

SAFETY APPLICATION SUMMARY (202508D03-06)

MED-303-5.88 (Substation Rd) Roundabout

Medina County
August 2025



Project Funding

Project Phase	PE - Environmental	PE - Detailed Design	PE - Right of Way / Utilities	Construction	Total
Fiscal Year	2027	2028	2029	2031	
Previous Safety					\$0
New Safety	\$650,000	\$100,000	\$475,000	\$1,100,000	\$2,325,000
TSMO			\$525,000	\$1,000,000	\$1,525,000
Total	\$650,000	\$100,000	\$1,000,000	\$2,100,000	\$3,850,000

Crash Statistics (2020-2024)

2025 HSIP Suburban Intersection #418

48 Total Crashes 2020-2024
 14 (29%) Injury, 2 Serious Injury
 29 (60%) Rear-End Crashes
 16 (33%) Left Turn & Angle Crashes

Application Scoring

Category	Value	Points
Observed KA/Total	0.08	16
% Improvement Potential	9.7%	6
Relative Severity Index	\$34,375	12
Equivalent PDO Index	2.89	8
Location Equity Measure	3%	0
Application Score:		42

Description

Existing:
Signalized

Proposed:
Single-Lane Roundabout

Substation AADT: 6,500, 45 MPH (north leg)/
 5,000, 45 MPH (south leg)
 SR-303 AADT:13,500, 45 mph

