



## US 50 and CO 231 (36<sup>th</sup> Lane) Intersection Improvements

### ► What is the purpose of this project?

The purpose of the project is to improve safety by increasing sight distance and reducing crossing distance to allow for safe motorist crossing of US 50 and CO 231 (36th Lane) and to improve overall pedestrian and motorist safety near schools on US 50 Business and CO 231 (36th Lane).

### ► What safety improvements have been completed?

- The speed limit was reduced approaching the intersection on US 50 Business and CO 231 (36th Lane).
- Existing signage was repositioned to improve sight distance at both intersections.
- Advanced guide signs were relocated ¼ mile before the US 50 and CO 231 (36th Lane) intersection.
- Pedestrian signs were updated and replaced at US 50 Business and CO 231 (36th Lane) and a rapid flashing beacon sign was added to alert motorists and pedestrians.

### ► What types of safety improvements are planned?

#### US 50 and CO 231 (36th Lane) Intersection:

- The right thru lane of US 50 eastbound will convert into a right turn only lane ½ mile in advance of the intersection with 36th Lane.
- An intersection conflict warning system that will recognize approaching traffic and illuminate the warning signs alerting motorists of approaching vehicles to the intersection on both US 50 and on CO 231 (36th Lane) will be installed.
- The stop line of CO 231 (36th Lane) at US 50 will move up to the eastbound lane of travel so the right turn lane will not impact the view of motorists trying to cross the intersection. This will also reduce the crossing distance for northbound left-turning vehicles.
- Raised islands will be installed to allow the stop line to be moved up and will improve the sight distance when crossing the intersection.

#### US 50 Business and CO 231 (36th Lane) Intersection:

- The stop line of CO 231 (36th Lane) at US 50 Business will be moved up to the travel lanes of US 50 Business to reduce the crossing distance for northbound and southbound left turning vehicles.
- Raised islands will be installed with pedestrian refuge that allows the stop line to be moved up and improves sight distance when crossing the intersection.

### ► What are Rapid Flashing Beacon Signs?

Rapid Flashing Beacon Signs are a widely-used and highly effective for pedestrian and bicyclist crossings. Their amber color and erratic flash pattern are proven to capture drivers' attention, increasing yield rates by up to 98% and reducing crashes up to 47%, [according to the FHWA](#) and are a Proven Safety Countermeasure promoted by the [Safe Transportation for Every Pedestrian \(STEP\) initiative](#).

### ► What is an Intersection Conflict Warning System?

Intersection Conflict Warning Systems (ICWSs) are used to warn drivers on the through road of the presence of traffic at stop-controlled cross streets and to warn drivers at stop-controlled approaches of the presence of traffic on the through lanes. According to the Federal Highway Administration, ICWS can reduce severe crashes at intersections by 20% to 30%.





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### ▶ **When will construction start?**

Construction starts mid-September 2023 and will be completed by end of December 2023.

### ▶ **What is the cost of the project?**

The cost of the safety improvements is estimated at \$1.38 million.

### ▶ **How will you keep us informed?**

The project team is available for any additional questions or input you might have. Your input is important to CDOT. All interested community members should keep up to date on the project in one of the following ways:

- **Project Website:** [www.codot.gov/projects/us50-co231-intersection-improvements](http://www.codot.gov/projects/us50-co231-intersection-improvements)  
Receive construction updates by clicking on “Sign up for project emails” on project website.
- **Project Email:** [us50intersectionimprovements@gmail.com](mailto:us50intersectionimprovements@gmail.com)
- **Project Hotline:** 719-691-7106

