

WALGA RoadWise

# LG STARS

Safety Ratings Tool for Local Government Roads

## ABOUT THE TOOL

With Commonwealth funding from the Office of Road Safety, WALGA has designed a Safety Ratings Tool for Local Governments that provides an easy-to-use, reliable and cost-effective method for assessing the safety of Local Government managed roads.

The tool will provide Local Governments with an assessment and understanding of the safety standard of local roads. This will assist and support the inclusion of road safety considerations in long-term works programs and investment decisions.

## BENEFITS OF THE TOOL

### EASE OF USE

No training or specialist skill set is required to use the tool and the output is easy to understand from Council to community.

### COST EFFECTIVE

The tool will be provided to WA Local Governments free of charge. Using the tool will require some investment of staff time.

### NETWORK SNAPSHOT

When conducted across all Local Government roads, the tool provides a valuable overview of the safety of the entire local road network.

### SOLUTIONS

Based on inputs about the attributes of each road segment, the tool will identify possible road engineering treatments to improve safety.

### JUSTIFY DECISIONS

By using a process to evaluate safety, Local Government staff and Elected Members can better respond to requests or queries for and about investments.

### PRIORITISATION

The tool will provide road safety data from across the Local Government's network that will help prioritise works and investment.





## HOW TO USE THE TOOL

Available in both electronic and paper form, the following steps highlight how to use the tool:

1. Identify the road type being reviewed.
2. Assess road characteristics against the cross-sections and attributes table.
3. Mark the appropriate column for each attribute.
4. Evaluate all road attributes listed in the table applicable to that road type.
5. Total the number of marks for each star rating.
6. Assign a star rating based on the column with the highest number of marks.
7. Save checklist for each road and start the process again for the next road or segment of road.
8. Consider improvements based on improving the star rating from a network perspective.

**J) Urban Local Collector Road**  
Single Carriageway, two-lane, two-way, 60/50/40 km/h, AADT: 500-8,000

| Attribute                     | 1 Star                                     | 2 Star                                     | 3 Star                                     | 4 Star                                  |
|-------------------------------|--|--|--|---|
| 1. Speed Limit                | 80km/h                                     | 80km/h                                     | 50km/h                                     | 30 km/h                                 |
| 2. Curvature                  | Moderate                                   | Moderate                                   | Moderate                                   | Moderate                                |
| 3. Side Resistance            | Isolated - adequate                        | Isolated - adequate                        | Isolated - adequate                        | Isolated - adequate                     |
| 4. Lane Width                 | Narrow                                     | Narrow                                     | Medium                                     | Wide                                    |
| 5. Roadside Hazards           | 0.5m from roadside                         | 1.5m from roadside                         | 1.5m from roadside                         | 1.5m from roadside                      |
| 6. Road Condition             | Poor                                       | Medium                                     | Good                                       | Good                                    |
| 7. Delineation                | Adequate                                   | Adequate                                   | Adequate                                   | Adequate                                |
| 8. Number of Lanes            | 2 (per carriageway)                        | 2  | 2  | 2                                       |
| 9. Carriageway                | Divided carriageway road                   | Undivided road                             | Undivided road                             | Undivided road                          |
| 10. Paved Shoulder            | None                                       | Narrow                                     | Medium                                     | Wide                                    |
| 11. Roadside Object           | Tree/Pole                                  | Tree/Pole                                  | Tree/Pole                                  | Tree/Pole                               |
| 12. Shoulder Run-off Slope    | Not present                                | Not present                                | Not present                                | Not present                             |
| 13. Cross-slope Run-off Slope | Not present                                | Not present                                | Not present                                | Not present                             |
| 14. Median Type               | None                                       | Centre line                                | Centre line                                | → 5m to → 5m                            |
| 15. Property Access           | Residential ±                              | Residential ±                              | Residential ±                              | Residential ±                           |
| 16. Intersection              | 3 leg unsignalised, no protected turn lane | 3 leg unsignalised, no protected turn lane | 3 leg unsignalised, no protected turn lane | 3 leg unsignalised, protected turn lane |
| 17. Lane Width                | <1,000 vehicles                            | <1,000 vehicles                            | <1,000 vehicles                            | >1,000 vehicles                         |
| 18. Road Facilities           | Not Present                                | On-road lane                               | Off-road path                              | Off-road path w/barrier                 |
| 19. Pedestrian Facility       | Informal path 0m to 5m                     | Informal path 0m to 5m                     | Informal path 0m to 5m                     | Physical barrier                        |
| 20. Street Lighting           | Not Present                                | Not Present                                | Present                                    | Present                                 |

## FIND OUT MORE

For more information on this new Safety Ratings Tool and how your Local Government can utilise it to improve the safety of your road network, contact your Regional Road Safety Advisor. Details can be found at [www.roadwise.asn.au](http://www.roadwise.asn.au) or send an email to [roadwise@walga.asn.au](mailto:roadwise@walga.asn.au).

This project was a collaboration between Western Australian Local Government Association (WALGA) RoadWise and University of Western Australia – Western Australian Centre for Road Safety Research (WACRSR), and was funded through the Commonwealth Road Safety Innovation Fund Grant administered by the Office of Road Safety.