



VISION ZERO

NEW MEXICO ITE

NOVEMBER 3, 2022

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City of Albuquerque

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vision zero

- 1 What is Vision Zero?

- 2 What are Vision Zero best practices?

- 3 Vision Zero in Albuquerque

- 4 Questions

1

What is Vision Zero?

Vision Zero is an approach to transportation safety that accepts **no loss of life or serious injury** on our transportation system.

Core Elements of Vision Zero Programs

- **Leadership and Commitment**
authentic engagement, strategic planning, project delivery
- **Safe roadways and safe speeds**
safe streets for all, context-appropriate speeds
- **Data-driven approach**
proactive, equity-focused planning, high-injury network

The *Safe Systems* Approach



source: visionzeronetwork.org

How is Vision Zero Different?

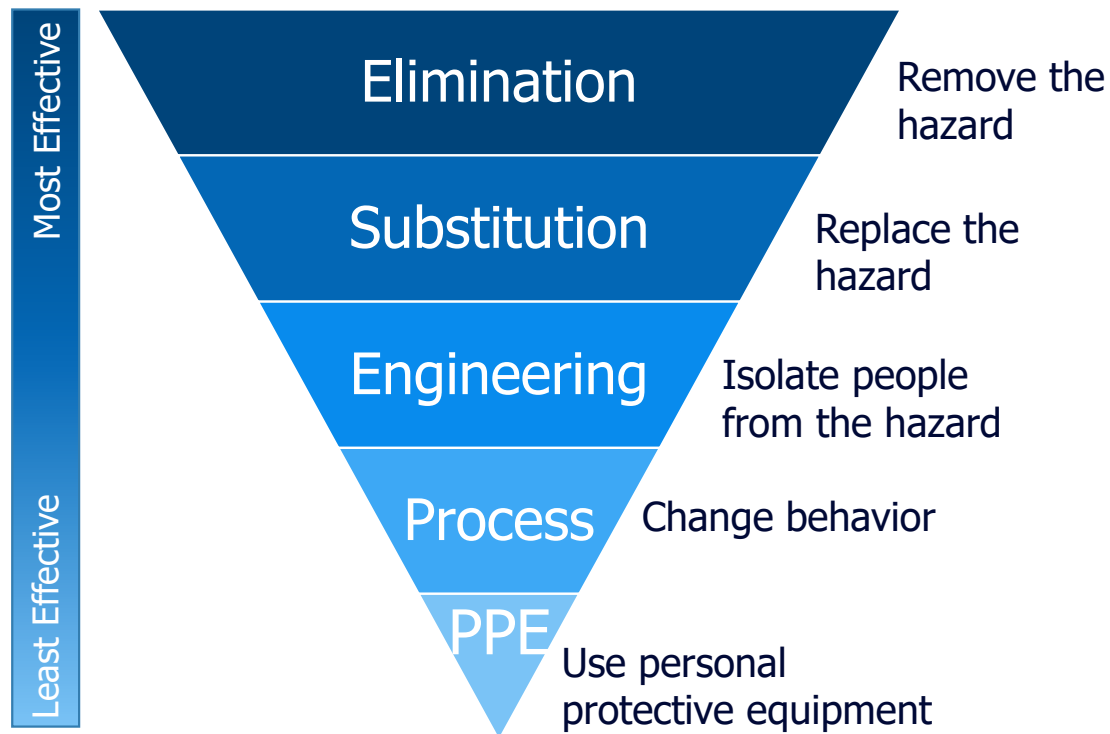
Traditional Approach	<i>Vision Zero Approach</i>
Traffic deaths are inevitable	<i>Traffic deaths are preventable</i>
Prevent collisions	<i>Prevent death and injury</i>
Perfect human behavior	<i>Integrate human error into approach</i>
Individual responsibility	<i>Safe Systems approach</i>

CRASH
~~ACCIDENT~~

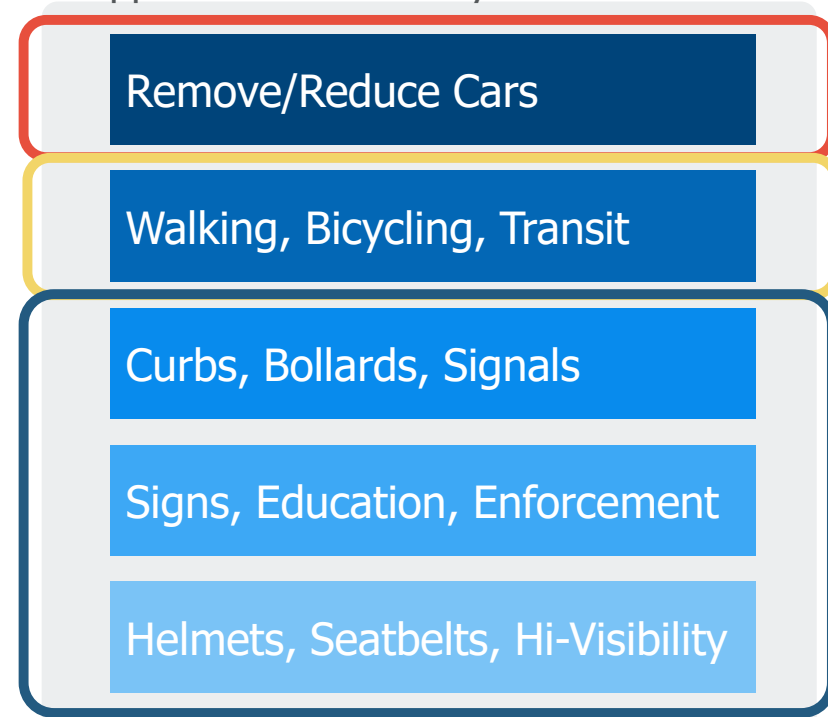
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Best Practices

A Concept for Vision Zero

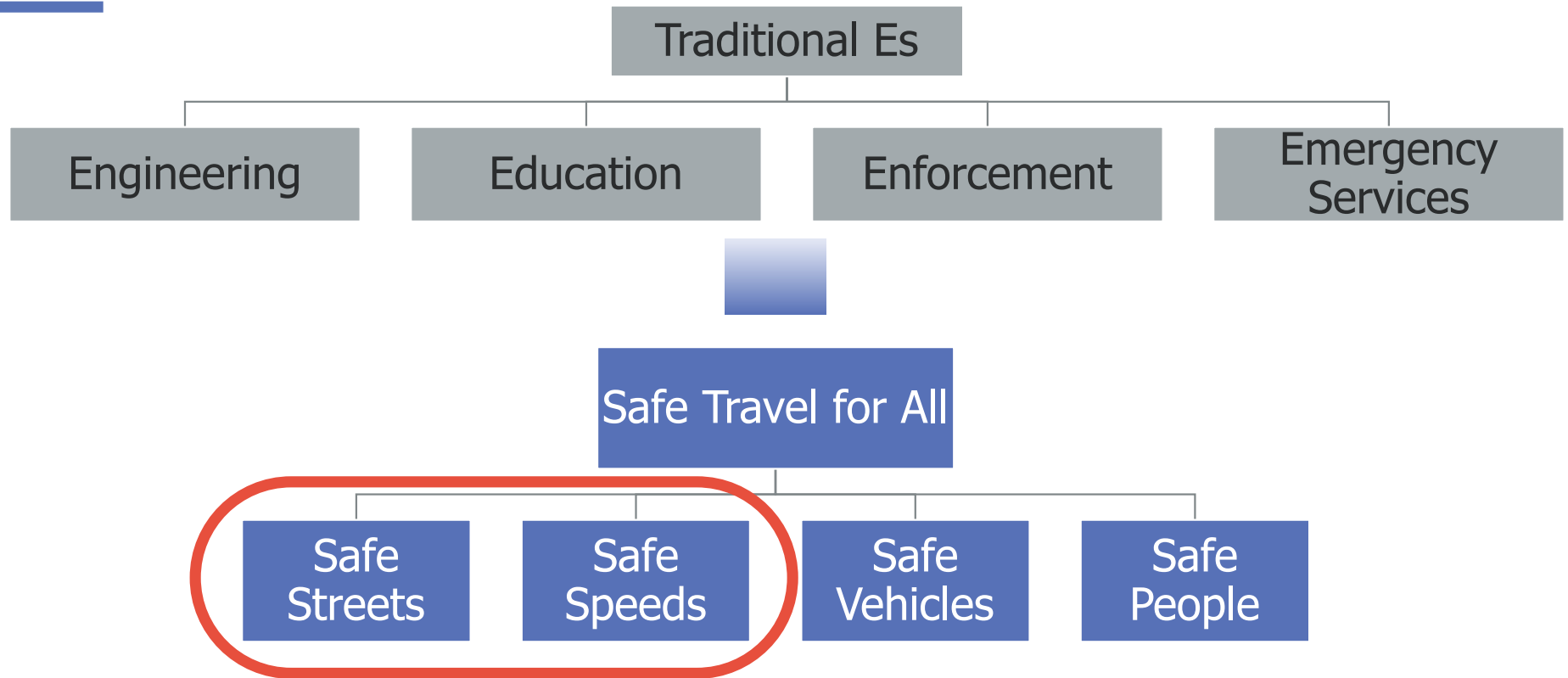


Applied to street safety



Based on CDC, National Institute for Occupational Safety and Health (NIOSH)
Adapted from Queen Anne Greenways.

Foundations of a *Safe System*



Safe Streets

- **Physically separate**
people walking and biking from drivers
- **Separate by space and time**
via space (infrastructure), or time (traffic signals)

THE IMPORTANCE OF SPEED MANAGEMENT

Hit by a vehicle
traveling at:

20 MPH



9 OUT OF 10 PEDESTRIANS SURVIVE



30 MPH



5 OUT OF 10 PEDESTRIANS SURVIVE



40 MPH



1 OUT OF 10 PEDESTRIANS SURVIVE



Safe Speeds

- **Design streets for desired speed**
not just predominant speeds
- **Prioritize lower speeds**
where people are walking or biking

Common Roadblocks to Promoting a Culture of Safety



Community Opposition

neighbors oppose a parking lane being repurposed into a separated bike lane



Political Reluctance

councilmember votes to reprioritize traffic safety funding

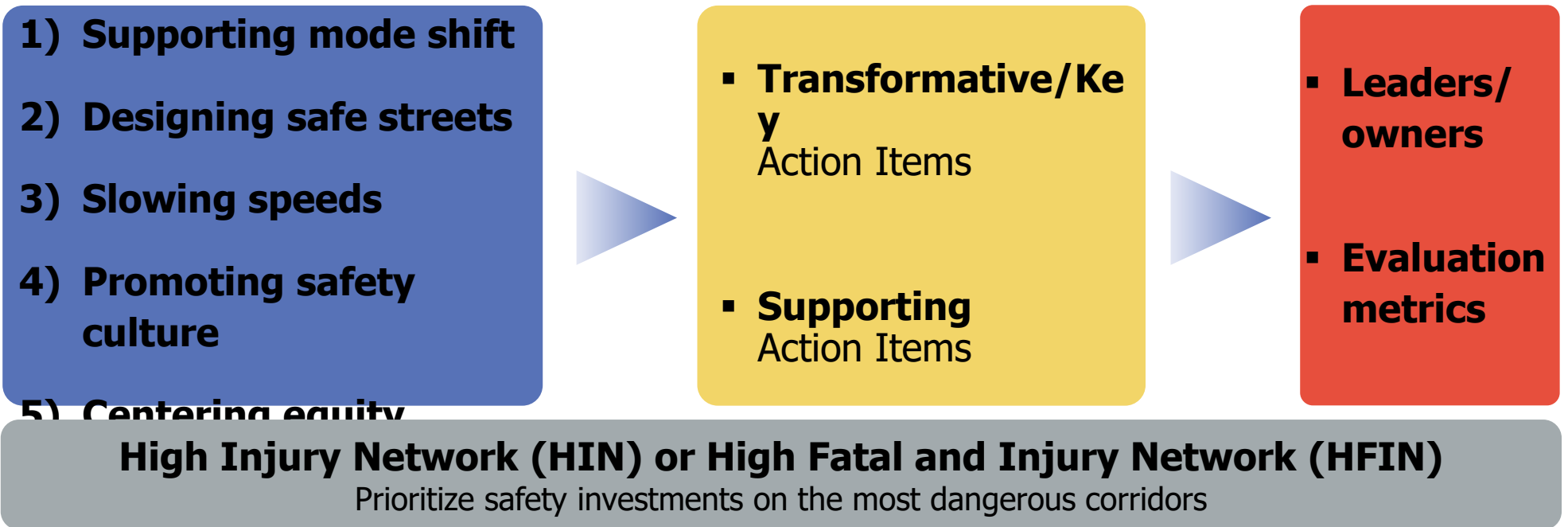


Internal Practice

standards require minimum target travel times on corridors

“Why ‘Vision Zero’ Hit a Wall”, Bloomberg, April 2022:
https://www.bloomberg.com/news/features/2022-04-11/-vision-zero-at-a-crossroads-as-u-s-traffic-death-rise?utm_source=pocket-newtab

Action Plan Core Principles



3

Vision Zero in Albuquerque

The New York Times

Pedestrian Deaths Spike in U.S. as Reckless Driving Surges

Fatalities are climbing to record levels two years into the pandemic. Authorities cite drivers' anxiety levels, larger vehicles and fraying social norms.

Albuquerque metro ranked second most dangerous for pedestrians

New Mexico ranks #1 for pedestrian deaths

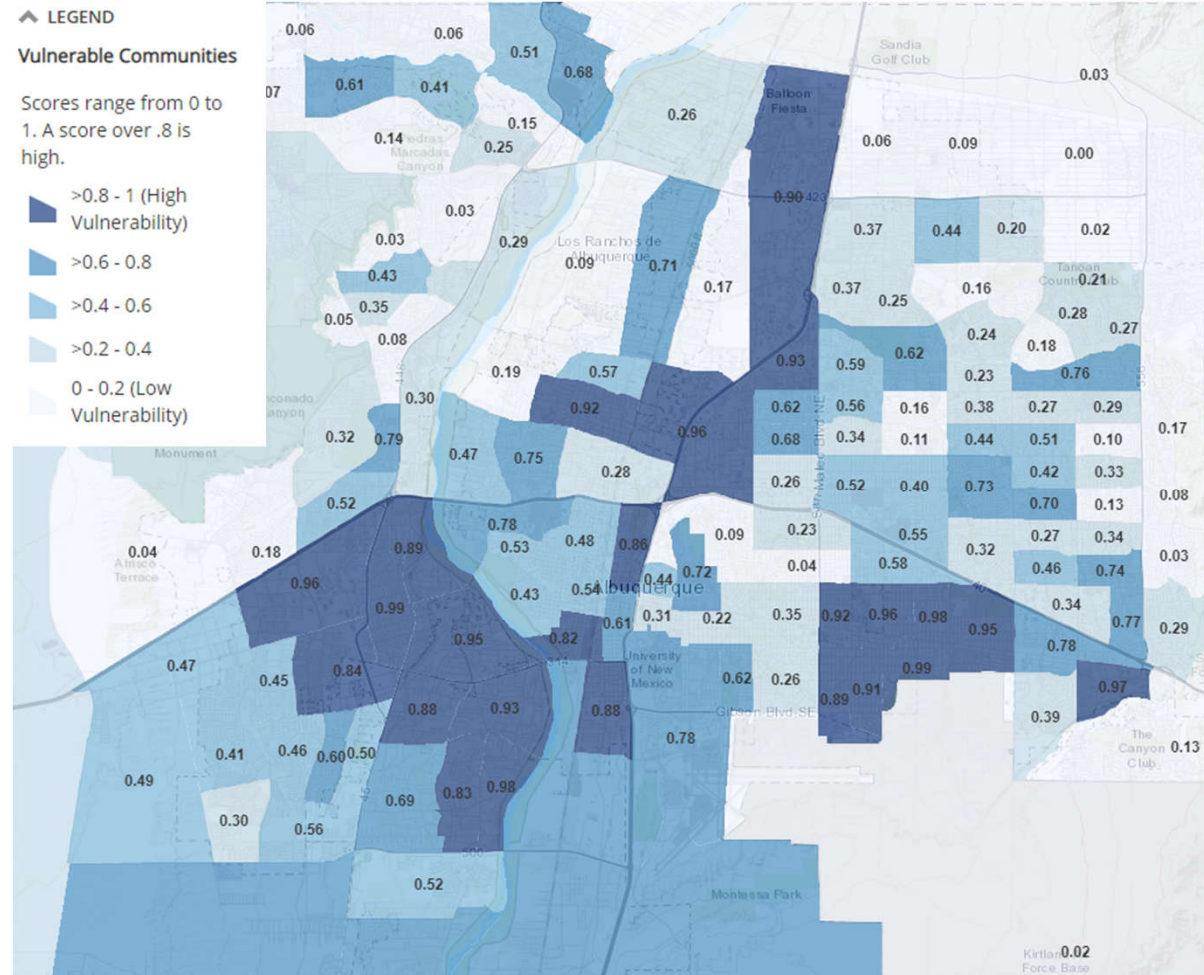
NM has highest pedestrian fatality rate in US

Vulnerability Index

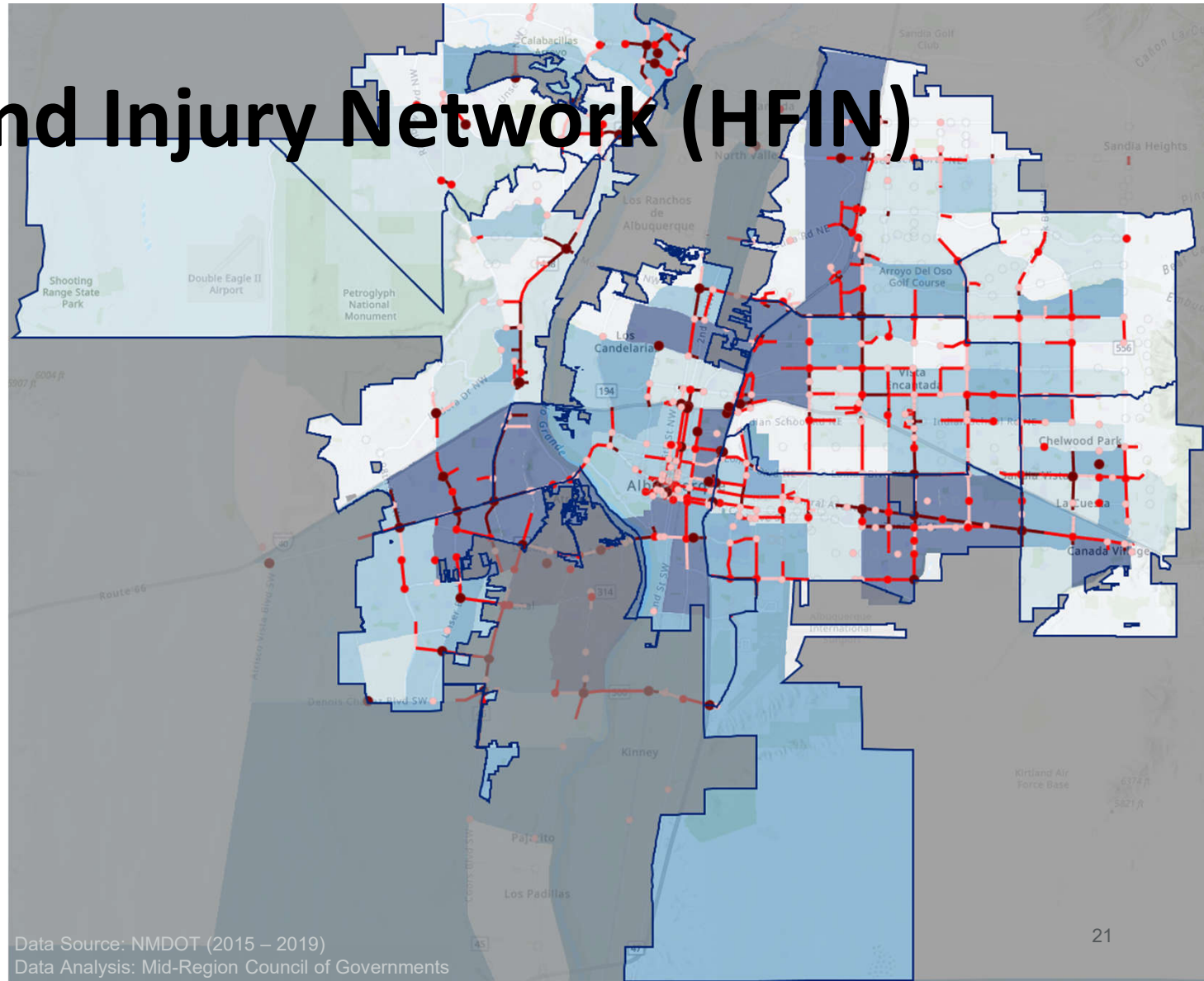
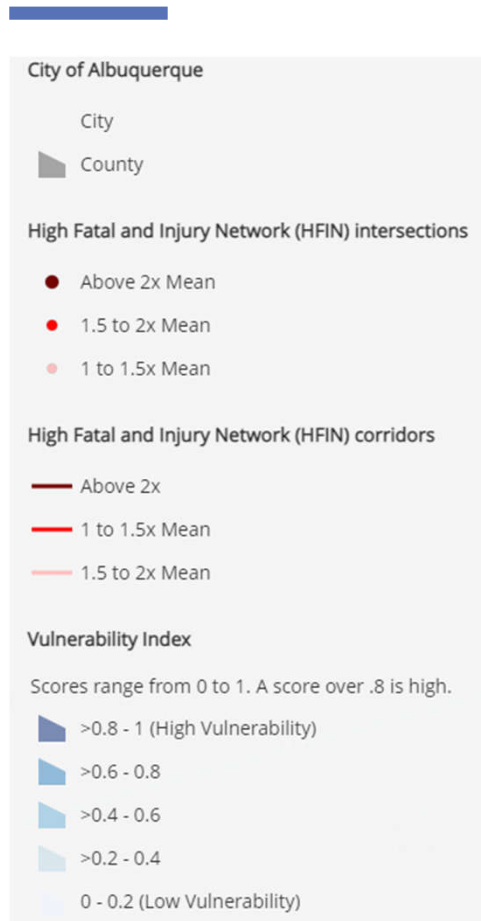
- Developed by the Centers for Disease Control and Prevention (CDC) (2018)

Vulnerability Indicators

- Per capita income
- Population 65+
- Population 17 and under
- People with a disability
- Non-white population
- Limited English proficiency
- Multi-family (10+ units)
- Households with no vehicle



High Fatal and Injury Network (HFIN)



ABQ Action Plan Thematic Goals

Engineering + Design

Prioritize the safety of all road users using Complete Streets design principles

Safe Speeds

Implement speed management

Policy, Regulation + Practice

Establish equitable policies, regulations, and practices

Education + Encouragement

Promote a culture of safety and care among all road users

Walking + Rolling

Increase opportunities for people to safely walk, bike, use mobility devices, and take transit

Data + Transparency

Use data to make decisions, prioritize funding, and evaluate traffic safety projects

Engineering + Design

2022 Complete Streets

- 5.4 miles of new bike lanes
- 5.3 miles of new buffered bike lanes
- 2.7 miles of bike lanes expanded to meet or exceed current minimum width of 5 feet
- 4 miles of new bike routes
- 18.2 miles of narrowing the driving lane
- 11 miles striped parking added to narrow roadway
- 1 mile road diet
- 79 intersections with new daylighting
- 48 new or refreshed high visibility crosswalks

Other efforts:

- **Louisiana Blvd Vision Zero Improvements (in design)**
- Low cost/high impact: LPIs/highviz crosswalks

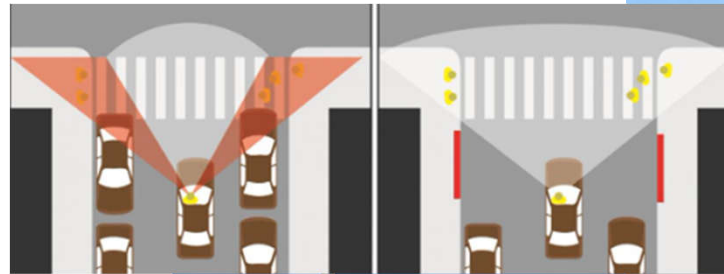
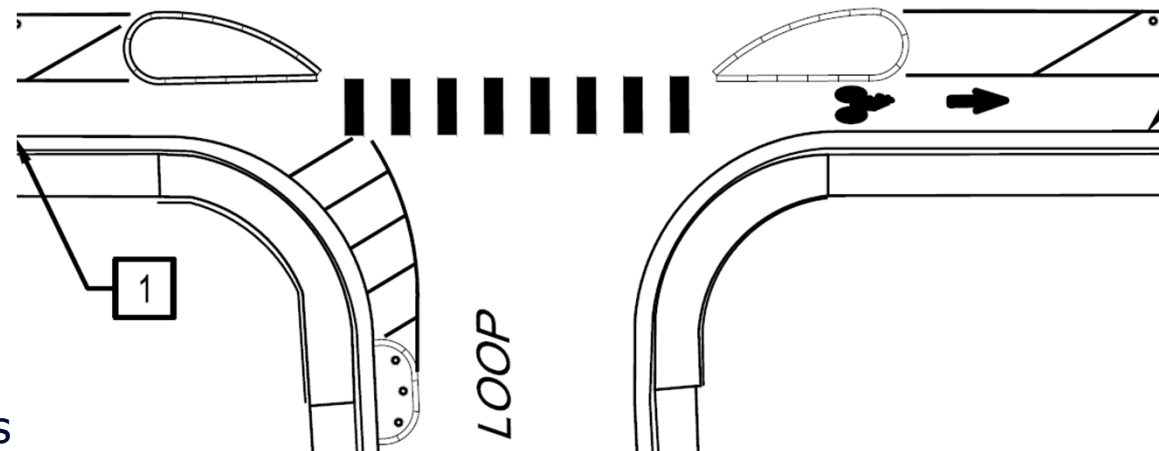


Photo Source: SFMTA



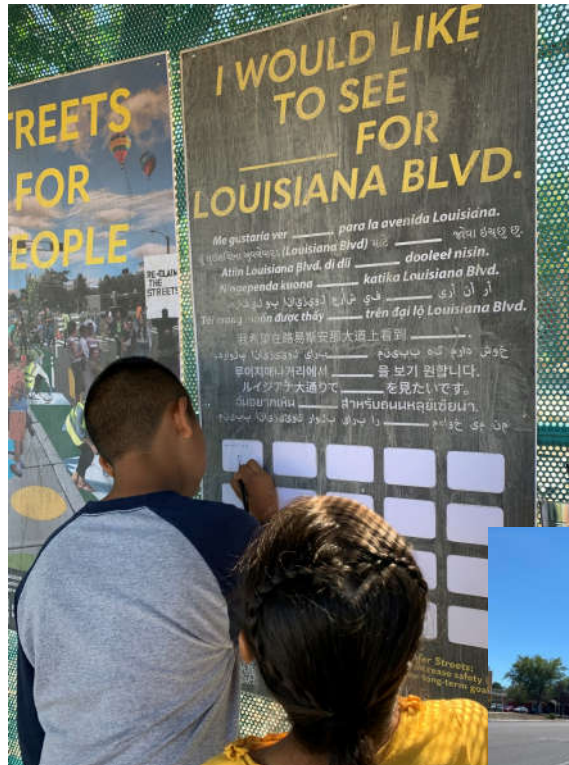
Louisiana Blvd Vision Zero Improvement

- 2020 Road Safety Audit
- 2021: Implementation of LPIs
 - Trumbull
 - Southern
 - Kathryn
- 2021: Consultant to further study and design solutions for corridor + community engagement
- 2022: Phase 1 Design
 - Road diet
 - Bike lanes
 - Paint/post bulb outs
- 2023: Implementation Phase 1
- Future implementation phases
 - Mid-block crossings
 - Sidewalk improvements
 - Lighting
 - Improved delineation for bike lanes



Louisiana Blvd Vision Zero Imp

- In order to keep our streets safe, how about helping homeless, how about helping people to get rehabilitation from drugs or other mental illnesses
- Taking back safety from crime!
- A lot more cops
- People obeying traffic lights
- Better traffic lights
- Less needles and drugs
- Slower speeds**
- A crosswalk at Louisiana and Continental
- Arboles
- Mufflers fixed. Noise ordinance enforced by cops
- Speeding tickets on Gibson also
- The only way to get street is to get rid of all the homeless people and people help for there drug problem
- Never give up on yourself
- Por los ninos
- Por todas las personas
- Luminas
- Music on the buses
- The buses stay clean
- Safety at bus stops and on the buses
- Noise ordinance - to loud
- More "creative" lighting for pedestrians (ie neon or LED lighting)
- Less speeding, more crosswalks for kids**
- More family activities, safe streets
- Free community bike shop
- Safer pedestrian crosswalks**



Received
37
comments

Safe Speeds

Automated Speed Enforcement program

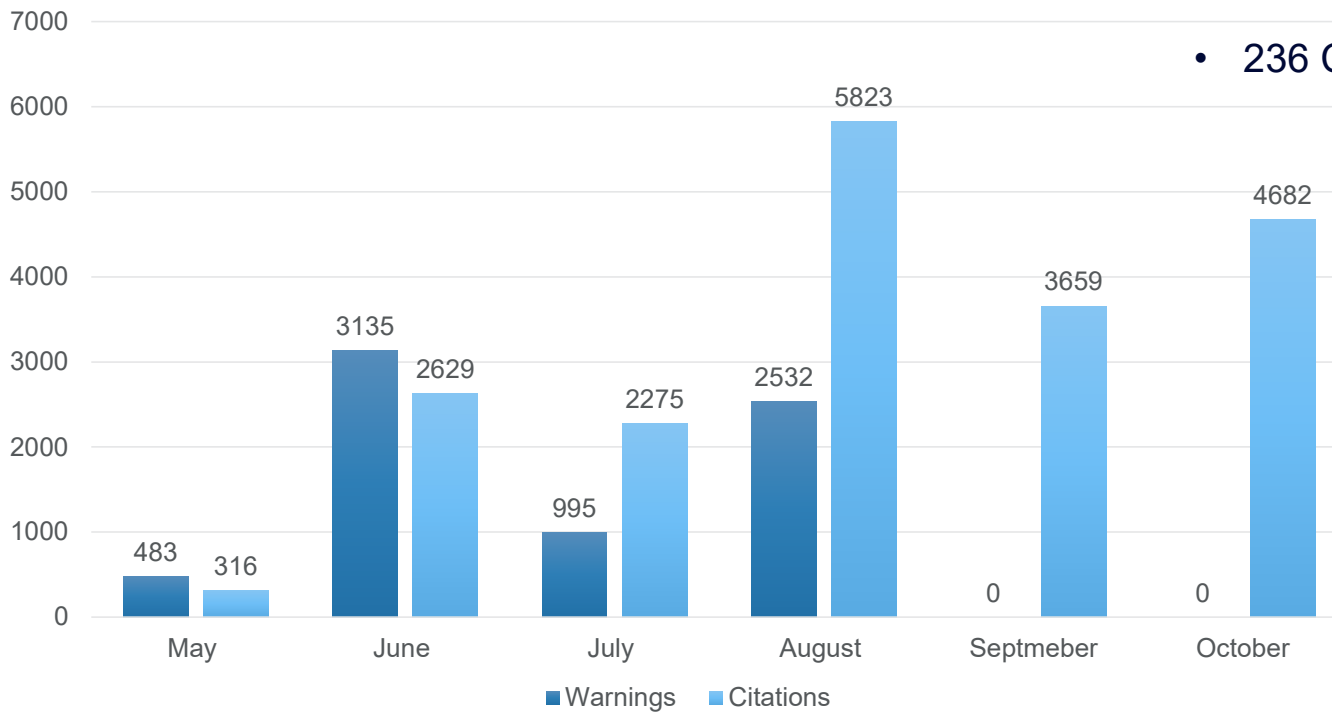
- Federal Highway Administration (FHWA) proven safety countermeasure
 - Fixed cameras: 54% crash reduction on urban principal arterials
 - 47% injury crash reduction
- High speed driving increases the frequency and severity of crashes—particularly for people walk or biking.
- Installed 11 speed safety cameras, with 9 additional cameras coming soon
- Citations \$100 (set by State statute)
 - In lieu of \$100, people can choose four hours community service



Safe Speeds

Automated Speed Enforcement program

Citations and Warnings



- Total Warnings: 7,145
- Total Citations: 19,384
- 236 Community Service hours completed

Data dates: May 25, 2022 – October 31, 2022

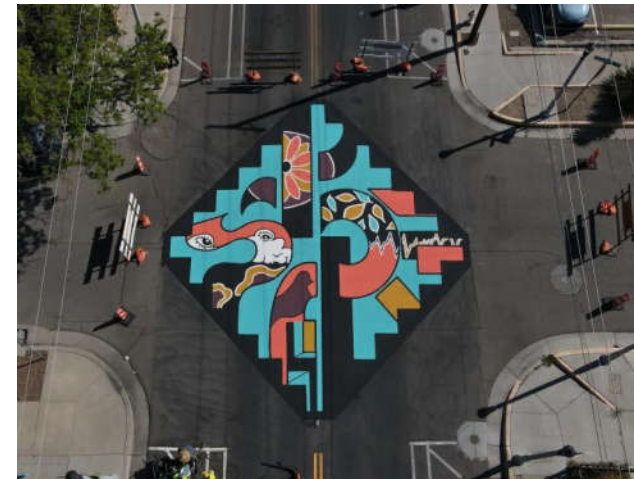
Policy, Regulation + Practice

- Reorganization of Greater ABQ Bicycling Advisory Committee (GABAC) to Greater ABQ Active Transportation Committee (GAATC)
- Bicycle and Trail Crossing Guide (completed spring 2022)
- Building capacity among City staff to understand best practices
- Bike Blvd Toolkit & Decision-Making Framework (in development)
- Update Bicycle and Trail Facility Plan (kicking off soon)



Education + Encouragement

- Coordination with NMDOT, APS, and City – looking into active transportation driver education
- Albuquerque Public School (APS) Vision Zero in schools initiative
- Esperanza Bicycle Safety Education Center
- Expand opportunities to connect Vision Zero with local arts and cultural initiatives



Walking + Rolling

- Bike gap closure projects (three projects in design)
- Increase safe options to walk, bike, use mobility devices, and take transit
- Remove barriers for people to walk, bike, use mobility devices, and take transit
- Promote incentives or programs to encourage people to walk, bike, use mobility devices, and take transit

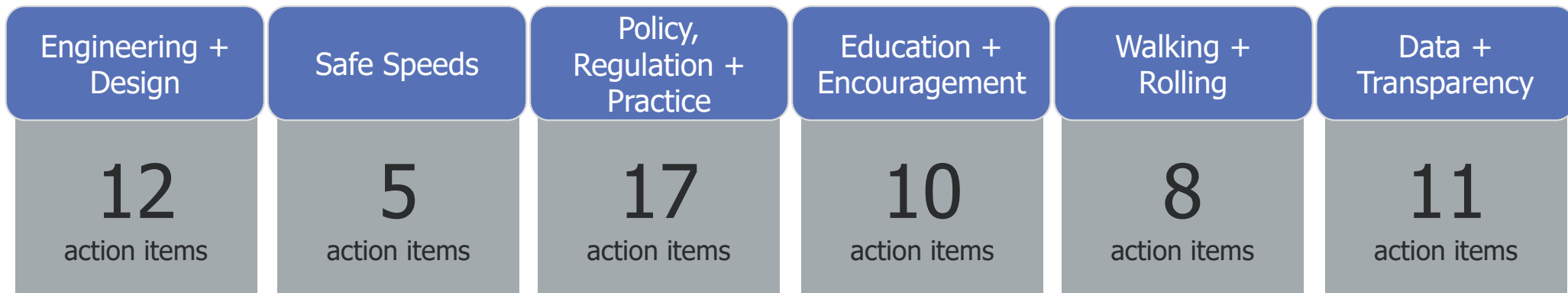


Data + Transparency

- Vision Zero Safety Toolkit (in development)
- Fatal crash review meetings (DMD, APD, MRCOG)
- (in development)
- **Vision Zero Year in Review + Prioritization Strategy** (in development)
 - Prioritize 63 actions
 - Identify/prioritize top 10 High Fatal and Injury Network corridors + intersections
 - Identify short and long term safety measures for each

Prioritization Strategy

Action Items



Prioritization Strategy

Early findings

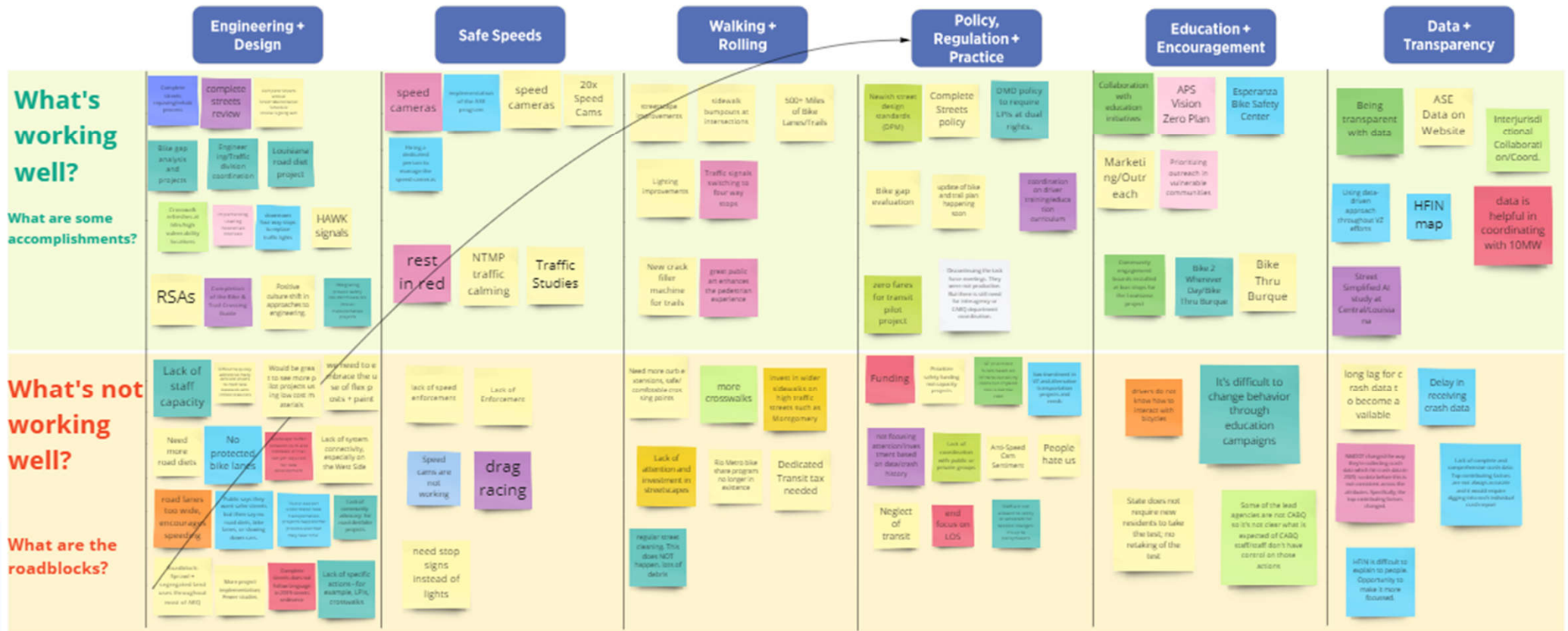
Includes

- ✓ **The five core principles**
- ✓ **Action items on safe design, safe speeds, and shift to active modes**
- ✓ **Centers equity**

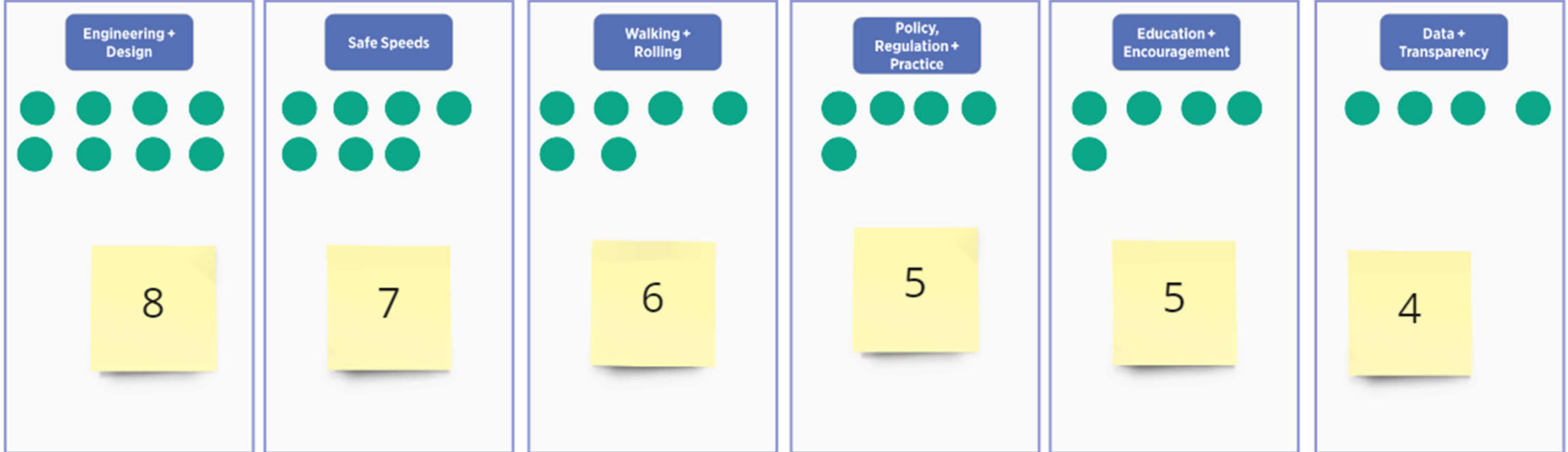
Missing

- **Prioritization of action items and HFIN**
- **Distinct themes – action items overlap**
- **Clear lead agencies**

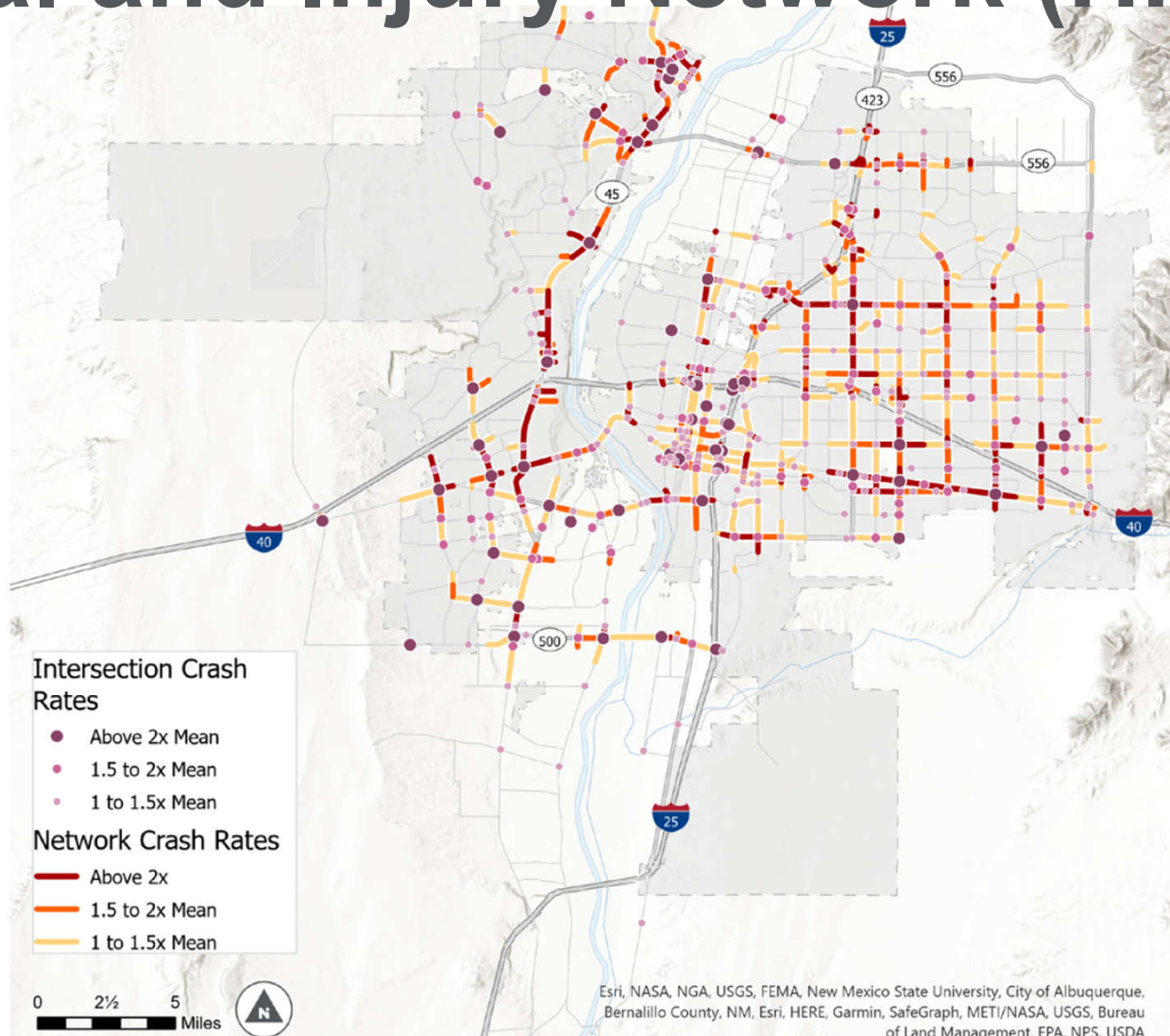
How Are We Doing?



What Three Goals Would You Like to Prioritize?



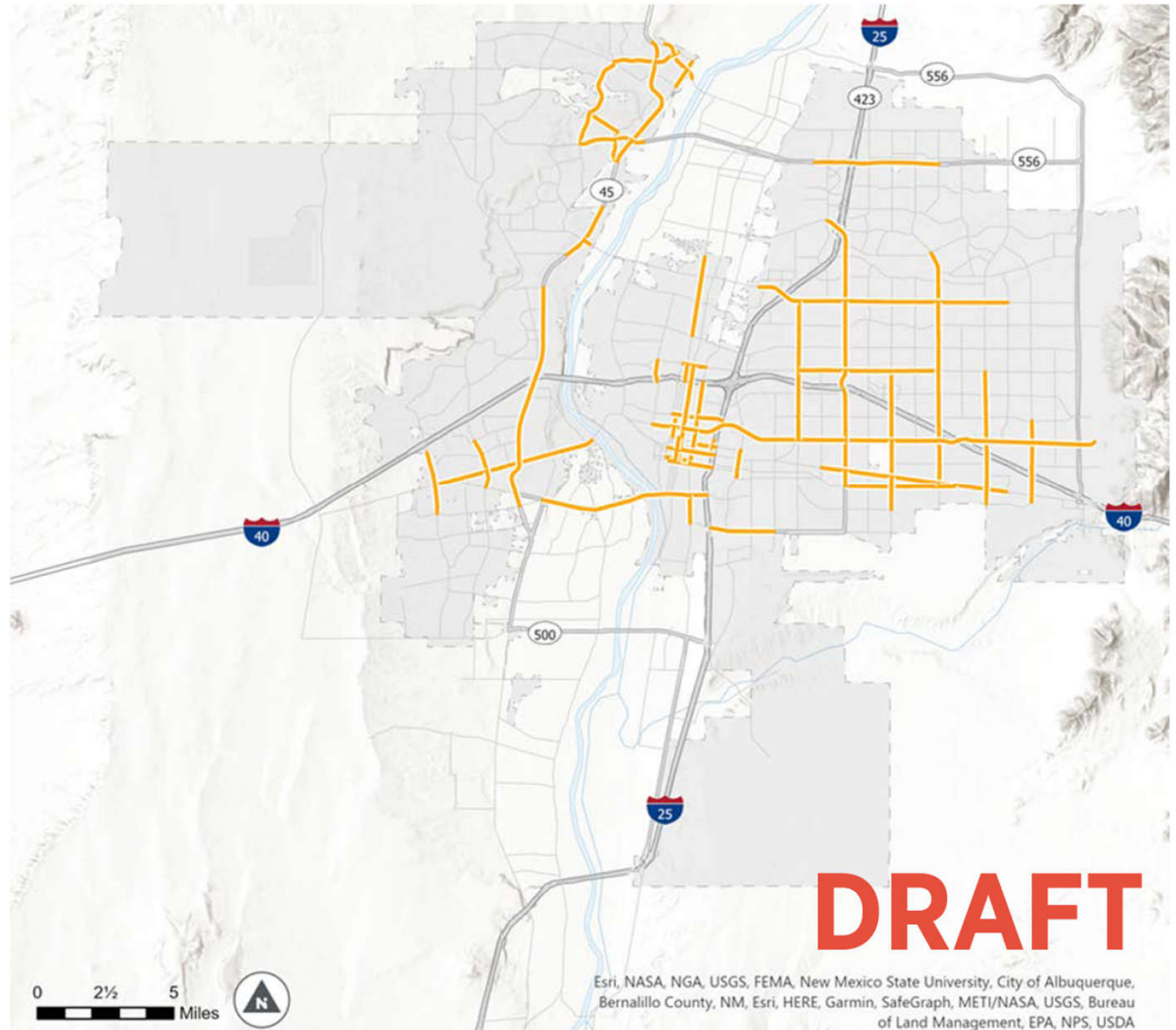
High Fatal and Injury Network (HFIN)



HFIN analysis
provided by MRCOG

DRAFT

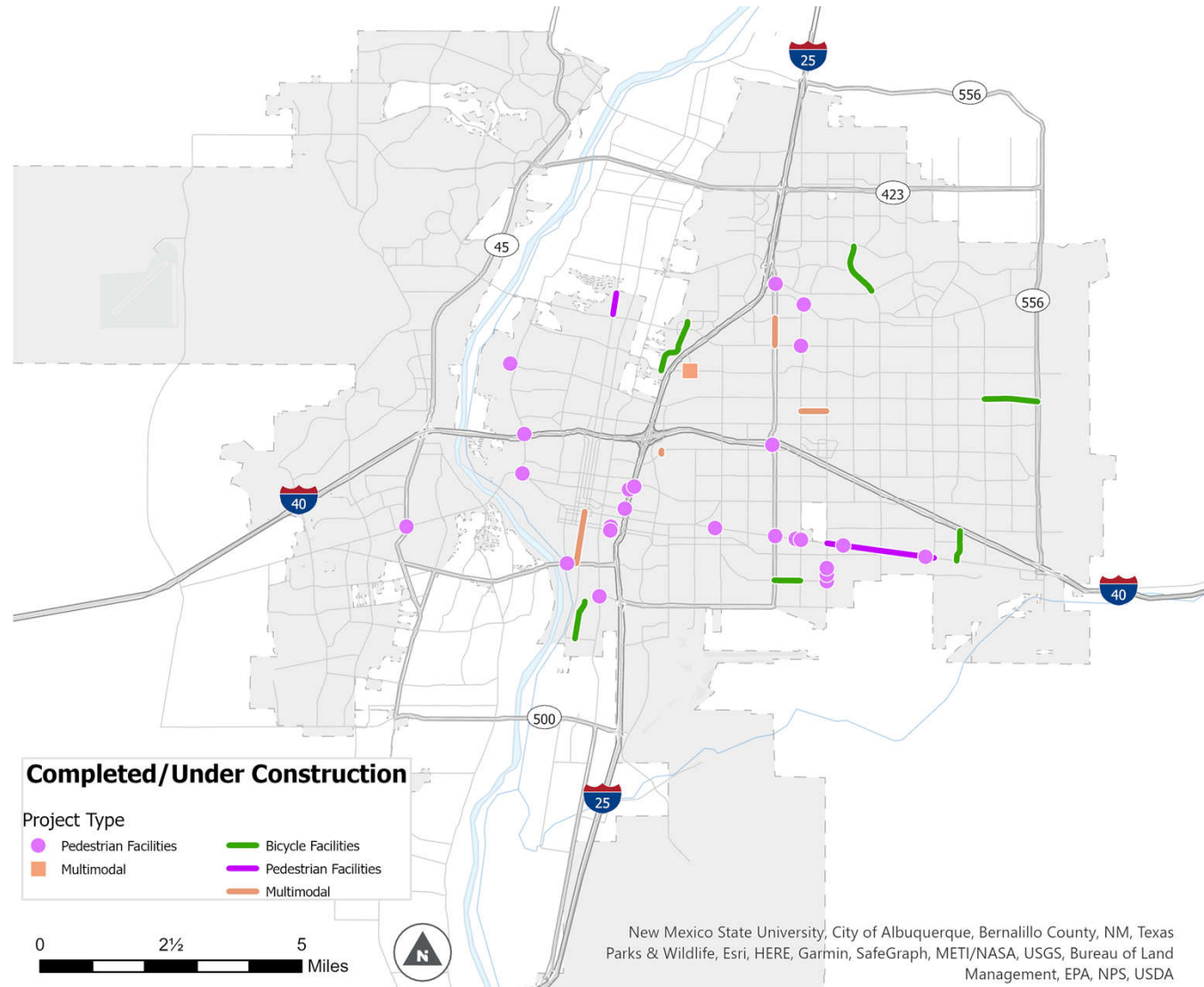
Prioritized High-Fatality + Injury Network (HFIN)



Map of Projects

(DRAFT)

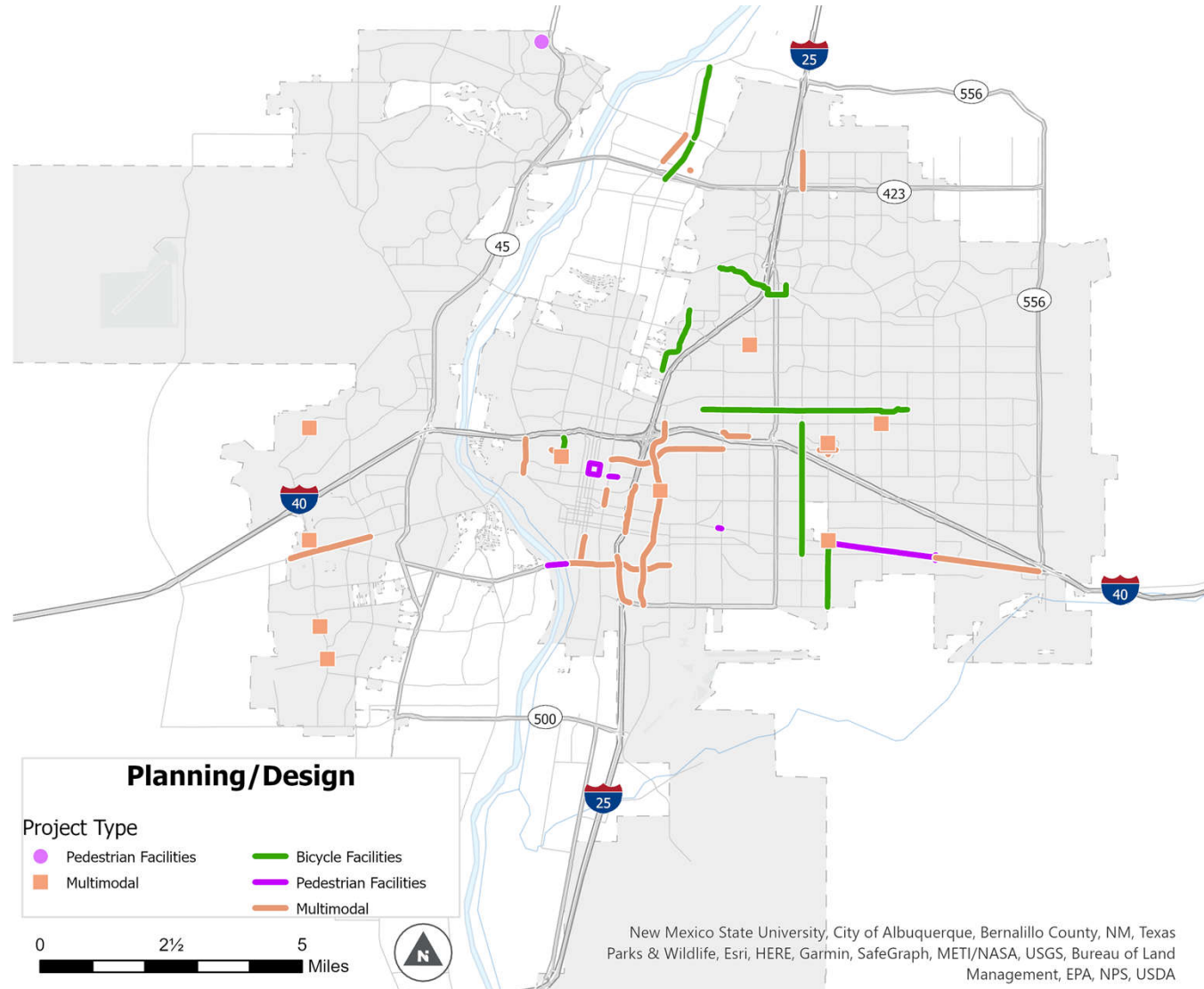
43 projects
completed or
under construction



Map of Projects

(DRAFT)

51 projects
in planning, being
studied, or in
design phase





THANK YOU! QUESTIONS?

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