

Executive Summary

The City of Spokane Valley (the City) is committed to reducing fatal and serious injury crashes within its transportation network. [Target Zero: Washington State Strategic Highway Safety Plan](#) provides a data-driven approach to achieving this goal using the Federal Highway Administration’s (FHWA) [Systemic Safety Project Selection Tool](#). This Assessment follows this approach in order to identify projects that will reduce fatal and serious injury crashes, using WSDOT-provided crash data covering a five-year time span. This analysis follows five steps, yielding the following results for each step:

1. Classify fatal and serious crashes by crash type and assign priority levels to each type.

Priority	Definition	Crash Types
Priority 1	30% or more of fatal/serious injury crashes	Hit Pedestrian or Bicyclist
Priority 2	10% to 30% of fatal/serious injury crashes	Angle Excessive Speed Hit Fixed Object

2. Identify roadway characteristics associated with high priority crashes.

Priority	Crash Type	Roadway Characteristics
Priority 1	Hit Pedestrian or Bicyclist	<ul style="list-style-type: none"> • Intersection-related location • 35 mile-per-hour posted speed limit • More than 10,000 average daily traffic (ADT) • Principal Arterial functional classification
Priority 2	Angle Collisions	<ul style="list-style-type: none"> • Intersection-related location • 35 mile-per-hour posted speed limit • More than 10,000 average daily traffic (ADT) • Principal Arterial functional classification
Priority 2	Excessive Speed Collisions	<ul style="list-style-type: none"> • Intersection-related location • 35 mile-per-hour posted speed limit • Less than 10,000 ADT • Minor Arterial functional classification
Priority 2	Hit Fixed Object Collisions	<ul style="list-style-type: none"> • 35 mile-per-hour posted speed limit • Less than 10,000 ADT • Minor Arterial functional classification • Dark conditions

3. Identify locations within the City transportation network that have these characteristics.
The top ten locations are as follows:

#	Street	Intersecting Street	#	Street	Intersecting Street
1	Sprague Ave.	Sullivan Rd.	6	Sprague Ave.	Appleway Blvd.
2	Sprague Ave.	Pines Rd.	7	Sullivan	Trent Rd.
3	Sprague Ave.	Argonne/Mullan Rd.	8	Pines	Trent Rd.
4	Sprague Ave.	Evergreen Rd.	9	Pines	SR27
5	Appleway Blvd.	Barker Rd.	10	Argonne	Dishman Mica Rd.