



# THIRD & FOURTH STREETS



2-WAY CONVERSION STUDY

APRIL 8, 2020



AMERICAN  
STRUCTUREPOINT  
INC.

**MKSK**

# AGENDA

- 1** HOW TO PARTICIPATE IN THIS VIRTUAL MEETING
- 2** PROJECT BACKGROUND
- 3** HISTORY OF THE CORRIDORS
- 4** PROCESS
- 5** TRAFFIC CONSIDERATIONS
- 6** COMPLETE STREET CONSIDERATIONS
- 7** NEXT STEPS

# HOW YOU CAN PARTICIPATE IN THIS VIRTUAL MEETING

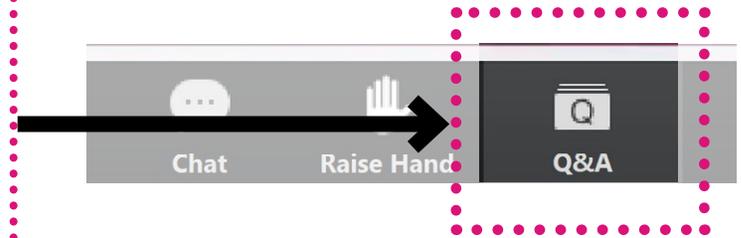
**1** EMAIL QUESTIONS TO: [akowalski@mkskstudios.com](mailto:akowalski@mkskstudios.com)

OR

**2** PARTICIPATE IN **ZOOM Q&A** FEATURE

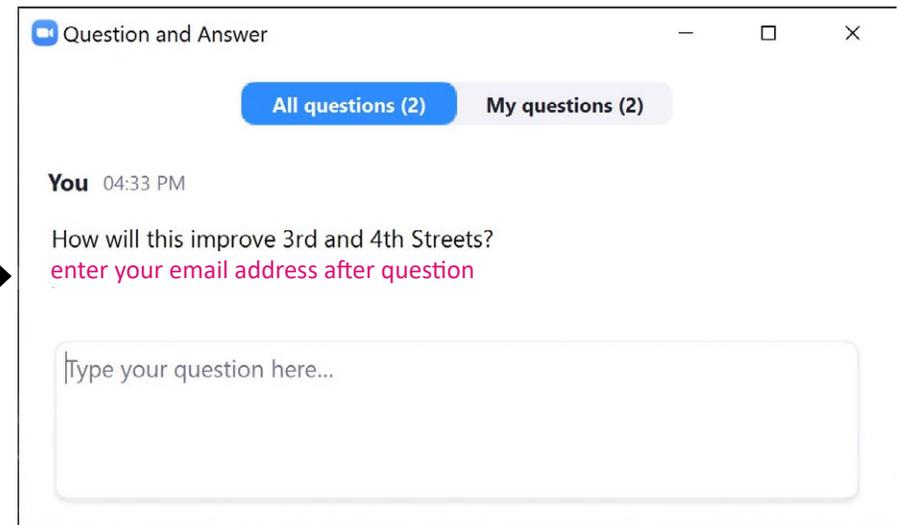
# HOW TO USE THE ZOOM Q+A FEATURE

HOVER OVER THE BOTTOM OF YOUR SCREEN  
AND CLICK THE **Q&A** BUTTON



**THEN**

FILL IN THE QUESTION BOX AND  
INCLUDE YOUR EMAIL ADDRESS



# HOW TO SEE ANSWERS TO YOUR QUESTIONS OR COMMENTS

CHECK THE THE CITY'S FACEBOOK PAGE: **@LafayetteIN**

THEN

CLICK ON THE **3rd and 4th Street Conversion** EVENT PAGE

The screenshot shows the Facebook interface for the event "Feasibility Study: Conversion of 3rd & 4th Streets to Two-Way". The event is scheduled for Wednesday, April 8, 2020, at 7:00 PM EDT. It is a public event hosted by the City of Lafayette. The event details include the date, time, and location. A login overlay is visible on the right side of the page, showing fields for "Email or Phone" and "Password", along with "Log In" and "Sign Up" buttons. The event page also shows a list of related events, including "2020 Lincoln Day Dinner", "TASTE of Tippecanoe", and "Business Expo 2020".

# HOW TO SEE ANSWERS TO YOUR QUESTIONS OR COMMENTS

## GO TO THE CITY'S ECONOMIC DEVELOPMENT WEBPAGE

[www.lafayette.in.gov/187/Economic-Development](http://www.lafayette.in.gov/187/Economic-Development)

Create an Account - Increase your productivity, customize your experience, and engage in information you care about. Sign In

Government Services Our Community **Business & Development** How Do I... Transparency

Area Plan Commission  
Bid Opportunities  
Building and Development  
Economic Development Forms and Applications  
Current Projects  
Economic Development Department  
Greater Lafayette Commerce  
Projects & News  
Tax Abatement  
Historic Preservation  
Development and Investment Opportunities

**Did You Know...**  
Our economic development department oversees various programs and opportunities to help businesses thrive, from assistance tools to training we are here to help local business succeed.

**Contact Us**

**Economic Development**

**Guiding Growth**  
As our community moves from good to great, the city's economic development team serves as a ready resource for businesses and industries. Lending a hand in redevelopment and smart growth also headlines activities.

Among the city's economic development activities:

- Programs that nurture and guide city growth
- Opportunities that encourage innovation and startups
- Assistance with site selection, zoning matters, financial incentives and other areas
- National and international outreach
- Guidance for those planning developments or redeveloping properties

**Quick Links**

[TIF: Moving at the Speed of Business](#)

**Dennis Carson**  
Director

Enable Google Translate

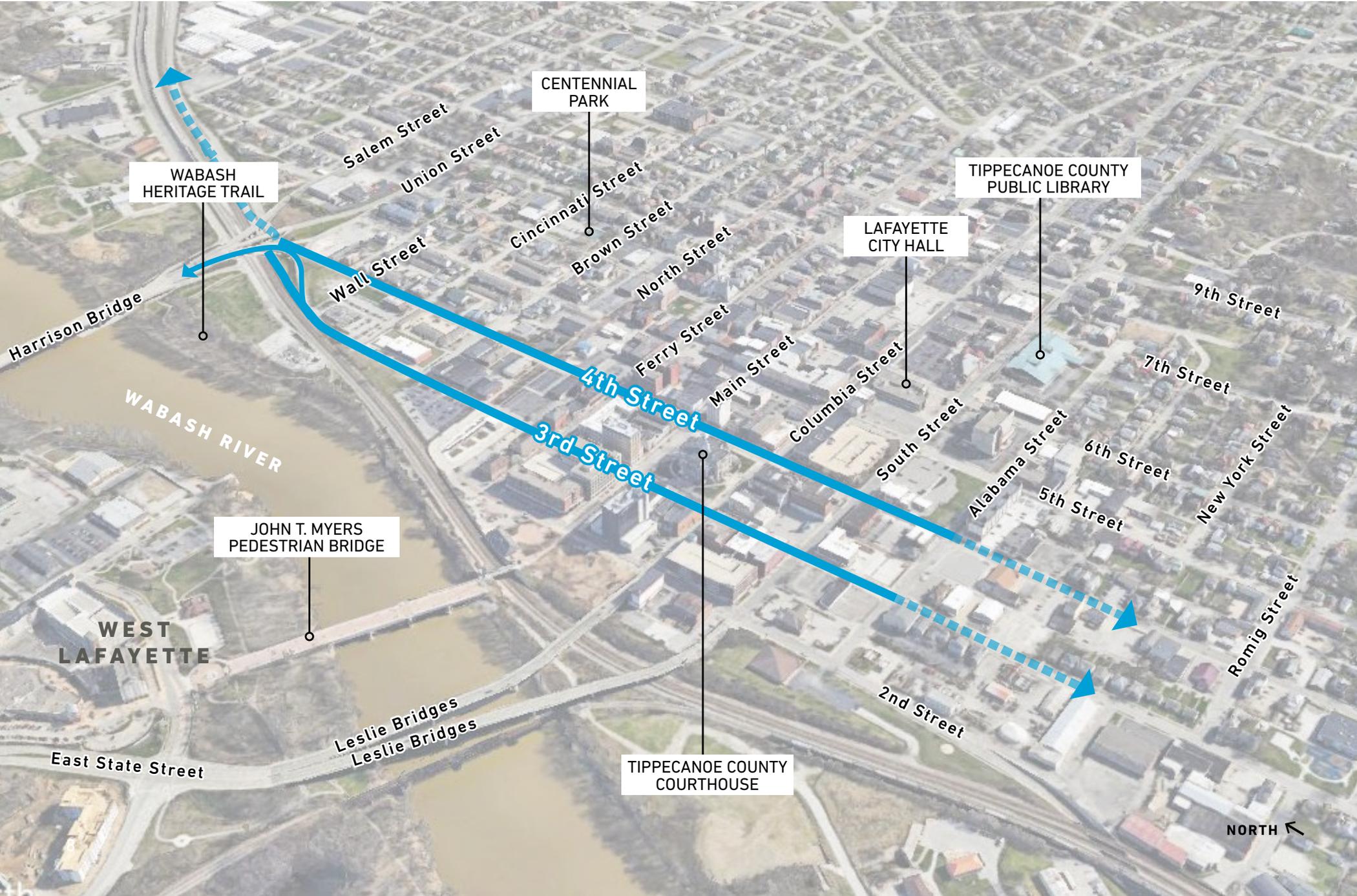
**CLICK QUICKLINKS**



**PROJECT BACKGROUND**

# OUR STUDY AREA

- EXISTING TWO-WAY STREETS
- EXISTING ONE-WAY STREETS

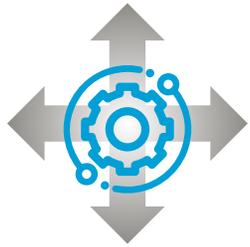


# WHAT WE'RE STUDYING

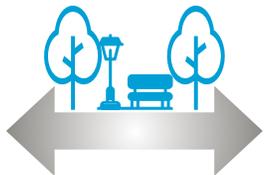


**The feasibility of converting 3rd and 4th Streets in Downtown from one-way to two-way streets.**

(from Union Street to Alabama Street)



**Conceptual configurations of the Union Street / 3rd Street / 4th Street area.**



**Short-term and long-term placemaking opportunities along 3rd and 4th Streets.**

# THE BENEFITS OF ONE-WAY TO TWO-WAY CONVERSIONS

TWO WAY STREETS IN DOWNTOWN ENVIRONMENTS...

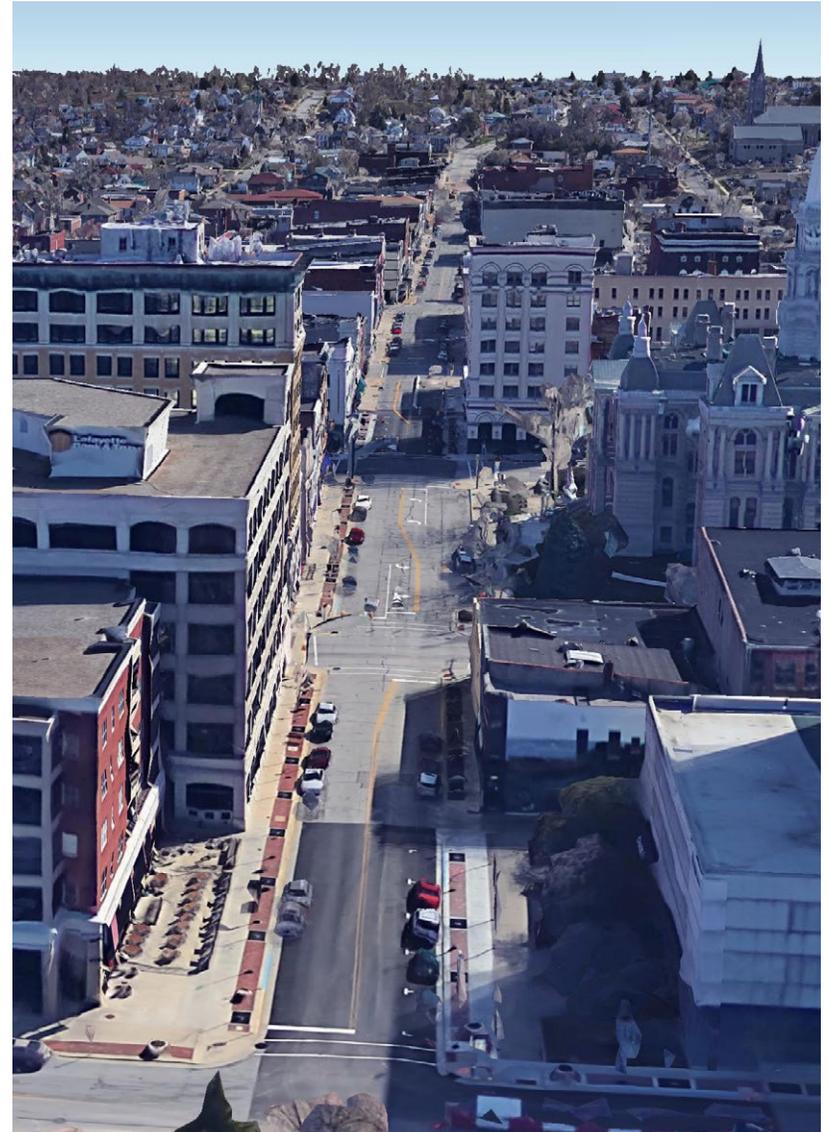
- Result in safer traffic speeds
- Reduce confusion for drivers
- Provide easier access and wayfinding for residential areas and businesses, which promotes activity and vibrancy
- Decrease vehicle miles traveled by eliminating indirect routes to destinations
- Result in safer pedestrian conditions and create livable, flexible streets
- Encourage new development



# A CASE STUDY: MAIN STREET

## AN OVERVIEW

- **Main Street conversion included nine city blocks and occurred in 1994**
- **Was a one-way couplet with Columbia Street prior to its conversion to two-way traffic; traffic study determined feasibility of conversion**
- **Conversion was part of railroad relocation and preceded much of downtown's redevelopment**
- **Conversion objectives were:**
  - » Enhance pedestrian environment
  - » Support and stimulate public and private development and redevelopment
  - » Directly increase revenues to downtown property owners and the city



# A CASE STUDY: MAIN STREET

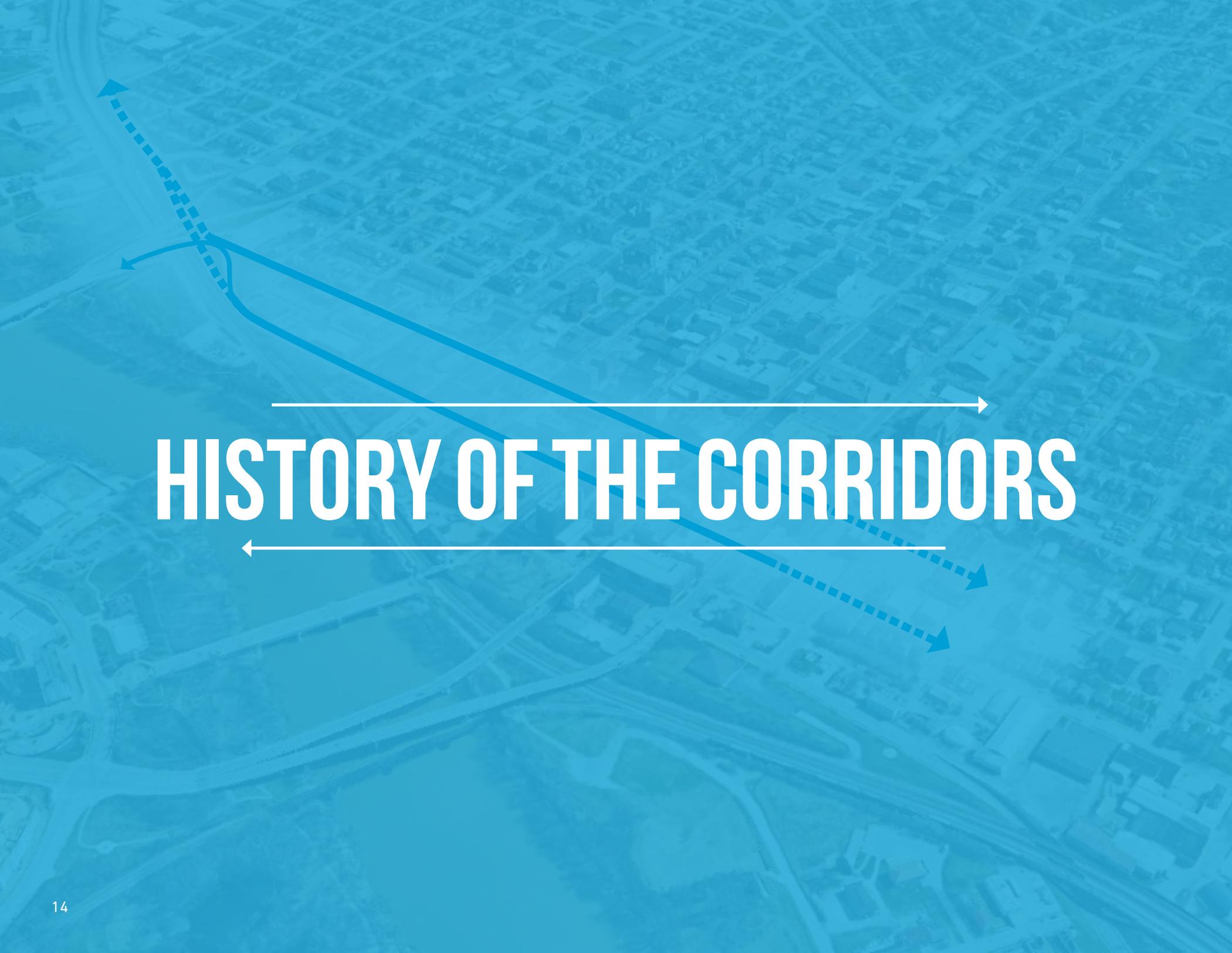
OUTCOMES *(based upon a 2010 independent study prepared for the City of Fargo, ND)*

- **Redevelopment/New Development...**
  - » New office development
  - » New residential units
  - » New retailers
  - » Significant redevelopment
- **Direct Economic Indicators...**
  - » Increased sales taxes
  - » Increased retail occupancy
  - » Increased office occupancy
  - » Increased office rental rates



# A CASE STUDY: MAIN STREET



An aerial photograph of a city grid is overlaid with a semi-transparent blue filter. A solid blue line starts from the top left, curves down, and then extends horizontally across the middle of the image. A dashed blue line starts from the top left, follows a similar path to the solid line, and then extends horizontally across the bottom of the image. Two white horizontal arrows are positioned above and below the text, pointing in opposite directions. The text 'HISTORY OF THE CORRIDORS' is centered in the middle of the image in a bold, white, sans-serif font.

# HISTORY OF THE CORRIDORS

## THIRD STREET

Looking north (current Fountain Trust Company building at lower right)

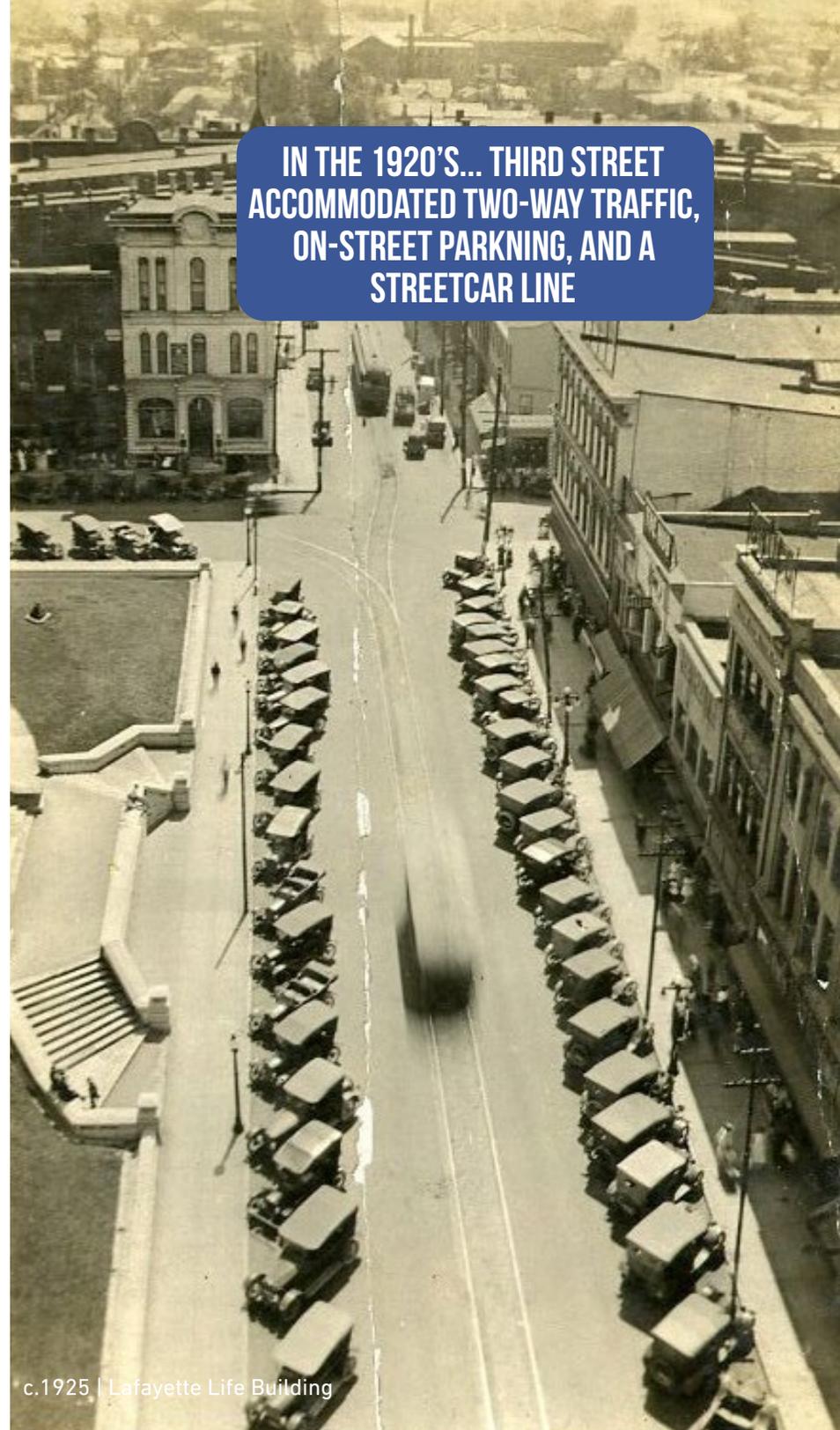


## THIRD STREET

West side of Courthouse Square



IN THE 1920'S... THIRD STREET ACCOMMODATED TWO-WAY TRAFFIC, ON-STREET PARKING, AND A STREETCAR LINE



## FOURTH STREET

Looking northeast from Courthouse Square at 4th & Main



**FOURTH STREET**  
East of Courthouse Square



## FOURTH STREET

Looking south from Courthouse Square (showing two-way traffic)

**FOURTH STREET HISTORICALLY  
ACCOMMODATED TWO-WAY  
TRAFFIC, TOO**



## FOURTH STREET

Looking north toward Thieme and Wagner Brewery



The background is a semi-transparent blue overlay on an aerial photograph of a city grid. A solid blue line starts from the top left, curves down, and then extends diagonally towards the bottom right. A dashed blue line follows a similar path but is positioned slightly higher and further to the right. Two white horizontal arrows are centered on the page: one pointing to the right above the word 'PROCESS' and one pointing to the left below it.

# PROCESS

# CONSULTANTS



AMERICAN  
**STRUCTUREPOINT**  
INC.

**MKSK**

## TRAFFIC ENGINEERING

Traffic Counts & Analysis  
Concept Alternatives  
Potential Impacts & Feasibility  
Mobility

## PLANNING & URBAN DESIGN

Public Engagement  
Public Realm Design  
Placemaking  
Multimodal Integration

# STUDY TASKS & ENGAGEMENT STRATEGY

MARCH 2020

MAY 2020

## Existing Conditions Analysis

- Review other relevant documents/information
- Conduct site visit to collect existing roadway geometric data & observe existing peak hour traffic operations
- Perform traffic counts of typical weekday vehicular traffic operations
- Perform vehicle capacity (Level-of-Service) analysis

## Conceptual Alternatives Development

- Develop conceptual alternatives for typical cross sections for 3rd & 4th Streets
- Develop preliminary conceptual road and bridge configurations for the Union/3rd/4th area
- Develop conceptual study of short-term and long-term placemaking opportunities for 3rd & 4th Streets

## Feasibility & Final Concepts

- Analyze feasibility of conceptual alternatives based on traffic analysis and redistribution, utilities, mobility, and urban design/development impacts
- Refine alternatives into final configuration and cross sections concepts
- Develop cost evaluation for roadway improvements, reconfiguration, and public realm design elements

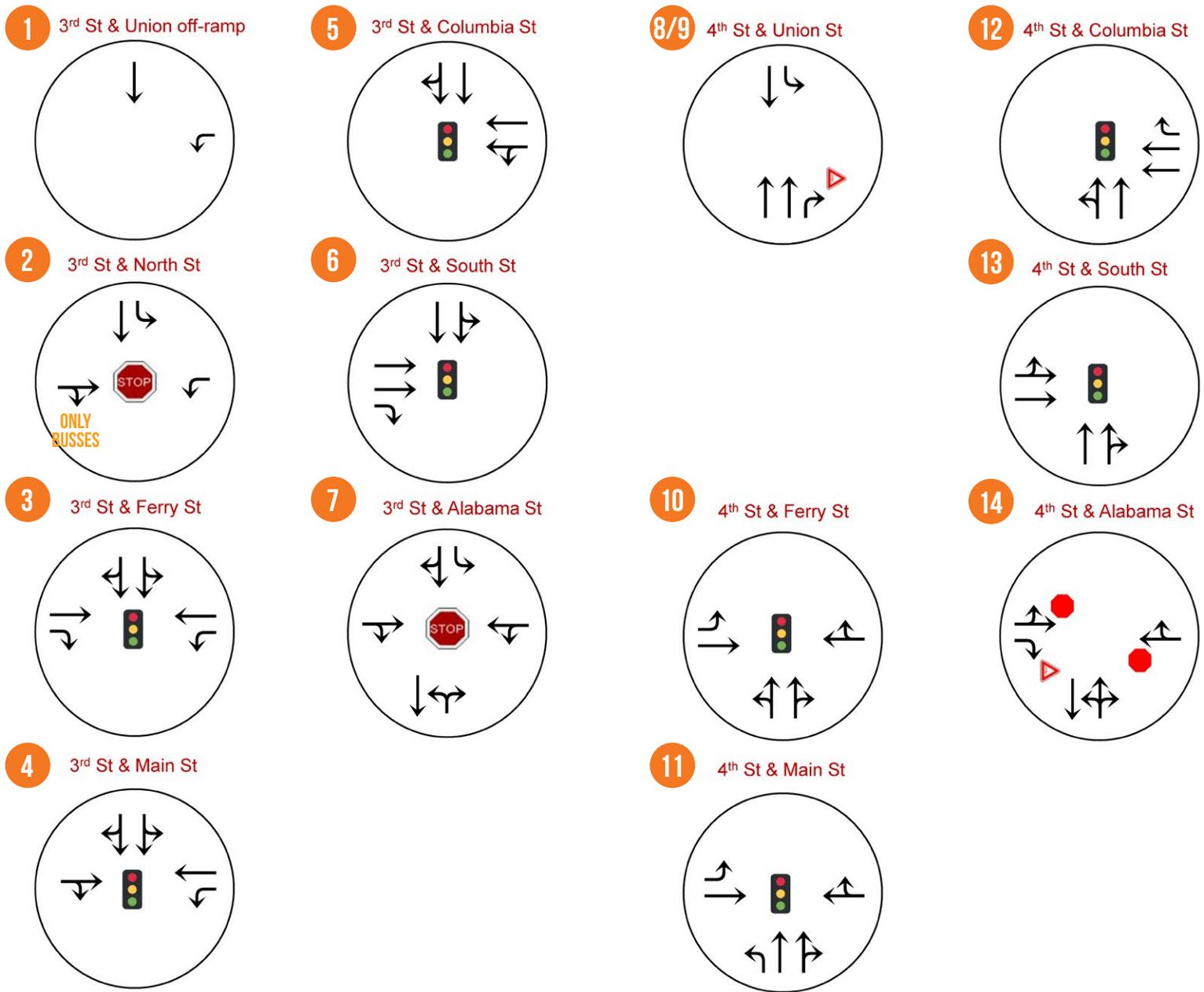
## ENGAGEMENT

- Project Steering Committee Meetings (3)
- Stakeholder Sessions
- Public Meetings (2)

The background is an aerial photograph of a city street grid, overlaid with a semi-transparent blue filter. A solid blue line starts from the top left, curves down, and then extends horizontally across the middle of the page. A dashed blue line branches off from the solid line at the top left, extending towards the top right. Another dashed blue line branches off from the solid line further down, extending towards the bottom right. Two white horizontal arrows are positioned above and below the main text, pointing in opposite directions.

# TRAFFIC CONSIDERATIONS

# EXISTING TRAFFIC CONTROL + LANE CONFIGURATION



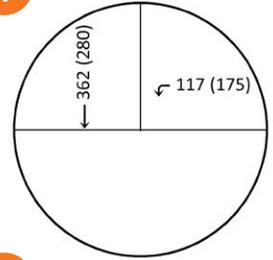
**Legend**

- Signalized Intersection
- All Way Stop-Controlled Intersection
- Stop-Controlled Movement
- Yield Control
- Study Intersection

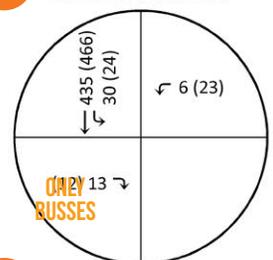
# EXISTING TRAFFIC VOLUME



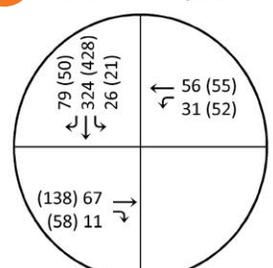
**1** 3<sup>rd</sup> St & Union off-ramp



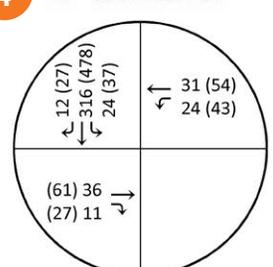
**2** 3<sup>rd</sup> St & North St



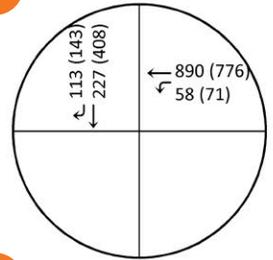
**3** 3<sup>rd</sup> St & Ferry St



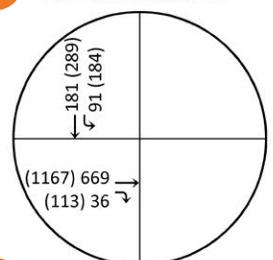
**4** 3<sup>rd</sup> St & Main St



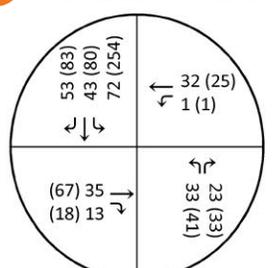
**5** 3<sup>rd</sup> St & Columbia St



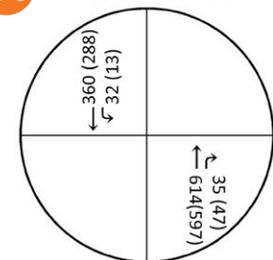
**6** 3<sup>rd</sup> St & South St



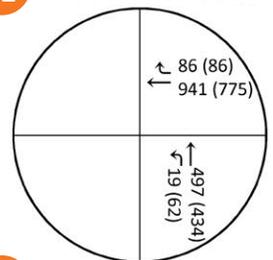
**7** 3<sup>rd</sup> St & Alabama St



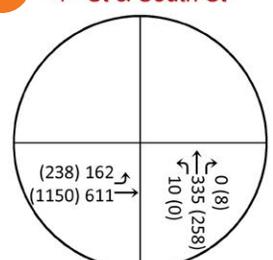
**8/9** 4<sup>th</sup> St & Union St



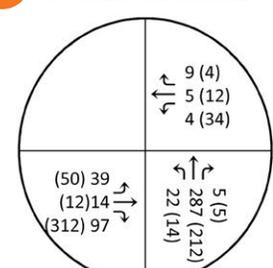
**12** 4<sup>th</sup> St & Columbia St



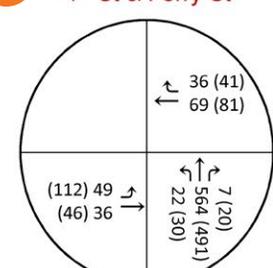
**13** 4<sup>th</sup> St & South St



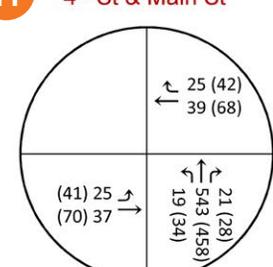
**14** 4<sup>th</sup> St & Alabama St



**10** 4<sup>th</sup> St & Ferry St



**11** 4<sup>th</sup> St & Main St



**Legend**

- 1** Study Intersection
- XXXX** Approximate ADT
- Xx (Xx)** AM (PM) Traffic Volumes
- Flow Direction

# CONCEPTUAL RECONFIGURATIONS



Harrison Bridge

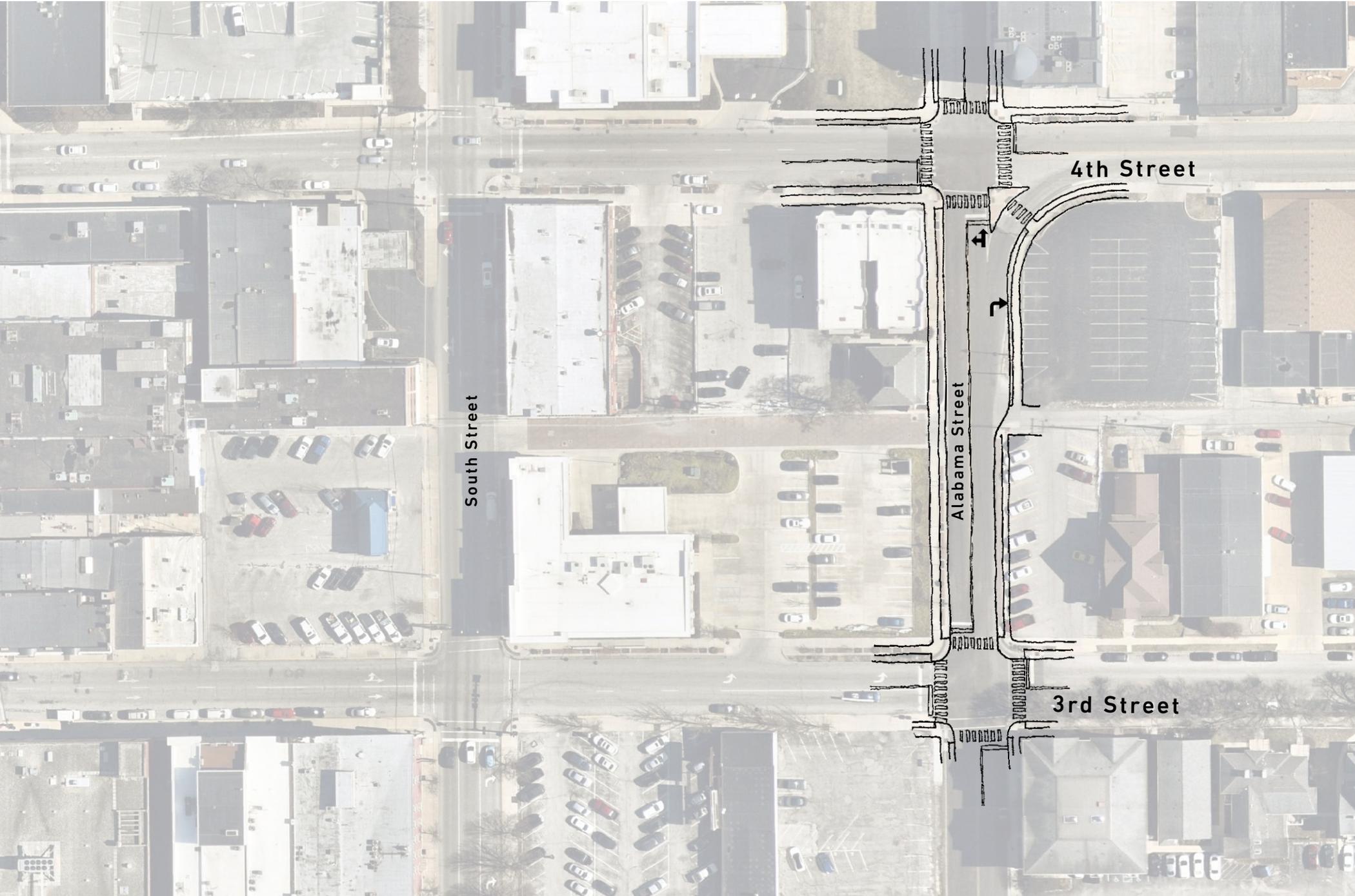
Union Street

4th Street

Cincinnati Street

3rd Street

# CONCEPTUAL RECONFIGURATIONS



An aerial photograph of a city street grid is overlaid with a semi-transparent blue filter. A prominent blue arrow starts from the top left, curves downwards, and then points horizontally to the right. A dashed blue arrow continues from the end of the solid arrow, pointing towards the bottom right. Two white horizontal arrows are positioned above and below the main text, both pointing to the right.

# COMPLETE STREETS

STREETS FOR EVERYONE

# DISSECTING MAIN STREET



TRAFFIC CONTROL

SIDEWALK ZONE

BICYCLE PARKING

BIOSWALES/  
RAIN GARDENS

BUMP-  
OUT FOR  
OUTDOOR  
DINING

ON-STREET  
BIKE FACILITIES  
"SHARROWS"

AMENITY AREAS FOR  
BENCHES AND TRASH  
RECEPTACLES

ACTIVE GROUND FLOOR  
COMMERCIAL/RETAIL

PUBLIC  
ART

STREET TREES

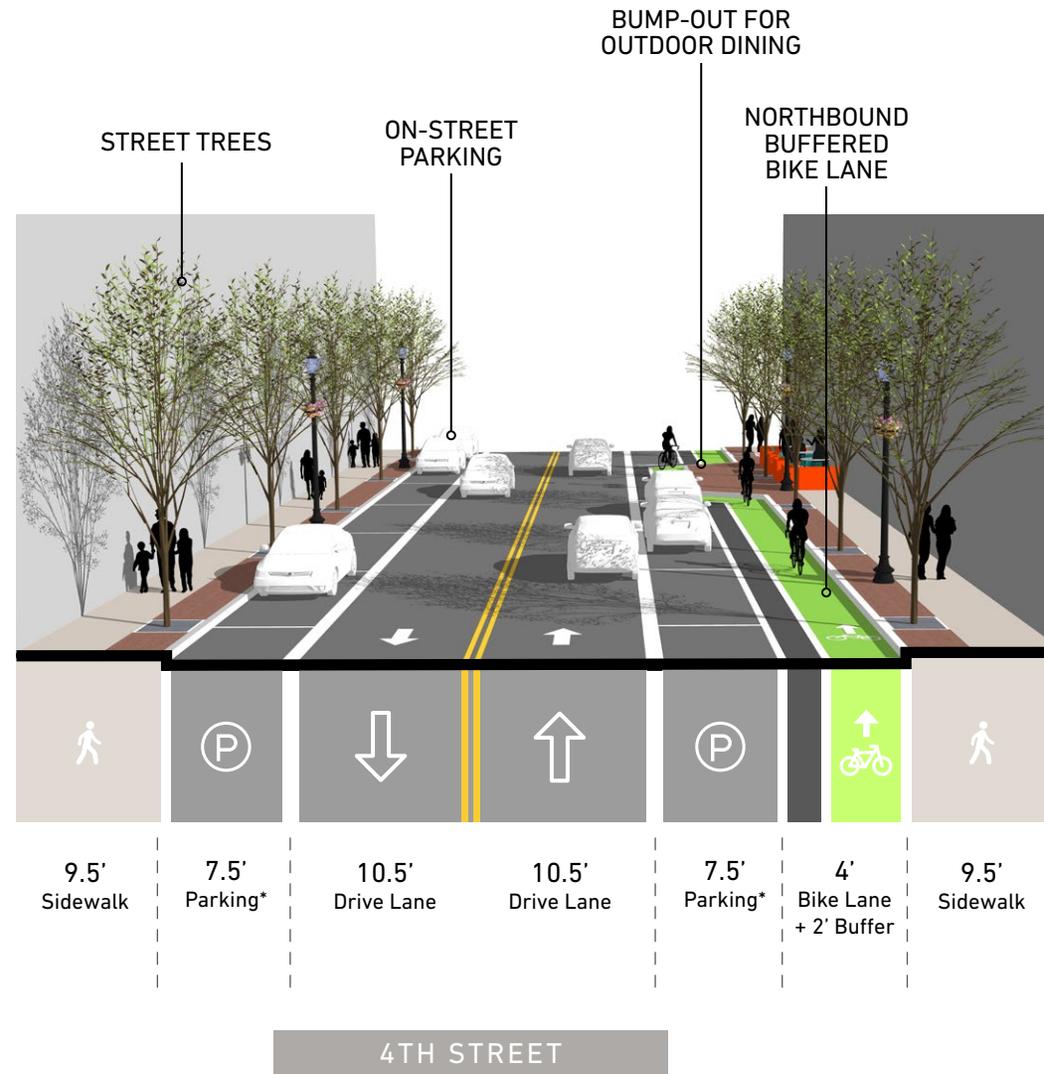
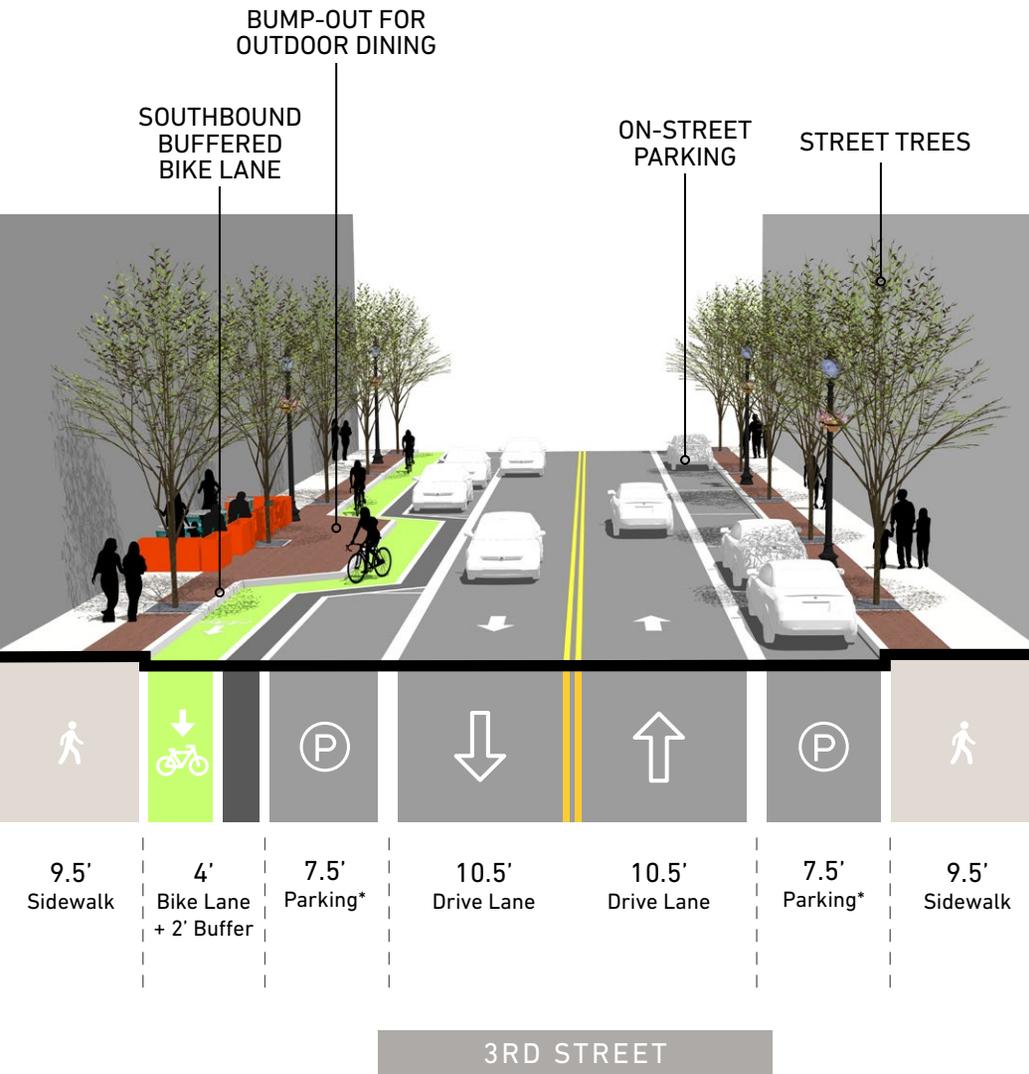
ON-STREET  
PARKING

CROSSWALKS

SPEED  
LIMIT  
25

# COMPLETE STREET SCENARIOS

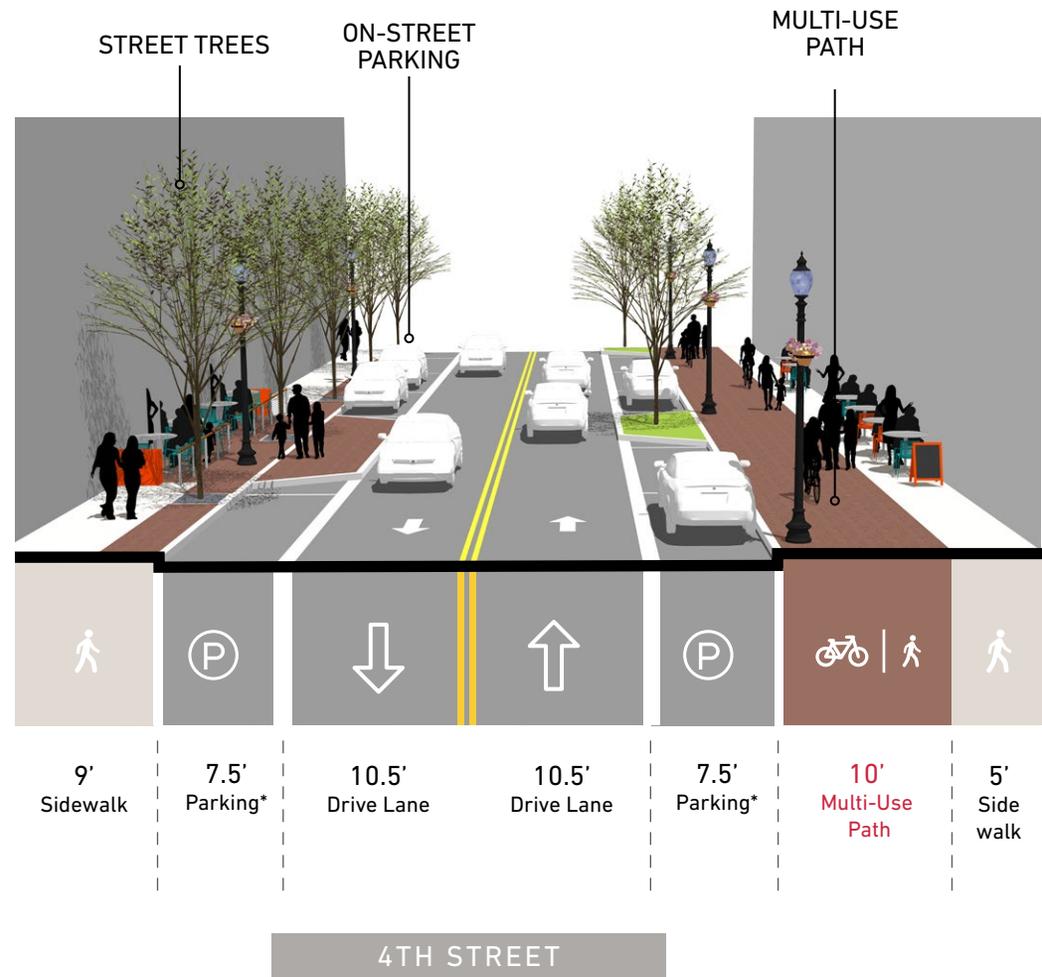
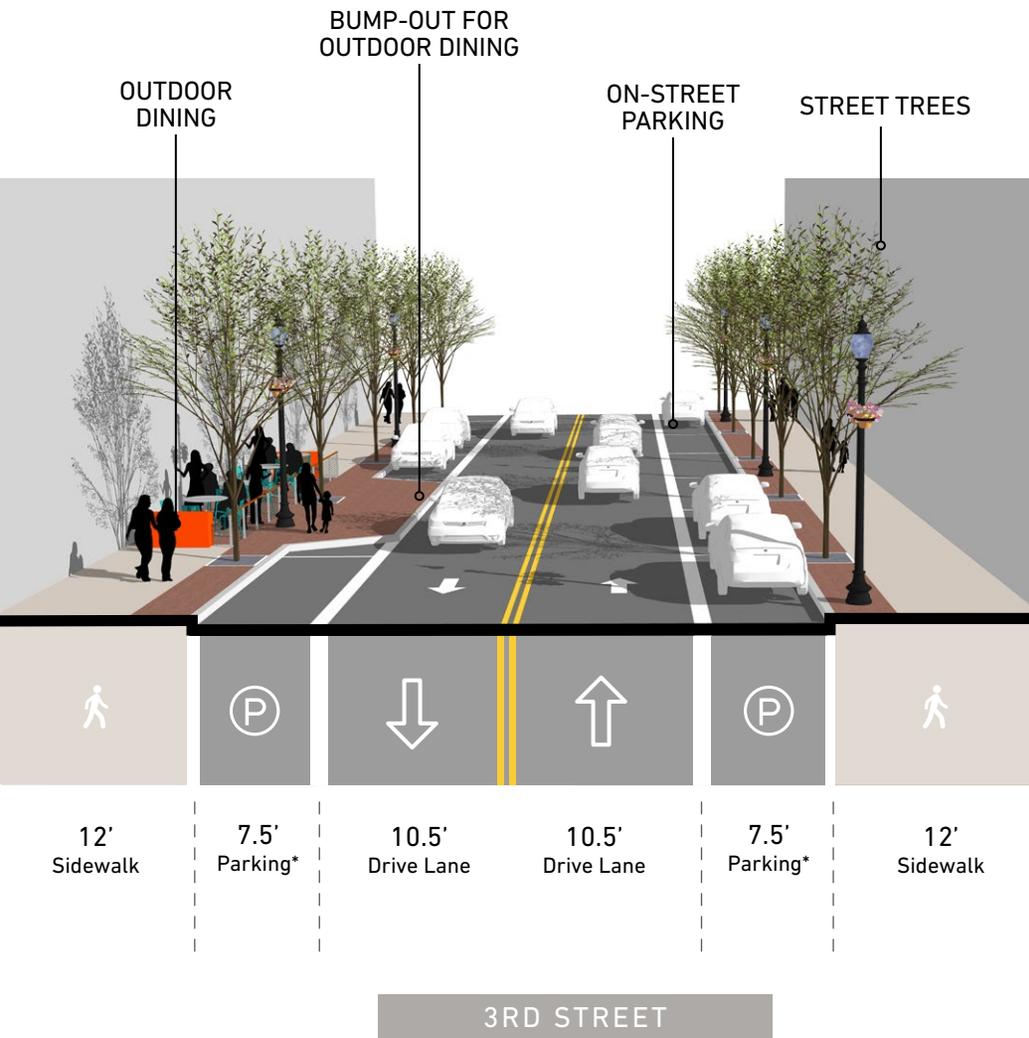
## MULTI-MODAL INTEGRATION



\*On-Street parking may be used as flexible pick-up/drop-off zones in certain locations

# COMPLETE STREET SCENARIOS

## MULTI-MODAL INTEGRATION



\*On-Street parking may be used as flexible pick-up/drop-off zones in certain locations

# OUTDOOR DINING SPACES

EAST END GRILL AND LAFAYETTE BREWING CO., MAIN STREET



**BUMP-OUT AS PART OF STREETScape PROJECT CREATES SPACE FOR OUTDOOR DINING**

TEMPORARY EXAMPLES

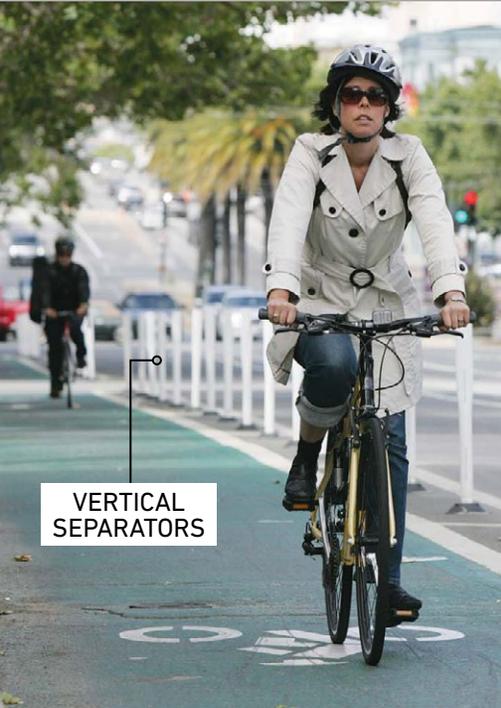


**ON-STREET PARKING SPACES TEMPORARILY REPURPOSED FOR OUTDOOR DINING**

# BICYCLE INTEGRATION

## ON-STREET + OFF-STREET FACILITIES

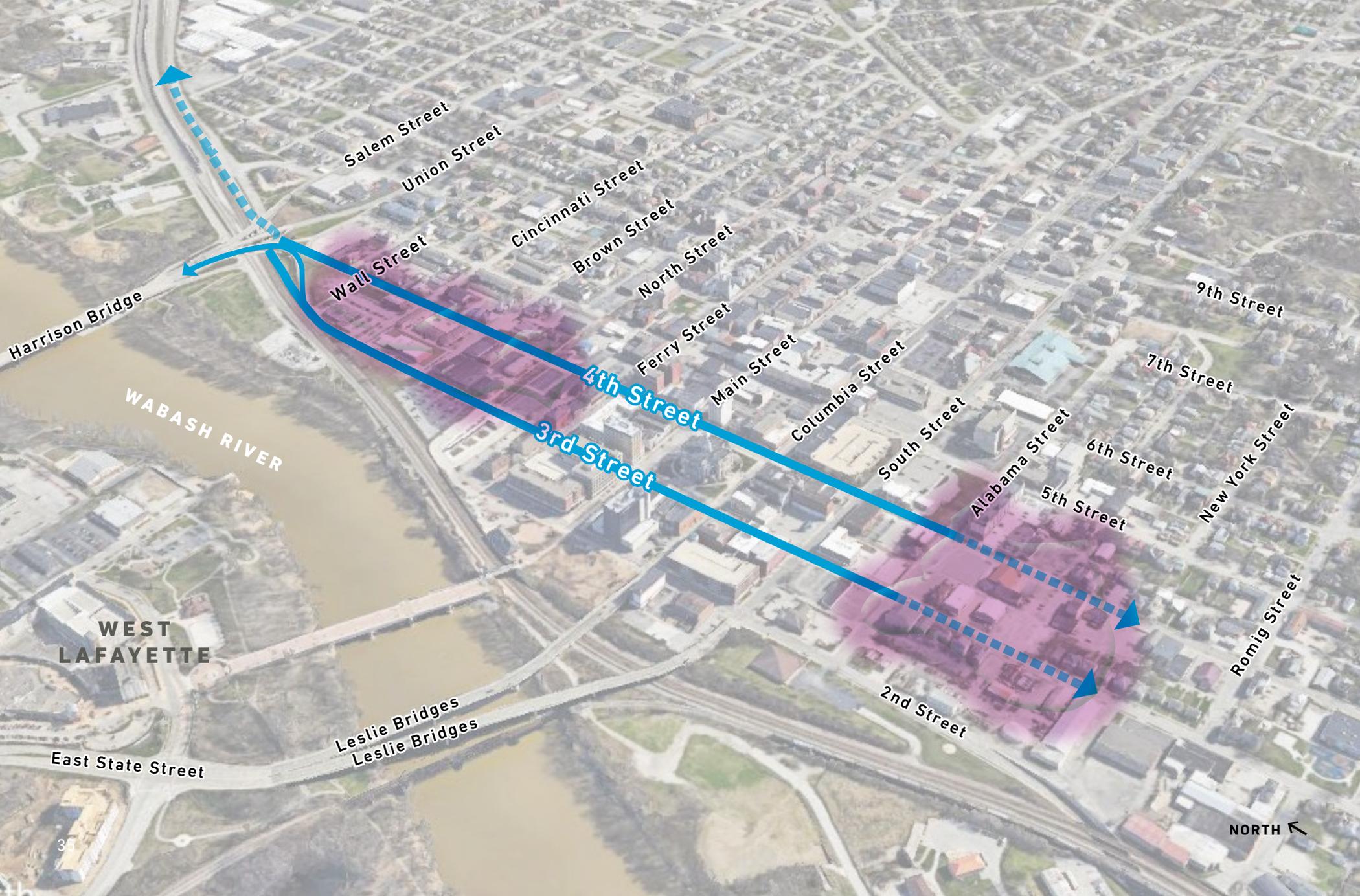
### ON-STREET



### OFF-STREET



# REVITALIZATION AND DEVELOPMENT POTENTIAL



# SIGNIFICANCE OF CONVERTED 3RD + 4TH STREETS

**INCREASED ACCESS TO DOWNTOWN  
BUSINESSES**

**ADDITIONAL OPTIONS FOR MOTORISTS**

**IMPROVED SAFETY FOR ALL MODES OF  
TRANSPORTATION**

**OPPORTUNITY TO EXPAND MAIN  
STREET'S SUCCESS**

**IMPROVED CONNECTIVITY TO NORTHERN  
AND SOUTHERN NEIGHBORHOODS**

**CONTRIBUTE TO A  
LIVABLE + VIBRANT  
DOWNTOWN**



The background is an aerial photograph of a city grid, overlaid with a semi-transparent blue filter. A solid blue line starts from the top left, curves down, and then extends horizontally across the middle of the page. A dashed blue line branches off from the solid line, extending towards the bottom right. Two white horizontal arrows are positioned above and below the text 'NEXT STEPS', both pointing to the right.

# NEXT STEPS

# NEXT STEPS

- 1 COLLECT QUESTIONS AND DISTRIBUTE ANSWERS**
- 2 MEET WITH STAKEHOLDERS**
- 3 STUDY ALTERNATIVES**
- 4 ANALYZE UTILITY IMPACTS**
- 5 ASSESS PHASING POSSIBILITIES**
- 6 DEVELOP COST OPINIONS**
- 7 PREPARE FOR PUBLIC MEETING #2**