

CREATING  
TOMORROW'S  
TRANSPORTATION

**VIA**



**VISION 2040**

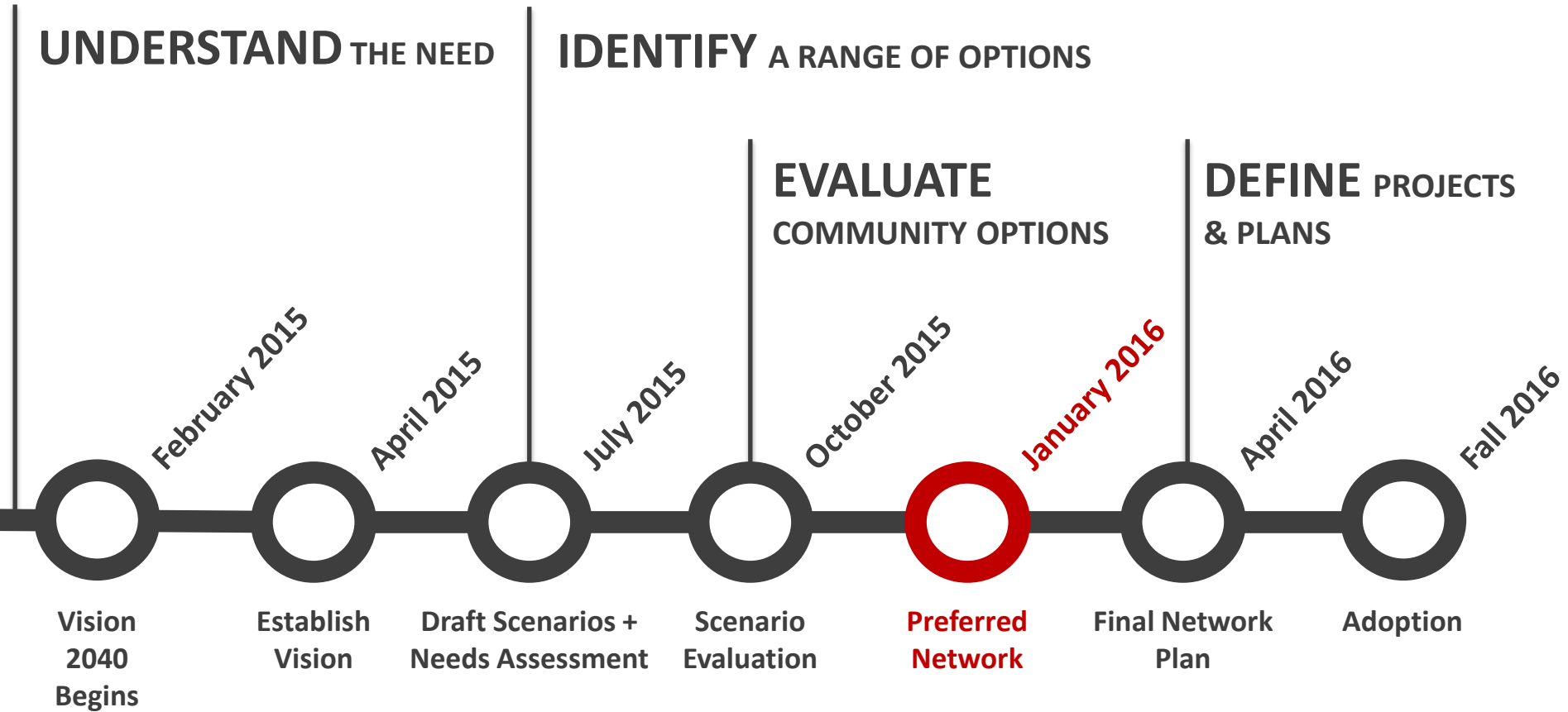
**Long Range Plan Update**

**Board Workshop**

*February 10, 2016*



# Vision 2040 Key Milestones



# Today's Agenda

1 What We've Heard

2 Recommended Approach

3 What's Next



# Future Transportation Scenario

Population almost doubling by 2040

175 vehicles added daily to SA regional roadways

Congestion grows faster than the population

By 2040, time spent traveling per vehicle is expected to more than triple

# Engagement Throughout Region

Nearly 50,000 individuals reached via community events in both Round I & Round II

Social Media impressions of 25,818

More than 7,000 surveys submitted

20 media placements published with various news outlets & paid ads online and in print

## San Antonio Express-News

EXPRESS-NEWS.COM AND M5SA.COM THE VOICE OF SOUTH TEXAS SINCE 1868

INDUSTRY NEWS · LOGISTICS & TRANSPORTATION

### VIA seeks input from businesses, community groups for Vision 2040 survey

Nov 4, 2015, 3:04pm CST

INDUSTRIES & TAGS Logistics & Transportation, Environment, Policy



Photo: Edward A. Ornelas/San Antonio Express-News

A bus uses VIA's new Centro Plaza at the intersection of West Houston and North Frio Streets. The plaza will be officially opened Friday, and the public is invited at special events starting at 10 a.m. Saturday

Centro Plaza, VIA Metropolitan Transit's new transfer hub, will open with a ceremony this morning attended by city and county officials.

The hub at 909 W. Houston St. has been under construction since September of last year. It will have a Wi-Fi-equipped waiting area, a full customer service center and a community room and will feature a lighted tower sculpture 85 feet tall.

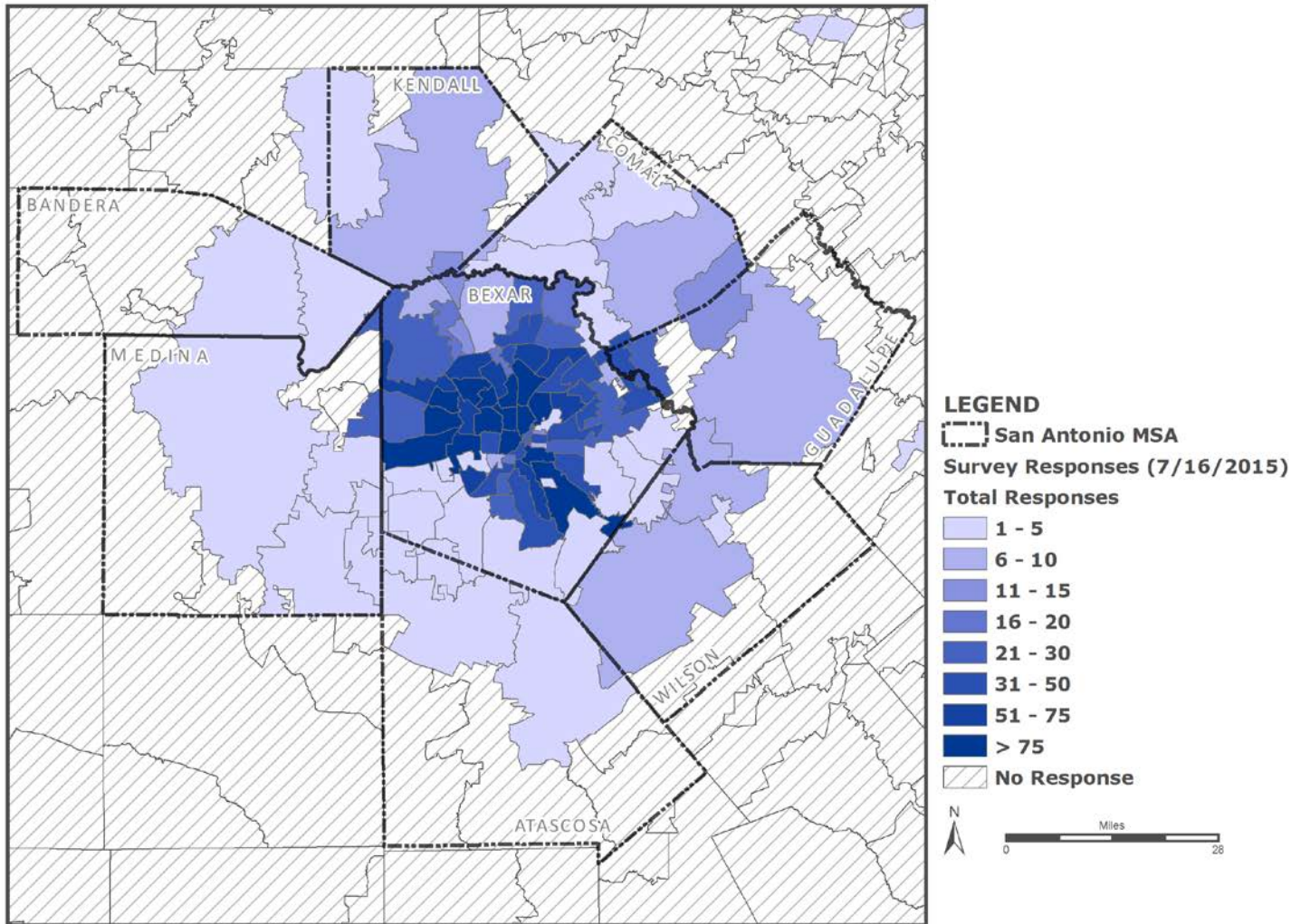
The plaza's opening is part of several changes VIA has planned for the coming months. In January, the agency expects to reconfigure a number of bus lines to serve that central location and to restructure its fares to make multiple transfers cheaper for riders.

A community event at the plaza with live performances and public art will be held starting at 10 a.m. Saturday. Residents will be able to see the new hub and take VIA's Vision 2040 survey, part of the bus system's long-term planning process.

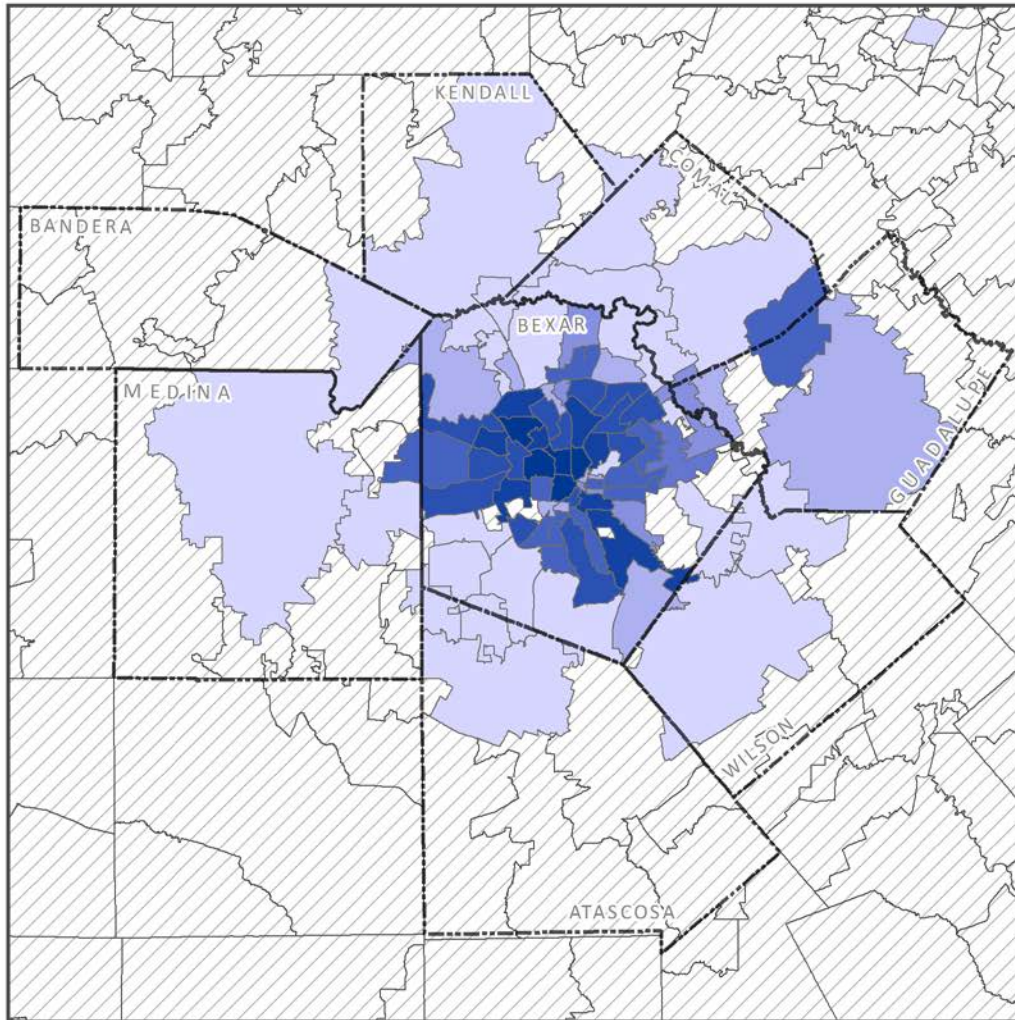
kblunt@express-news.net



# Engagement Throughout Region



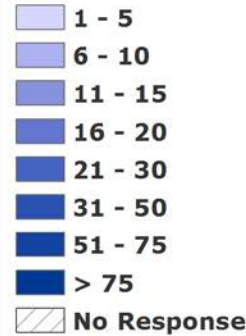
# Engagement Throughout Region



## LEGEND

### Survey Responses - Round 2

#### Total Responses

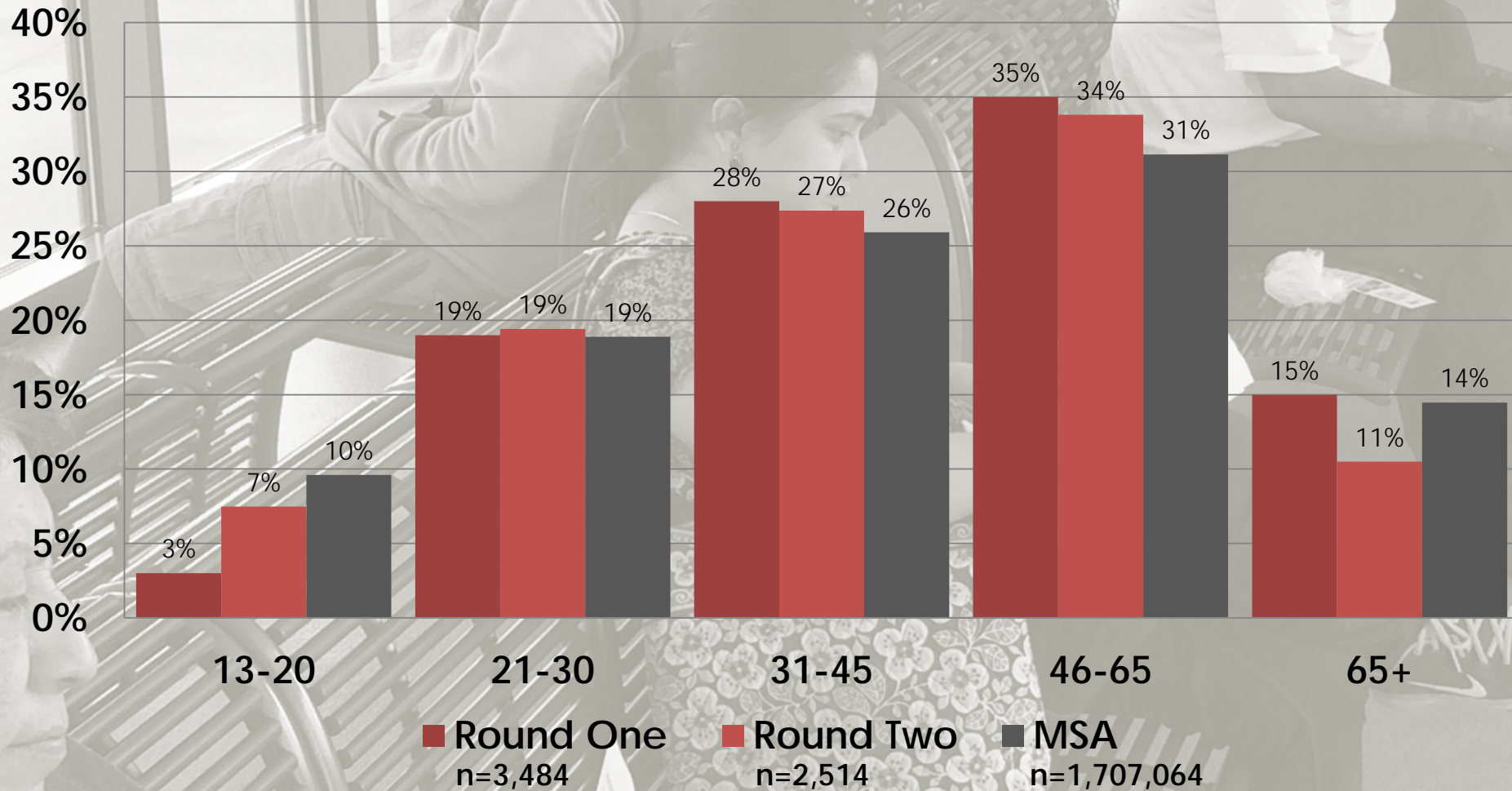


2015\_12\_02\_V2040\_R2\_zip\_responses



# Survey Response Demographics

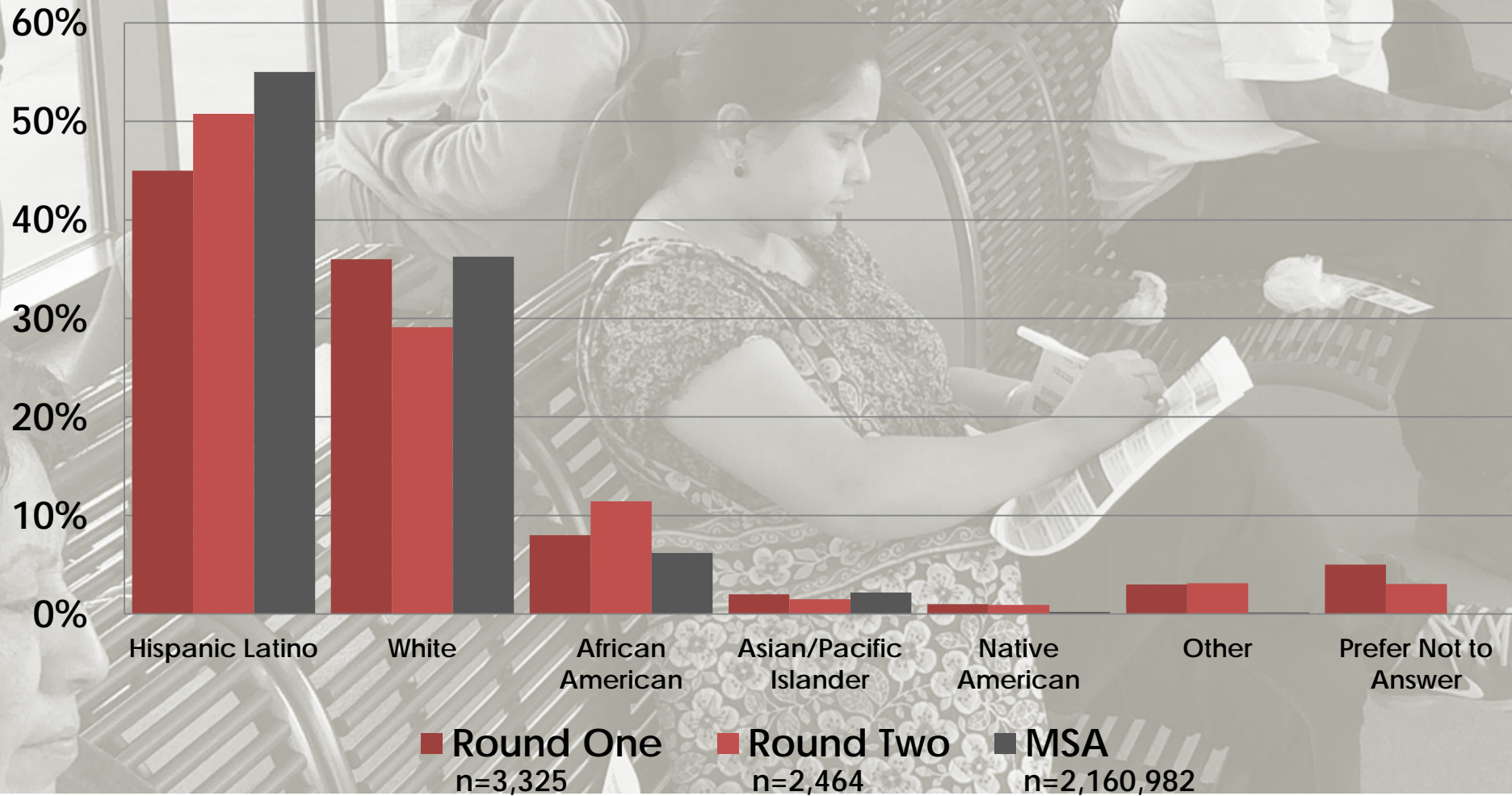
## Age of Respondents vs MSA Population





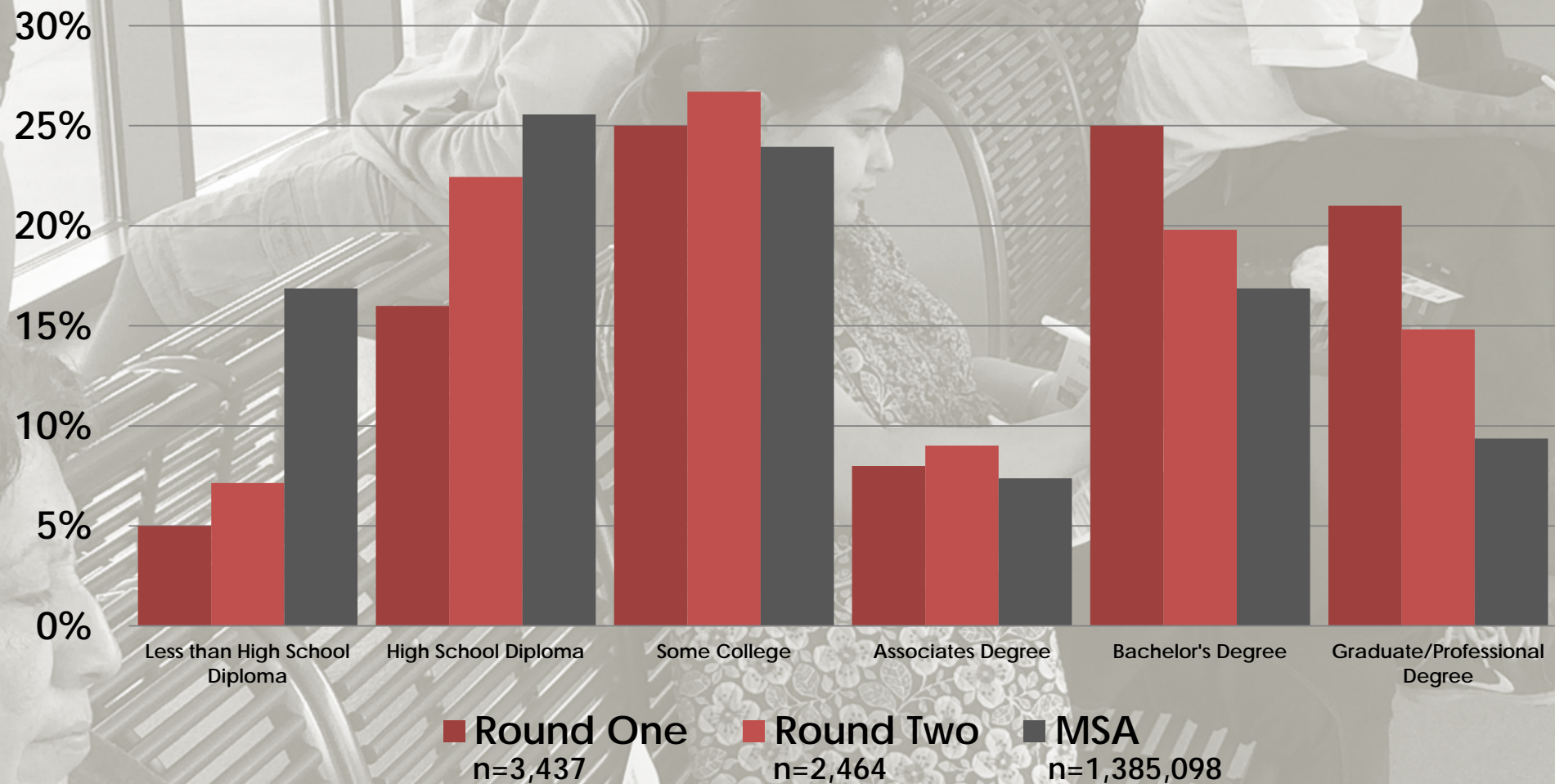
# Survey Response Demographics

## Ethnicity of Respondents vs MSA Population



# Survey Response Demographics

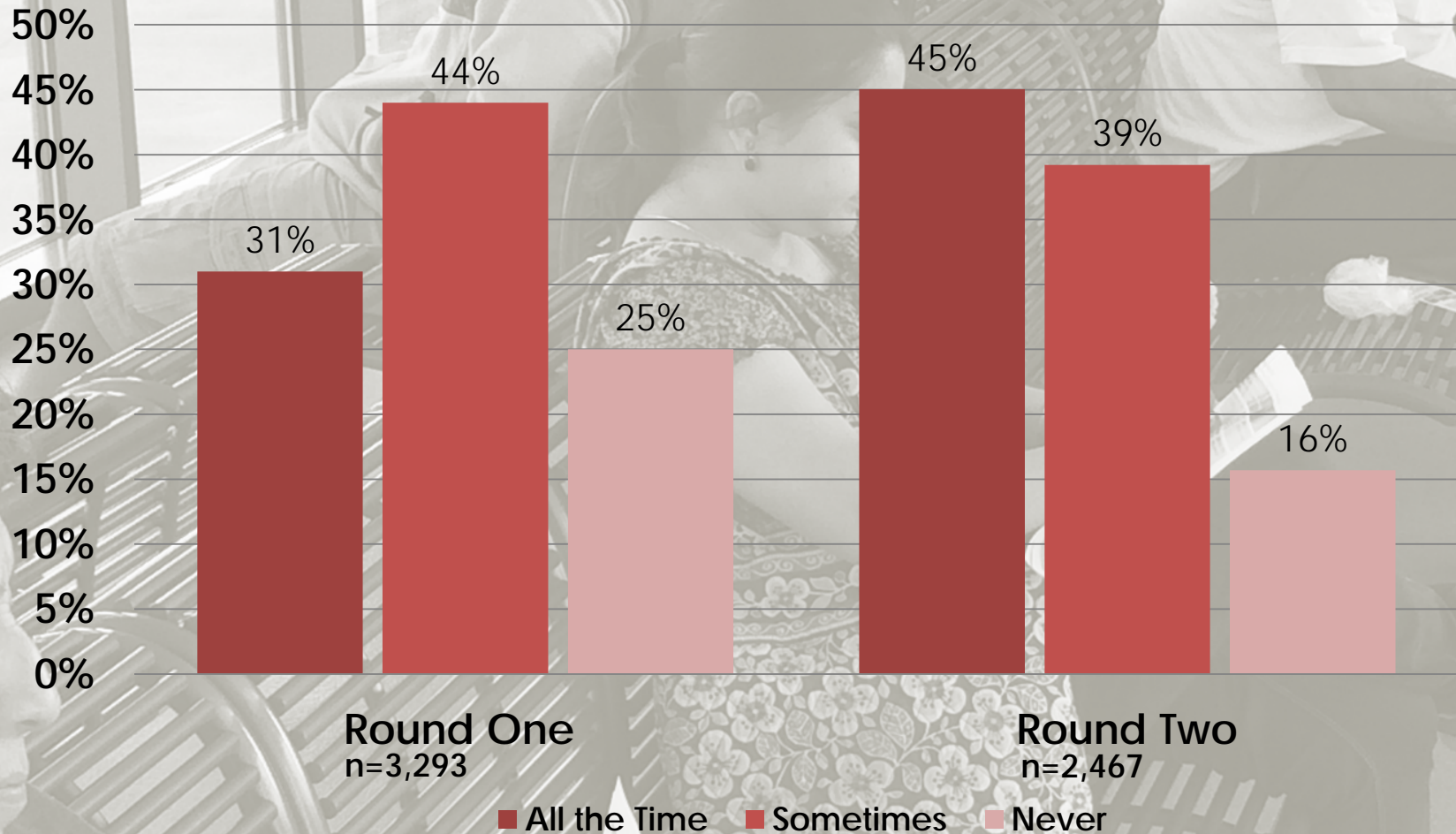
## Educational Attainment of Respondents vs MSA Population



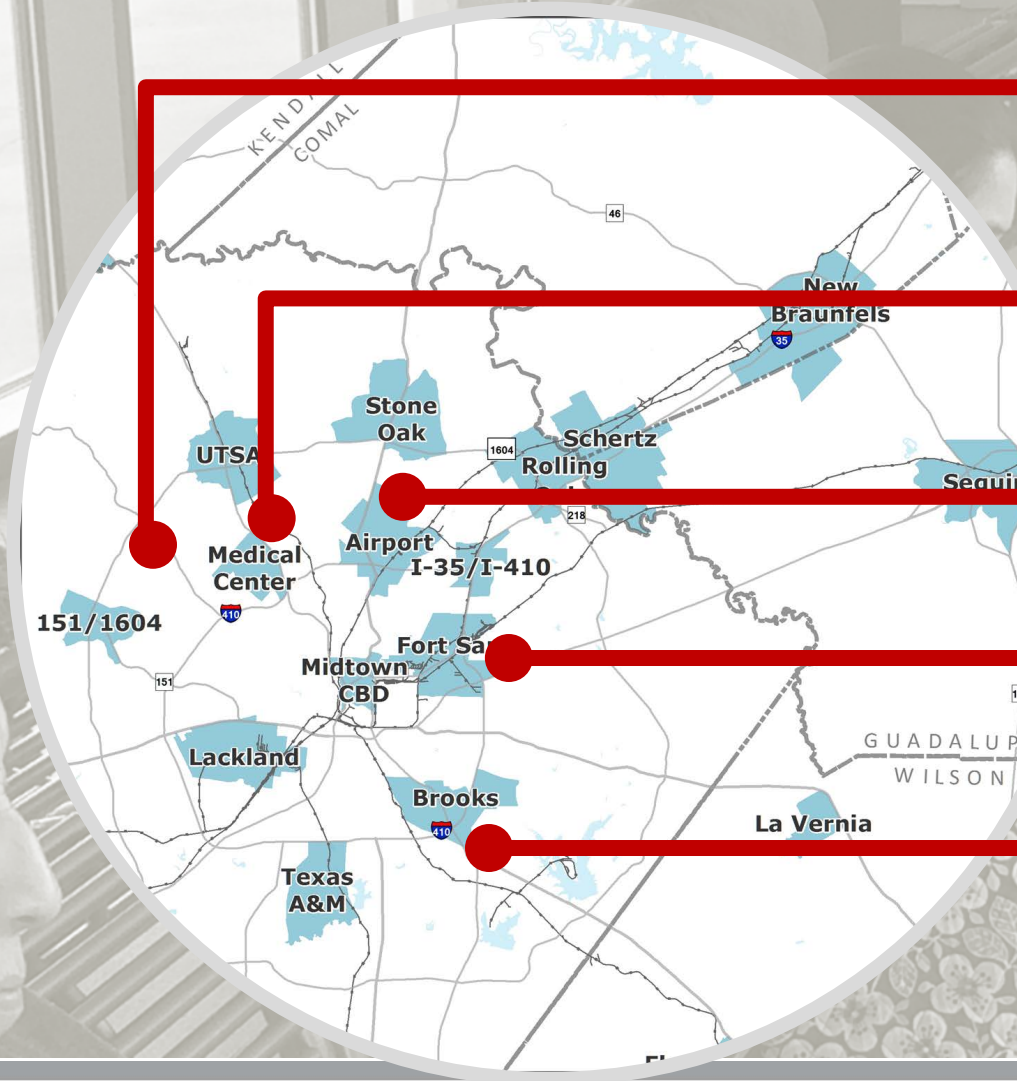


# Survey Response Demographics

Q: How Often do you use VIA Metropolitan Transit?



# What We Heard



"Living on the west side it is very difficult to travel to different parts of the west side w/o **having to transfer** downtown first. These plans look like it would solve that dilemma."

"**Frequency** is crucial! Knowing that if I miss my bus and won't have to wait more than another 10 or 15 minutes for the next one is what will make the difference between...true widespread adoption."

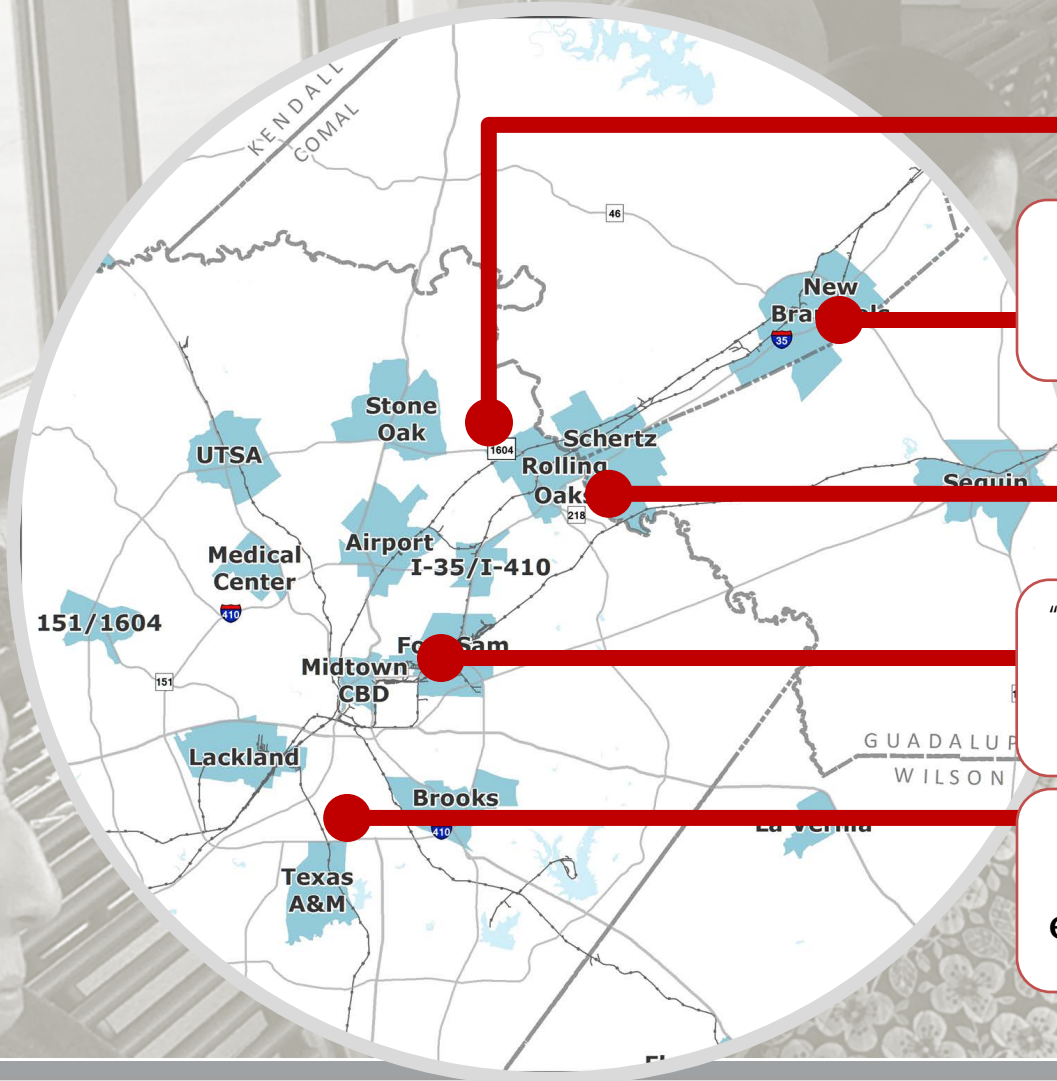
"In order for San Antonio to become a **world class city**...I strongly suggest that we incorporate **light rail** in the near and long term plan."

"**Primo** is a big improvement for San Antonio and would be even better if added to other routes (550/551-Airport)."

"Living on the southeast side, mobility to **city-base** is a priority as this offers many job opportunities/shopping/entertainment/medical services."



# What We Heard



"**Express service** from outlying areas to and from downtown would be important to me."

I would like to see our community **connected**...There are more and more people building and buying out here and the roads are so **congested**.

"Bus travel is always going to be **inefficient** while our development policies encourage **sprawl** and low density development."

"Because I live downtown, I am most interested in the airport and medical center...Also we should have **light rail** at least to the airport....think Portland!"

"Please provide **late night** service or **24/7 service** as well and have **electronic info** at bus stops as to when the next bus is coming."

# What We Heard

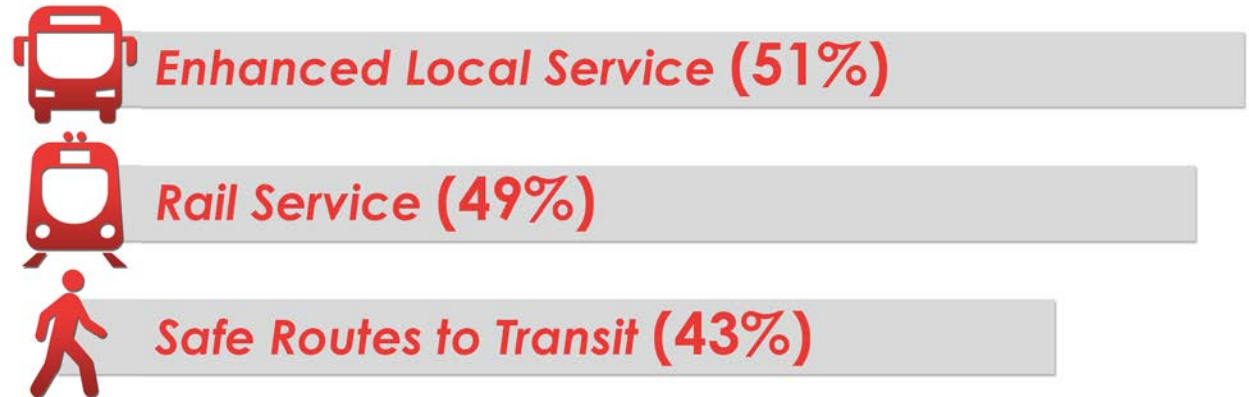
## Frequency and Reliability

are the **most important**  
features of VIA service regardless  
of respondent demographics.



## Transportation Choices (n=3,705)

What do you think will most improve public transportation in the San Antonio region? (% of those who answered the question choosing as top three)



# What We Heard

There is **high demand** for

## Fixed-Route, High-Capacity service



Nearly **one-quarter** of the map-based “new route” comments requested rail service between downtown San Antonio and the airport along the US-281/San Pedro Avenue corridor.

The ability to link

## Work, Shopping, and Entertainment



...via **transit or pedestrian access** (“live-work-play”) was a feature that would make transit a more convenient travel choice for thousands of respondents.

# What We Heard

**Strong Support** for dedicated lanes for transit vehicles

## Transit Priority



**87%** of respondents support **dedicated lanes for transit vehicles**

- 13%** transit vehicles should always share the road with other vehicles.
- 37%** transit vehicles should have their own lane whenever possible.
- 50%** transit vehicles should have their own lane in congested areas.



$n = 2,402$



# What We Heard

Support for both **focused** and **widespread** investments to the transit system

## Frequency

**57%** of respondents would prefer **very high frequency**

on the **busiest routes** over moderate increases on all routes

**43%** think VIA should **increase frequency somewhat** (buses at least every 30 minutes) along most or all routes.

**57%** think VIA should provide **very high frequency service** (buses every 10 minutes) along the busiest routes



$n = 2,406$

# What We Heard

Significant interest in transit investments and expansions of service **across the region**

**All Corridors** Were noted by more than **60% of respondents** as a medium- or high- priority for transit investment

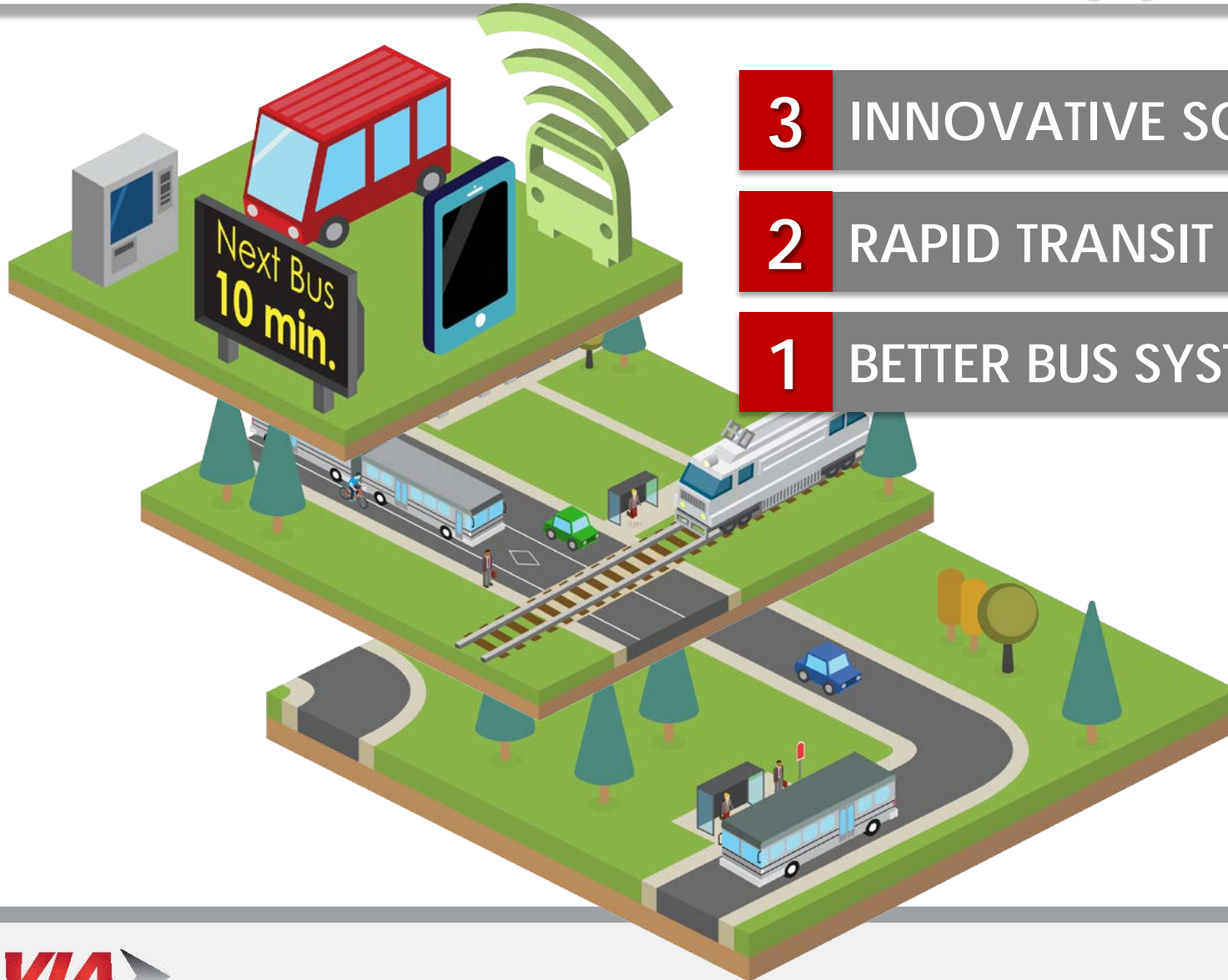
( $\bar{n}$ =1,989)

# Recommended Approach

## THE COMPONENTS



# Recommended Approach



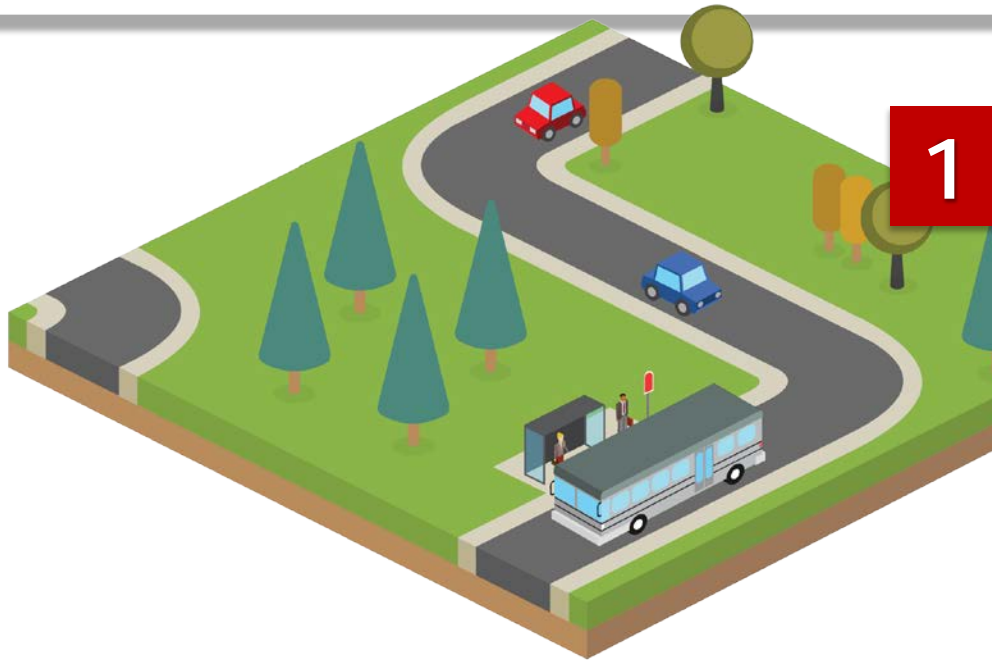
**3** INNOVATIVE SOLUTIONS

**2** RAPID TRANSIT NETWORK

**1** BETTER BUS SYSTEM



# Recommended Approach



## 1 BETTER BUS SYSTEM

Shifting local routes to frequent & Primo

Wait no longer than 30 minutes  
(15 min. peak /30 min. off-peak)

Network of Primo Bus Priority Corridors

Improvements to lighting, shelters, sidewalks & crosswalks

**A** MORE FREQUENT SERVICE

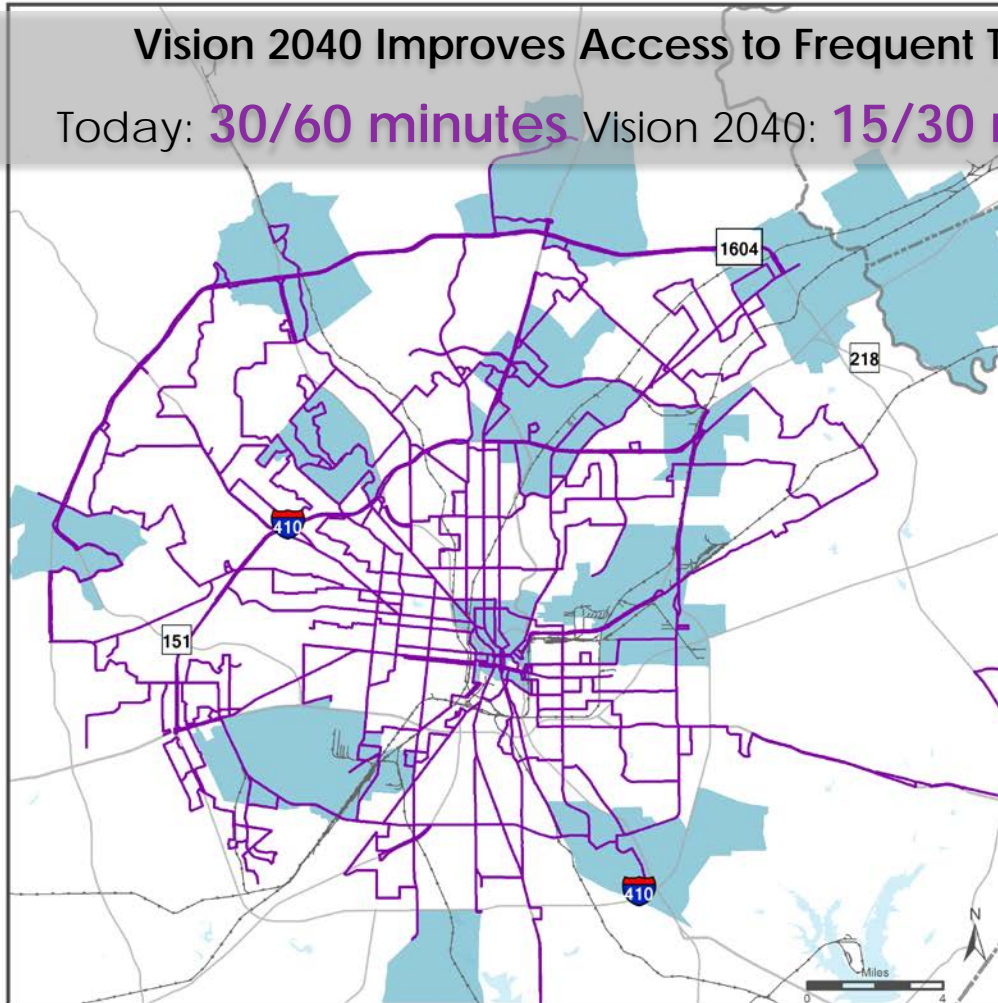
**B** MORE RELIABLE SERVICE

**C** SAFE ROUTES TO TRANSIT

# Better Bus System

Vision 2040 Improves Access to Frequent Transit

Today: 30/60 minutes Vision 2040: 15/30 minutes



## METRO LOCAL

Neighborhood circulation running during all hours of the day



15/30 Minute Frequency



40 Passenger Capacity



Mixed Traffic



Close Stop Spacing

### LEGEND

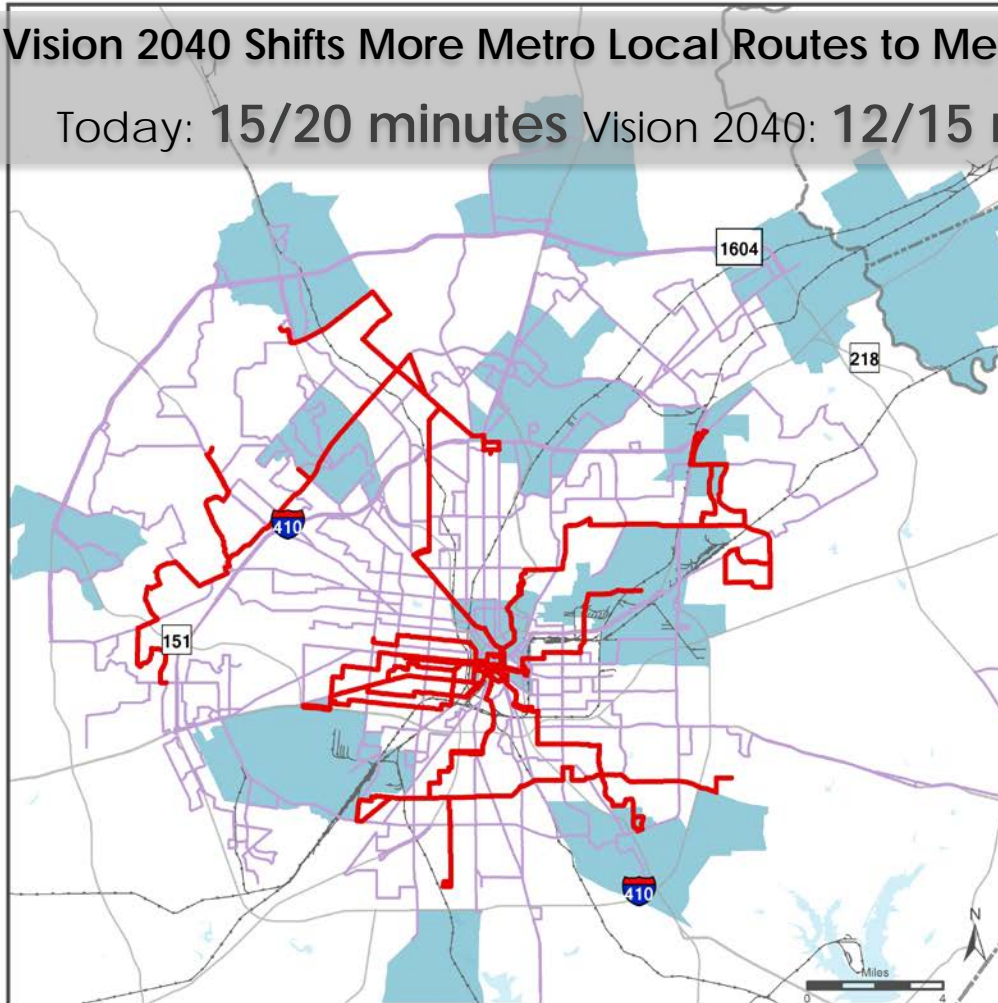
- Metro Local
- Employment Activity Center

2015\_12\_01\_V2040\_Service\_Types

# Better Bus System

Vision 2040 Shifts More Metro Local Routes to Metro Frequent

Today: 15/20 minutes Vision 2040: 12/15 minutes



## METRO FREQUENT

Frequent Service on key corridors and popular routes



12/15 Minute Frequency



40 Passenger Capacity



Mixed Traffic



Close Stop Spacing

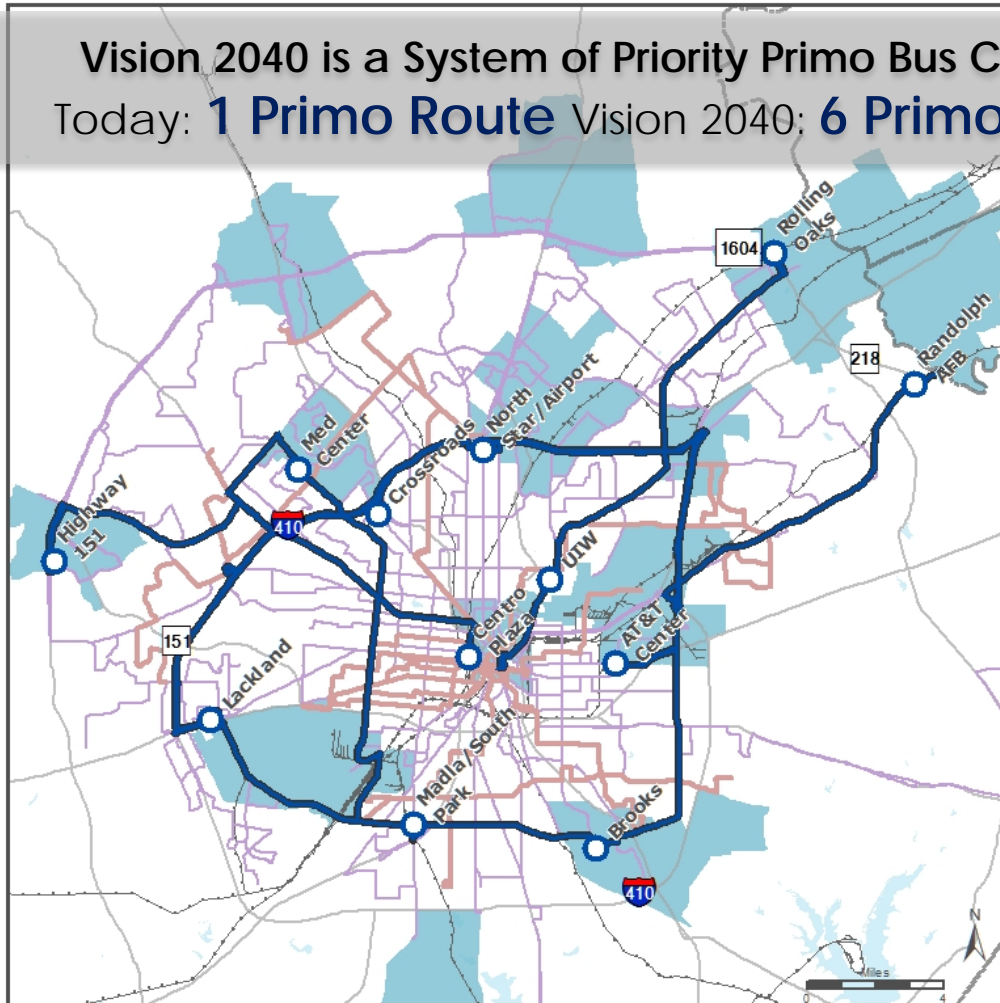
### LEGEND

- Metro Local
- Metro Frequent
- Employment Activity Center

2015\_12\_01\_V2040\_Service\_Types

# Better Bus System

Vision 2040 is a System of Priority Primo Bus Corridors:  
 Today: **1 Primo Route** Vision 2040: **6 Primo Routes**



10/10 Minute Frequency



60 Passenger Capacity



Signal Priority



Moderate Stop Spacing

## LEGEND

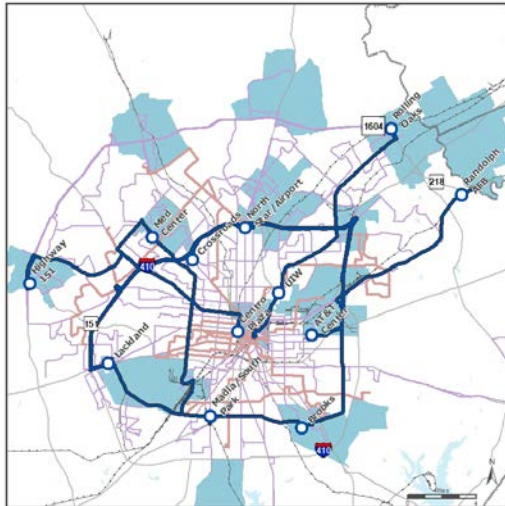
- Premium Stations
- Metro Premium
- Metro Local
- Metro Frequent
- Employment Activity Center








2015\_12\_01\_V2040\_Service\_Types



# Better Bus System

**PRIMO**  
Frequent rapid bus service along major corridors

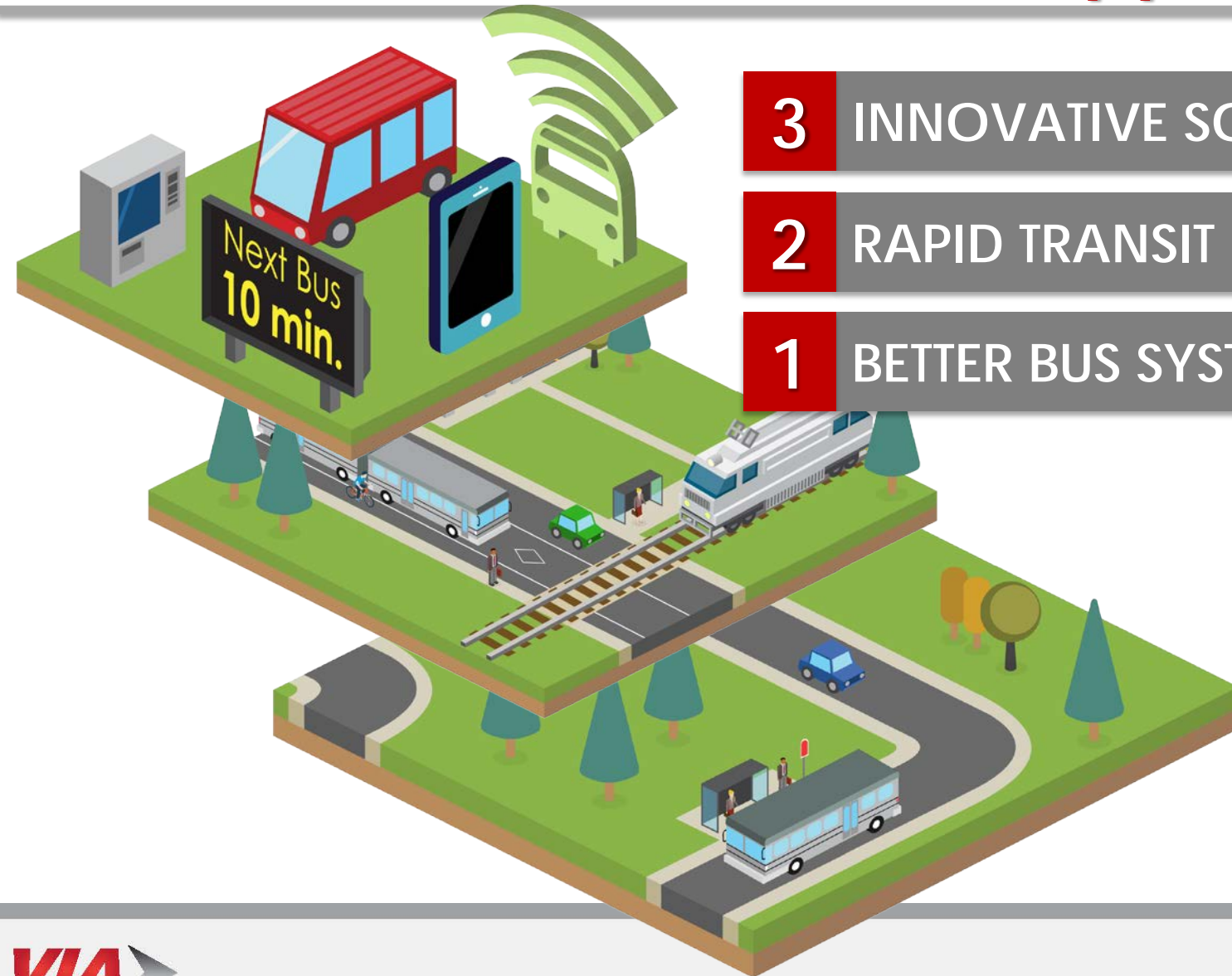


	Austin Highway	Looper Premium	General McMullen-Babcock	Bandera	Huebner - Grissom	
 <b>DESTINATIONS</b> ☆ PREMIUM PLUS CORRIDOR	Rolling Oaks UIW Downtown SA	Brooks City-Base North Star/Airport Crossroads Lackland AFB South Park Mall	Med Center South Park Mall	Leon Valley Downtown SA	Alamo Ranch Leon Valley Med Center	
 <b>RIDERSHIP</b> (AVG DAILY BOARDINGS)	● ● ● ●	● ● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	
 <b>PRODUCTIVITY</b> (BOARDINGS/HOUR)	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	
 <b>RELIABILITY NEED</b> (LINE LOAD + CONGESTION)	Medium	Medium	Medium	Low	Low	
 <b>BLOCK DENSITY</b> (BLKS/SQ MI)	175	96	176	272	81	
 <b>PERCENT BIKE ACCESSIBLE</b>	83%	57%	58%	77%	63%	
<b>ACCESS</b>	<b>POPULATION</b>	61,000	89,000	75,000	56,000	47,000
	<b>EMPLOYMENT</b>	93,000	103,000	52,000	46,000	29,000
<b>ROUTE DISTANCE (MILES)</b>	16	54	15	10	12	
 <b>CONNECTIONS TO REGIONAL CENTERS</b>	4 Centers	6 Centers	2 Centers	2 Centers	2 Centers	
<b>MARKET SUPPORT</b>	Medium	Medium	Medium	Low	Medium	
<b>LAND USE AND DEVELOPMENT/ TOD POTENTIAL</b>	<b>POPULATION PER ACRE</b>	8	7	10	10	9
	<b>EMPLOYMENT PER ACRE</b>	12	8	7	9	5



ALL RESULTS PRELIMINARY

# Recommended Approach

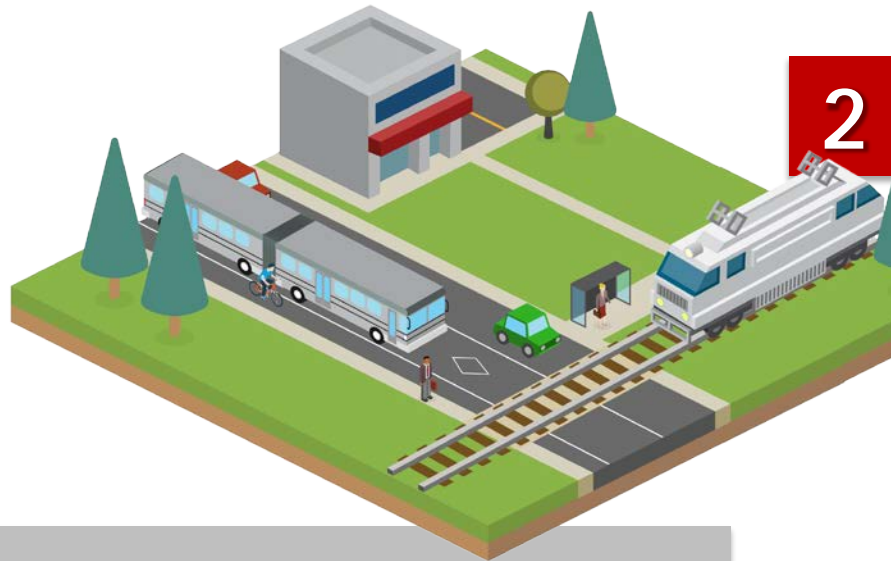


**3** INNOVATIVE SOLUTIONS

**2** RAPID TRANSIT NETWORK

**1** BETTER BUS SYSTEM

# Recommended Approach



## 2 RAPID TRANSIT NETWORK

Connecting regional centers expecting significant growth

Premium transit with Dedicated Lanes – Primo Plus & LRT

Robust Commuter Network  
HOV Lanes

Collaboration of transit supportive land use policies

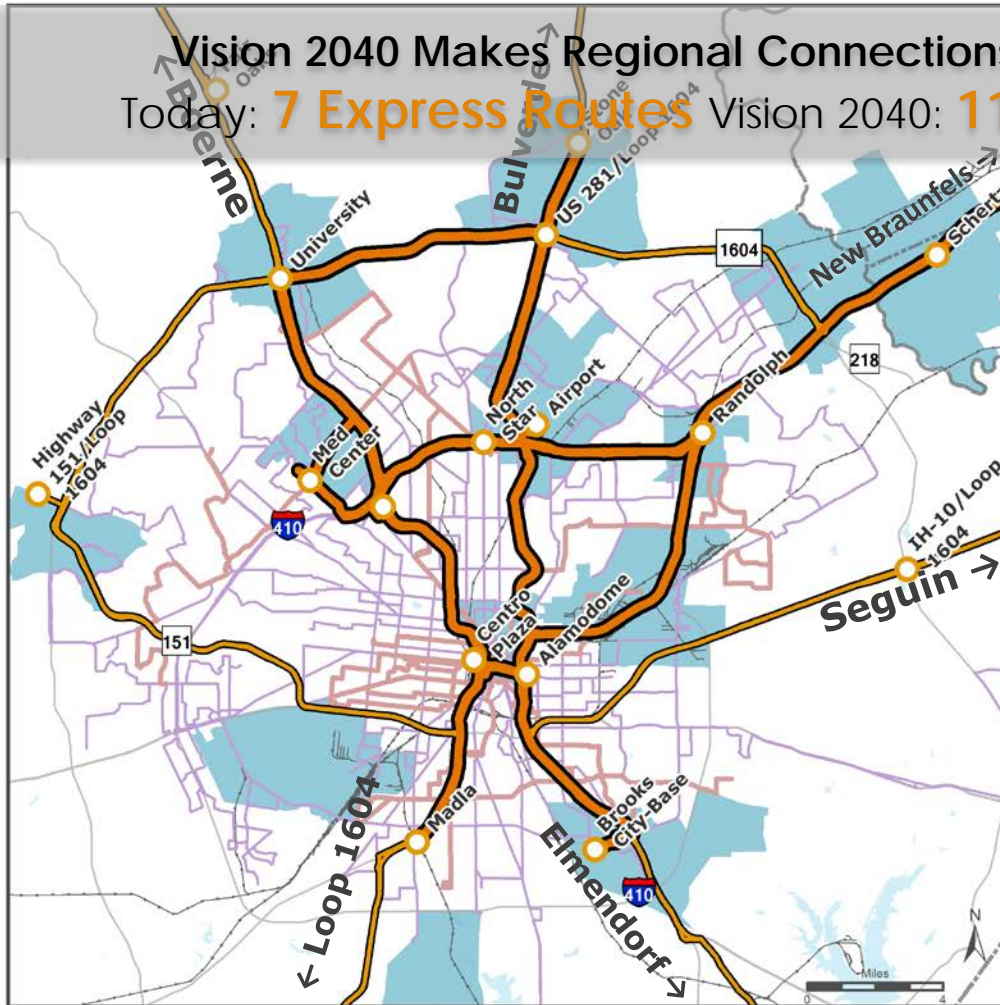
**A** MORE FREQUENT SERVICE

**B** MORE RELIABLE SERVICE

**C** COMMUNITY OPTIONS

# Rapid Transit Network

Vision 2040 Makes Regional Connections for Commuters:  
 Today: **7 Express Routes** Vision 2040: **11 Express Routes**



## METRO EXPRESS

Regional service connecting park & rides to key destinations



15/30 Minute Frequency



50 Passenger Capacity



Mixed Traffic



Wide Stop Spacing

### LEGEND

- Express Stations
- Metro Express (Key Corridor)
- Metro Express
- Metro Local
- Metro Frequent
- Employment Activity Center

2015\_12\_01\_V2040\_Service\_Types



# Rapid Transit Network

Vision 2040 Makes Regional Connections for Commuters:

Today: **7 Express Routes** Vision 2040: **11 Express Routes**

**Metro Express, Vanpools, VIATrans, and Carpools** will all benefit from regional connections on high-occupancy vehicle (HOV) lanes



IH 105, California



US 75 Express, Texas

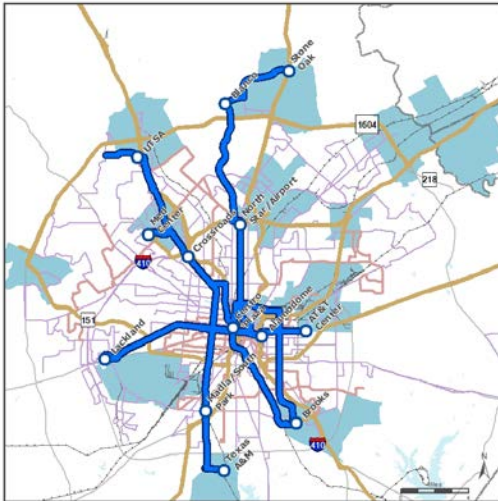
# Rapid Transit Network

## PRIMO PLUS

Frequent rapid bus service along major corridors with dedicated lanes

## LIGHT RAIL

Frequent high-capacity transit connecting major community destinations and employment centers



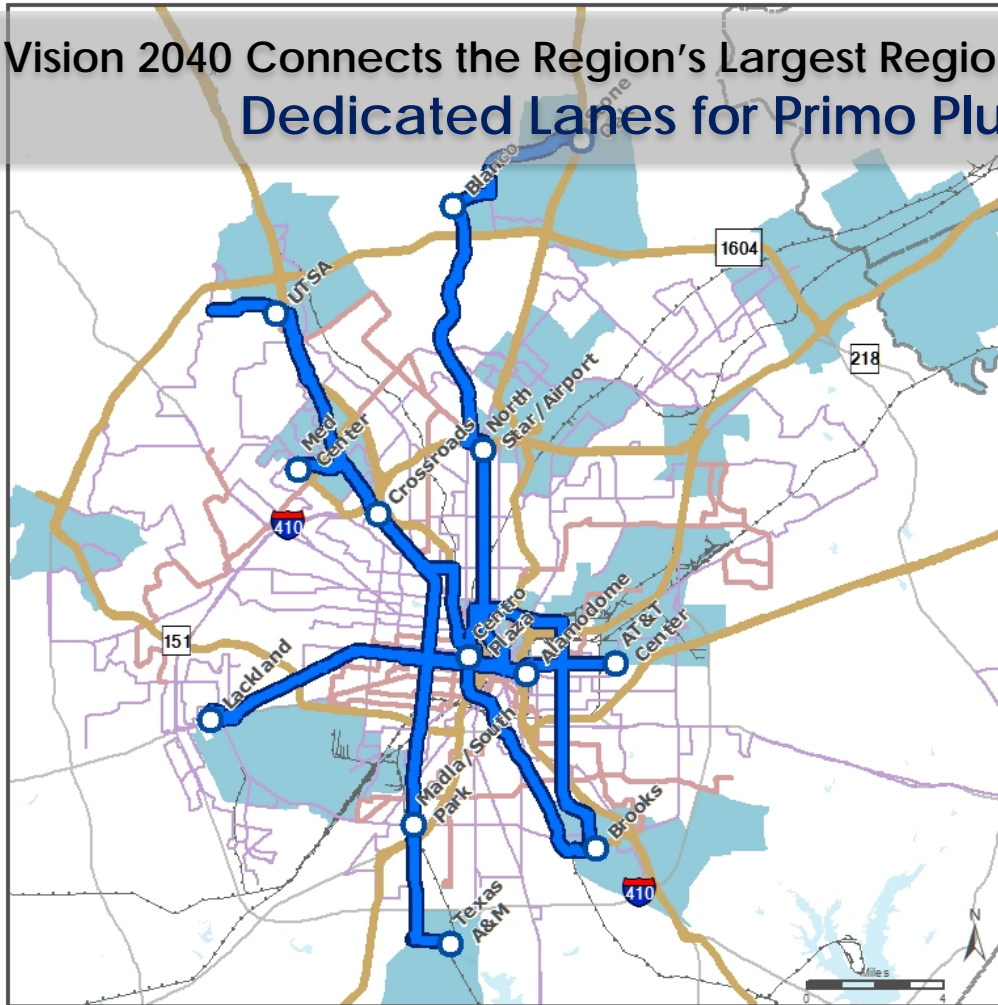
 <b>DESTINATIONS</b>		 <b>E Houston - FM 78</b> Randolph AFB AT&T Center Downtown SA	 <b>New Braunfels Ave</b> Brooks City-Base Fort Sam Houston Pearl	 <b>Rockport Subdivision</b> Brooks City-Base Blue Star Downtown SA	 <b>Zarzamora</b> Med Center Crossroads South Park Mall Texas A&M	 <b>W Commerce</b> Lackland AFB OLLU Downtown SA	 <b>Fredericksburg</b> UTSA Crossroads Downtown SA	 <b>San Pedro</b> Stone Oak North Star/Airport Downtown SA
	<b>RIDERSHIP</b> (AVG DAILY BOARDINGS)	● ● ● ○	● ● ● ● ○	● ○ ○ ○	● ● ● ● ●	● ● ○ ○	● ● ● ● ●	● ● ● ● ○
	<b>PRODUCTIVITY</b> (BOARDINGS/HOUR)	● ● ● ○	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ○
	<b>RELIABILITY NEED</b> (LINE LOAD + CONGESTION)	Medium	High	--	High	High	High	High
	<b>BLOCK DENSITY</b> (BLKS/SQ MI)	105	223	231	206	229	256	156
	<b>PERCENT BIKE ACCESSIBLE</b>	50%	95%	67%	77%	63%	63%	78%
	<b>ACCESS</b>							
	<b>POPULATION</b>	76,000	80,000	38,000	103,000	61,000	105,000	99,000
	<b>EMPLOYMENT</b>	97,000	70,000	45,000	75,000	37,000	150,000	135,000
	<b>ROUTE DISTANCE (MILES)</b>	20	12	8	18	9	17	21
	<b>CONNECTIONS TO REGIONAL CENTERS</b>	4 Centers	4 Centers	2 Centers	3 Centers	2 Centers	4 Centers	4 Centers
	<b>MARKET SUPPORT</b>	Low	Medium	Medium	Medium	Low	High	High
	<b>LAND USE AND DEVELOPMENT/TOD POTENTIAL</b>							
	<b>POPULATION PER ACRE</b>	8	12	10	11	14	12	10
	<b>EMPLOYMENT PER ACRE</b>	11	10	9	8	8	17	14



ALL RESULTS PRELIMINARY

# Rapid Transit Network

Vision 2040 Connects the Region's Largest Regional Centers with High Capacity Transit  
 Dedicated Lanes for **Primo Plus** and **Light Rail Transit**



## PRIMO PLUS

Frequent rapid bus service along major corridors with dedicated lanes



10/10 Minute Frequency



60 Passenger Capacity



Dedicated Right-of-Way



Moderate Stop Spacing

## LIGHT RAIL

Frequent high-capacity transit connecting major community destinations and employment centers



10/10 Minute Frequency



100 Passenger Capacity



Dedicated Right-of-Way



Moderate Stop Spacing

2015\_12\_01\_V2040\_Service\_Types

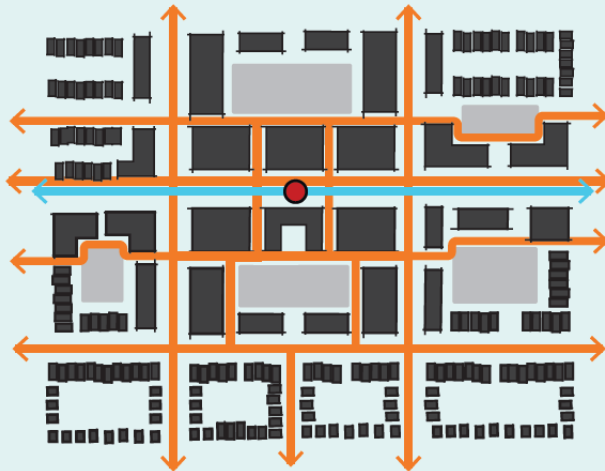
# Rapid Transit Network

Vision 2040 is the Community Transit Vision to Support the Growth & Quality of Life of Our Community

**Transit Supportive Land Use** supports transit usage, **walkability** and **compact development** forms and help to **maximize activity** within station areas and corridors

## Pedestrian Connections:

*Illustrates the ways that pedestrians can access the transit facility from nearby sidewalks or pathways.*



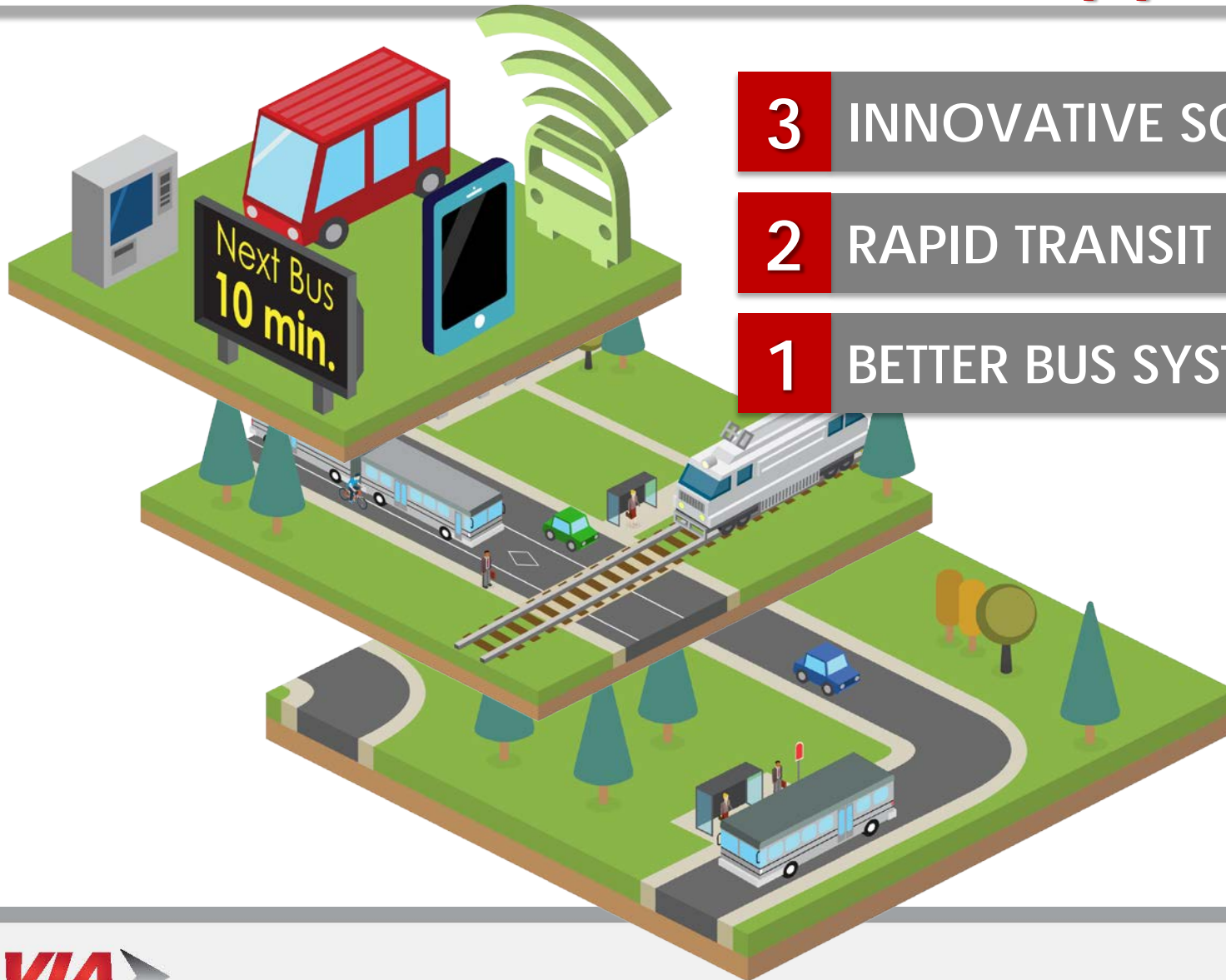
## Public Realm Characteristics:

*Illustrates the visual characteristics of the public realm.*





# Recommended Approach

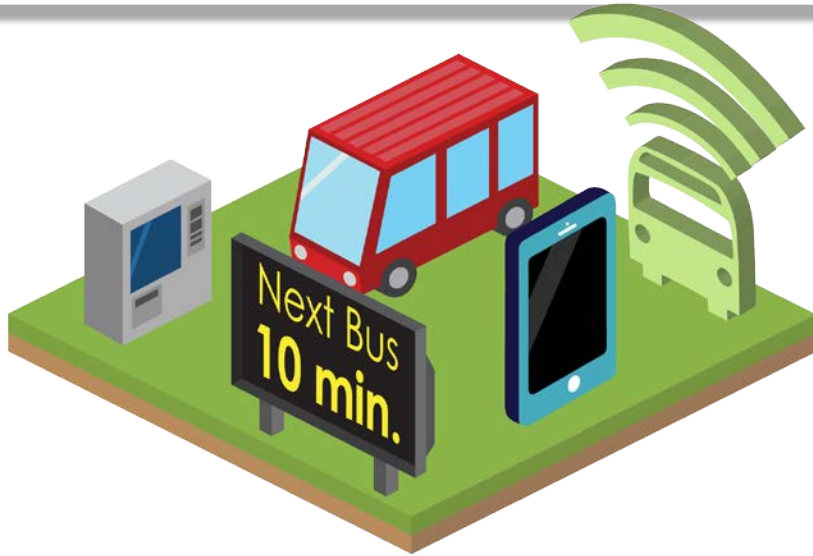


**3** INNOVATIVE SOLUTIONS

**2** RAPID TRANSIT NETWORK

**1** BETTER BUS SYSTEM

# Recommended Approach



## 3 INNOVATIVE SOLUTIONS

Carpool & Vanpool

HOV Lanes

Smart Systems (ITS)

Real Time Arrival Info

Mobile Fare Payment

Transportation Network  
Companies

Bike Share/Car Share

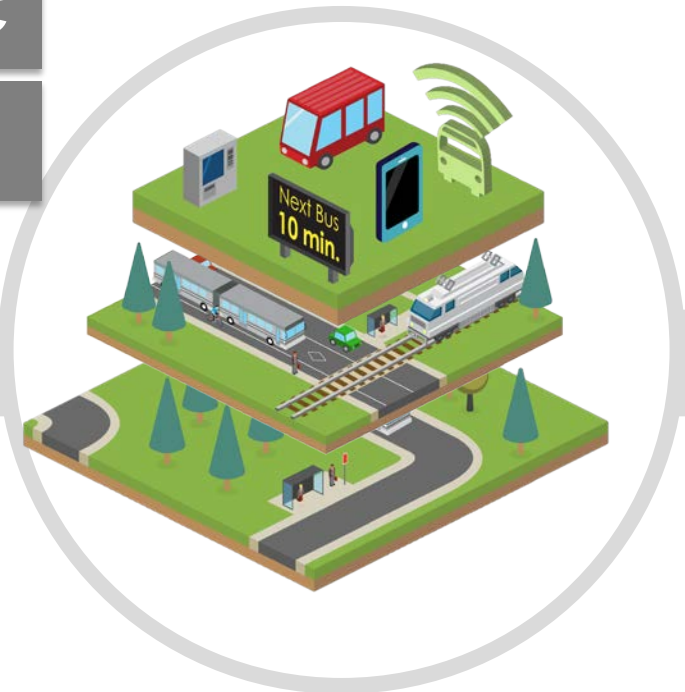
**A** REAL TIME INFORMATION

**B** EASIER FARE PAYMENT

**C** FLEXIBLE TRANSIT CHOICES

# What's Next - Implementation

- 1 Implementation Strategies
- 2 Public Outreach Round III & VTAC
- 3 Final Plan



# What's Next - Implementation

