



CHEYENNE METROPOLITAN PLANNING ORGANIZATION

# Welcome

## THANKS FOR JOINING US

**CONVERSE / DELL RANGE INTERSECTION TRAFFIC SAFETY PLAN  
& CONVERSE AVENUE 35% DESIGN PLAN**

THERE WILL BE NO FORMAL PRESENTATION



# History & Project Context



*UNION PACIFIC RAILROAD DEPOT, 1897*



*CHEYENNE FRONTIER DAYS PARADE, 1960s*



*DELL RANGE BLVD. AND CONVERSE AVE. INTERSECTION, 2014*

## HISTORY

The City of Cheyenne, once just a small railroad town, serves as the capital of Wyoming with a population of more than 60,000 and an urban area of more than 90,000 residents. Because of its strategic location, the city attracts tourists and visitors, as well as people relocating due to the culture that makes Cheyenne a wonderful place to call home.

The Cheyenne Metropolitan Planning Organization (MPO) was created to help manage transportation planning projects in the growing city by the governor of Wyoming in 1981. The Cheyenne MPO is responsible for developing transportation policies and coordinating with citizens and the various agencies involved in long-range transportation planning and project development.

The Cheyenne MPO recognizes that Converse Ave. and its intersection at Dell Range Blvd. need improvements. The land use around the intersection over time has become widely diverse with residential coexisting with heavy commercial development that includes a large number of shopping, dining, and entertainment establishments. Because of these factors, the Cheyenne MPO has taken up the task of updating the current transportation solution to better serve the residents, business owners, and the traveling public.

## PROJECT CONTEXT

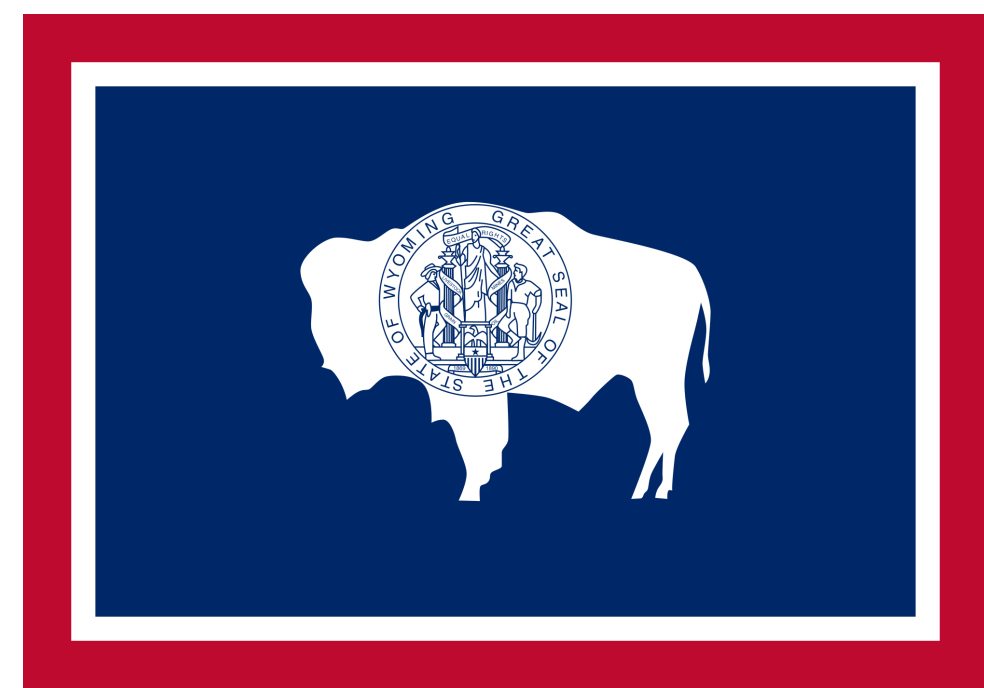
More than 34,000 vehicles travel through the Dell Range Blvd. and Converse Ave. intersection daily. This intersection not only experiences some of the highest traffic volumes in the state, but it also has the highest number of crashes within the Cheyenne urban area.

In the past 10 years, there have been 264 reported crashes at this intersection. Because of the high volume and safety risks, the Dell Range Blvd. and Converse Ave. intersection also poses difficulty and limitations to pedestrians and bicyclists trying to traverse it.

There are also residential and business access conflicts, storm water issues, and environmental concerns due to the advanced age of the corridor and intersection design.

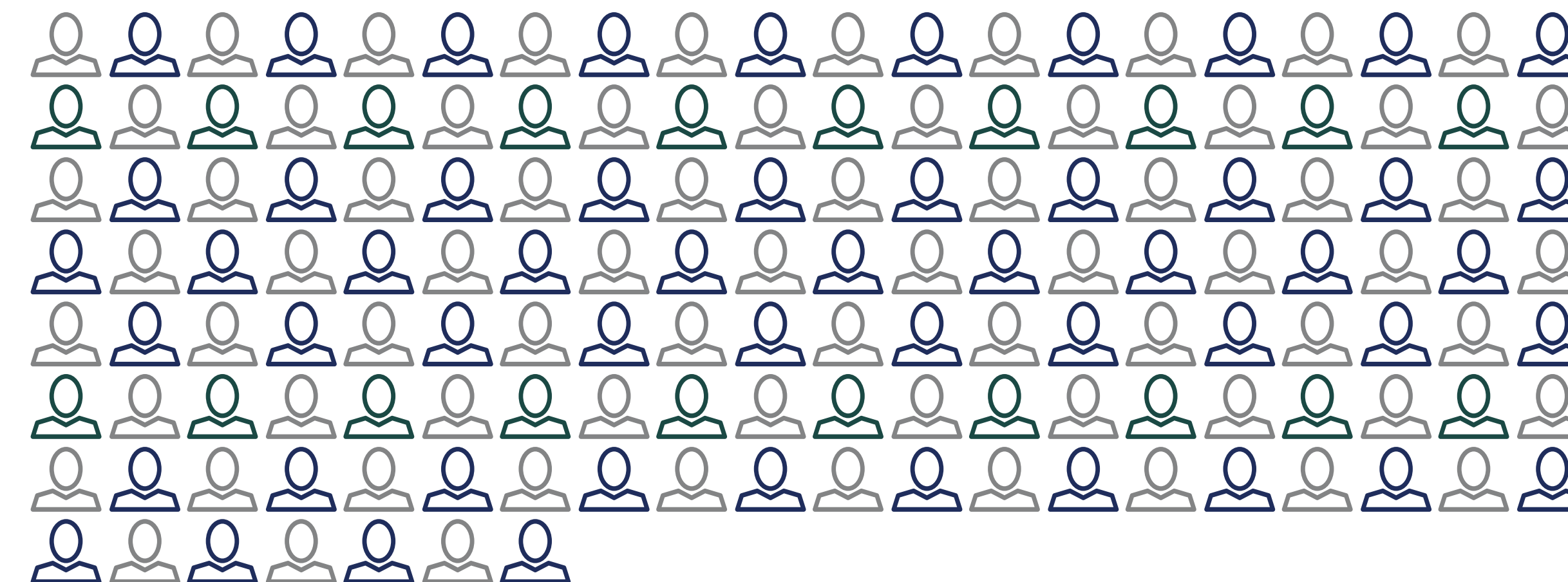


# Problem: Safety



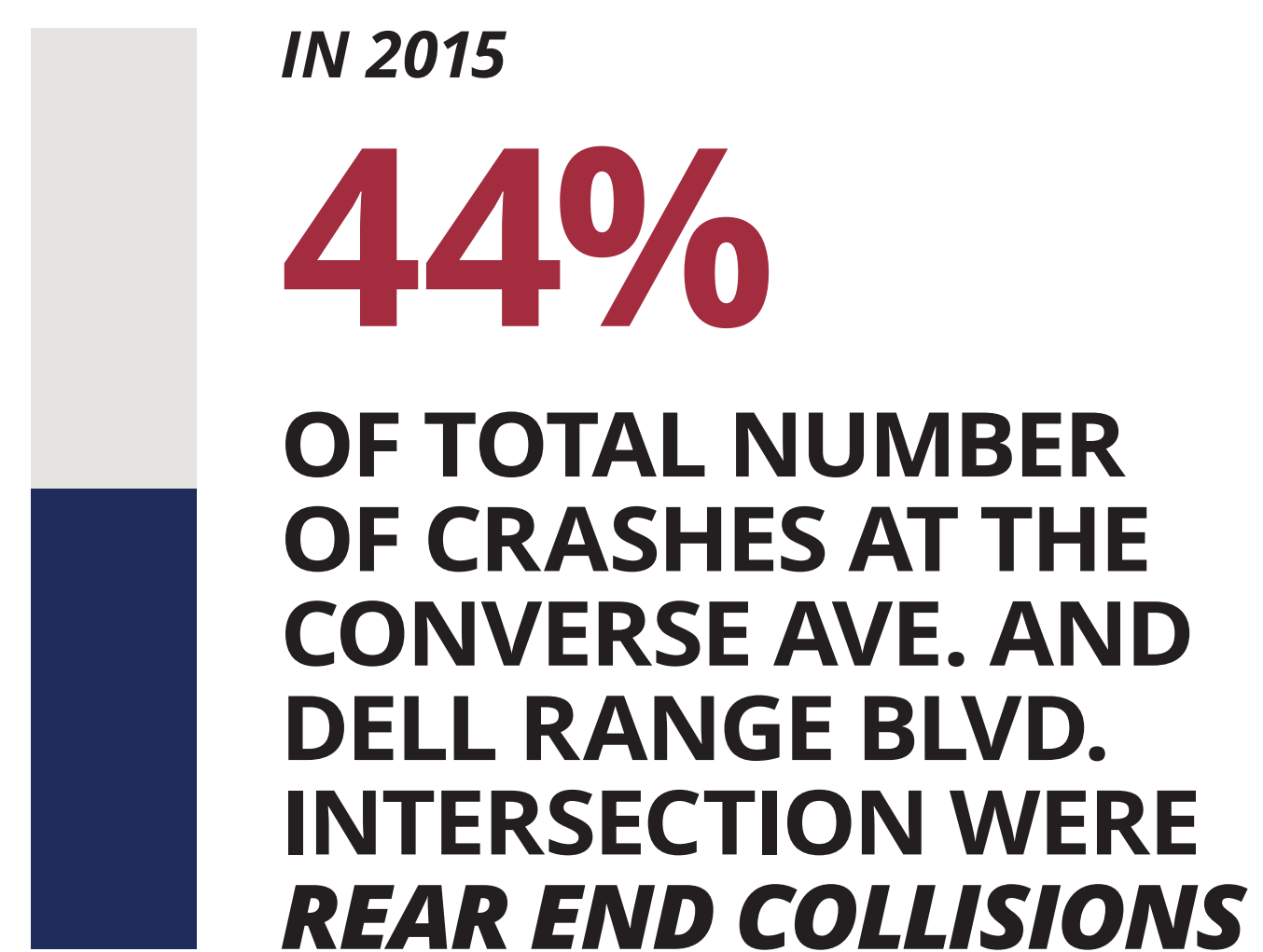
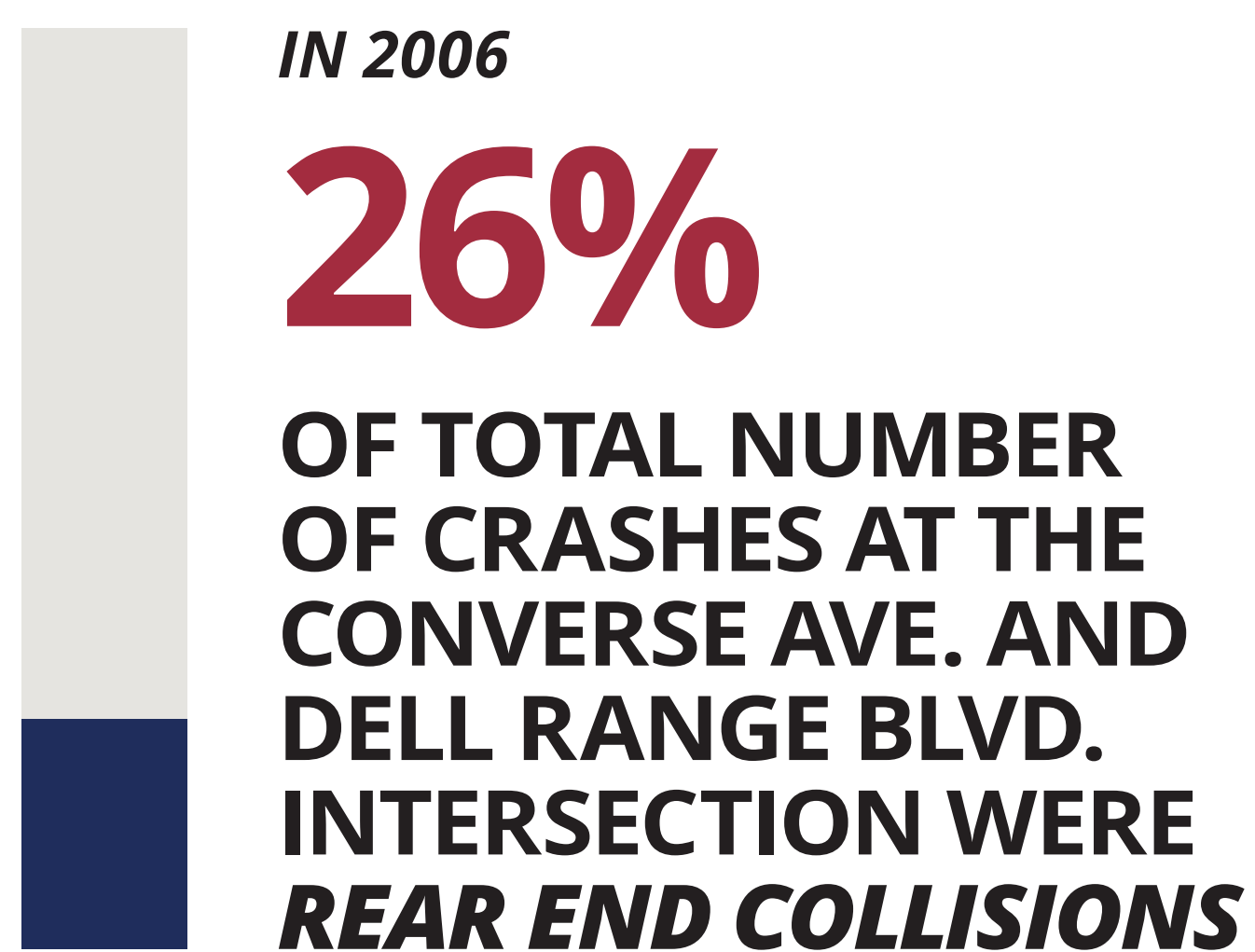
## 264 TOTAL CRASHES

HAVE OCCURRED IN THE PAST 10 YEARS AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION MAKING IT ONE OF THE **MOST DANGEROUS INTERSECTIONS** IN THE STATE OF WYOMING  
2006-2015



## 147 PEOPLE INJURED

IN A TOTAL OF 88 INJURY CRASHES OVER THE PAST 10 YEARS AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION  
2006-2015



**67%**

OF CRASHES ON AVERAGE BETWEEN 2006 AND 2015 HAD **PROPERTY DAMAGE** AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION  
*THE REMAINING 33% OF CRASHES RESULTED IN INJURY OR FATALITY*



## T-BONE/RIGHT ANGLE CRASHES

HAVE **DOUBLED** BETWEEN 2014 AND 2015 AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION

2006-2015 AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION

## 188 TOTAL CRASHES

TRAVELING IN THE EAST/WEST DIRECTION

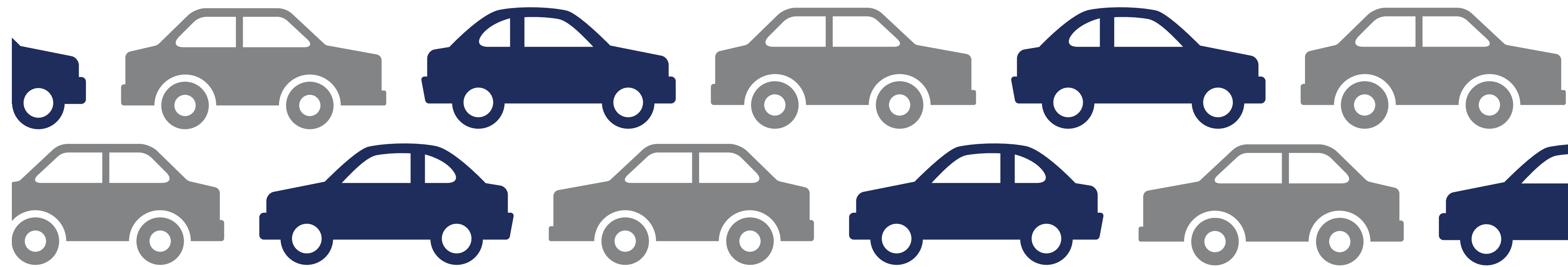


## 22 TOTAL CRASHES

TRAVELING IN THE NORTH/SOUTH DIRECTION



# Problem: Capacity



**34,184 VEHICLES**

TRAVEL THROUGH THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION EACH DAY MAKING IT ONE OF THE **BUSIEST INTERSECTIONS** IN THE STATE OF WYOMING  
2015

TODAY AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION



**31.3 SECONDS**

OF DELAY PER VEHICLE ON AVERAGE TODAY GIVING IT ONE OF THE WORST LEVEL OF SERVICE GRADES IN THE STATE OF WYOMING

IN 2040 AT THE CONVERSE AVE. AND DELL RANGE BLVD. INTERSECTION

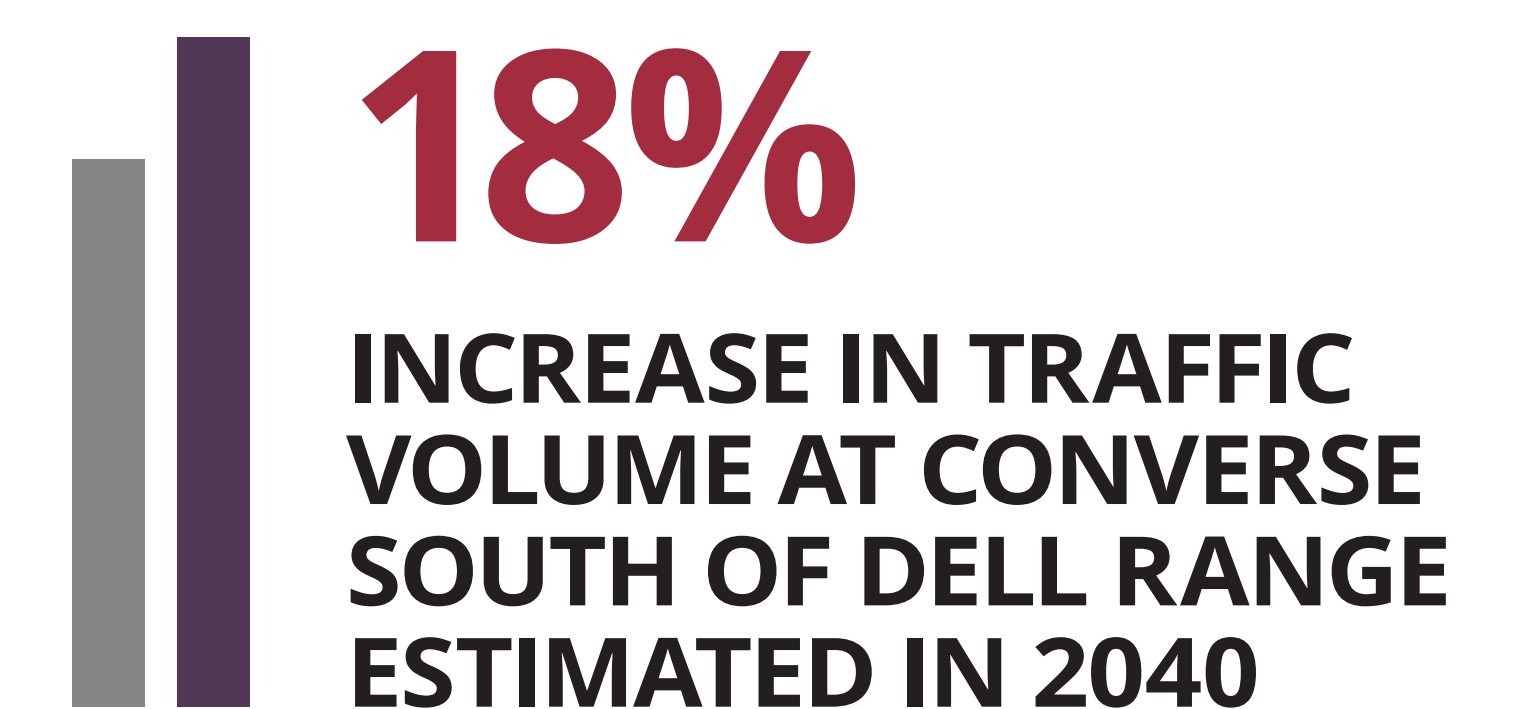
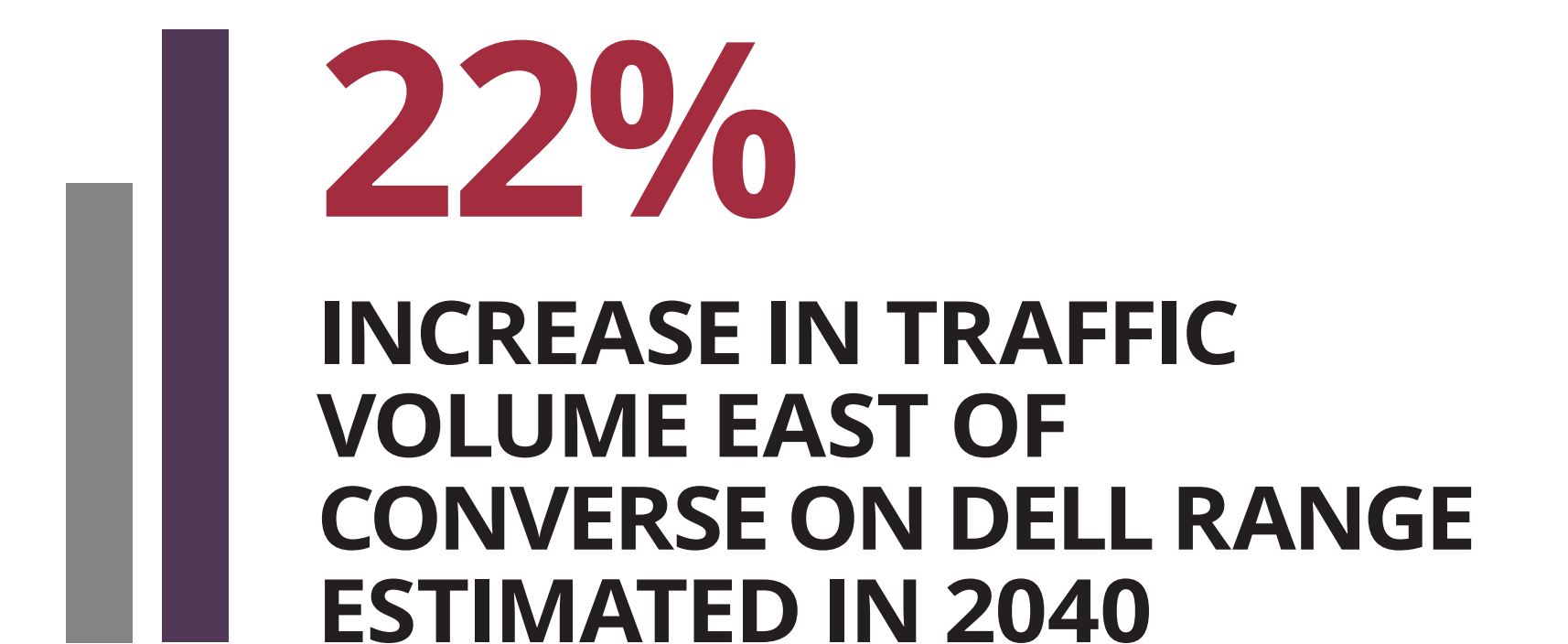
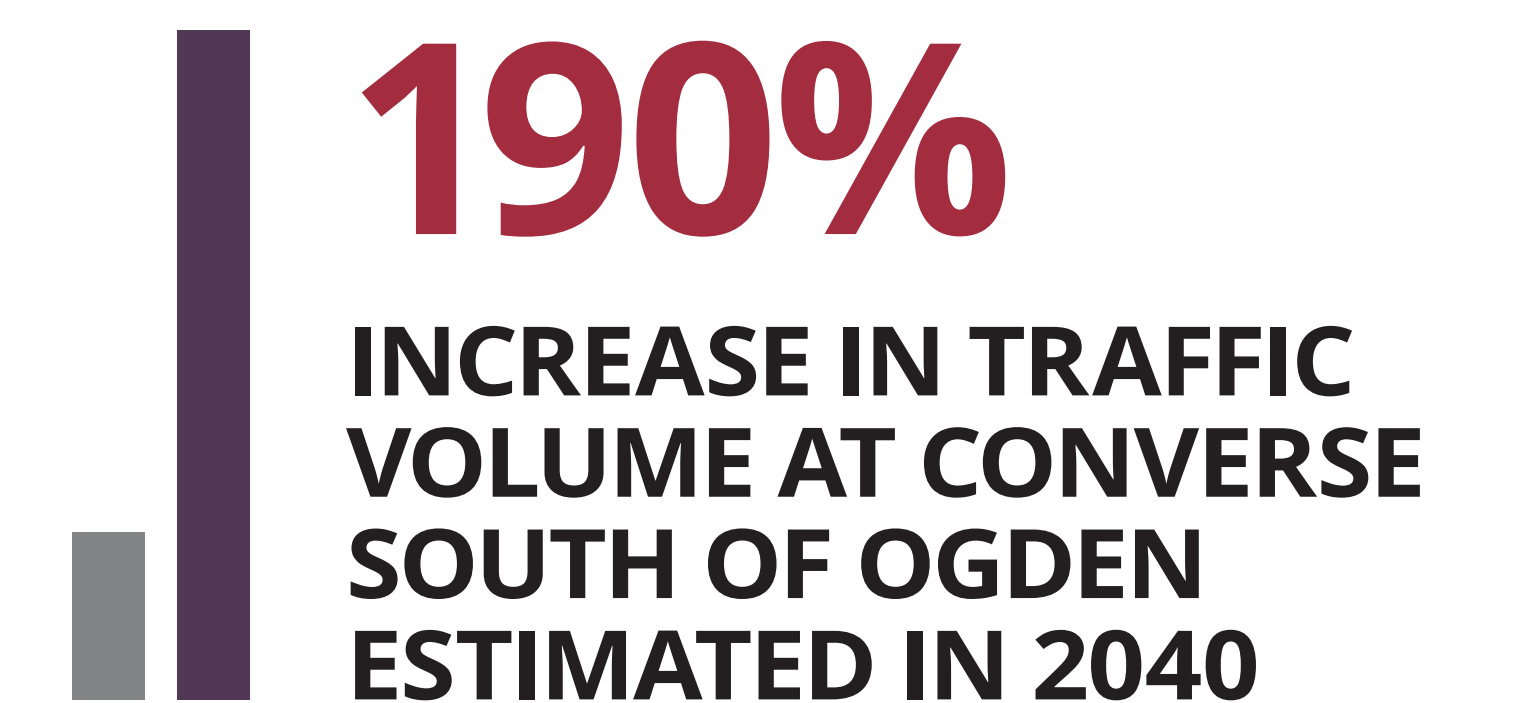


**45.4 SECONDS**

OF DELAY PER VEHICLE ON AVERAGE IN 2040 WILL DROP THE LEVEL OF SERVICE RANK DOWN AN ENTIRE GRADE

## AVERAGE DELAY PER VEHICLE

AT CONVERSE & MASONWAY	
TODAY	IN 2040
14.9 SECONDS	25.0 SECONDS
AT CONVERSE & POINT BLUFF	
TODAY	IN 2040
12.7 SECONDS	18.0 SECONDS
AT CONVERSE & OGDEN	
TODAY	IN 2040
10.6 SECONDS	12.9 SECONDS
AT DELL RANGE & MOUNTAIN	
TODAY	IN 2040
20.4 SECONDS	23.1 SECONDS
AT DELL RANGE & GRANDVIEW	
TODAY	IN 2040
14.5 SECONDS	13.8 SECONDS





# About the Project



*CONVERSE AVE. AT DELL RANGE BLVD.*



*NARROW SIDEWALKS ON DELL RANGE BLVD.*



*EXISTING PEDESTRIAN BRIDGE ON CONVERSE AVE.*



*EXISTING CONDITIONS ON CONVERSE AVE.*

## MOBILITY & ACCESS

The Cheyenne MPO is embarking on a plan to improve the safety and mobility for all modes of transportation through the Dell Range Blvd. and Converse Ave. intersection including, biking, walking, driving, and public transportation.

Another component of the project will be to develop preliminary planning and design to extend the recently constructed Converse Ave. from Ogden Road to the Dell Range Blvd. and Converse Ave. intersection.

### **The project is made up of three parts:**

1. Develop and analyze alternative designs for the Converse Ave. and Dell Range Blvd. Intersection. This work includes an evaluation of alternatives using grading criteria to develop a preferred alternative using engineering, traffic planning and public input.
2. Estimate costs and develop preliminary designs and for the work needed on Converse Ave. between Dell Range Blvd. and Ogden Road and for the Converse Ave. and Dell Range Blvd. intersection preferred alternative.
3. The project team will also consider how other roadways are affected by congestion and bicycle and pedestrian conditions, as well as residential and business access.

## DRAINAGE

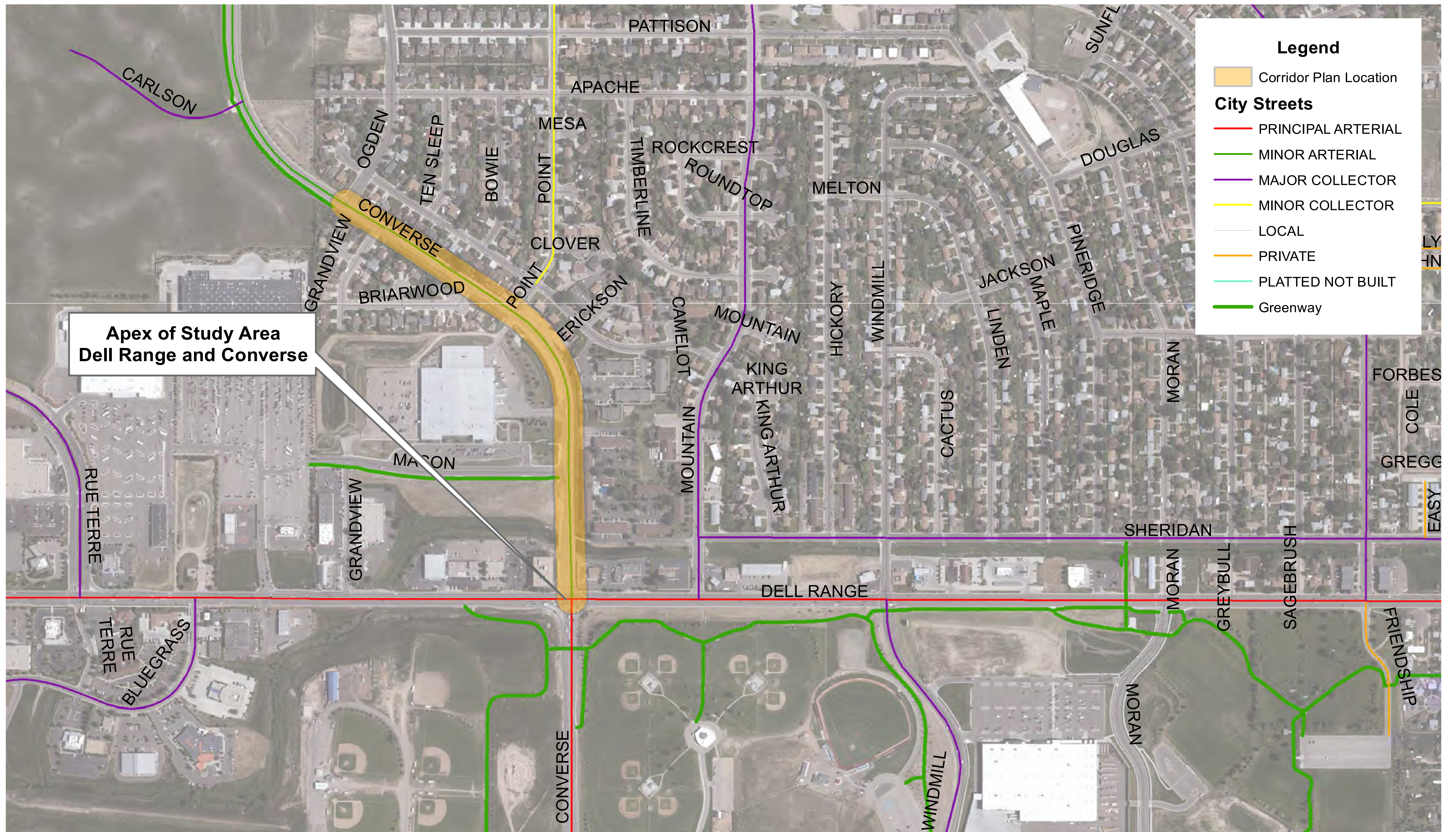
The plan will also evaluate storm water and environmental concerns. The 35% level design for a roadway and storm sewer plan for Converse Ave. from Dell Range Blvd. is at the location of where the newer built Converse Ave. ends at Ogden Road. This existing section was never fully completed and is deteriorating. The existing condition is a three lane 35 ft. paved sections of Converse Ave. with curb and gutter on the east side with a large swale on the west side. Construction of the Greenway extension and other improvements will likely require placing this swale underground in a storm sewer.

## GOAL

Create preliminary designs that identify ways to improve safety, congestion, operations, and mobility of the roadways and through intersections.



# Project Area





# What is Most Important to You?

Participate by placing a sticker next to the **four criteria** that matter to you most. Your vote helps us to prioritize the screening criteria.



MULTIMODAL SAFETY



EASE OF USE



COST



BUSINESS ACCESS



CONGESTION



UNDEVELOPED LAND ACQUISITION



DEVELOPED LAND ACQUISITION



DRAINAGE ISSUES

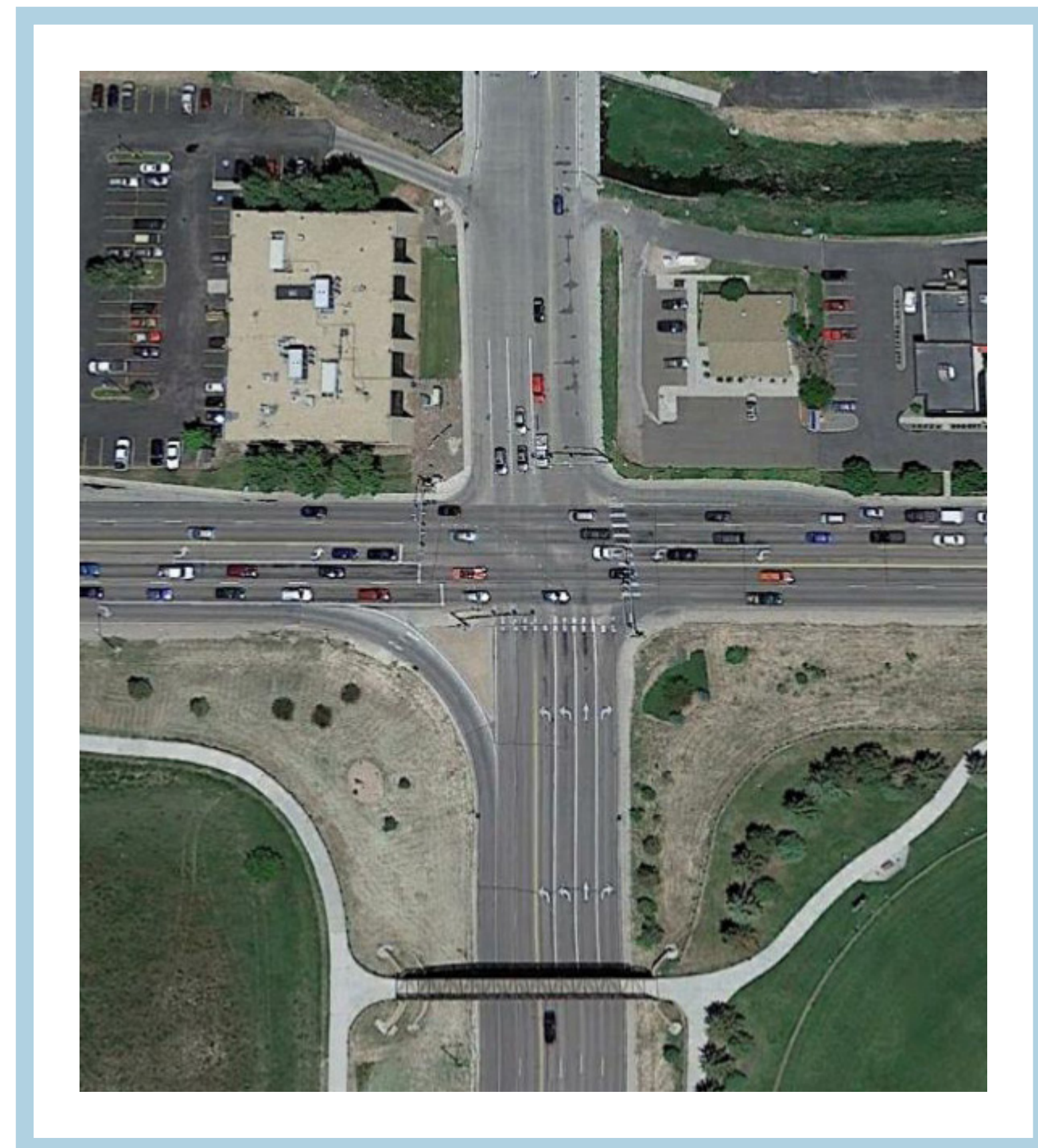


EMERGENCY VEHICLE ACCESS

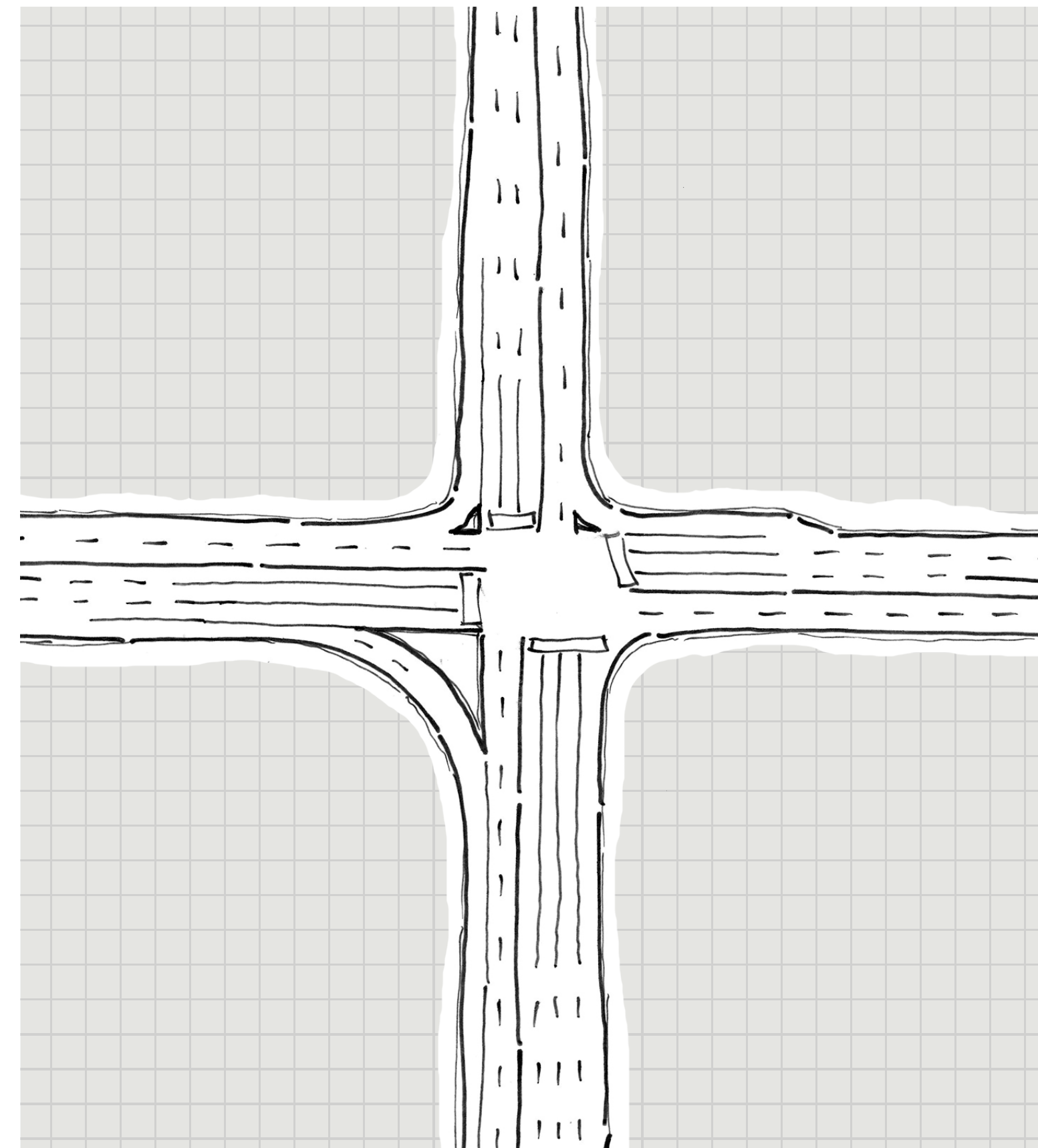


# Design Solution Examples

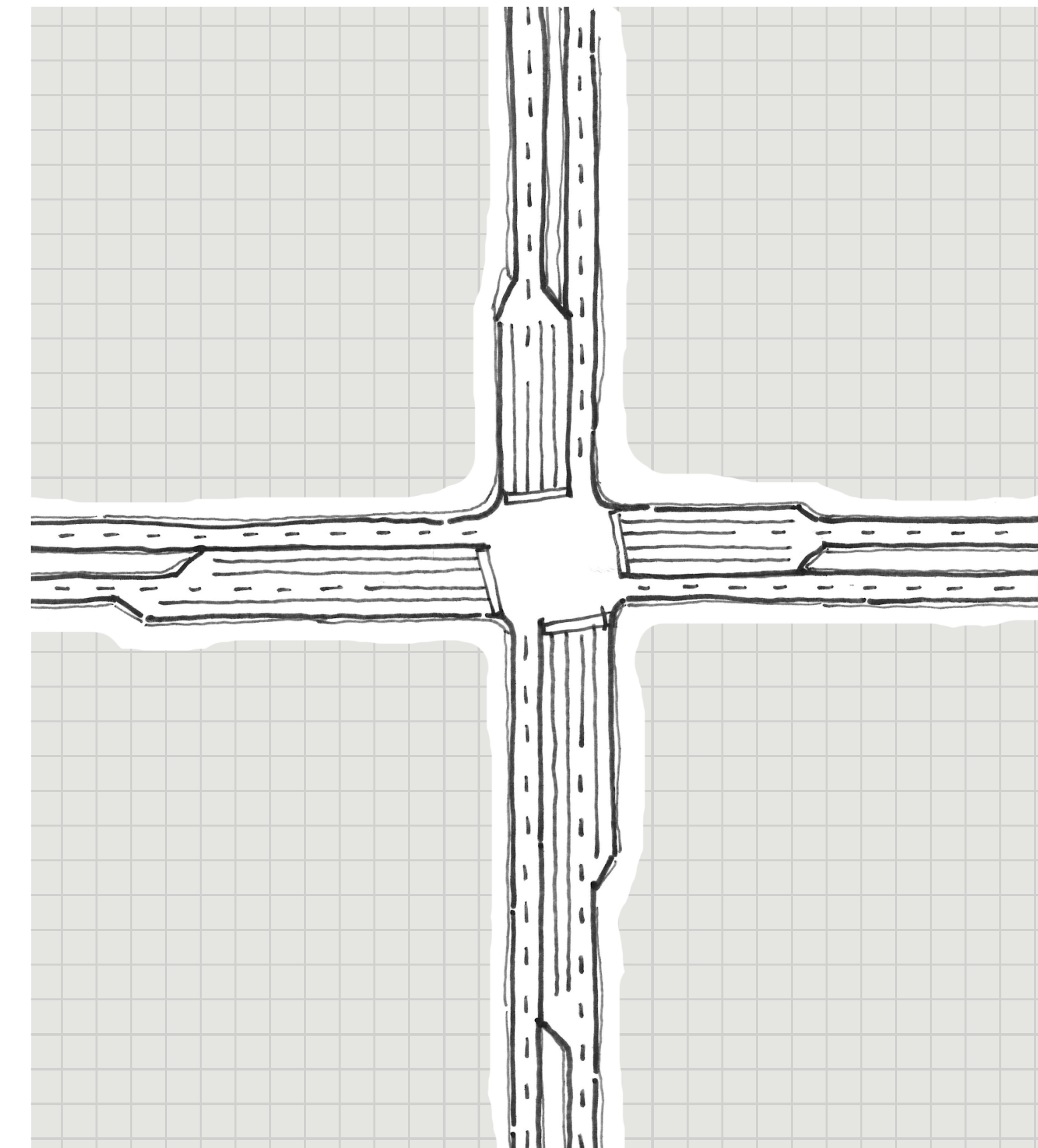
There are many design solutions that could work for the Converse Ave. and Dell Range Blvd. Intersection. Below are some examples worth noting in no particular order:



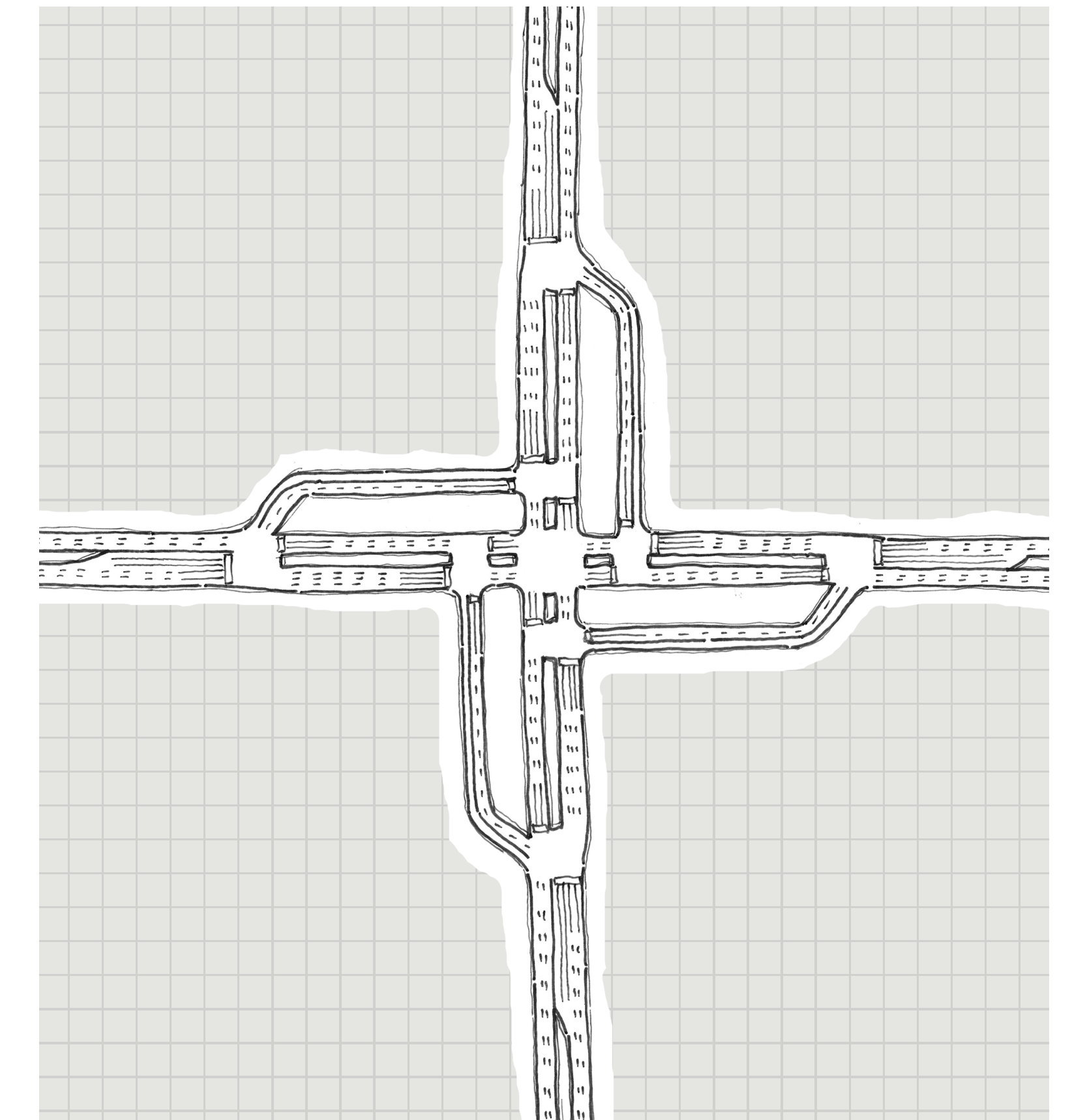
*NO CHANGE / CURRENT INTERSECTION DESIGN*



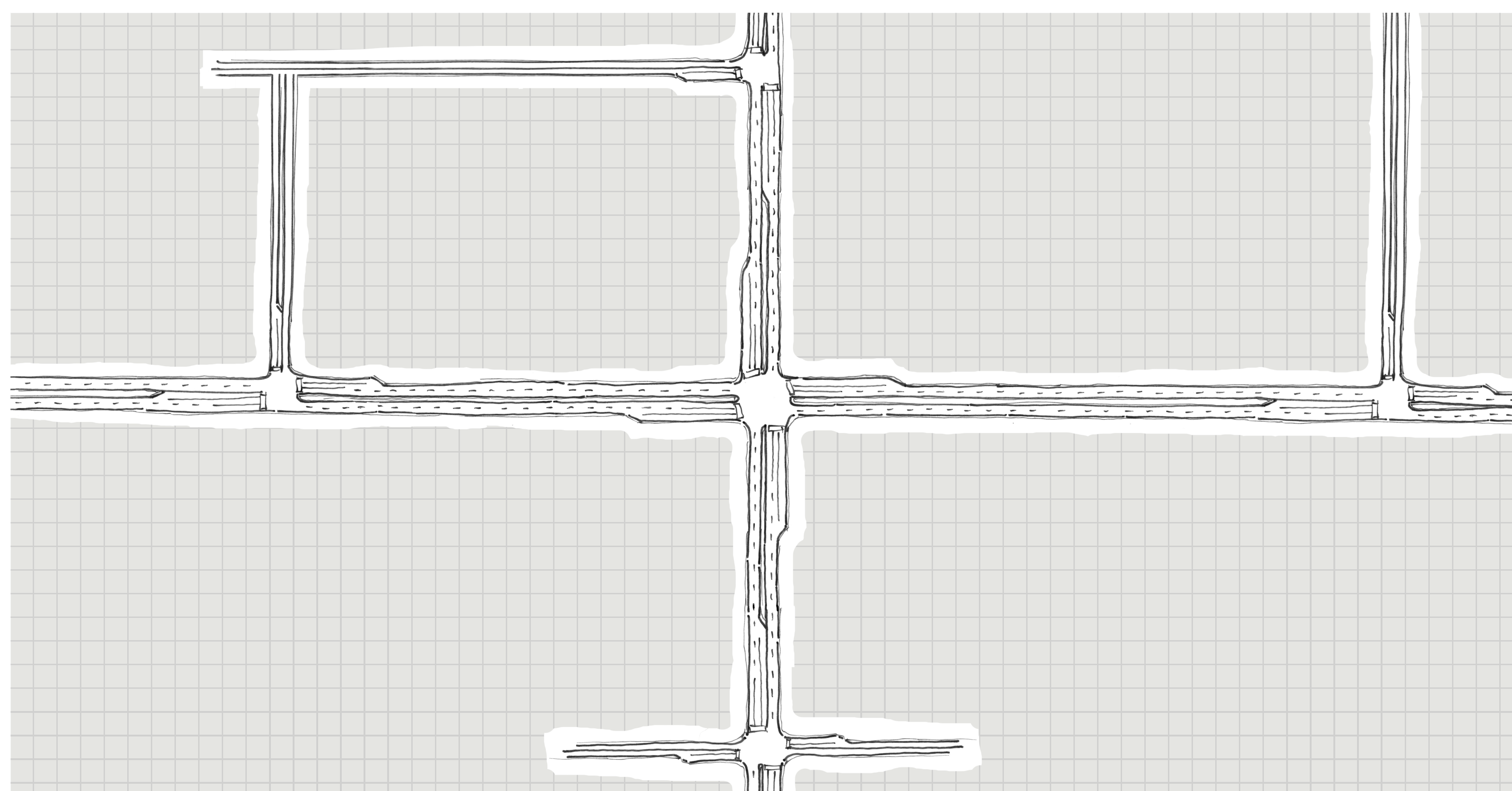
*PROTECTED-ONLY LEFT-TURN PHASING*



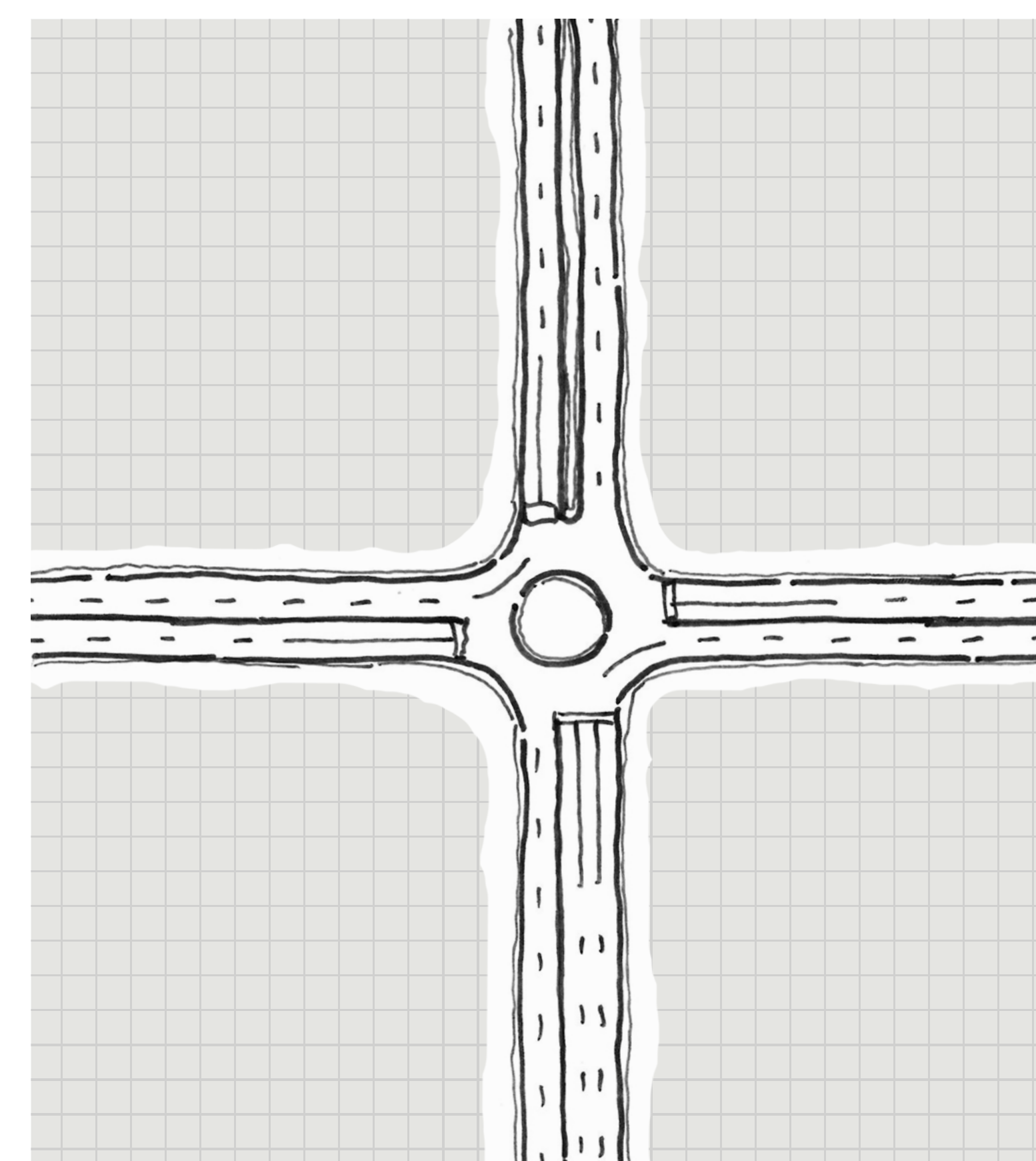
*DUAL LEFT-TURN LANES*



*CONTINUOUS FLOW INTERSECTION (CFI)*



*THRU-TURN INTERSECTION*



*MODERN ROUNDABOUT*

**OTHER**

**WE WANT TO KNOW YOUR IDEAS!**

PLEASE FILL OUT A COMMENT CARD





# How to Get Involved In the Converse/Dell Range Project

**We value your input and your feedback!** We'll be reaching out to the community to help understand what's most important to you on the roadway and what changes are needed to make your trip better. To be a part of the planning process you may attend a public meeting, take a survey, join the discussion on Facebook, or contact one of our project representatives.

## TIMELINE

-  **Community Engagement**  
Ongoing
-  **Public Meeting 1**  
Fall 2016
-  **Traffic Analysis**  
Fall & Winter 2016
-  **Predictive Safety Modeling**  
Fall & Winter 2016
-  **Public Meeting 2**  
Winter 2016
-  **Converse Ave. Roadway/ Drainage Design**  
Winter 2016-Spring 2017
-  **Environmental Review**  
Spring 2017

## INTENDED PROJECT OUTCOMES

When complete, the plan will set the course for how the City of Cheyenne uses available funds to improve the intersection and roadway. The goal of the plan is two-fold: To improve safety for motorists, bicyclists and pedestrians traveling on and around Converse Ave. and Dell Range Blvd. while also improving the roadway's drainage infrastructure.

## PROJECT SCOPE

There will be an extension of Converse Ave. from Dell Range Blvd. to Ogden Road including the Greenway.

- ✓ There will be several viable Converse/Dell Range intersection design options that promote improvement.
- ✓ There will be a new and more efficient storm water system in place along Converse Ave.
- ✓ We are also developing accurate cost estimates to construct all the improvements.

## LEARN MORE



**Find us Online**  
[PlanCheyenne.org](http://PlanCheyenne.org)



**Facebook**  
Cheyenne Metropolitan Planning Organization - MPO



**Additional Questions**  
Call Nancy at 307-638-4385