

- RELOCATE TRANSFORMER. RELOCATE SIGNAL EQUIPMENT INCLUDING CABINET, AND USP BEHIND
- RELOCATE EXISTING R9-3 AND R9-3bP (NO PEDESTRIAN CROSSING USE NEXT
- RELOCATE WAYFINDING SIGNS .

- REPLACE LEFT-TURN SIGNAL HEAD

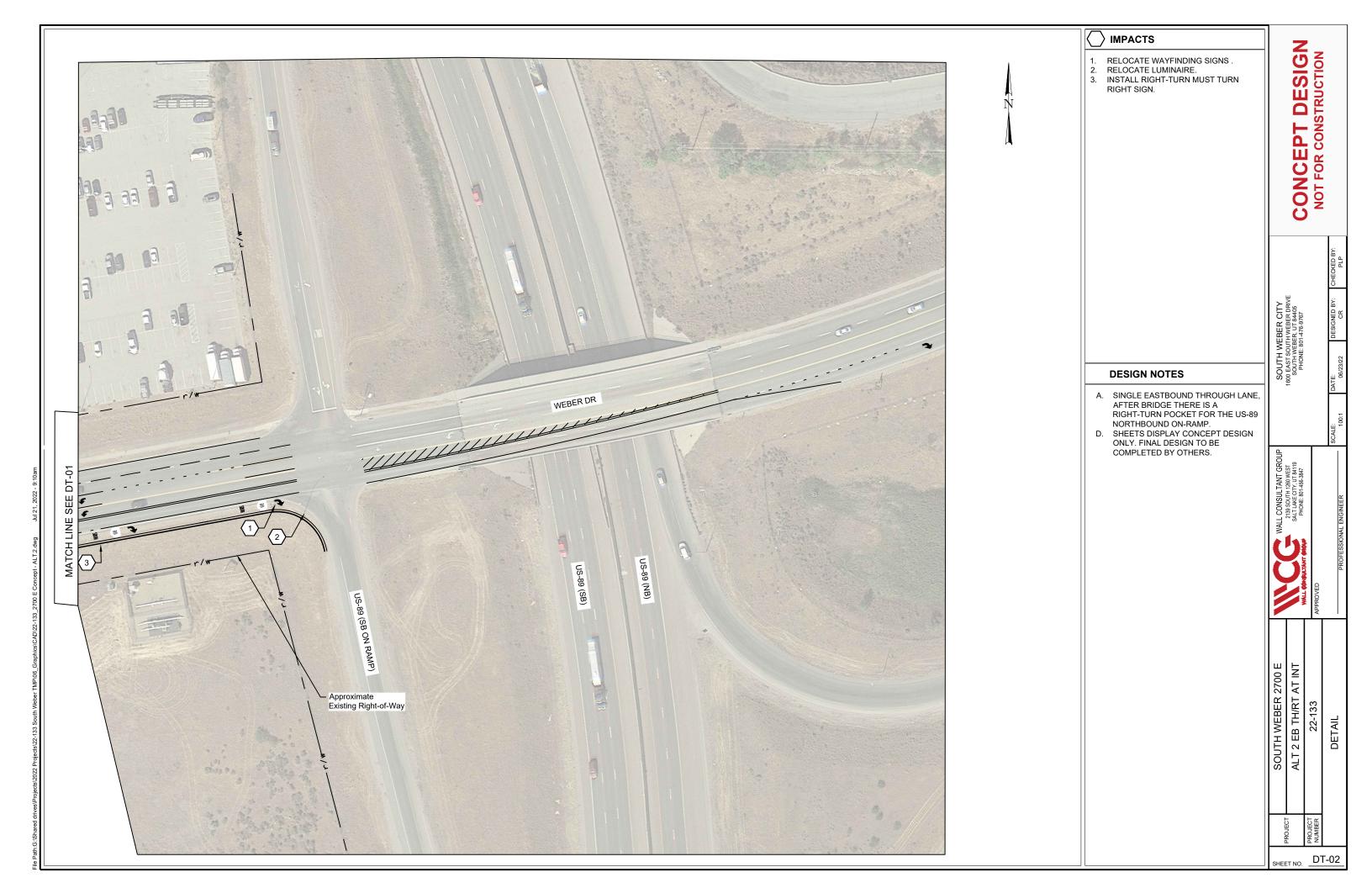
- 15. INSTALL PEDESTRIAN ACCESS RAMP.

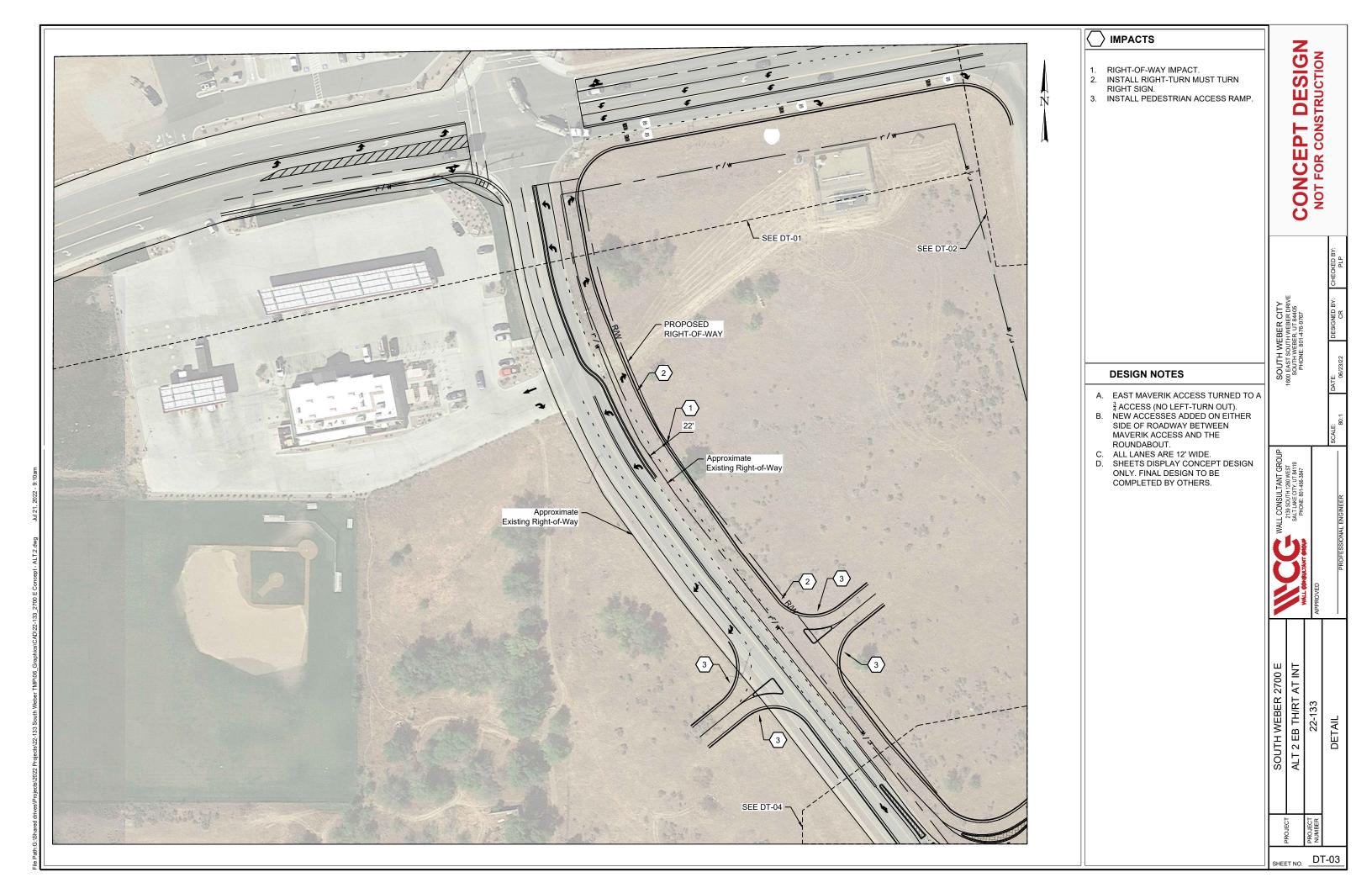
- WEBER DR AND 2700 E
- ALL LANES ARE 12' WIDE.
- SHEETS DISPLAY CONCEPT DESIGN
 ONLY. FINAL DESIGN TO BE COMPLETED BY OTHERS.

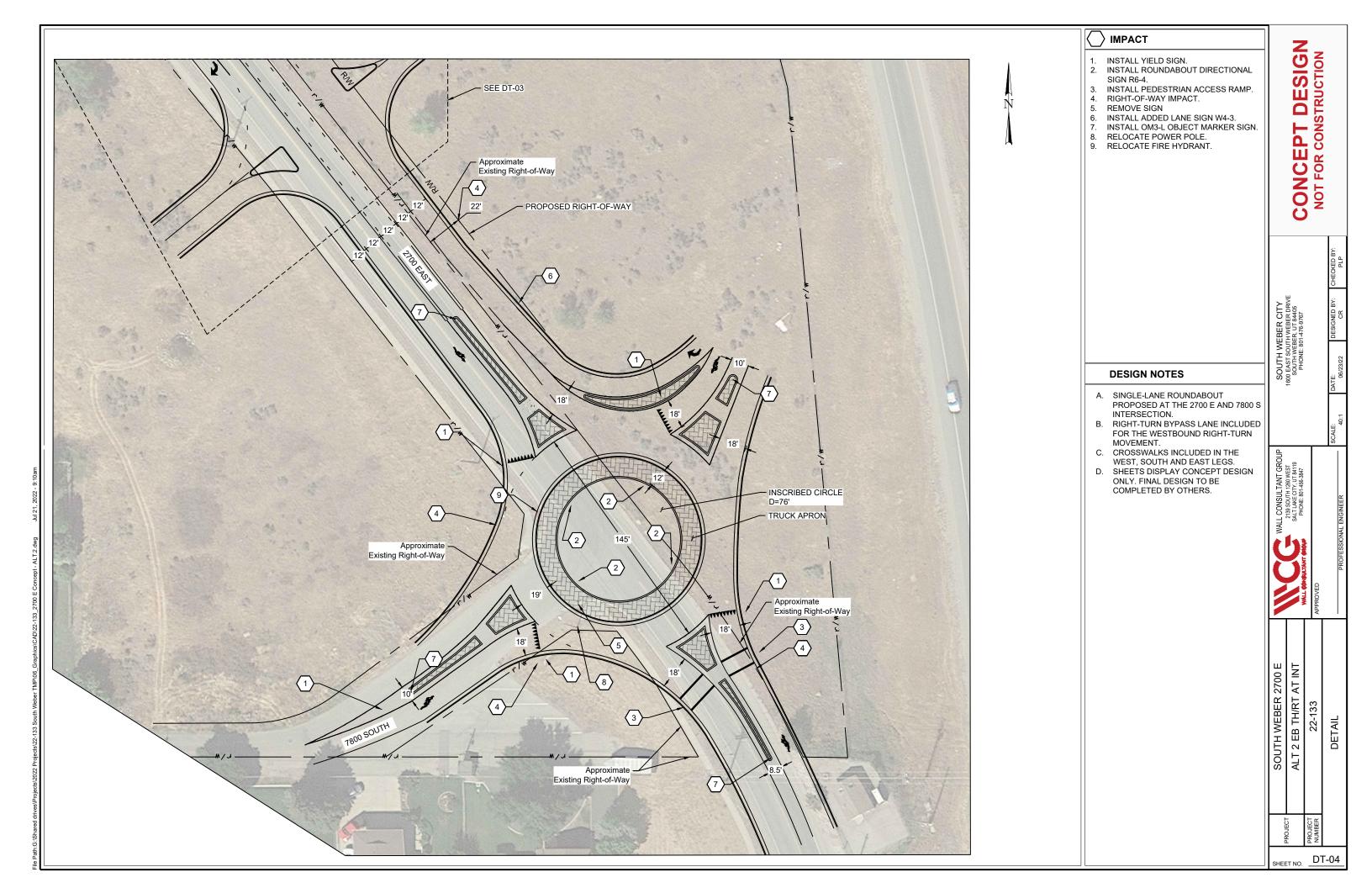
CONCEPT DESIGN NOT FOR CONSTRUCTION

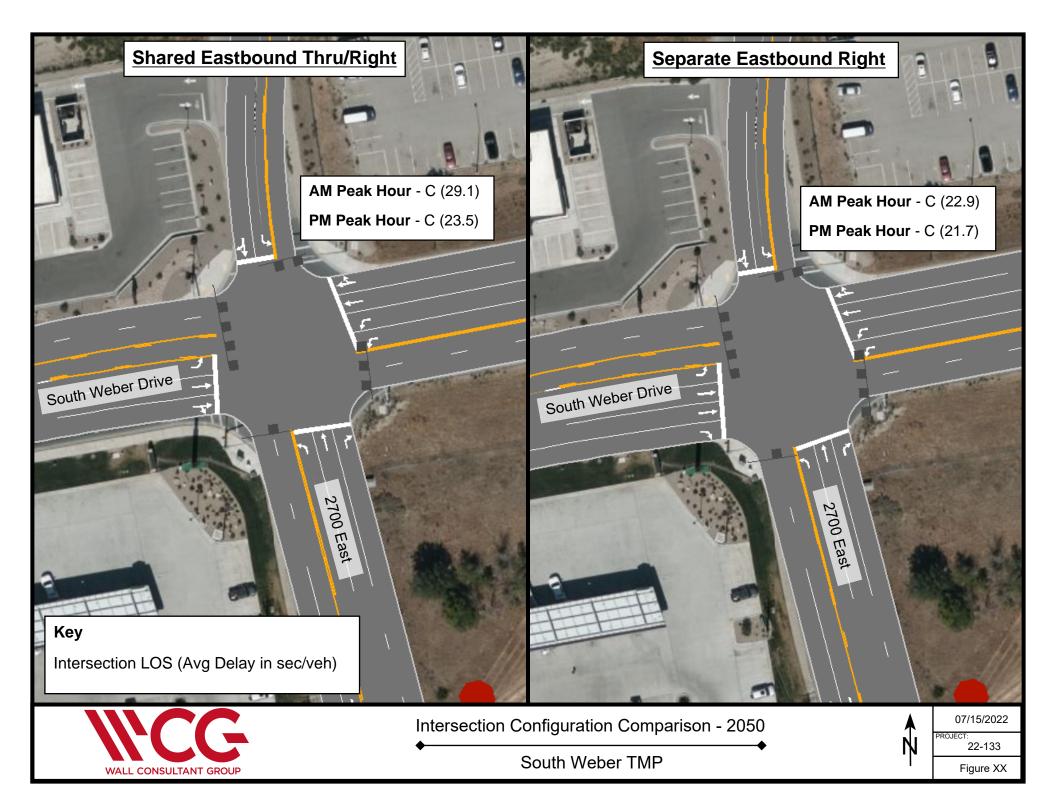
SOUTH WEBER 2700 E ALT 2 EB TH/RT AT INT 22-133

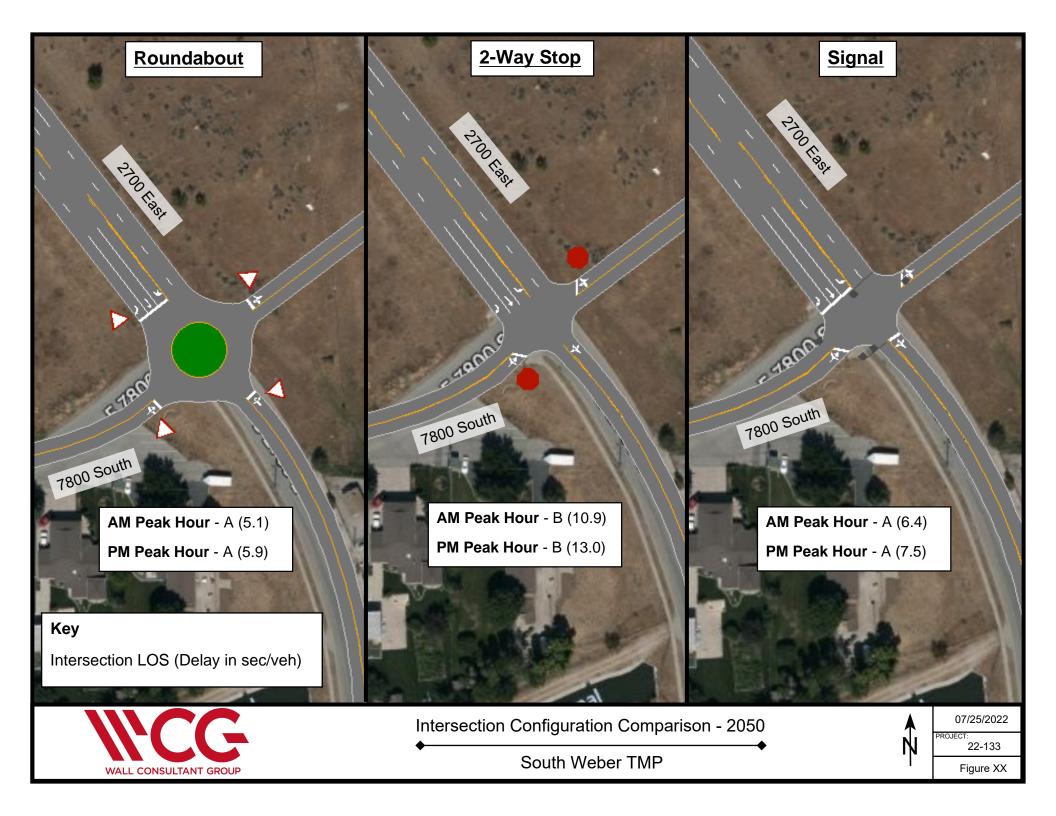
SHEET NO. DT-01







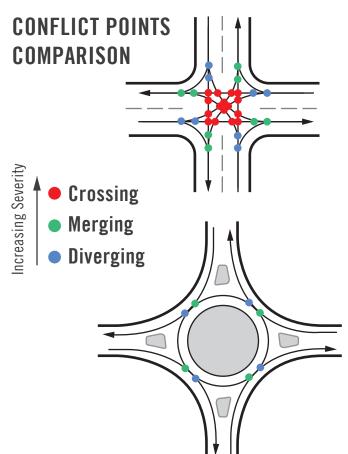




ROUNDABOUT







WHY IS IT IMPORTANT?

Intersections are consistently the most dangerous locations on a roadway, accounting for 23% of all fatal crashes. A traditional 4-leg intersection has 32 conflict points where a crossing, turning, or merging maneuver may result in a collision. Traditional intersections do little to reduce speeds, increasing the likelihood of severe crashes.

WHAT DOES IT DO?

Roundabouts reduce the number of conflict points at a typical intersection from 32 to just 8. The 8 remaining are merge or diverge type conflicts that very rarely result in severe crashes. In addition, roundabouts require users to slow down, reducing the severity of crashes that may occur.

HOW EFFECTIVE IS IT?

Roundabouts reduce fatal and serious injury crashes at intersections by up to 88%. They can be designed for urban and rural areas with approach speeds ranging from 25-65 mph. Other benefits include low maintenance cost, efficient traffic flow, and traffic calming.



ROUNDABOUT









PROJECT: ENOCH SR-130 & MIDVALLEY ROAD

2021

Severe Crashes - Before: 3 | Forecast After: 1 Total Crashes - Before: 7 | Forecast After: 3 Benefit/Cost: 13.0

PROJECT: BRYCE CANYON SR-63 & SR-12

2021

Severe Crashes - Before: 0 | Forecast After: 0 Total Crashes - Before: 6 | Forecast After: 3 Benefit/Cost: 1.73

PROJECT: HOOPER SR-97 & 5500 WEST

2024

Severe Crashes - Before: 1 | Forecast After: 0 Total Crashes - Before: 8 | Forecast After: 4 Benefit/Cost: 10.3

PROJECT: LA VERKIN SR-9 & SR-17

2024

Severe Crashes - Before: 1 | Forecast After: 0 Total Crashes - Before: 15 | Forecast After: 7 Benefit/Cost: 6.8

Protected Under 23 USC 409

South Weber 2700 East Concept Costs		
Project	Туре	Estimated Cost
South Weber Drive / 2700 East	Intersection	\$1,000,000
2700 East Widening	Roadway	\$620,000
7800 South / 2700 East Roundabout	Intersection	\$900,000
Total Cost:		\$2,520,000
Alternative Options		
EB Right-turn Pocket on South Weber Drive	Intersection	\$300,000
7800 South / 2700 East Signal	Intersection	\$400,000
WCG, 2022		