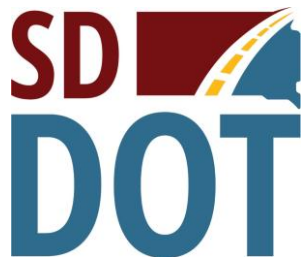


# Brookings Area Safety Action Plan City Council Presentation

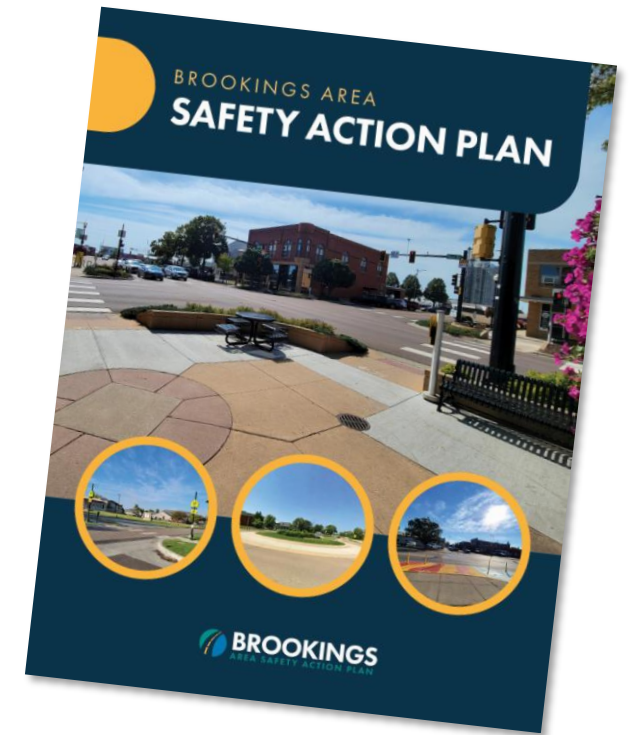


06/23/2026



# What is a Safety Action Plan (SAP)?

- Comprehensive safety plan to **reduce and eliminate fatal and serious injury crashes affecting all road users**
- Data-driven analysis to **determine roadway safety issues and identify potential engineering-based projects and strategies**
- Key criterion for the **Safe Streets and Roads for All (SS4A) Implementation Grant Program**



# Need for a Safety Action Plan (SAP)

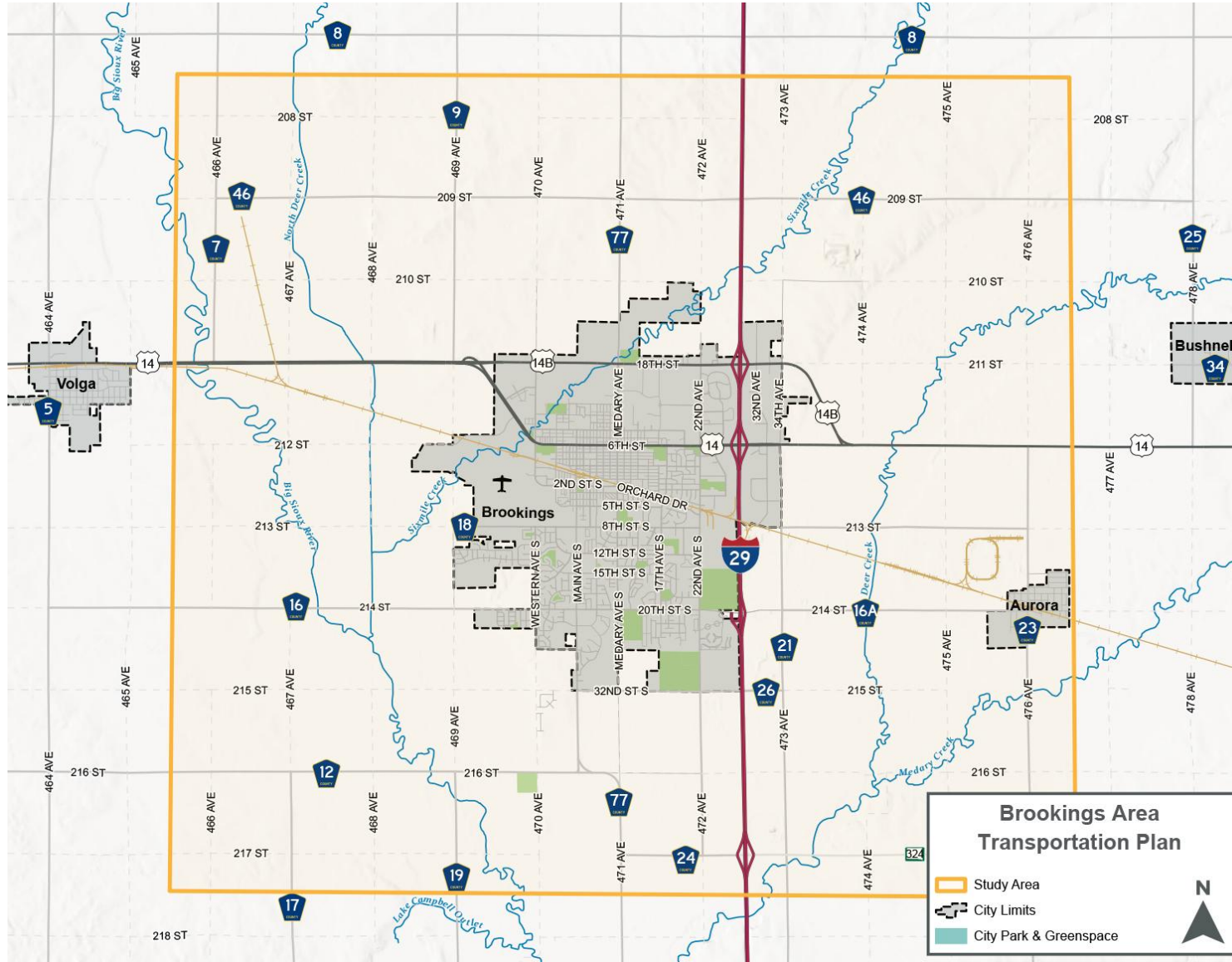
- Provides guidance on **current roadway safety issues** and **potential safety-minded, engineering-based improvement strategies**
- Establishes **visionary long-range safety goals and priorities**
- Positions City of Brookings to be eligible for **SS4A Implementation Grant Funding (to design / construct safety and bike/pedestrian projects)**
  - *Must follow the 7 criteria identified on the right*
- Derives from **Brookings Area Transportation Plan (BATP)**



# Safe Streets and Roads for All (SS4A) Program

- Grant program established in 2021 through the Infrastructure Investment and Jobs Act
- USDOT manages SS4A fund with **\$5 billion in funding currently available from 2022 to 2026**; program anticipated for renewal in upcoming transportation bill
- Program **helps fund regional and local safety projects to prevent roadway fatalities and serious injuries**
- Program **seeks overall goal of zero roadway deaths and serious injuries**

# Study Area





## SAFETY ANALYSIS

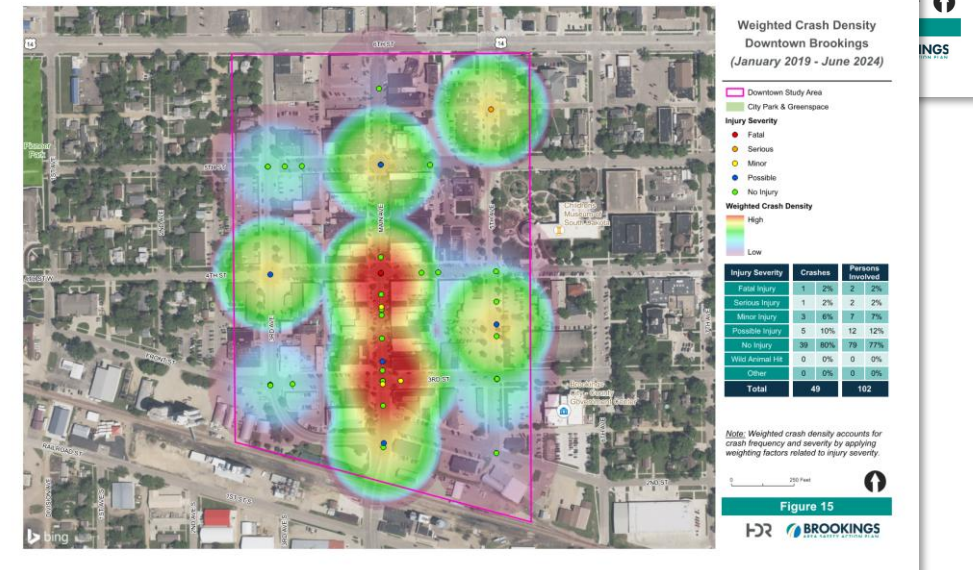
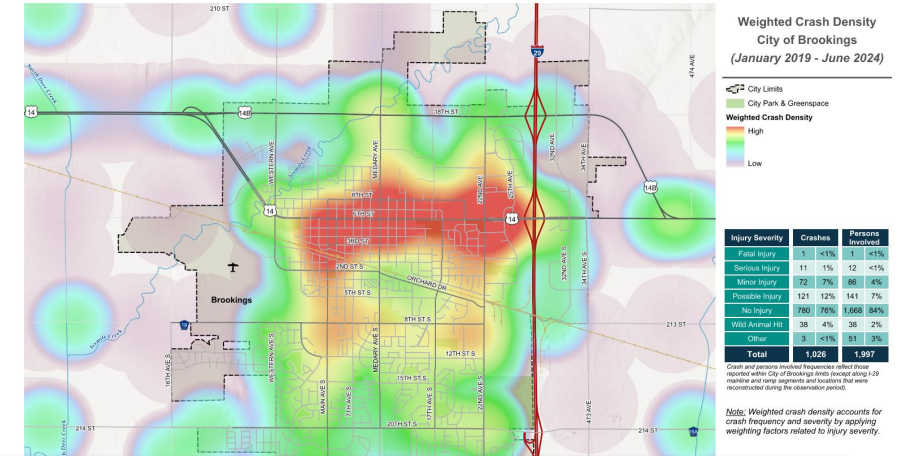
# Key SAP Components: Safety Analysis

## Safety Analysis

- Safety Action Plan includes robust crash history review of SDDOT crash records for Brookings area **(January 2019-June 2024)** *[5 ½ years of data]*

- Safety analysis focused on:

- **Fatal and Injury crashes**
- **Intersections and Roadway Segments with high crash frequency and elevated injury crash rates**
- **Bicycle and Pedestrian safety**
- **Downtown Brookings safety**
- **Select Crash Characteristics (e.g., speeding, lane departures, angle crashes, distracted driving, etc.)**



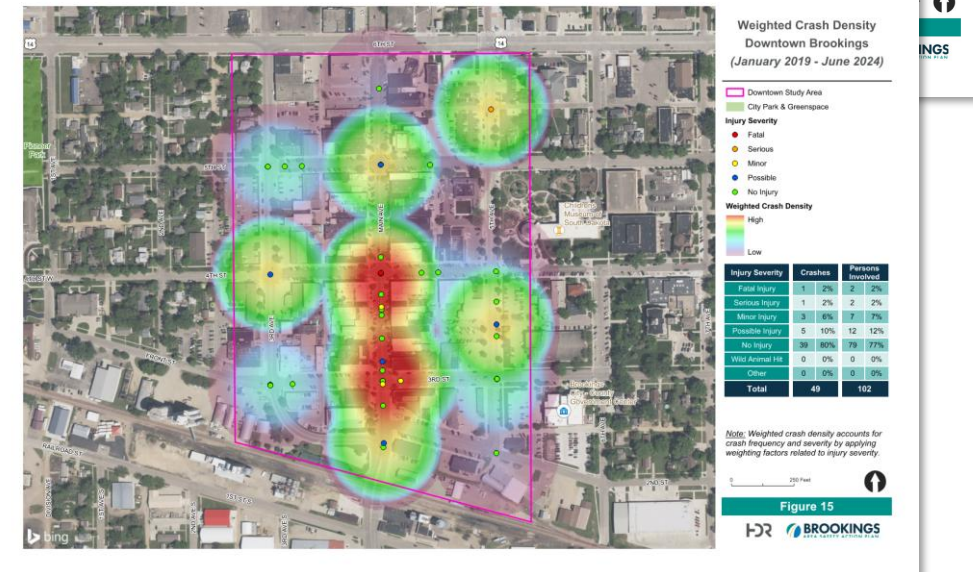
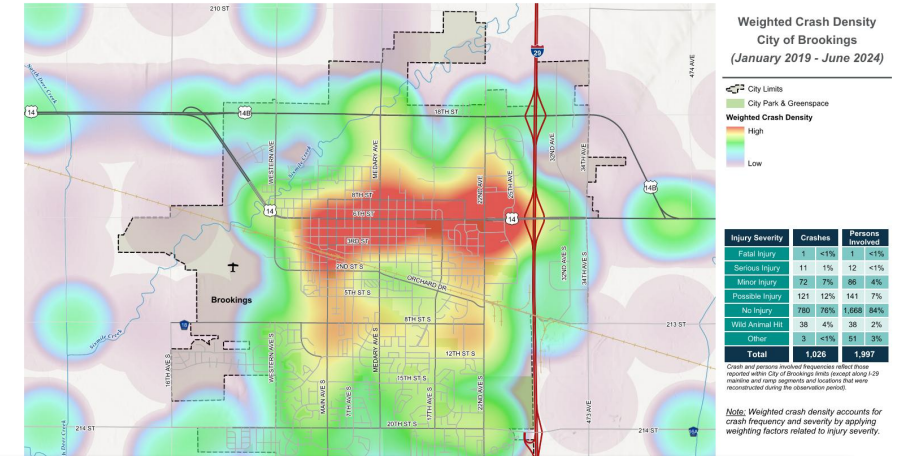


# Key SAP Components: Safety Analysis

## Safety Analysis

### Key Crash History Findings (January 2019-June 2024):

- **1,447** total crashes
- **259** injury crashes (18% of total)
- **4** fatal and **17** serious injury crashes
- **49** total and **10** injury crashes in Downtown Brookings
- **28** bicycle and pedestrian crashes (all resulted in injuries)
- Reviewed crash history records at **62 intersections** and **61 roadway segments** in Brookings area



# Key SAP Components: Safety Analysis



## Safety Analysis

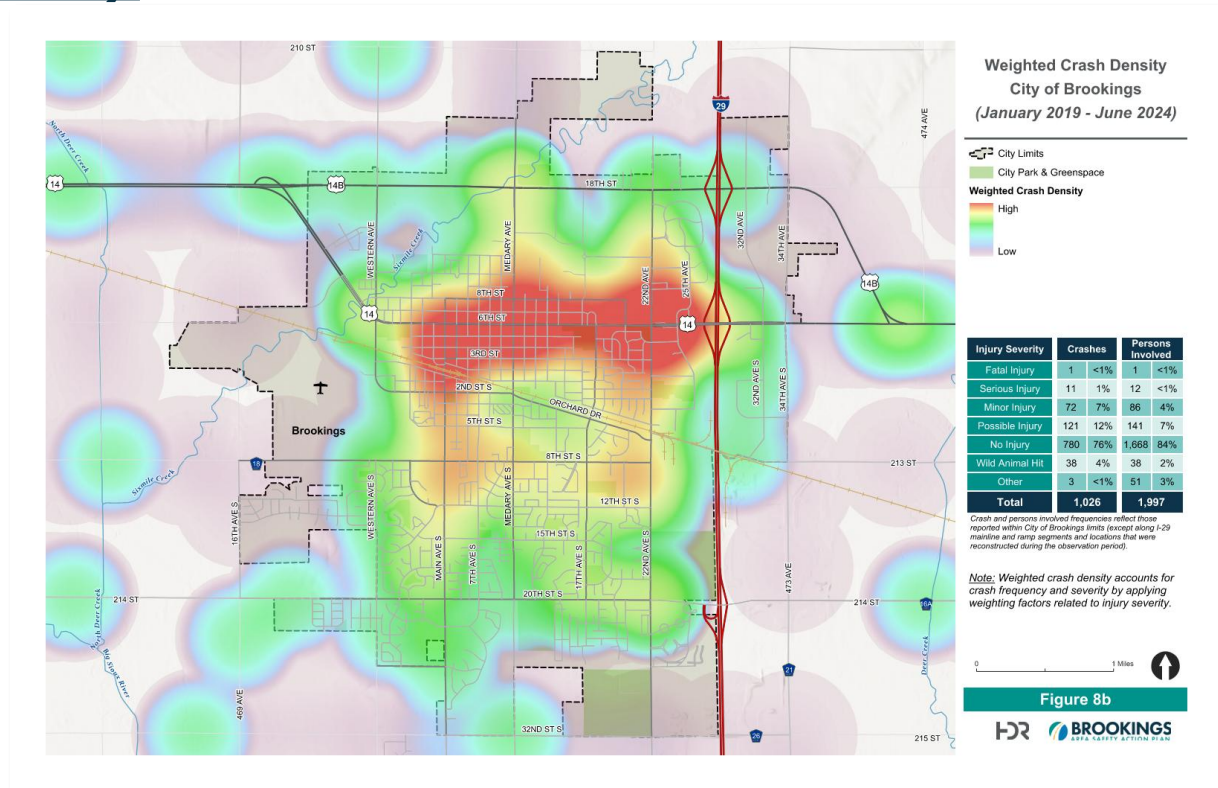
### • Key Crash History Findings (January 2019-June 2024):

#### • Intersection Crash Frequency Review

- 1) US14 / 6<sup>th</sup> St. & 22<sup>nd</sup> Ave. (47 crashes)
- 2) US14 / 6<sup>th</sup> St. & Medary Ave. (39 crashes)
- 3) 22<sup>nd</sup> Ave. & University Blvd. (20 crashes)
- 4) US14 / 6<sup>th</sup> St. & Sunrise Ridge Rd. (20 crashes)
- 5) US14 / 6<sup>th</sup> St. & 17<sup>th</sup> Ave. (18 crashes)

#### • Roadway Segment Crash Frequency Review

- 1) **US14:** BC Hwy 9 to 467<sup>th</sup> Ave. (40 crashes)
- 2) **US14:** 467<sup>th</sup> Ave. to BC Hwy 7 (25 crashes)
- 3) **US14:** 474<sup>th</sup> Ave. to BC Hwy 23 (23 crashes)
- 4) **BC Hwy 7:** US14 to 208<sup>th</sup> St. (19 crashes)
- 5) **US14 / 6<sup>th</sup> St.:** 5<sup>th</sup> Ave. to Medary Ave. (15 crashes)



# Key SAP Components: Safety Analysis



SAFETY ANALYSIS

## Safety Analysis

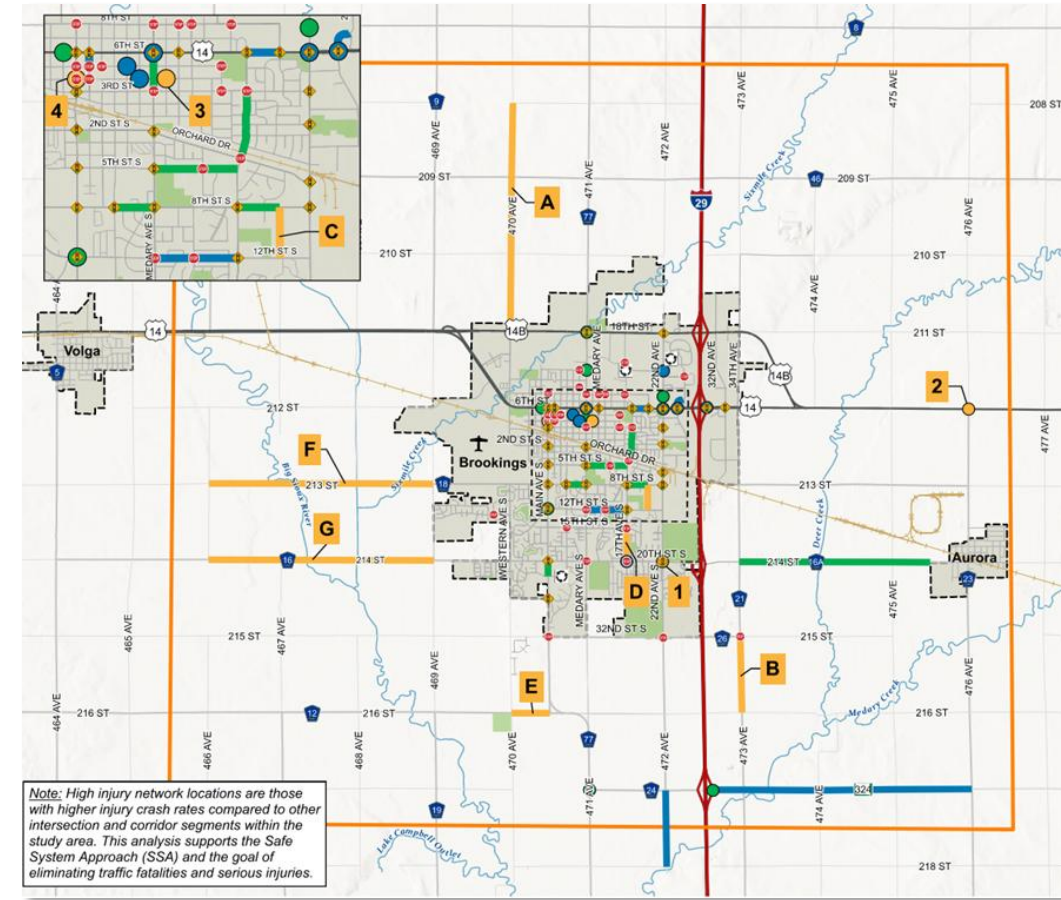
### • Key Crash History Findings (January 2019-June 2024):

#### • Intersection Elevated Injury Crash Rates Review

- 1) 22<sup>nd</sup> Ave. S. & 20<sup>th</sup> St. S.
- 2) US14 & BC Hwy 23
- 3) 4<sup>th</sup> St. & 11<sup>th</sup> Ave.
- 4) Main Ave. & 4<sup>th</sup> St.
- 5) US14 / 6<sup>th</sup> St. & I-29 Exit 132 NB Ramp Terminal

#### • Roadway Segment Elevated Injury Crash Rates Review

- 1) Western Ave.: US14 Bypass / 18<sup>th</sup> St. to 208<sup>th</sup> St.
- 2) BC Hwy 21: 216<sup>th</sup> St. to BC Hwy 26 / 32<sup>nd</sup> St. S.
- 3) Southland Ln.: 8<sup>th</sup> St. S. to 20<sup>th</sup> St. S.
- 4) 17<sup>th</sup> Ave. S.: 15<sup>th</sup> St. S. to 20<sup>th</sup> St. S.
- 5) BC Hwy 12: BC Hwy 77 to 470<sup>th</sup> Ave.



# Key SAP Components: Safety Analysis

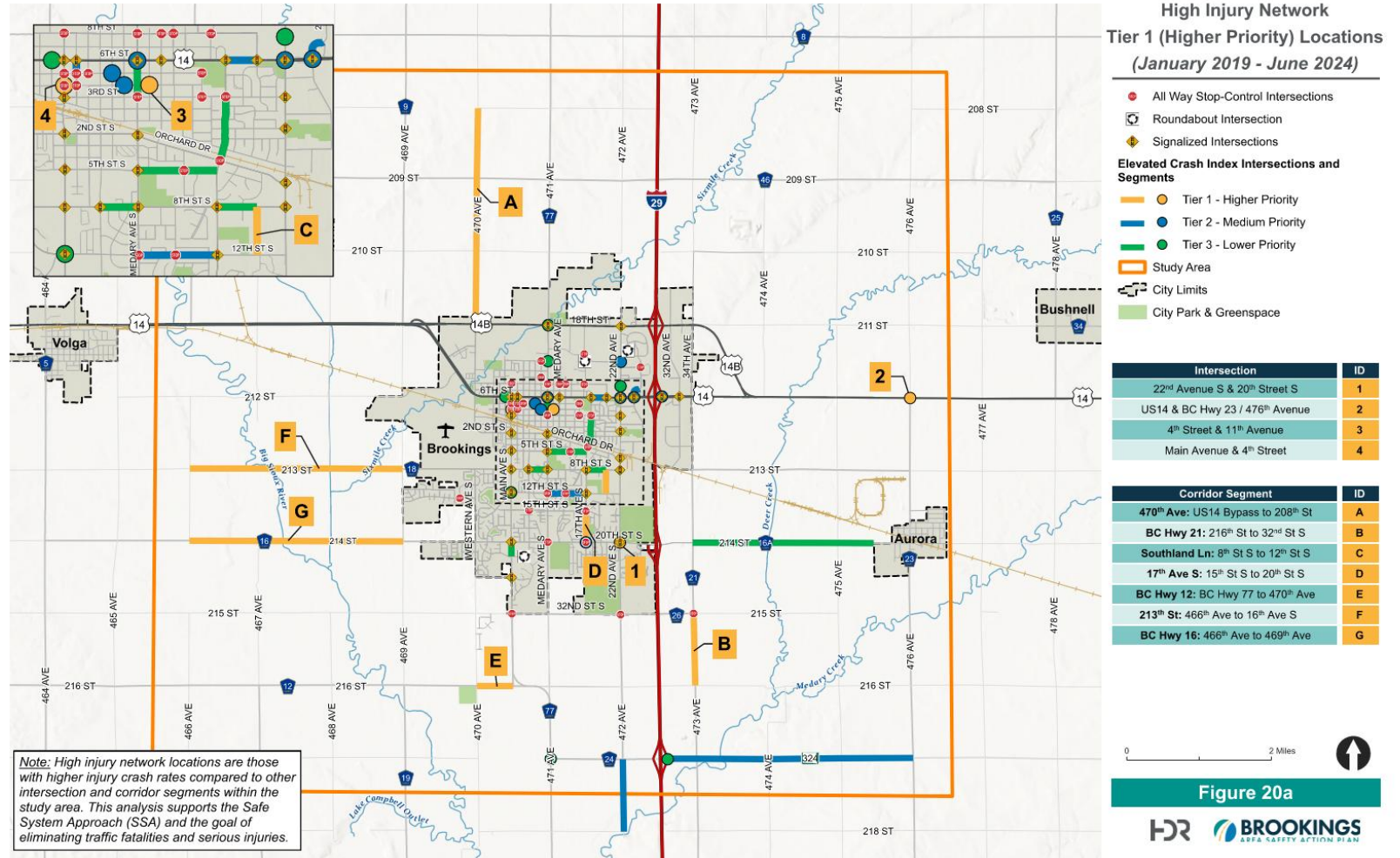


## Safety Analysis

- **High Injury Network (HIN):** Map identifying intersections and roadways with elevated injury crash rates (*SS4A program requirement*)
- Data-driven and based on locations identified in **Crash History Review**



**HIGH INJURY NETWORK (HIN)**



# Key SAP Components: Engagement & Collaboration



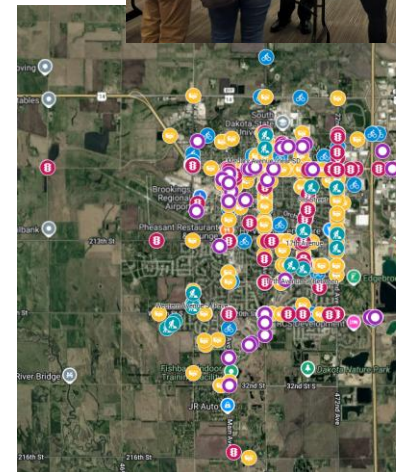
## Engagement & Collaboration

### SS4A Program Requirements:

- Engagement with public and relevant stakeholders
- Incorporate engagement feedback into SAP

### Brookings Area SAP:

- Utilized feedback from BATP community engagement and open houses (**February 2025 and February 2026**): [www.brookingsatp.com](http://www.brookingsatp.com)
- Feedback informed prioritized safety strategies and projects in the SAP



### SAFETY ACTION PLAN | SAFETY STRATEGIES

WHAT SAFETY STRATEGIES SHOULD BE CONSIDERED AS PART OF FUTURE PROJECTS?  
Take three stickers and vote on your top strategies!

Strategy Name	Total Votes	Overall Rank
RECTANGULAR RAPID FLASHING BEACON	10	#3
LEADING PEDESTRIAN INTERVALS	6	#5
ROAD DIETS (ROADWAY RECONFIGURATIONS)	9	#4
PEDESTRIAN HYBRID BEACON WITH REFUGES ISLAND	5	#6
CURB EXTENSIONS	15	#2
ROUNDABOUTS	20	#1

**VOTING LEGEND:**  
● Stakeholder Open House  
● Public Meeting Open House  
● SDSU ITE Open House

**COMMENTS:**  
 - **Rectangular Rapid Flashing Beacon:** Comments: Slower Flashes has this on 41st & Sartona.  
 - **Leading Pedestrian Intervals:** Comments: I need that in a traffic calming technique that changes existing work, or changes how work, to represent a combination of what has to be done with, which has safety, and/or number of lanes. These solutions they appear to be reflected in other studies.  
 - **Roundabouts:** Comments: More roundabouts.

**SOURCES:** [FHWA: https://www.fhwa.dot.gov/infrastructure/infrastructure-safety-action-plan/infrastructure-safety-action-plan.cfm](#)  
[FHWA: https://www.fhwa.dot.gov/infrastructure/infrastructure-safety-action-plan/infrastructure-safety-action-plan.cfm](#)  
[FHWA: https://www.fhwa.dot.gov/infrastructure/infrastructure-safety-action-plan/infrastructure-safety-action-plan.cfm](#)  
[FHWA: https://www.fhwa.dot.gov/infrastructure/infrastructure-safety-action-plan/infrastructure-safety-action-plan.cfm](#)

**PREPARED BY:** [https://www.brookingsatp.com/area-safety-action-plan/area-safety-action-plan.cfm](#)  
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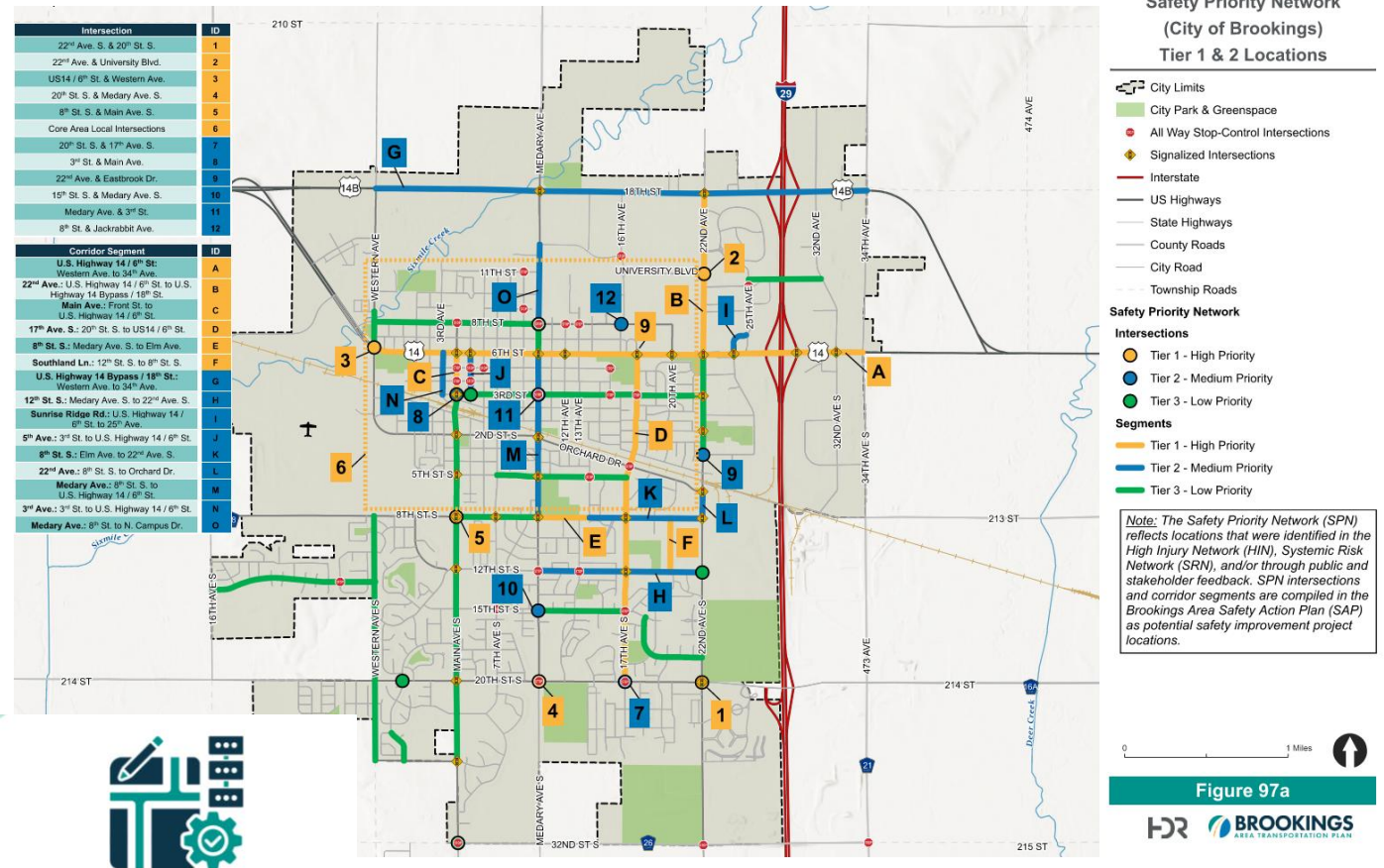
# Key SAP Components: Strategy & Project Selections



STRATEGY & PROJECT SELECTIONS

## Safety Priority Network (SPN)

- Identifies **locations for potential future engineer-based safety improvement projects**
- Compiles and prioritizes locations highlighted in the **safety analysis (crash history review) and public and stakeholder feedback**
- Recommendations are proven safety strategies established in **engineering manuals and guidance documents (e.g., SDDOT, NACTO, NHTSA, and USDOT/FHWA)**



**SAFETY PRIORITY NETWORK (SPN)**

Figure 97a

# Key SAP Components: Strategy & Project Selections

## Example Potential Safety Improvement Projects

### 22<sup>nd</sup> Avenue & University Boulevard Intersection

- 20 total crashes (Jan. 2019 – June 2024)
- High injury network intersection
- History of bike/pedestrian, speeding, and lane departure crashes
- Engagement feedback: Potential roundabout location

### Potential Safety Projects for consideration:

- Dynamic Feedback Signs
- Intersection Control Evaluation prior to corridor reconstruction (*roundabout or conventional*)
- High visibility crosswalks and controlled crossing devices (*Rectangular Rapid Flashing Beacon (RRFB) or Pedestrian Hybrid Beacon*)



12th St. S. (Dynamic Feedback Sign, High Visibility Crosswalk, RRFB)

University Blvd. & Jackrabbit Ave. (Roundabout)



# Key SAP Components: Strategy & Project Selections

## Example Potential Safety Improvement Projects

### US14 / 6<sup>th</sup> Street

- 284 total crashes (Jan. 2019 – June 2024)
- 54 injury crashes (Jan. 2019 – June 2024)
- High injury network intersections and segments
- History of bike/pedestrian, speeding, and angle crashes
- Engagement feedback: Improve signal timings, improve corridor walkability, increase pedestrian crossing opportunities



### Potential Safety Projects for consideration:

- Review and optimize corridor signal timing plans
- Roundabout / Traffic Signal at 6th St. & Western Ave.
- *Install Pedestrian Hybrid Beacons with median refuge islands at select locations*



Example of Pedestrian Hybrid Beacon with Median Refuge Island

# Key SAP Components: Leadership & Goal Setting

## Leadership Commitment & Goal Setting

- **SS4A Program Requirements:**
  - Official commitment to an eventual goal of zero roadway fatalities and serious injuries; and
  - Commitment target date to reach zero or reduction target dates
- **Brookings Area SAP & Vision Zero Goal Resolution:**
  - **2050 Brookings Vision Zero:** Long-term visionary goal of zero roadway fatalities and serious injuries by 2050 within the Brookings area (**visionary only – not a definitive obligation for the City**)
  - Commitment made official by Brookings City Council Resolution approving **Brookings Area SAP** and **2050 Brookings Vision Zero Safety goal**
  - Plan and goals **must be approved to meet SS4A program requirements and to be eligible for SS4A implementation grant funding**



## **Next Steps** *(following approval of SAP and 2050 Brookings Vision Zero Safety Goal resolution)*

- **Finalize and post the SAP (and BATP) on the City's website**
- **Organize SAP Advisory Group** to oversee plan implementation and progress ***(SS4A program requirement)***
- **Further prioritize/identify potential projects for a potential future SS4A Implementation Grant application**
  - **Safety Action Plan plays a critical role and establishes funding eligibility**
- **Focus on key safety and bicycle/pedestrian projects** in high-priority areas ***(e.g., 6<sup>th</sup> St., Downtown, and 20<sup>th</sup> St. S.)***

# Questions?



**BROOKINGS**  
AREA SAFETY ACTION PLAN