

# SH-291 West Entry Streetscape Improvements

CDOT Local Agency Project #25249



Building a Better World  
for All of Us®

SALIDA, CO | AUGUST 19TH, 2024







**A**

**GATEWAY TO THE CITY**

**B**

**MESA LANE INTERSECTION**

**C**

**PEDESTRIAN CROSSINGS**



- D** FUTURE TRANSIT ACCOMMODATIONS
- E** PEDESTRIAN CROSSING
- F** SALIDA PUBLIC WORKS PARKING
- G** PLANNED NEW DEVELOPMENT
- H** MATCHING GRADE
- I** ACCESS AT CORNER

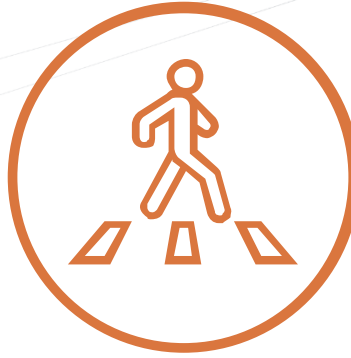
..... River Trail System

PROJECT APPROACH

## KEY PROJECT CONSIDERATIONS



TRAFFIC OPERATIONS / EFFICIENCY



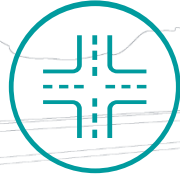
SAFETY



COST



## MESA LANE INTERSECTION



### TRAFFIC OPERATIONS / EFFICIENCY

- CURRENT NORTHBOUND LEFT TURN FROM MESA LANE IS LEVEL OF SERVICE C “STABLE FLOW”  
(15-25 SECONDS OF DELAY PER VEHICLE)
- ROUNDABOUT OR SIGNALIZATION WOULD SIGNIFICANTLY IMPROVE THE NORTHBOUND MOVEMENT TO LEVEL OF SERVICE A “FREE FLOW”, AND REDUCE THE QUEUE.  
(0-10 SECONDS OF DELAY PER VEHICLE)
- SIGNALIZATION IS NOT CURRENTLY AN OPTION  
(DOES NOT MEET MUTCD WARRANT CRITERIA)

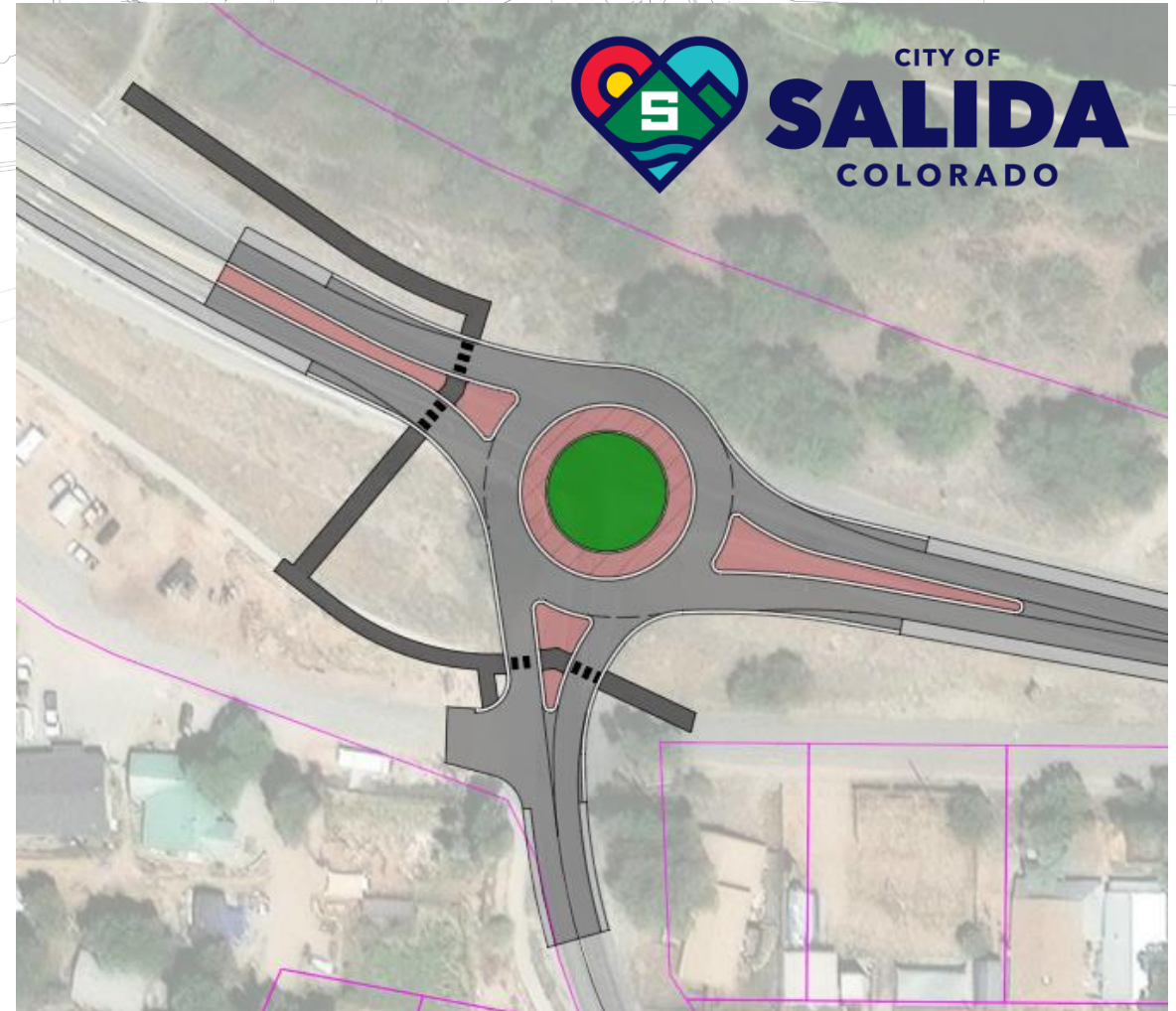


## MESA LANE INTERSECTION



### SAFETY

- ROUNDABOUTS PROVIDE TRAFFIC CALMING MEASURES TO REDUCE TRAFFIC SPEEDS
- PROVIDES AN IMPROVED PEDESTRIAN CROSSING
- WILL REDUCE THE SEVERITY OF CRASHES
- WILL MEET SPECIFICATION PROVIDED BY FIRE CHIEF
- MAY DISCOURAGE HEAVY TRUCK TRAFFIC



## MESA LANE INTERSECTION



### COST

- ROUNDABOUT IS ESTIMATED TO ADD ~\$350,000 TO THE PROJECT COST
- FUTURE SIGNALIZATION IS ESTIMATES TO COST BETWEEN \$500,000 AND \$750,000
- ROUNDABOUTS REDUCE LONG-TERM MAINTENANCE COSTS AND FREQUENCY OF CDOT PERSONNEL TO DEAL WITH ISSUES

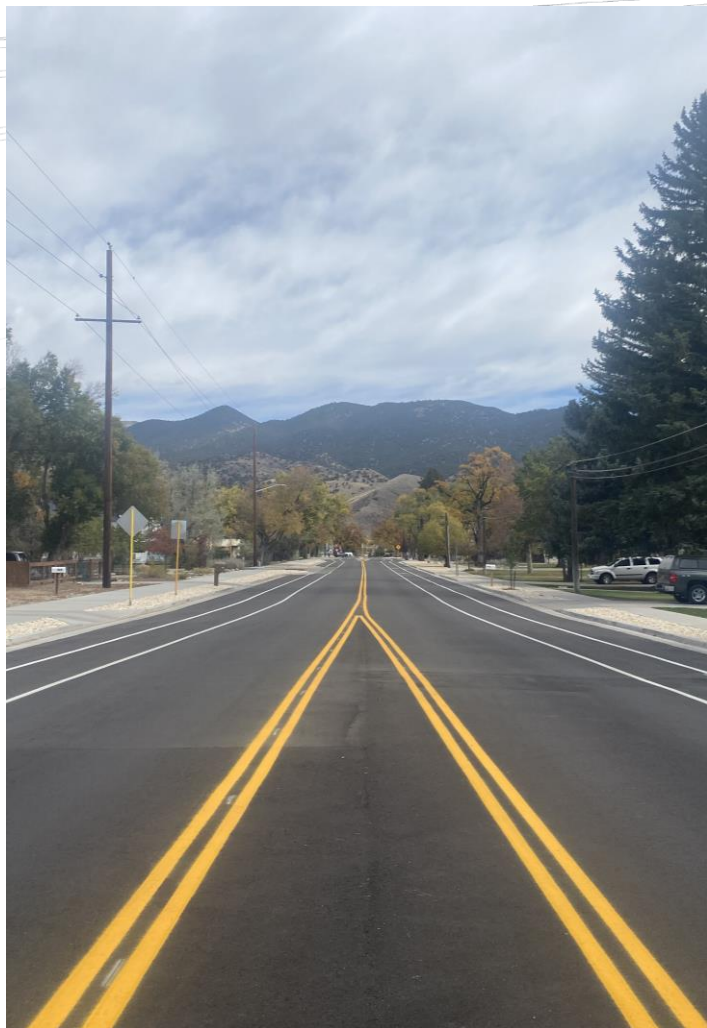




## CONVENTIONAL INTERSECTION (ALTERNATIVE)

- IMPROVEMENTS CAN BE MADE TO THE INTERSECTION GEOMETRY
- THE ADDITION OF CURB AND GUTTER ACT AS A TRAFFIC CALMING MEASURE
- ADDITIONAL MEDIANS AND SIGNAGE CAN BE ADDED TO IMPROVE THE INTERSECTION FUNCTION AND SAFETY, SUCH AS PROVIDE PEDESTRIAN REFUGE AREAS





THANK YOU!



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