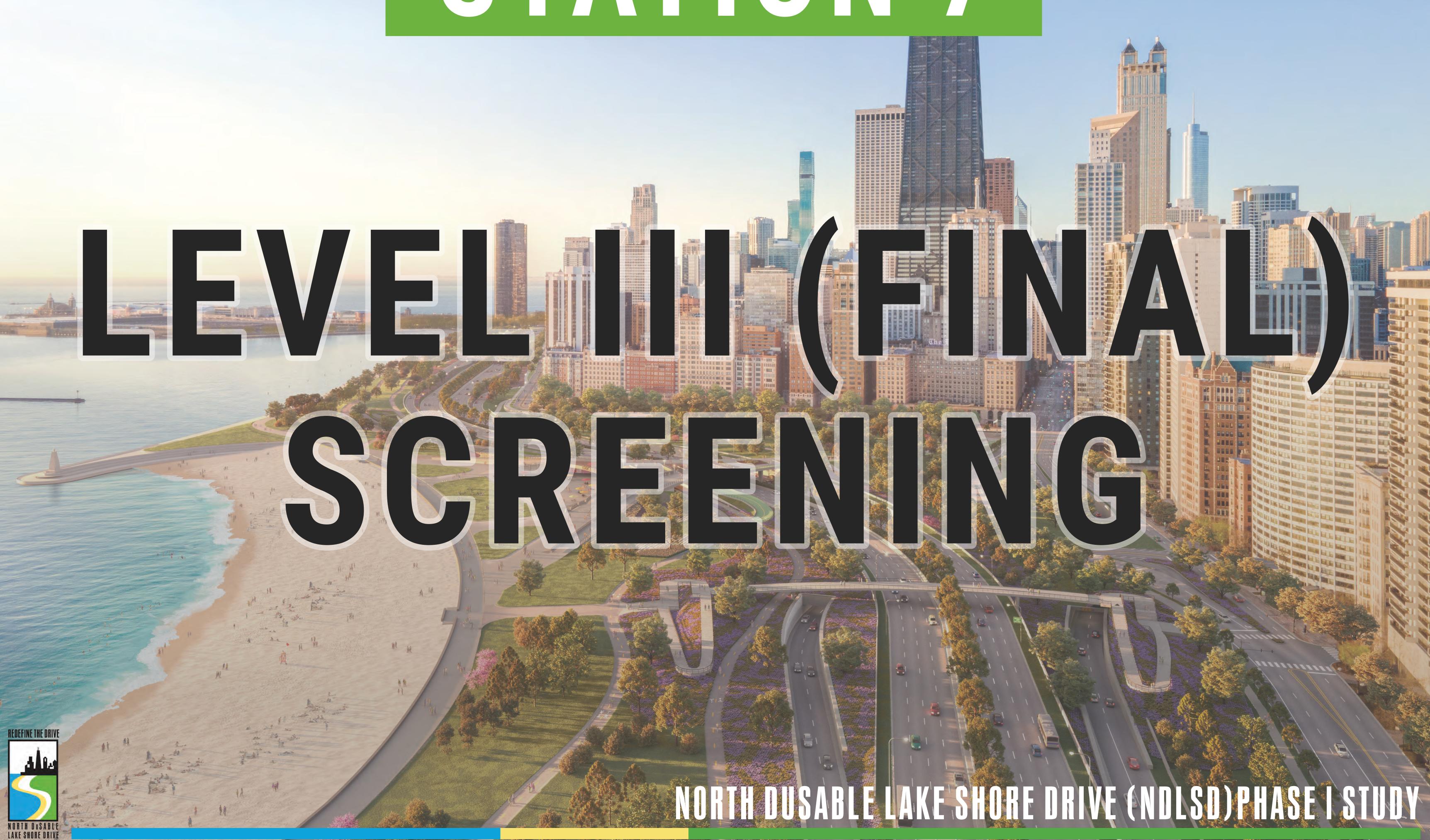
STATION 7



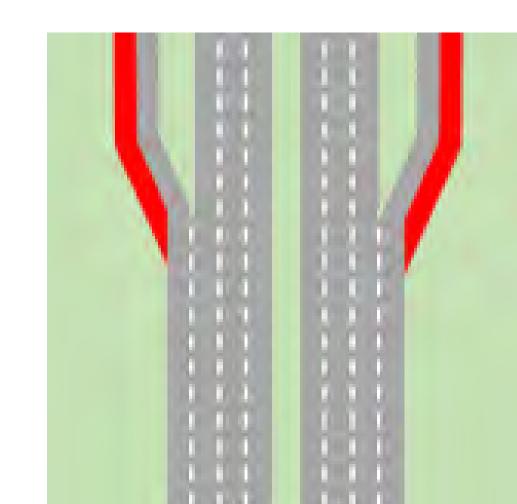




NDLSD FINALIST ALTERNATIVES

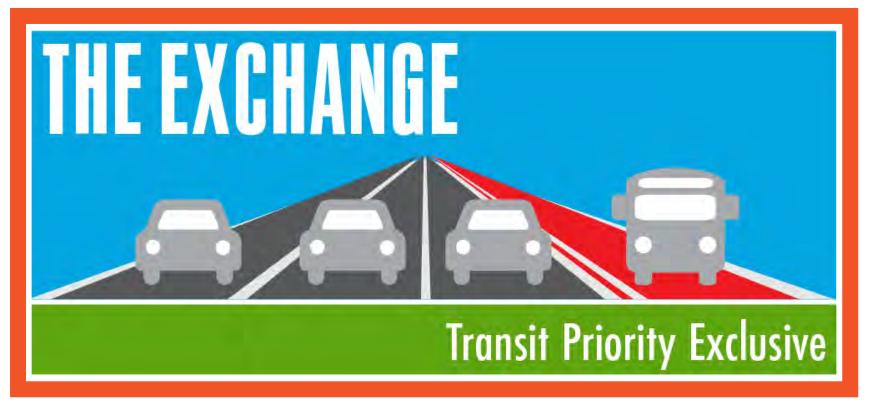
Bus only lanes on ramps



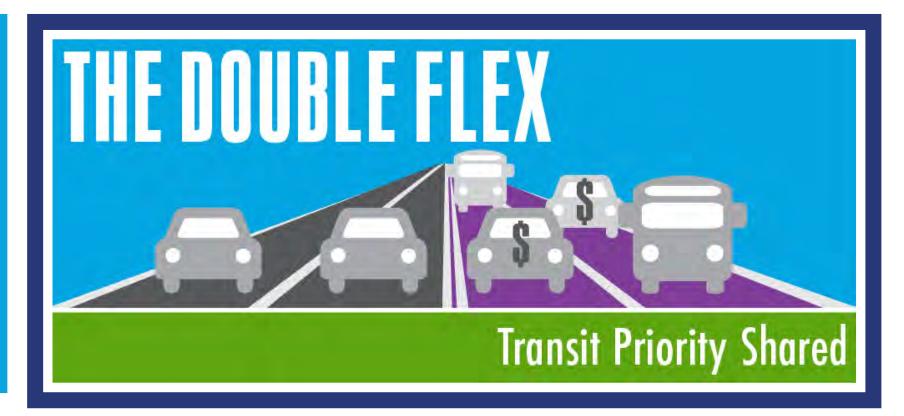


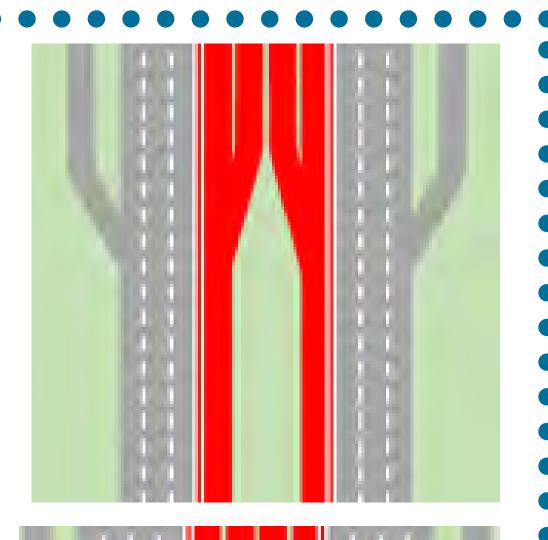
Park

Bus Lane



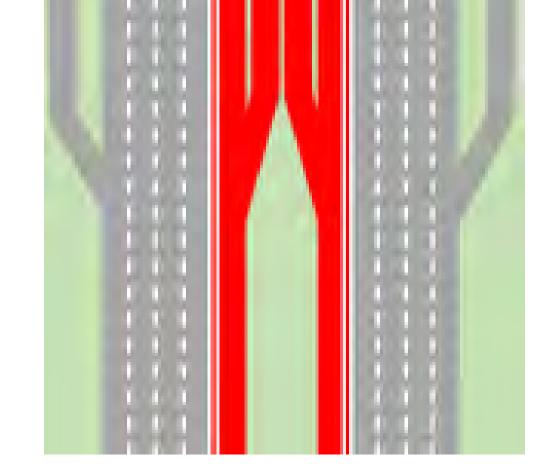






Center median access ramps







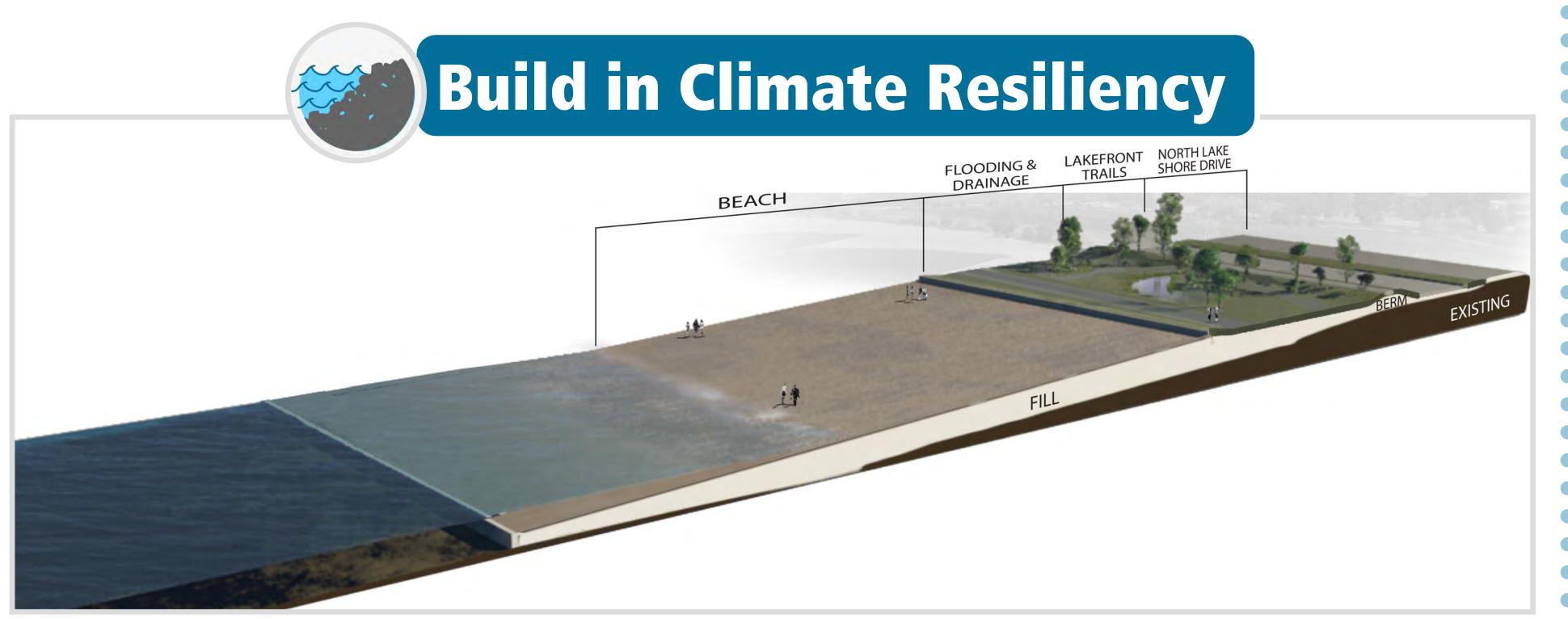
COMMON IMPROVEMENTS TO ALL ALTERNATIVES











Essential Addition

Exchange

Flex

Double Flex



DISTINGUISHING VS. NON-DISTINGUISHING CRITERIA

Criteria	Distinguishing	Non-Distinguishing	
Performance	Transit MobilityTransit ReliabilityVehicular Mobility	 Person Throughput Transit Mode Share Arterial Volume Change NDLSD Volume Change 	Bicycle / Pedestrian SafetyOuter Drive SafetyFuture Flexibility
Social		Environmental JusticeEquityParking Impacts	 Pedestrian / Bicyclist Experience Local Plans Displacements / Right-of-Way
\$ Economic		Construction CostAccess to Employment	· Funding / Financing
Environmental	 Viewshed Impacts Green Space/Footprint: Net Changes 	 Historic Features (Section 106) Recreation Features (Section 4(f)) Air Quality Traffic Noise Water Quality Shoreline Protection Waters of the US (WOUS) 	 Green Space/Footprint: Quality of Spaces Impervious Surface Areas Natural Resources - Trees Natural Resources - Species Climate Change/Climate Resiliency Reasonably Foreseeable Effects

MOBILITY RESULTS

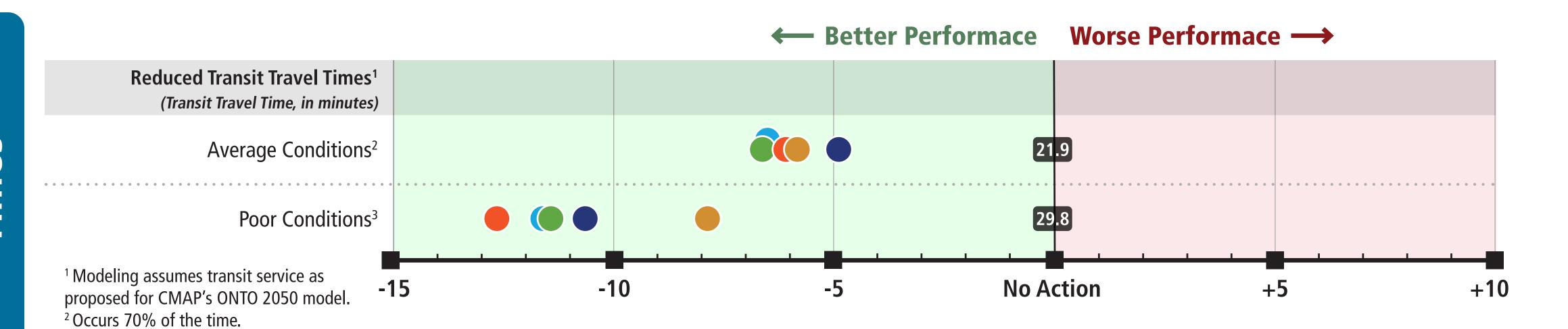
Change in Minutes compared to No Action

Change in Minutes compared to No Action



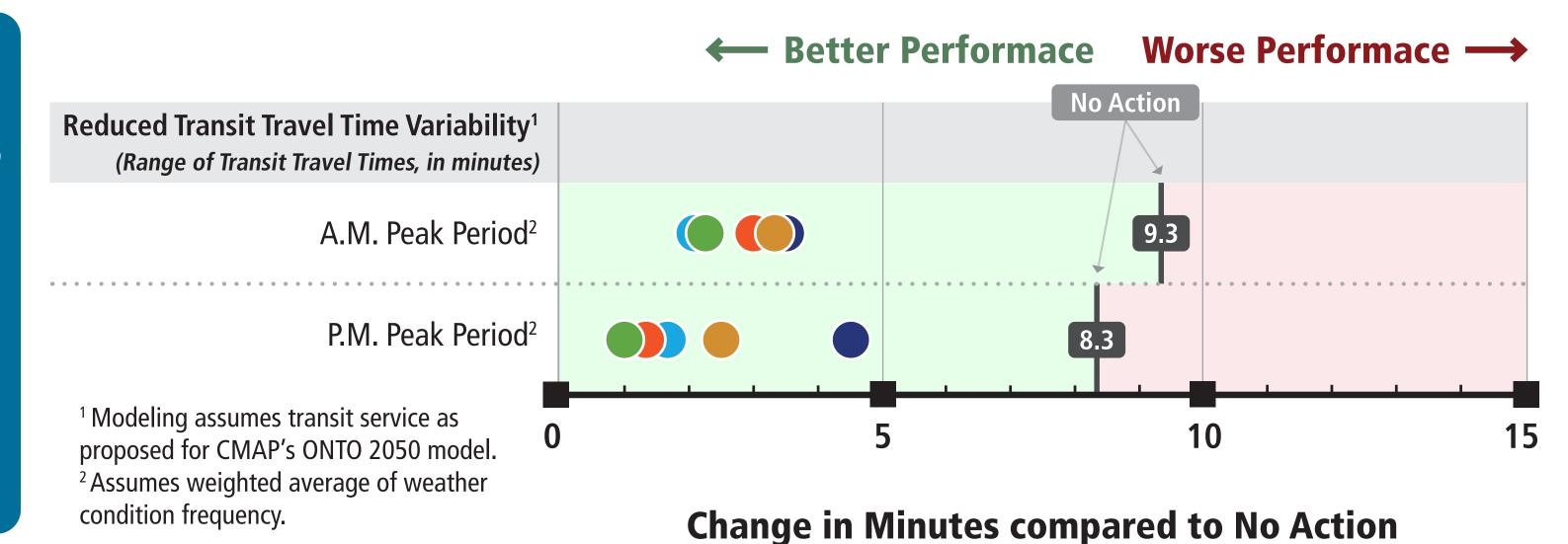
³ Occurs 30% of the time.

³ Occurs 30% of the time.



All alternatives improve transit travel times by 7 to 9 minutes during the average rush hour.

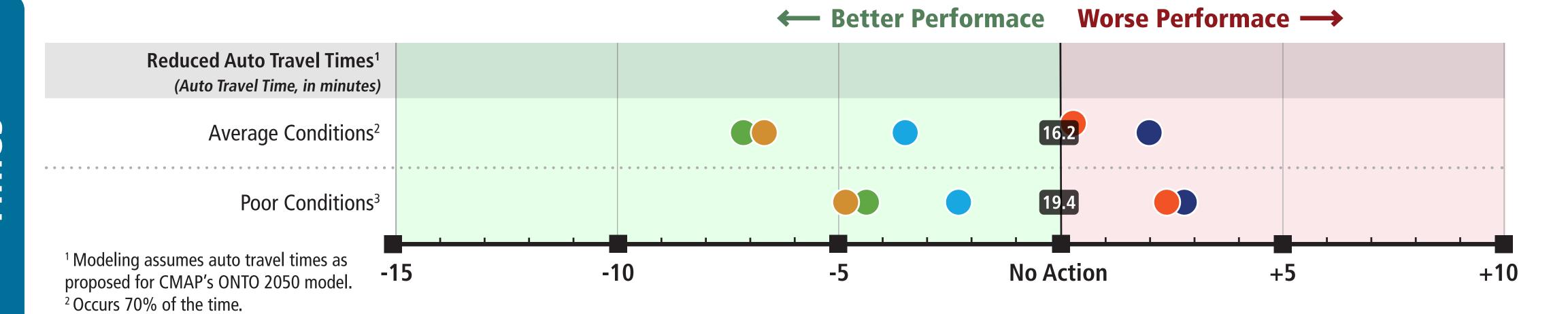
Transit Variability



Regardless of how transit capacity is increased, all alternatives improve mobility and reliability.



uto Travel Times



Exchange and Double Flex Alternatives worsen auto performance.

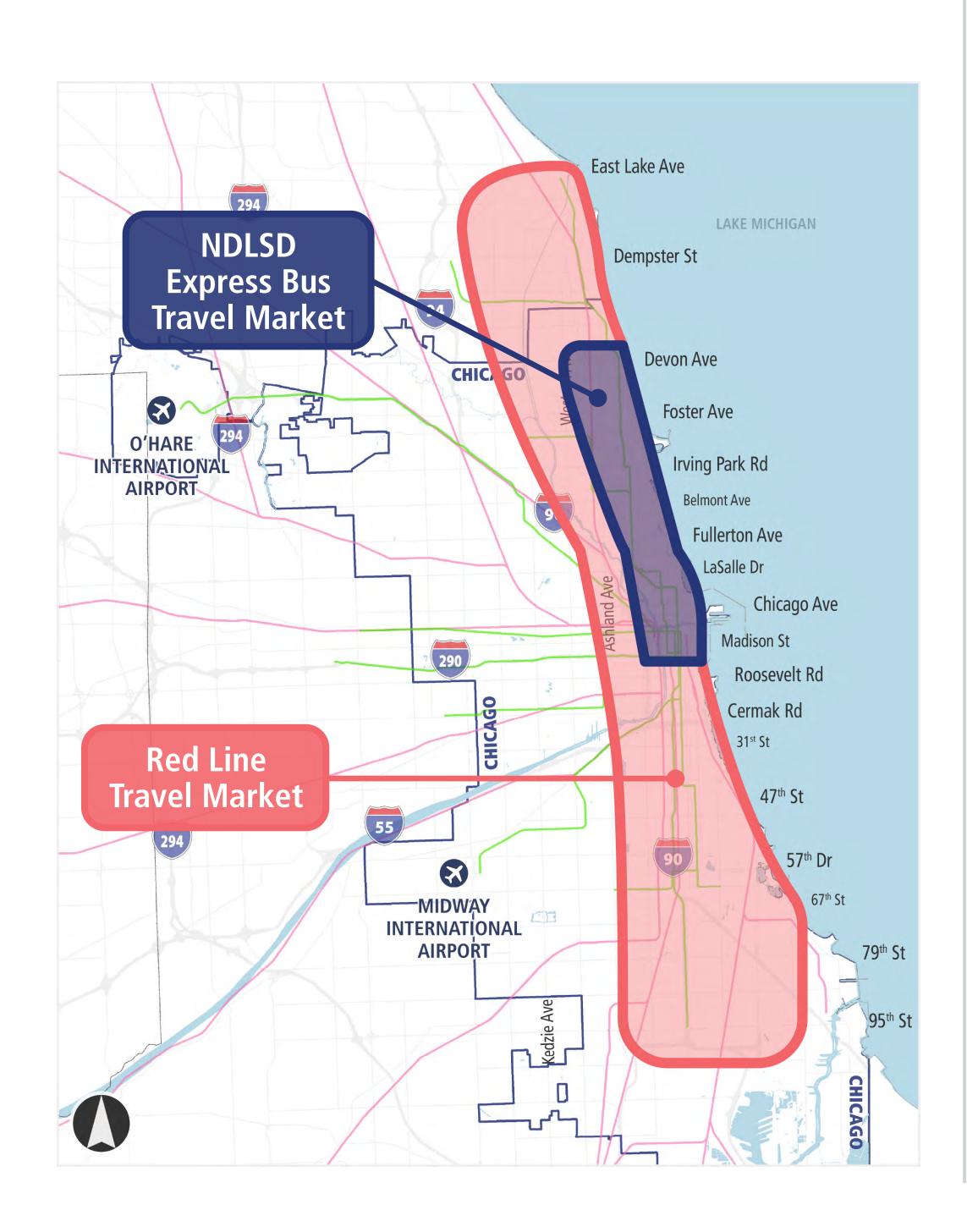




TRAVEL MARKET GEOGRAPHIES

Observation #1

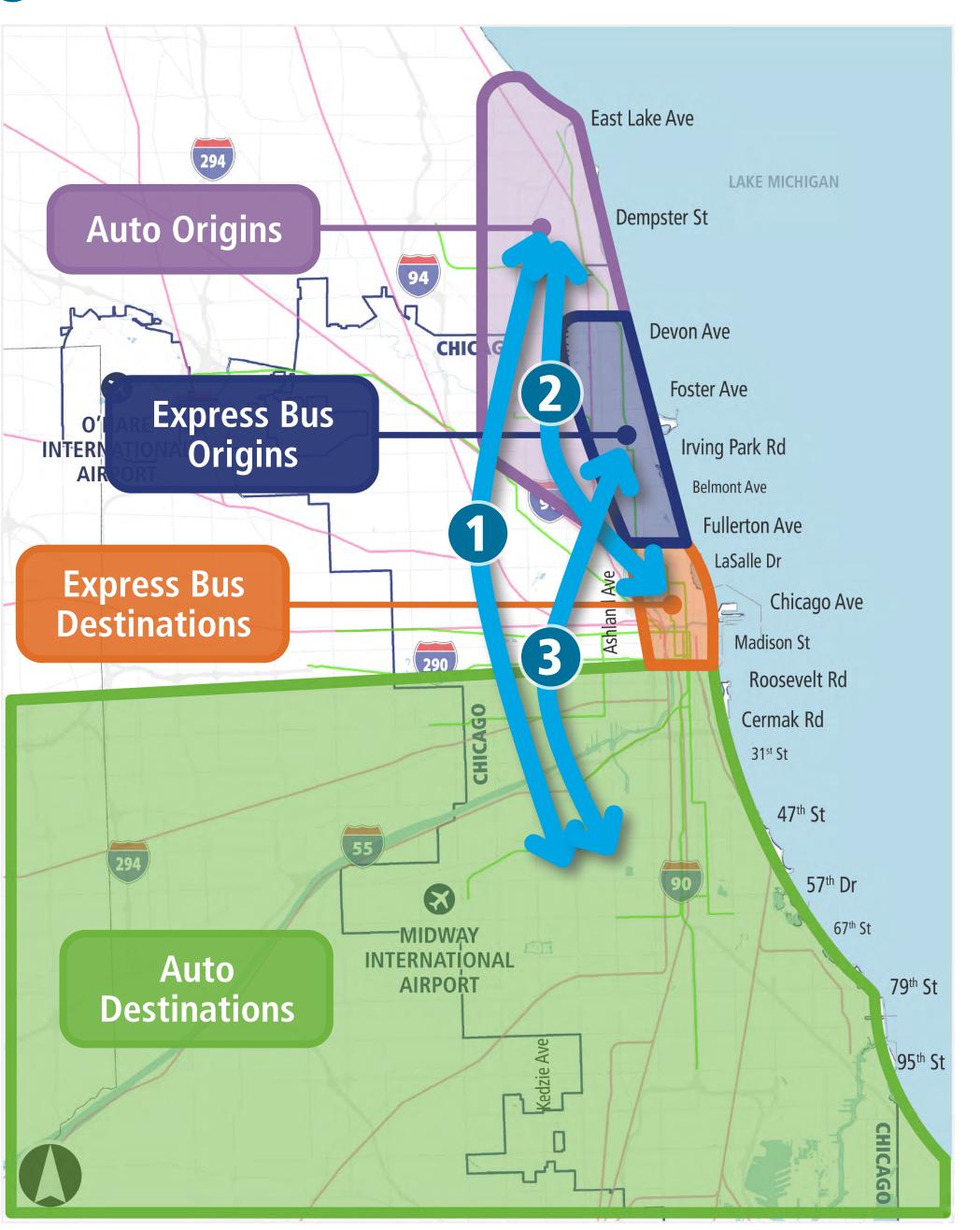
When NDLSD express bus performance improves, riders attracted away from CTA Red line and vice versa.



Observation #2

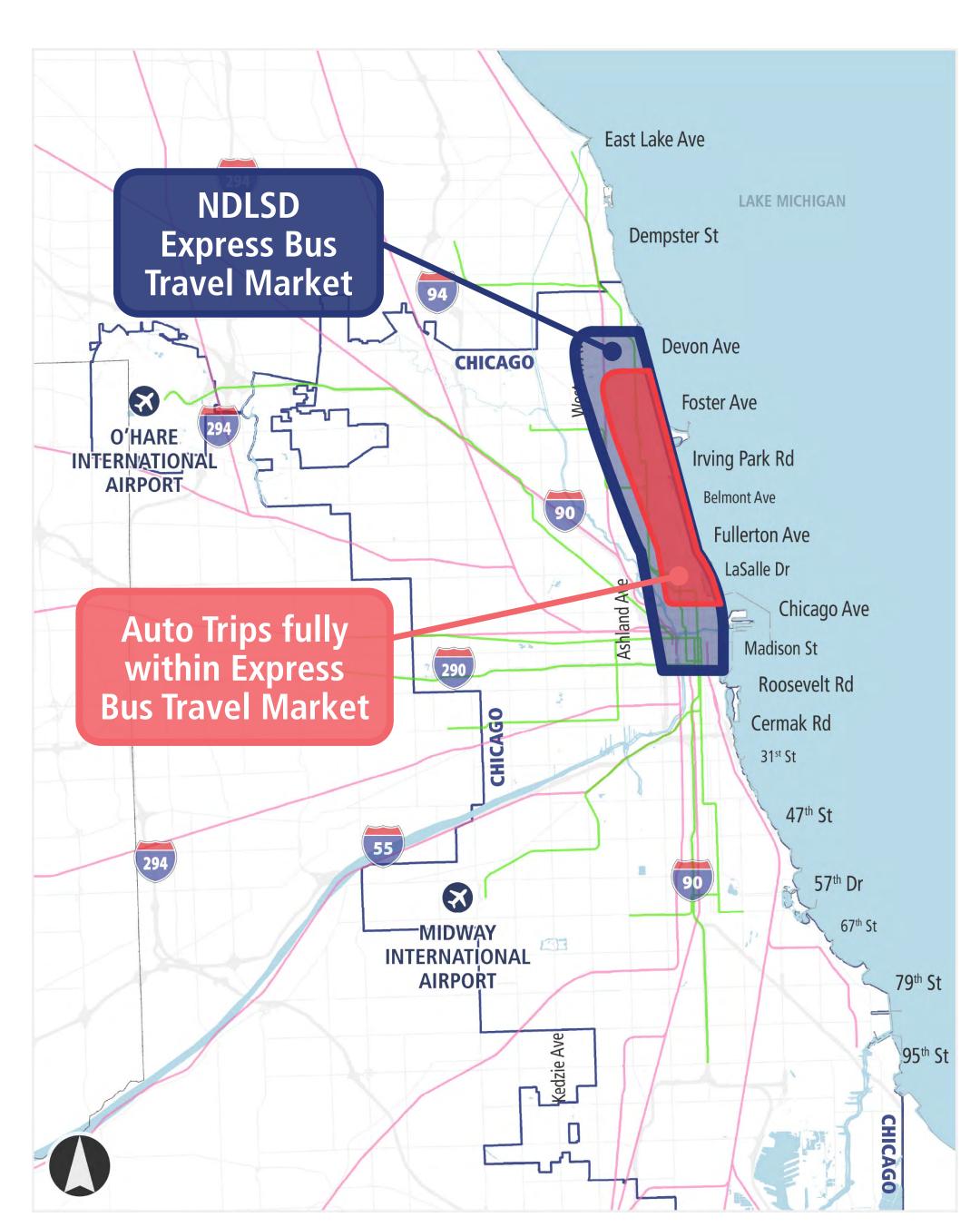
About two thirds of auto trips that use NDLSD have either/or:

- 1 Origins and destinations **outside** the express bus travel market
- 2 Origins **outside**, destinations inside the express bus market
- 3 Origins inside and destinations outside the express bus market



Observation #3

Areas served by NDLSD express buses have high express bus mode share (about 75%), leaving few trips to switch modes based on future express bus performance.





GREEN SPACE RESULTS



Existing / No Action

Transportation	Green Space	
174	1,067	

Transportation	Green Space
174	1,067

Transportation	Green Space	
174	1,067	

Proposed <u>inside</u> existing Lincoln Park		
Proposed lakefill in Lake Michigan		
Total Proposed		
Net Change		

Essential				
1,069				
101				
1,170				
+103				

Addition		
193	1,048	
20	102	
213	1,150	
+39	+83	

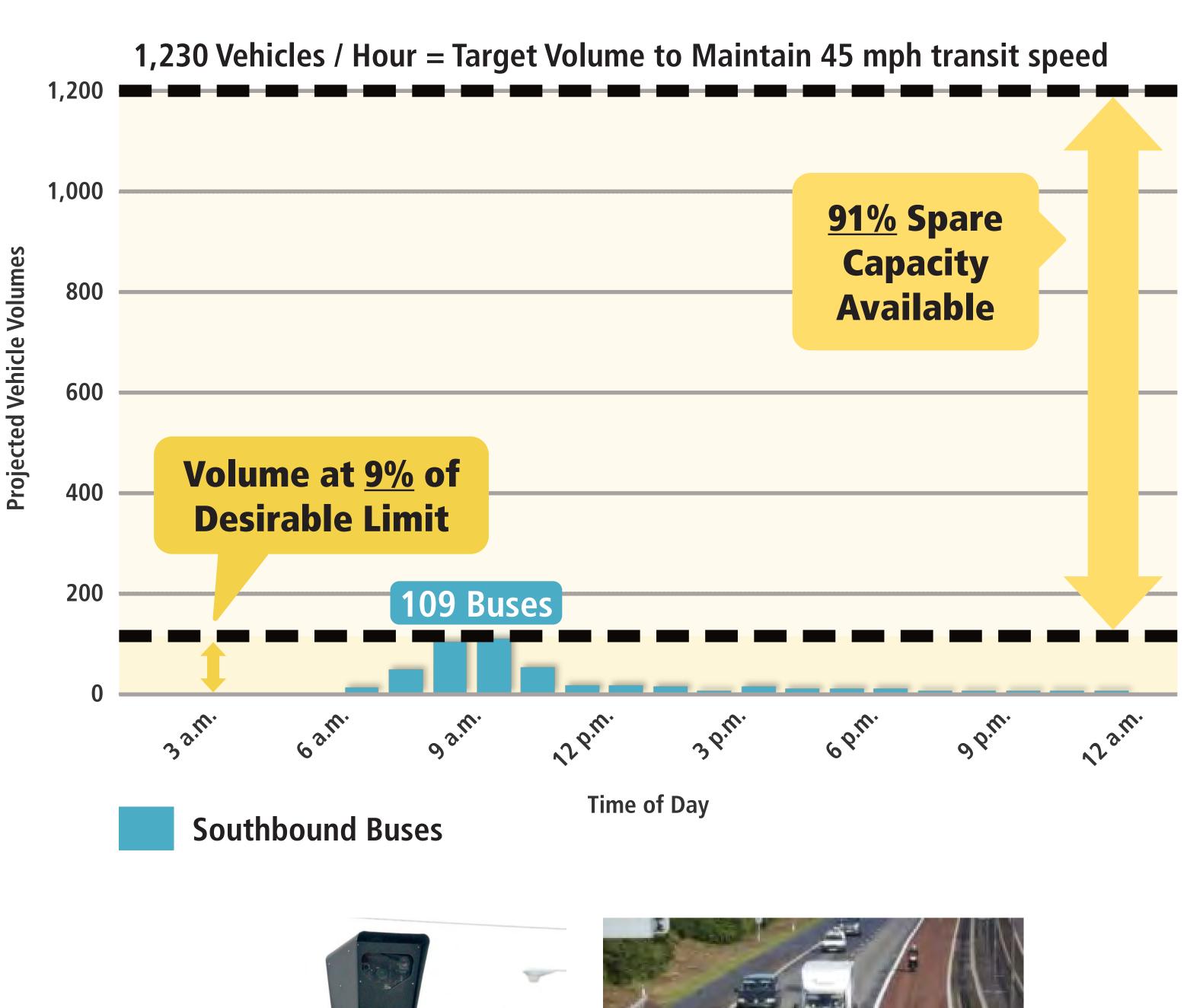
Exchange, Flex, and Double Flex		
191	1,050	
19	103	
210	1,153	
+36	+86	



ENFORCEMENT NEEDS

Exchange

Addition







SIGNAGE REQUIREMENTS

Dedicated lanes would require additional signage for specifying use and user navigation

» Overhead changeable message signs required for informing toll rates

Exchange

Addition

PHOTO ENFORCED

LEFT
LANE

BUSES ONLY Flex

Double Flex





OR PAY ONLINE

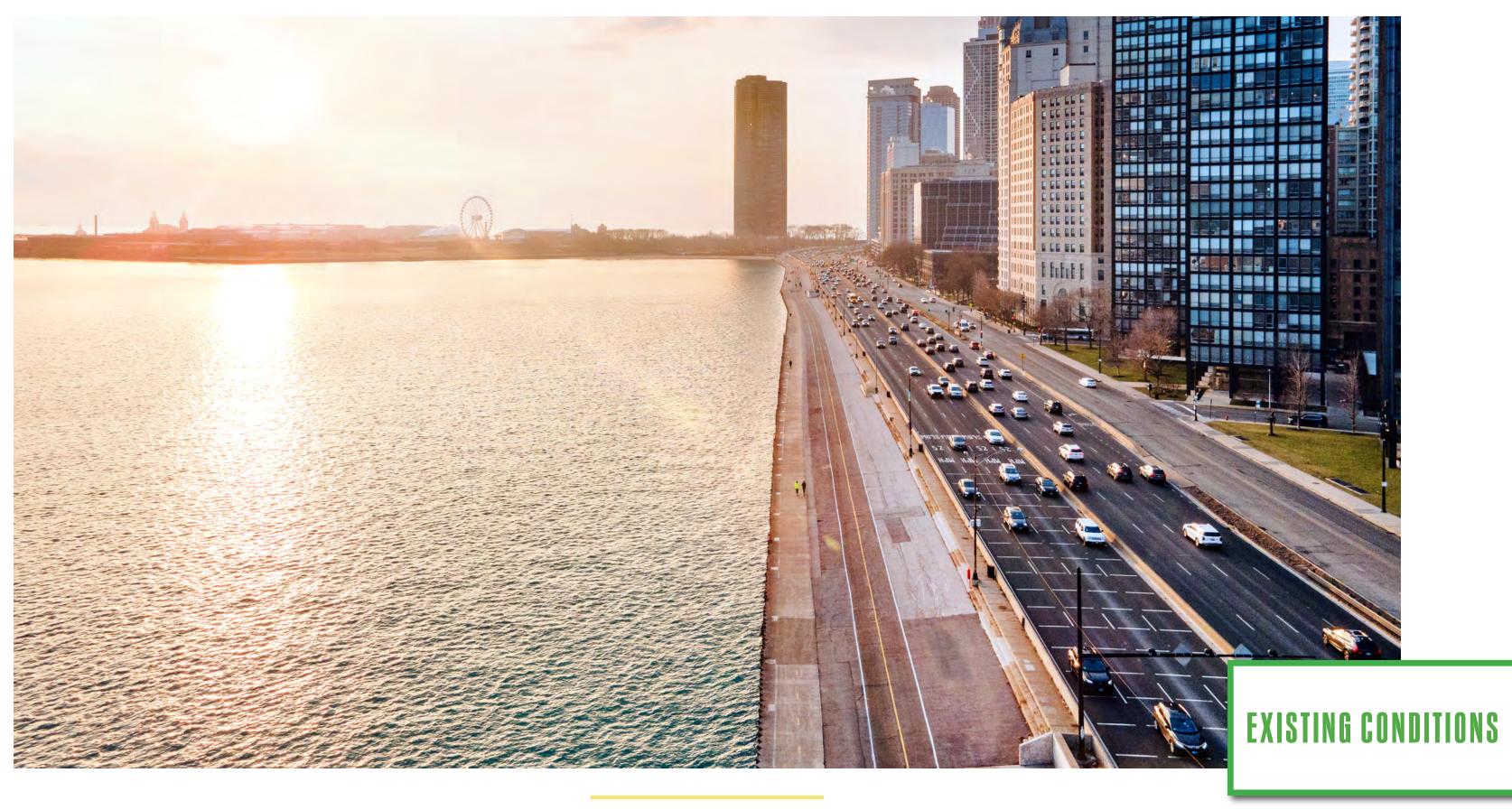
Michigan Ave Grand Ave

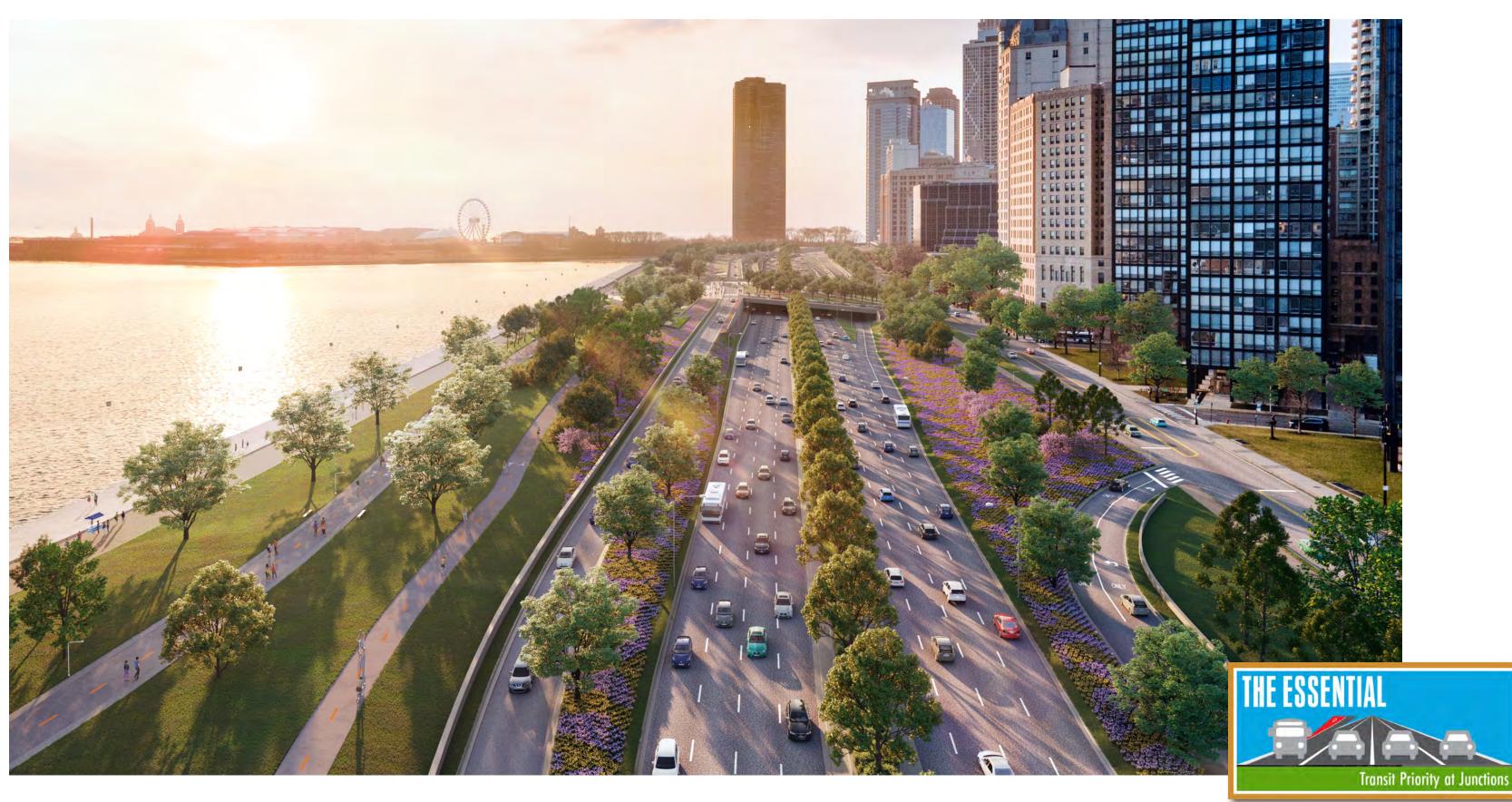
\$ 1.50

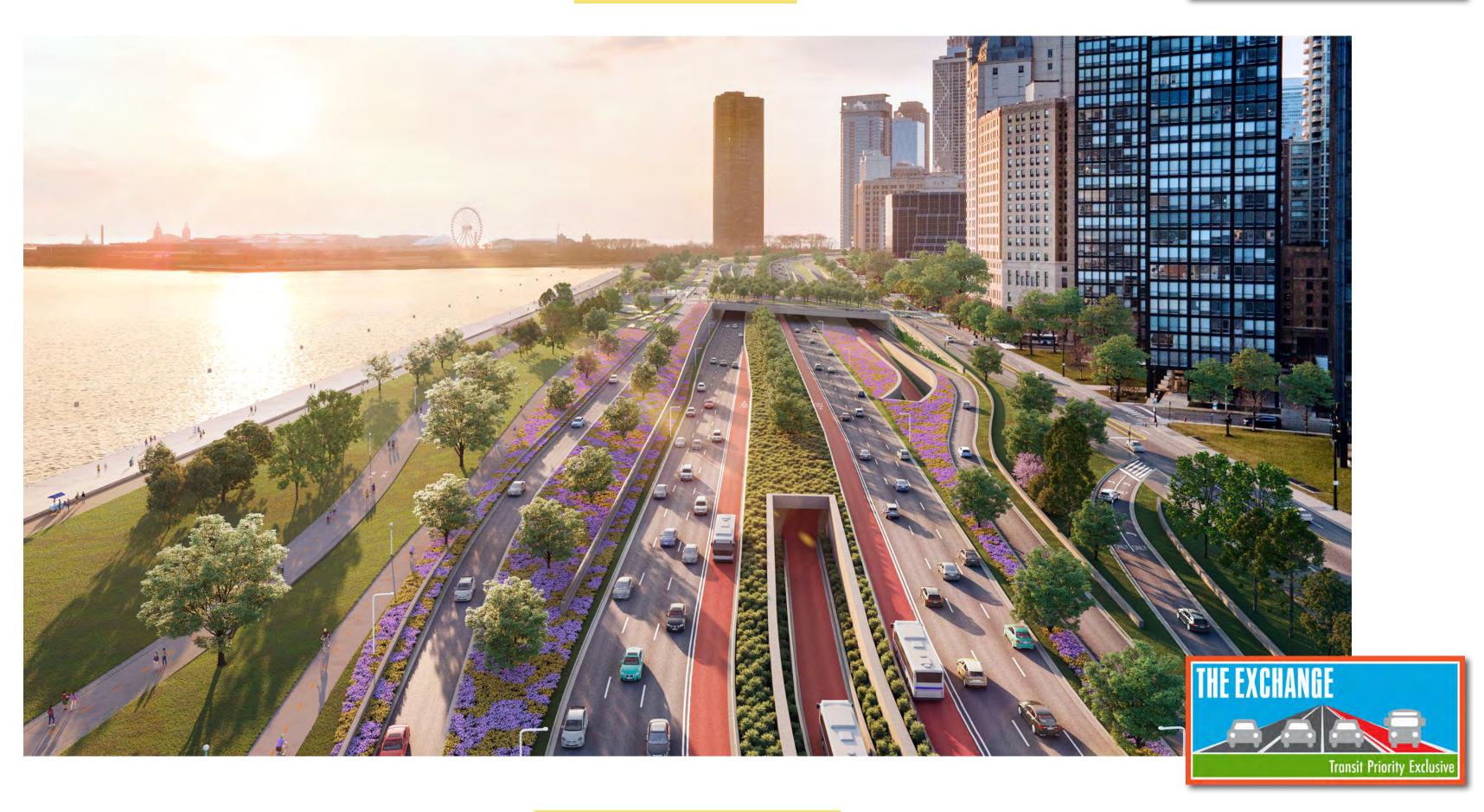
\$ 2.65



COMPARISON OF PARK IMPACTS AND ROADWAY VISUAL CHARACTERISTICS: CHICAGO AVE



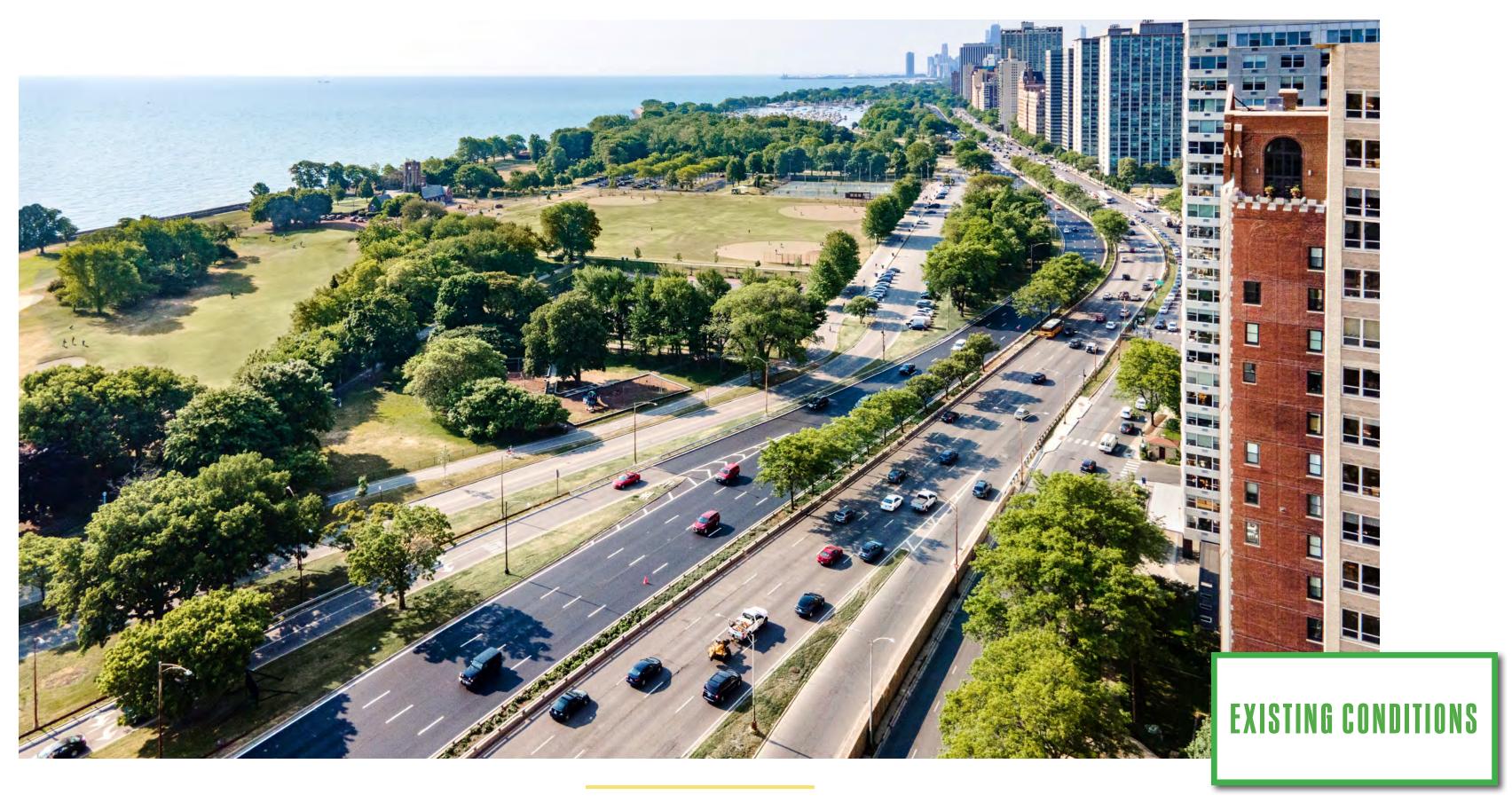








COMPARISON OF PARK IMPACTS AND ROADWAY VISUAL CHARACTERISTICS: IRVING PARK RD



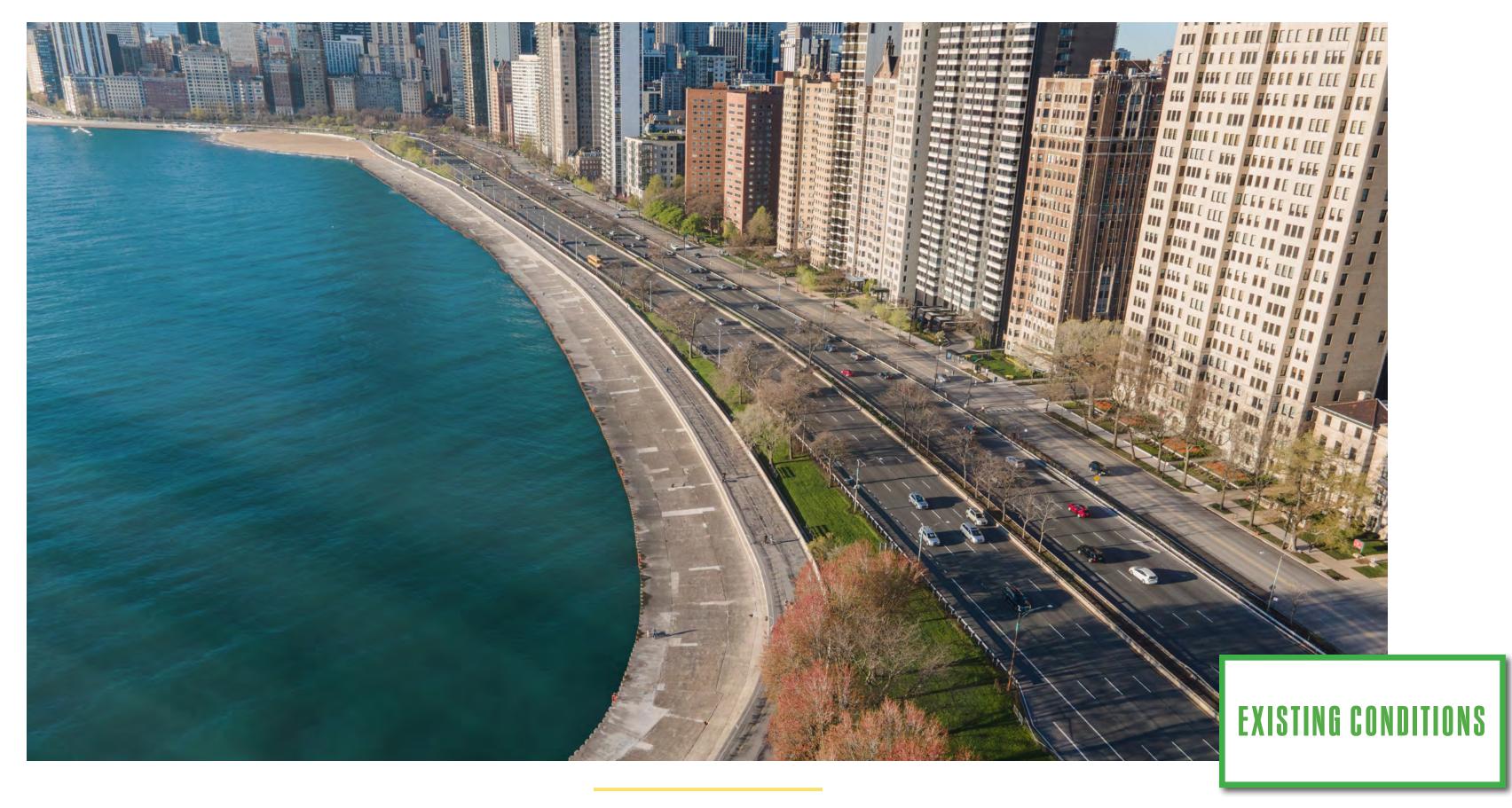








COMPARISON OF PARK IMPACTS AND ROADWAY VISUAL CHARACTERISTICS: NORTH AVE











COMPARISON OF PARK IMPACTS AND ROADWAY VISUAL CHARACTERISTICS: FULLERTON AVE













KEY CRITERIA TRADEOFFS

Alternatives



Park



Pedestrian and Bike Experience

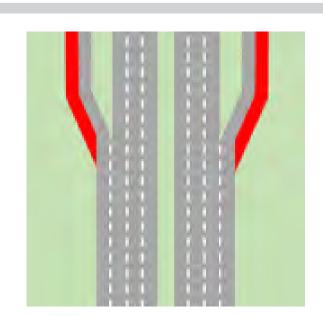




Auto Experience



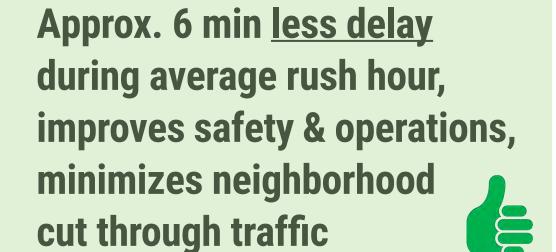




Significantly improved access to / from / along North Lakefront



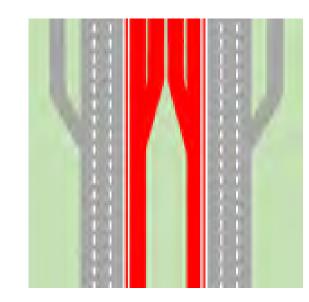
Approx. 7 min less delay during average rush hour, improves reliability, rider comfort, and access to lakefront



Reduces footprint in Lincoln Park by 2 acres, no additional miles of ramps & lanes in the park*











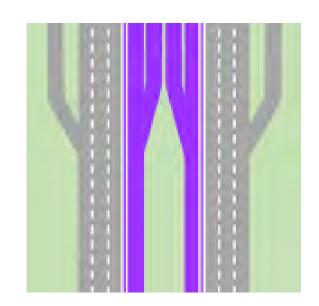
Approx. 8 min less delay during average rush hour, improves reliability, rider comfort, and access to lakefront

Approx. 1 min more delay during average rush hour, worsens neighborhood cut through traffic









Significantly improved access to / from / along North Lakefront



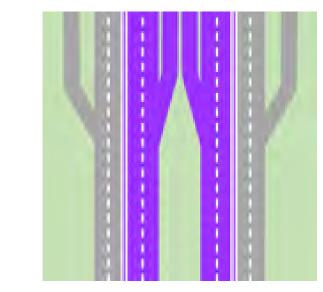
Approx. 8 min less delay during average rush hour, improves reliability, rider comfort, and access to lakefront

Approx. 3 min less delay during average rush hour, improves safety & operations, minimizes neighborhood cut through traffic

Increases footprint in Lincoln Park by 17 acres, 7 more miles of ramps & lanes in the park*







Significantly improved access to / from / along North Lakefront



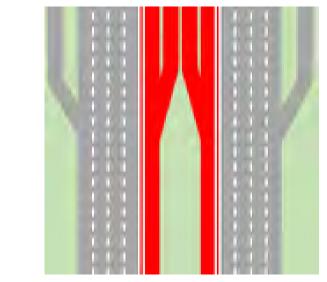
Approx. 7 min less delay during average rush hour, improves reliability, rider comfort, and access to lakefront

Approx. 2 min more delay during average rush hour, worsens neighborhood cut through traffic

Increases footprint in Lincoln Park by 17 acres, 7 more miles of ramps & lanes in the park*



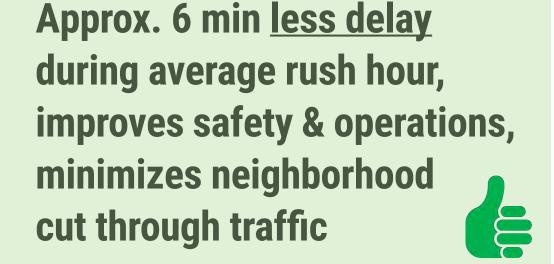




Significantly improved access to / from / along North Lakefront



Approx. 9 min less delay during average rush hour, improves reliability, rider comfort, and access to lakefront



Increases footprint in Lincoln Park by 19 acres, 10 more miles of ramps & lanes in the park*





RECOMMENDED PREFERRED MULTIMODAL ROADWAY ALTERNATIVE

- » Substantial improvements to the North Lakefront
- » Meets all objectives of the project's Purpose and Need:
 - Improves safety for all users
 - Improves mobility for all users
 - Addresses infrastructure deficiencies
 - Improves access and circulation for all users
- » Minimizes impacts and infrastructure in historic Lincoln Park





KEY BENEFITS OF THE RECOMMENDED PREFERRED MULTIMODAL ROADWAY ALTERNATIVE



Prioritize Transit

Reduces delay by 7 minutes and increases reliability for CTA express buses; improves rider comfort and east-west transit access to lakefront.



Enhance Parks

Increases park space by more than 100 acres, and improves access to/from/along North Lakefront.



Design for People

Significantly improves access to, from, and along the lakefront for people walking, rolling, and bicycling by adding 5 new access points and achieving 1/4 mile spacing.



Build in Climate Resiliency

Protects lakefront facilities from wave overtopping and flooding.



Improve Safety & Operations

Improves traffic safety & operations along Inner & Outer Drives; minimizes neighborhood cut through traffic.



Preserve Character

Emphasizes "boulevard" characteristics and de-emphasize expressway-like characteristics of the Drive.