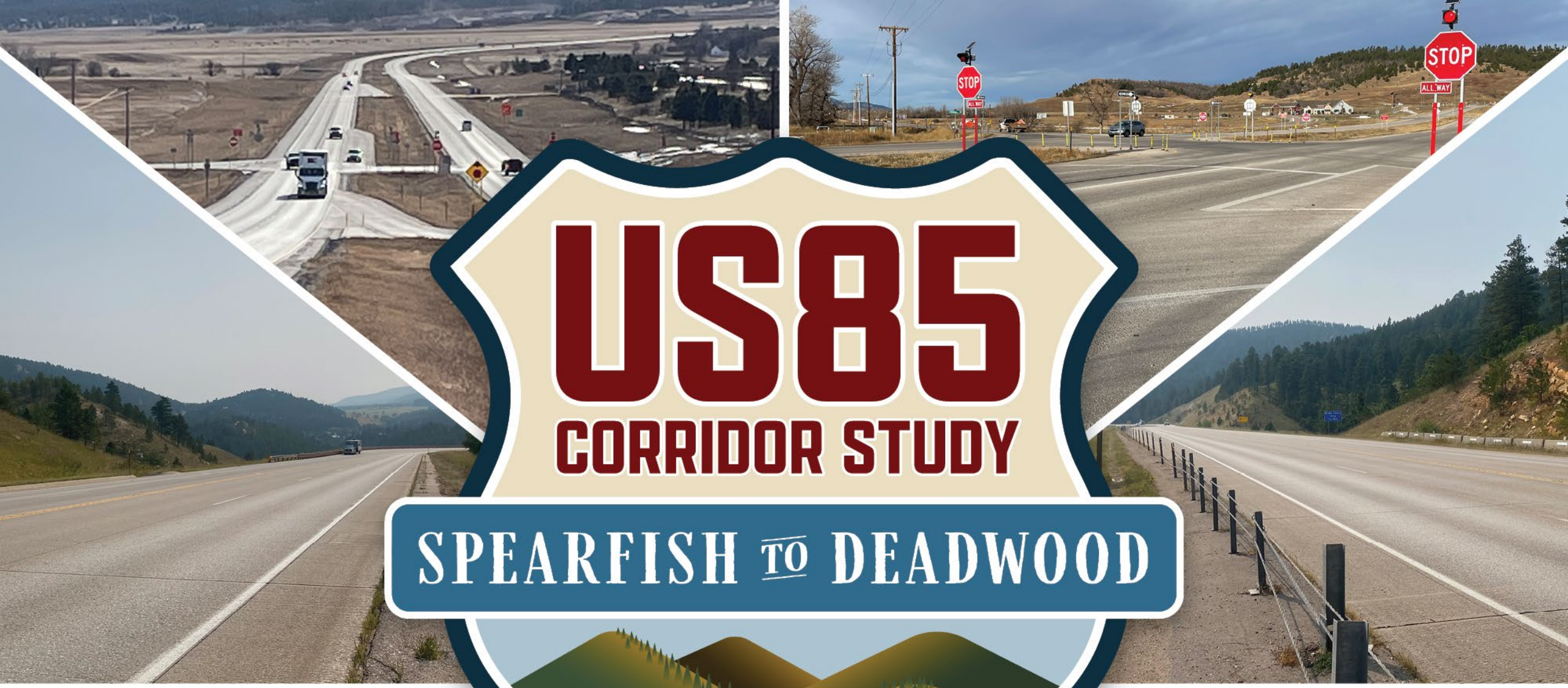


US85 CORRIDOR STUDY

SPEARFISH TO DEADWOOD

SD DEPARTMENT OF TRANSPORTATION

PUBLIC OPEN HOUSE

JULY 19, 2023

Project Overview

A planning-level corridor study is being performed for the portion of U.S. Highway 85 (US85) between the cities of Spearfish and Deadwood.

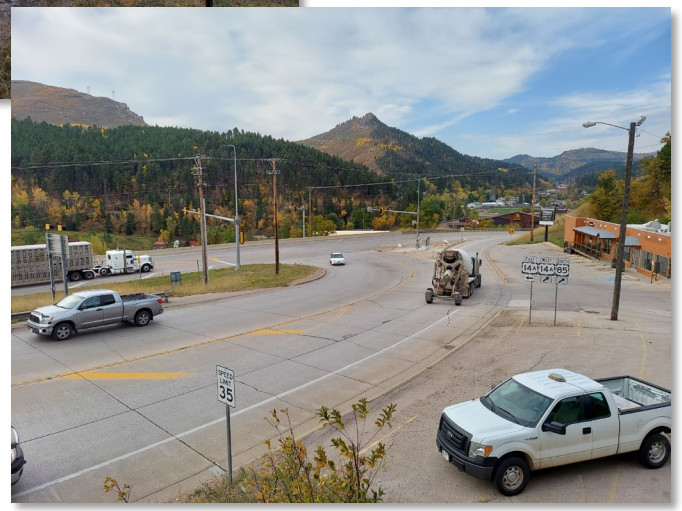
Purpose of the study:

1. Evaluate existing and future conditions of the corridor
2. Identify potential improvements related to roadway conditions, traffic operations, and safety

The study corridor begins at Duke Parkway, just north of Interstate 90 (I-90) at Exit 17 in Spearfish, and continues south to the junction of U.S. Highway 14 Alternate (US14A) in Deadwood.

Project Process

To date, baseline information including traffic counts, crash data, and past studies have been collected, as well as a review of the existing traffic operations, future operations analysis, and safety analysis. A final report including improvement recommendations is anticipated to be completed in spring 2024.



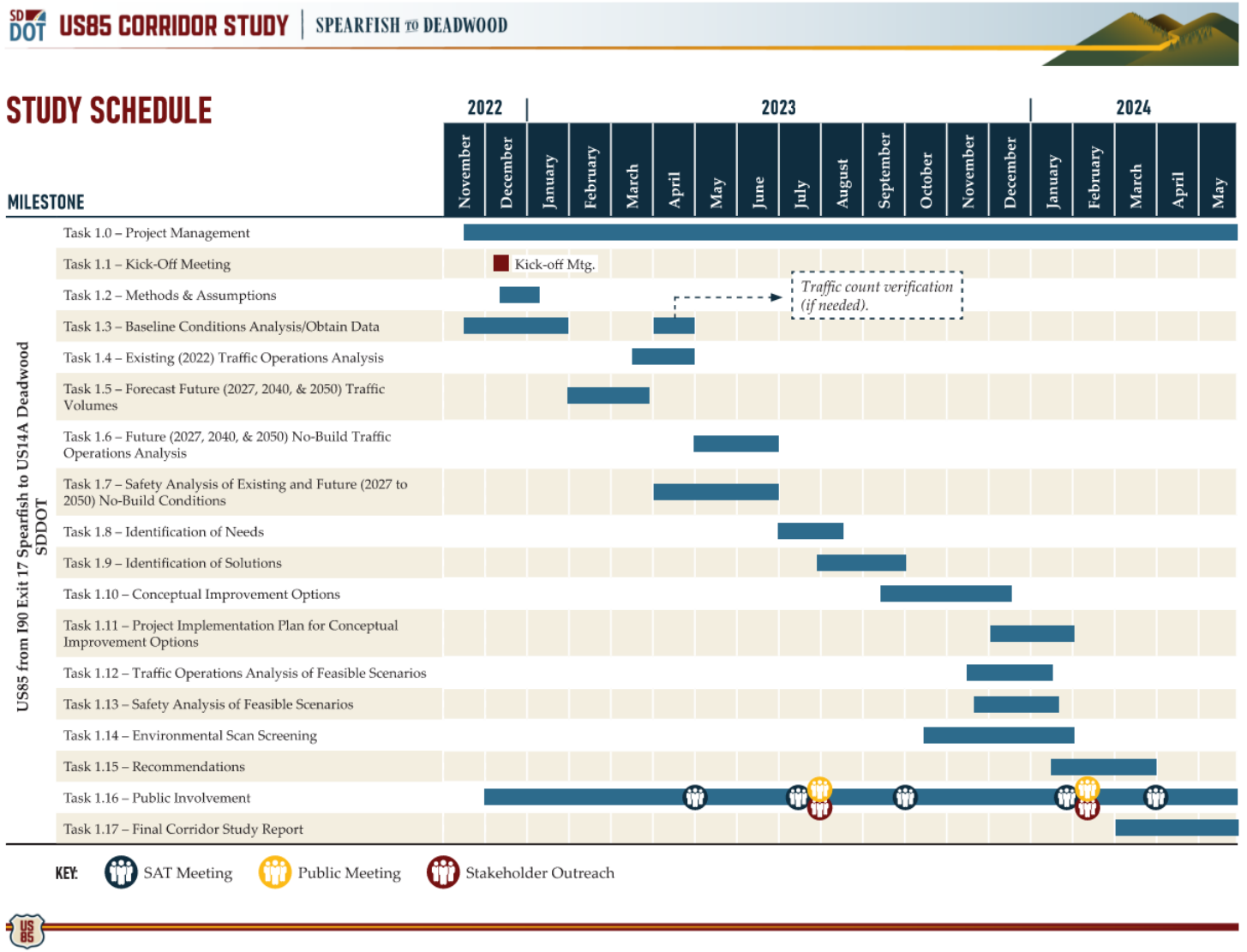
SDDOT assembled a Study Advisory Team (SAT) – representatives from SDDOT, City of Spearfish, City of Deadwood, Lawrence County, and FHWA **– to guide development of corridor study.**

Stakeholder input is a critical consideration in the study's identification of needs and final recommendations of technically sound improvements along the corridor.

For more information, please visit https://us85spearfishtodeadwood.com

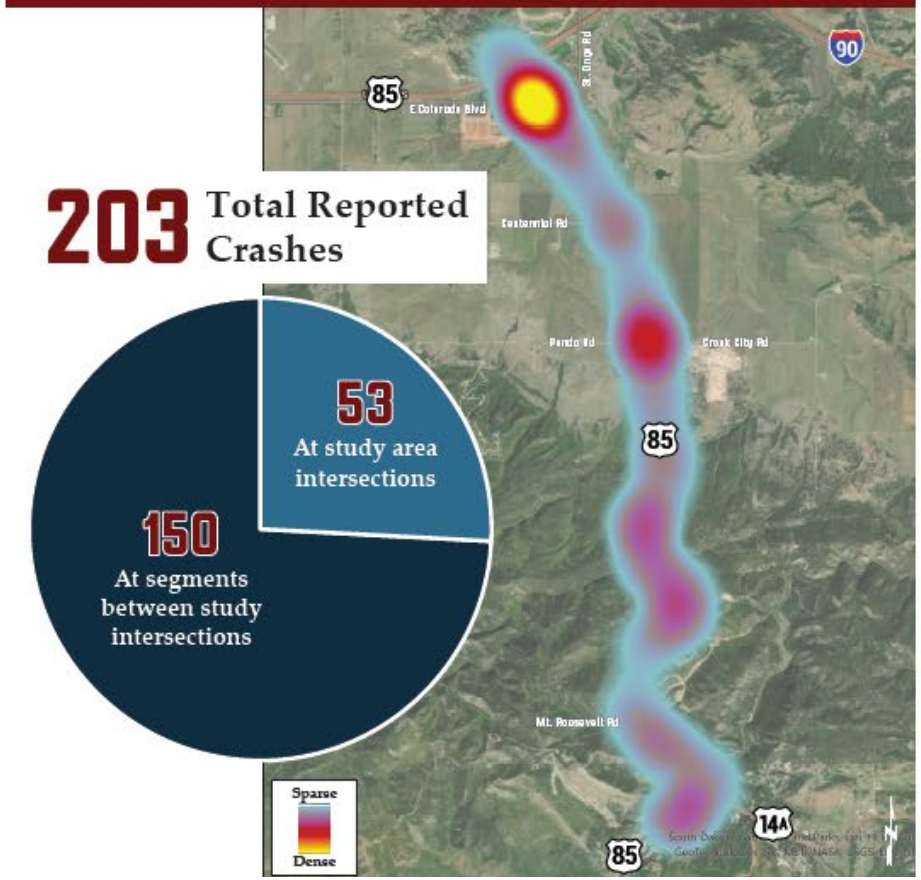
Project Process

Work on the corridor study began in winter 2022/2023. Additional information will be made available as the project progresses.



Corridor Safety

Project Corridor between 2017 and 2021:



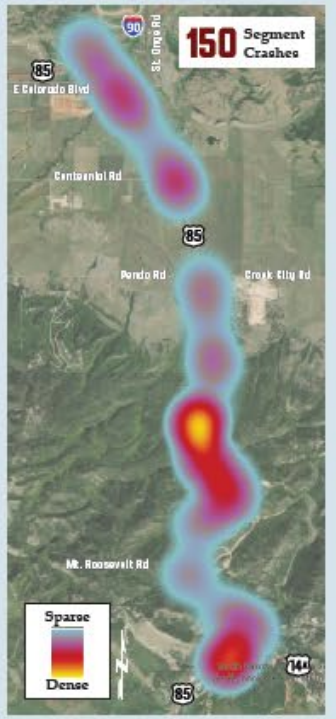
Intersections

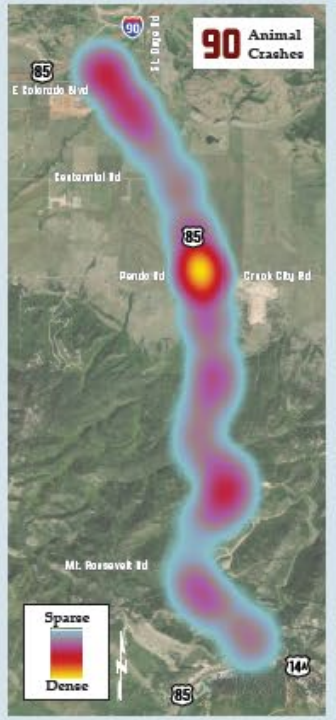
The intersection of US85 & E Colorado Boulevard/St. Onge Road experienced a total of 34 reported crashes during this five-year period. However, the referenced reporting period was prior to the conversion of the intersection to all-way stop control. **Since June 29, 2022 and through the end of 2022, only 1 crash has been reported.**

All other intersections experienced much fewer reported crashes during this five-year period with the most being 6 at the Crook City Road/Pendo Road intersection.

Segments

150 crashes occurred along highway segments within the study corridor between intersections. 90 (60%) of those crashes involved a vehicle striking a wild animal.



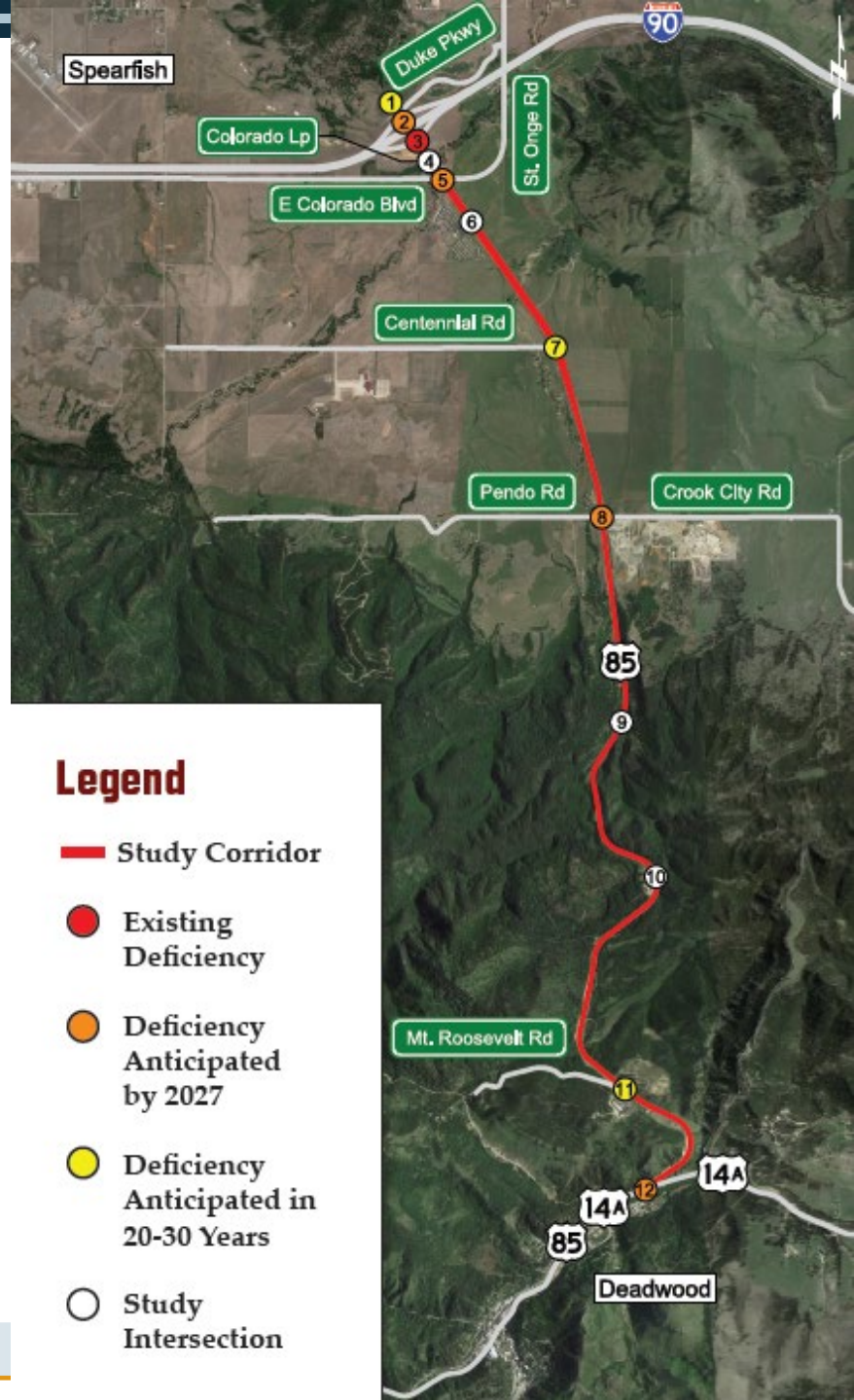


Traffic Operations

Due to the anticipated private development activity, **average daily traffic (ADT) volumes are expected to increase significantly throughout the corridor.**

Currently, only one intersection along the US85 corridor has operational deficiencies. Seven additional study intersections are expected to have future operational deficiencies.

INTERSECTION	AVERAGE DAILY TRAFFIC VOLUME			
	Existing (2022)	2027	2040	2050
Between Intersections 3 & 5 *I-90 (Exit 17) to E Colorado Blvd/St. Onge Rd*	5,200	20,350	25,650	26,200
Between Intersections 5 & 8 *E Colorado Blvd/St. Onge Rd to Pendo Rd/Crook City Rd*	5,400	13,100	18,900	19,450
Between Intersections 8 & 11 *Pendo Rd/Crook City Rd to Mt. Roosevelt Rd*	5,050	11,150	16,500	17,050
Between Intersections 11 & 12 *Mt. Roosevelt Rd to US14A*	5,450	11,900	17,550	18,250



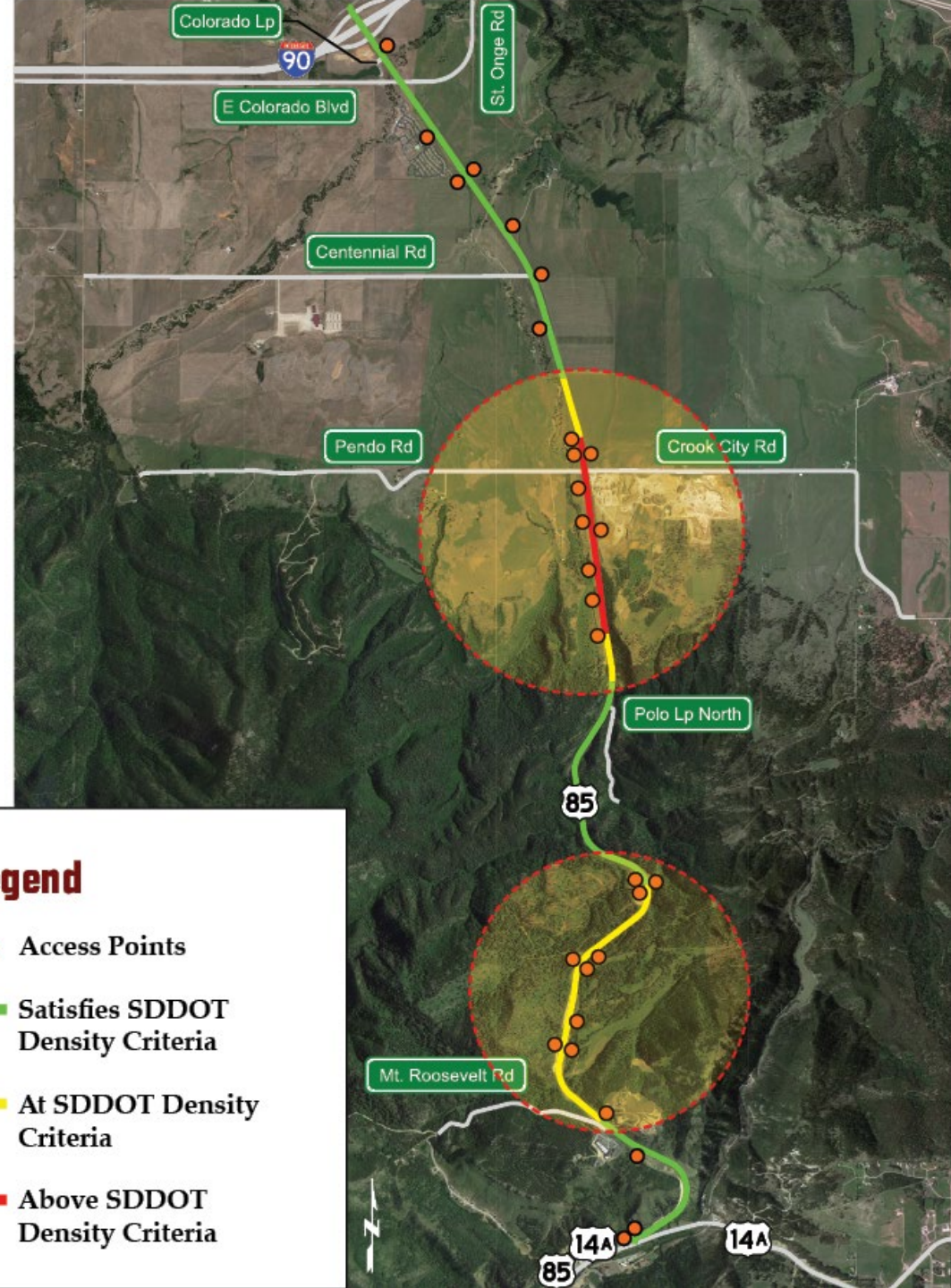
Access Density

Access density relates to balancing safety and traffic mobility while providing non-intersection access points along the corridor.

The following segments are at or above (do not satisfy) SDDOT criteria:

- × Immediately north and south of Crook City Road/Pendo Road
- × North of Mt. Roosevelt Road

The safety and efficiency of South Dakota's highway system is directly related to well-managed arterials. Studies show they are 40-50% more safe than poorly managed routes.

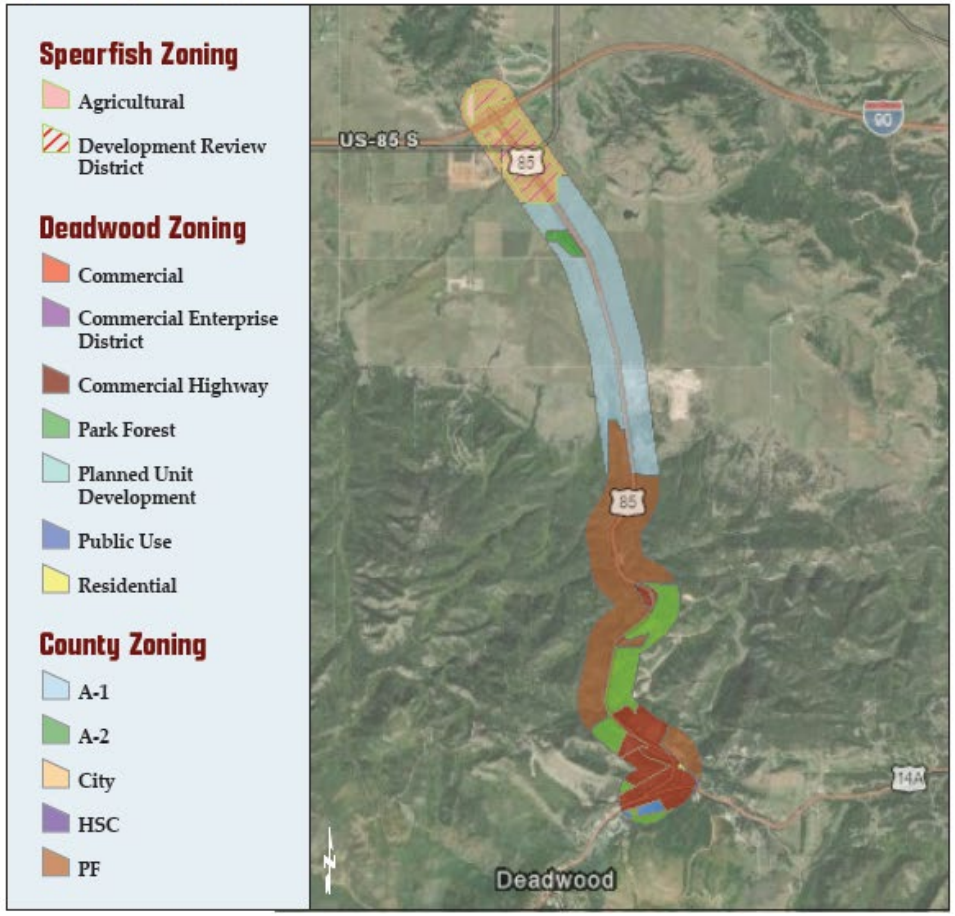


Development Activity

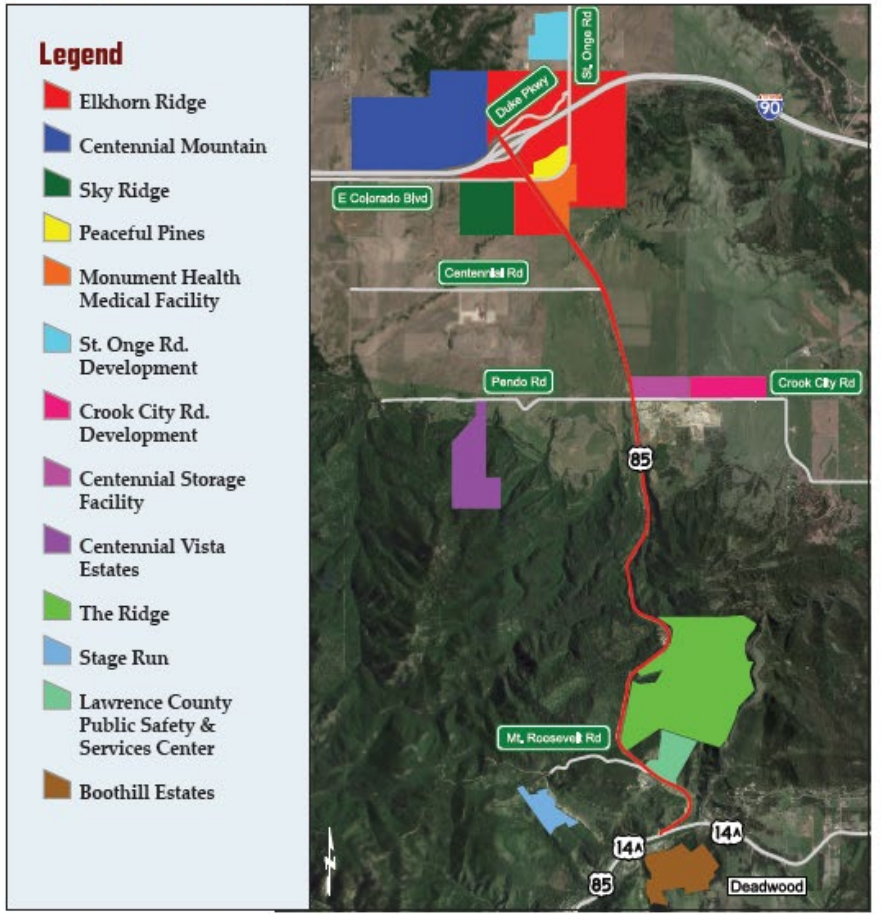
The maps to the right illustrate proposed development activity along the US85 study corridor.

Future land use types, sizes, and locations associated with each of these developments were used in the development of future traffic volume forecasts.

ZONING CATEGORIES



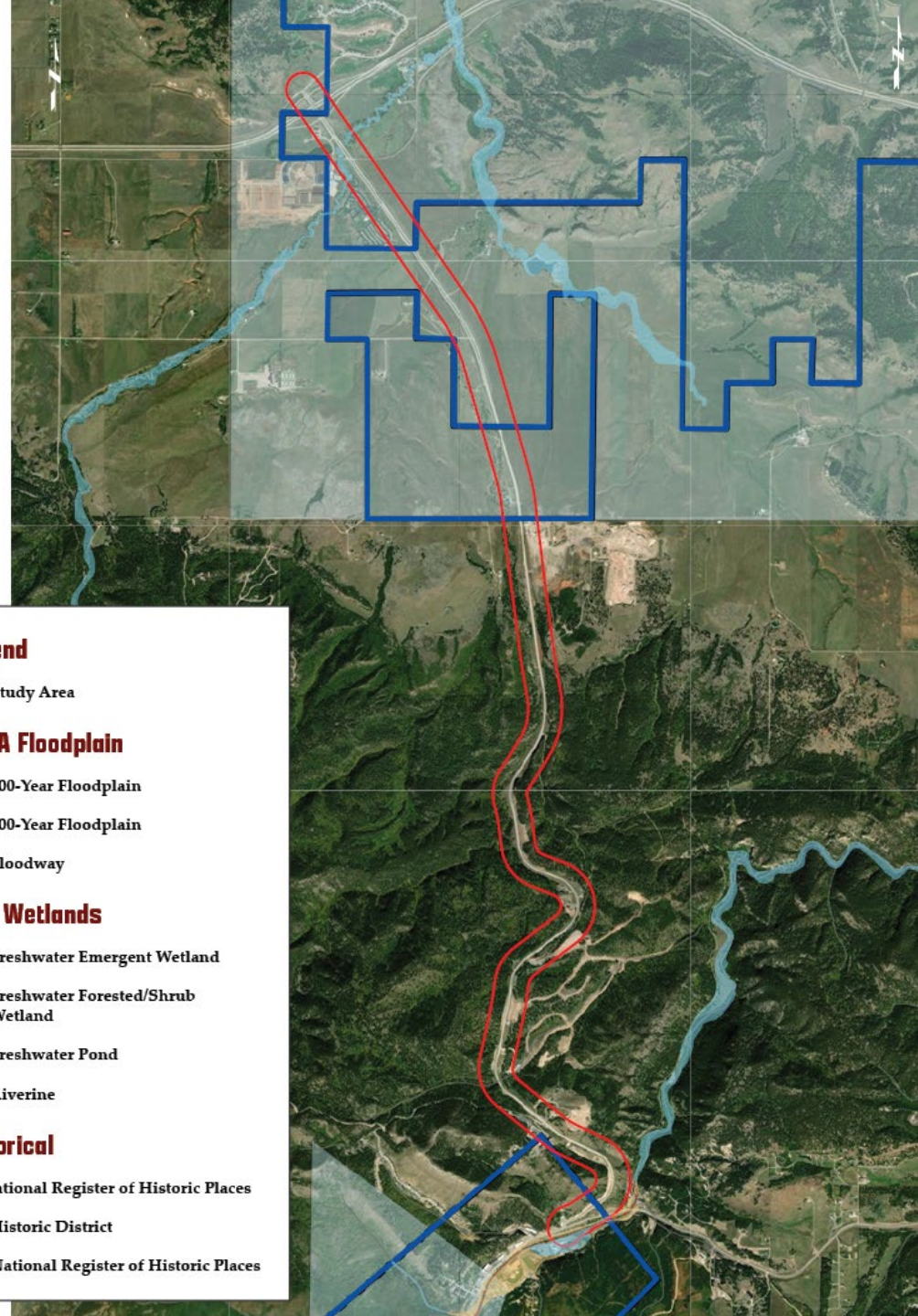
PROPOSED DEVELOPMENT AREAS



Environmental Resources

An environmental review of the study corridor will be performed during the study process, and involves addressing resources such as wetlands, streams, floodplains, historic areas and structures.

This will also include coordination with multiple agencies regarding the presence of environmental resources.



US85 CORRIDOR STUDY

SPEARFISH TO DEADWOOD

THANK YOU FOR JOINING US TODAY

Stay up-to-date on the project at

https://www.us85spearfishtodeadwood.com/