



Farm Gate Access Risk Assessment Checklist

| | | | |
|-------------------|-----------------|--------------------|--|
| Road name(s) | | Council | |
| Total length (km) | | Date last assessed | |
| Assessor | Contact details | Date | |
| Notes | | | |

| | | |
|--|--------------------------|--------------------------|
| Does the route meet the criteria outlined in the Farm Gate Access Procedure? If you answer 'no' to any of these questions, please refer to the process outlined in the Farm Gate Access Procedure or contact your local council for advice before proceeding | Yes | No |
| (a) The type of road(s) provide access to farms or properties used for primary production activities | <input type="checkbox"/> | <input type="checkbox"/> |
| (b) The road(s) have limited connectivity to the broader road network | <input type="checkbox"/> | <input type="checkbox"/> |
| (c) The road(s) carry no more than 200 vehicles per day, where 25 or less of these vehicle movements are heavy vehicles. | <input type="checkbox"/> | <input type="checkbox"/> |
| (d) The heavy vehicle access will provide no more than 26 movements per year per property (Note, one movement is defined as one return trip to or from the property) | <input type="checkbox"/> | <input type="checkbox"/> |

| Criteria | Selection | ✓ | Risk L M H | Action to reduce the risk severity for moderate and high risk items | ✓ |
|---|-----------|--------------------------|---------------|--|---|
| 1.0 Suitability | | | | | |
| 1.1 What type of access is required? (select one or multiple) | 4.6m | <input type="checkbox"/> | | | |
| | B-Double | <input type="checkbox"/> | | | |
| | HML | <input type="checkbox"/> | | | |
| | LLS | <input type="checkbox"/> | | | |
| | GHMS | <input type="checkbox"/> | | | |
| 1.2 Are you aware of similar vehicles travelling along the route? (e.g. under permit or already have access approved as a result of this checklist) (Refer 1 below) | Yes | <input type="checkbox"/> | | | |
| | No | <input type="checkbox"/> | | | |
| 1.3 Are there any signposted restrictions for heavy vehicles including mass, length or time of day travel on any roads or bridges on the route? | Yes | <input type="checkbox"/> | High | Local council road manager to investigate and advise prior to access granted - network restrictions already in place | |
| | No | <input type="checkbox"/> | Low | | |

| Criteria | Selection | ✓ | Risk L M H | Action to reduce the risk severity for moderate and high risk items | ✓ |
|---|------------------------|--------------------------|---------------|---|--------------------------|
| 2.0 Road environment | | | | | |
| 2.1 What is the posted speed limit? | 40km/h | <input type="checkbox"/> | Low | | |
| | 50km/h | <input type="checkbox"/> | | | |
| | 60km/h | <input type="checkbox"/> | | | |
| | 70km/h | <input type="checkbox"/> | Moderate | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | 80km/h | <input type="checkbox"/> | | No travel at school bus times, peak periods, inclement weather, low visibility, etc | <input type="checkbox"/> |
| | 90km/h | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | 100km/h | <input type="checkbox"/> | | No travel at school bus times, peak periods, inclement weather, low visibility, etc | <input type="checkbox"/> |
| | Greater than 100km/h | <input type="checkbox"/> | | | |
| | No Visible Speed Limit | <input type="checkbox"/> | | | |
| 2.2 Describe the land use along the route | Rural | <input type="checkbox"/> | Low | | |
| | Rural/ Residential | <input type="checkbox"/> | Moderate | No travel at school bus times, peak periods, inclement weather, low visibility, etc | <input type="checkbox"/> |
| | Residential | <input type="checkbox"/> | High | No travel at school bus times, peak periods, inclement weather, low visibility, etc | <input type="checkbox"/> |
| | Commercial | <input type="checkbox"/> | High | | |
| | Industrial | <input type="checkbox"/> | High | No travel at school bus times, peak periods, inclement weather, low visibility, etc | <input type="checkbox"/> |
| | Mixed | <input type="checkbox"/> | High | | |
| 2.3 Are there any objects that can be damaged or cause damage in accordance with "clear zone" requirements? (e.g. fence posts or mature vegetation) (Refer 2 below) | No | <input type="checkbox"/> | Low | | |
| | Yes | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| 2.4 Could the vehicle hit any roadside structures while travelling along the route? (e.g. pedestrian islands/refuges, signs, fencing or drains) | No | <input type="checkbox"/> | Low | | |
| | Yes | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| 3.0 Road and traffic characteristics | | | | | |
| 3.1 Describe the road surface | Sealed | <input type="checkbox"/> | Low | | |
| | Sealed and Unsealed | <input type="checkbox"/> | Moderate | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | | | | Limit travel during or following adverse weather events | <input type="checkbox"/> |
| | Unsealed | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| Limit travel during or following adverse weather events | | | | <input type="checkbox"/> | |
| 3.2 Is the road width suitable for your vehicle? (Refer 3 below) | | | | | |

| Criteria | | Selection | ✓ | Risk L M H | Action to reduce the risk severity for moderate and high risk items | ✓ |
|---|--|--|--|---|---|--------------------------|
| | Approximately how many vehicles travel on this road per day? | How wide is the road, including the shoulder? | | | | |
| Sealed | i. Less than 150 vehicles per day | Less than 6.8m | <input type="checkbox"/> | Low | | |
| | | Greater Than 6.8m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | <input type="checkbox"/> | | No travel at school bus times, peak periods, inclement weather, low visibility, etc. | | <input type="checkbox"/> | |
| | ii. Greater than 150 vehicles per day | Less Than 7.6m | <input type="checkbox"/> | Low | | |
| Greater than 7.6m | | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> | |
| | <input type="checkbox"/> | No travel at school bus times, peak periods, inclement weather, low visibility, etc. | | <input type="checkbox"/> | | |
| Unsealed | i. Less than 150 vehicles per day | Less than 7.2m | <input type="checkbox"/> | Low | | |
| | | Greater than 7.2m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | <input type="checkbox"/> | | No travel at school bus times, peak periods, inclement weather, low visibility, etc. | | <input type="checkbox"/> | |
| | ii. Greater than 150 vehicles per day | Less than 7.7m | <input type="checkbox"/> | Low | | |
| Greater than 7.7m | | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> | |
| | <input type="checkbox"/> | No travel at school bus times, peak periods, inclement weather, low visibility, etc. | | <input type="checkbox"/> | | |
| 3.3 Is the route flat, rolling or mountainous? (Refer 4 below) | | Flat | <input type="checkbox"/> | Low | | |
| | | Rolling | <input type="checkbox"/> | Moderate | Pilot Vehicle to be used | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | | Rotating Beacons required | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | | Headlights on | <input type="checkbox"/> |
| | | Mountainous | <input type="checkbox"/> | High | Pilot Vehicle to be used | <input type="checkbox"/> |
| <input type="checkbox"/> | Rotating Beacons required | | <input type="checkbox"/> | | | |
| <input type="checkbox"/> | Headlights on | <input type="checkbox"/> | | | | |
| 3.4 Does the road contain any tight intersections or narrow bends where an oncoming vehicle needs to stop or move off the road to pass? (Refer 5 below) | | No | <input type="checkbox"/> | Low | | |
| | | Yes | <input type="checkbox"/> | High | Pilot Vehicle will be used | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | | Rotating Beacons required | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | | Headlights on | <input type="checkbox"/> |
| Unsure | <input type="checkbox"/> | Moderate | Pilot Vehicle to be used | <input type="checkbox"/> | | |

| Criteria | Selection | ✓ | Risk L M H | Action to reduce the risk severity for moderate and high risk items | ✓ |
|--|-----------------|--------------------------|--------------------------|--|---|
| | | <input type="checkbox"/> | | Rotating Beacons required | <input type="checkbox"/> |
| | | <input type="checkbox"/> | | Headlights on | <input type="checkbox"/> |
| 3.5 Stopping Sight Distance: At your nominated speed, how far down the road can you see? | Spd | | | | |
| | 40 km/h | Distance | | | |
| | | Greater than 50m | <input type="checkbox"/> | Low | |
| | | Less than 50m | <input type="checkbox"/> | High | |
| | 50 km/h | Greater than 70m | <input type="checkbox"/> | Low | |
| | | Less than 70m | <input type="checkbox"/> | High | |
| | 60 km/h | Greater than 95m | <input type="checkbox"/> | Low | |
| | | Less than 95m | <input type="checkbox"/> | High | |
| | 70 km/h | Greater than 120m | <input type="checkbox"/> | Low | |
| | | Less than 120m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit |
| | 80 km/h | Greater than 150m | <input type="checkbox"/> | Low | |
| | | Less than 150m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit |
| | 90 km/h | Greater than 185m | <input type="checkbox"/> | Low | |
| | | Less than 185m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit |
| | 100 km/h | Greater than 215m | <input type="checkbox"/> | Low | |
| | | Less than 215m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit |
| 3.6 Do cyclists or pedestrians use the route? | No | <input type="checkbox"/> | Low | | |
| | Yes | <input type="checkbox"/> | Moderate | Mandatory condition - No travel at school bus times, peak periods, inclement weather, low visibility, etc. | |
| 3.7 Is this a school bus route? | No | <input type="checkbox"/> | Low | | |
| | Yes | <input type="checkbox"/> | Moderate | Mandatory condition - No travel at school bus times, peak periods, inclement weather, low visibility, etc. | |

| Criteria | Selection | ✓ | Risk L M H | Action to reduce the risk severity for moderate and high risk items | ✓ | |
|---|-------------|--------------------------|--------------------------|---|---|--------------------------|
| 4.0 Intersections or railway level crossings | | | | | | |
| 4.1 Does the route connect to a main road? | No | <input type="checkbox"/> | Low | | | |
| | Yes | <input type="checkbox"/> | High | Route connects to main road - consent required from road manager | | |
| 4.2 Safe Intersection Sight Distance: If you, as a driver, were waiting to turn onto the road from an intersection, how far down the road can you see a car approaching so you can proceed safely and without forcing the approaching vehicle to stop, assuming the vehicle is travelling at the posted speed limit? (Refer 6 below) | | | Distance | | | |
| | 40 km/h | Greater than 85m | <input type="checkbox"/> | Low | | |
| | | Less than 85m | <input type="checkbox"/> | High | | |
| | 50 km/h | Greater than 115m | <input type="checkbox"/> | Low | | |
| | | Less than 115m | <input type="checkbox"/> | High | | |
| | 60 km/h | Greater than 150m | <input type="checkbox"/> | Low | | |
| | | Less than 150m | <input type="checkbox"/> | High | | |
| | 70 km/h | Greater than 190m | <input type="checkbox"/> | Low | | |
| | | Less than 190m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | 80 km/h | Greater than 230m | <input type="checkbox"/> | Low | | |
| | | Less than 230m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | 90 km/h | Greater than 275m | <input type="checkbox"/> | Low | | |
| | | Less than 275m | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> |
| | 100 km/h | Greater than 320m | <input type="checkbox"/> | Low | | |
| Less than 320m | | <input type="checkbox"/> | High | Travel at or below a 60km/h speed limit | <input type="checkbox"/> | |
| 4.3 Is there a railway level crossing on the route? (Refer 7 below) | No | <input type="checkbox"/> | | | | |
| | Yes-lights | <input type="checkbox"/> | Low | | | |
| | Yes-signs | <input type="checkbox"/> | Low | | | |
| | Yes-concern | <input type="checkbox"/> | High | | | |

| Criteria | Selection | ✓ | Risk L M H | Action to reduce the risk severity for moderate and high risk items | ✓ |
|--|-----------|--------------------------|---------------|---|---|
| 4.4 Is there a minimum length of 29.5m to prevent the blocking of an adjacent intersection or railway level crossing? (Refer 8 below) | Yes | <input type="checkbox"/> | Low | | |
| | No | <input type="checkbox"/> | High | Local council road manager to investigate and advise prior to access granted - Short Stacking | |
| 5.0 Structures | | | | | |
| 5.1 Are there any culverts or causeways on the route? | No | <input type="checkbox"/> | | | |
| | Yes | <input type="checkbox"/> | High | Local council road manager to investigate and advise prior to access granted - culvert or causeway on route | |
| 5.2 Are there any bridges on the route? | No | <input type="checkbox"/> | | | |
| | Yes | <input type="checkbox"/> | High | Local council road manager to investigate and advise prior to access granted - bridge on route | |
| 5.3 If yes, are any of these timber structures? | No | <input type="checkbox"/> | | | |
| | Yes | <input type="checkbox"/> | High | Local council road manager to investigate and advise prior to access granted - timber bridge on route | |
| 6.0 Height | | | | | |
| 6.1 Is there an object less than 4.6m in height over the road that can be struck on the route? (eg. Vegetation, signage, utilities)? | No | <input type="checkbox"/> | | | |
| | Yes | <input type="checkbox"/> | High | Local council road manager to investigate and advise prior to access granted - possible height restrictions | |
| 7.0 Adjacent communities and amenity | | | | | |
| 7.1 Are there any schools, churches or hospitals on the route? | No | <input type="checkbox"/> | | | |
| | Yes | <input type="checkbox"/> | Moderate | No travel in peak periods, school bus times, inclement weather, low visibility, etc. | |
| Other Applicable Measures (Optional) | | | | | |
| Insert supplementary information related to the route such as safety suggestions as headlights on while on route, Farm Gate to be open for Entry/Exit, Radio or phone communication with driver, contact made with surrounding neighbours of vehicles movements. | | | | | |
| Summary of access conditions | | | | | |
| List e.g., vehicles must travel at "x" km/h, escort required for travel, farm gate must be open for vehicles arrival, Driver training, headlights on | | | | | |

- All information contained in this checklist are a true and accurate recording of the route conditions on the date this assessment was carried out
- The data collection methods described in the Practitioners Guide have been followed
- I understand that completing this assessment does not authorise access to the route. The completed assessment should be attached to a Permit Application and submitted to the NHVR.

Farm Gate Access Risk Assessment: Quick Reference Guide.

1. A **similar vehicle** to the one you are assessing that already uses or had used this route under permit.
2. A **clear zone** is a 'buffer' measured from the edge of the travelled way, outwards away from the road and is free from these non-frangible objects. Each clear zone (in metres) is determined based on the speed limit, volume of traffic using the road on an average day (average daily traffic or data collected over a year and divided by 365 to calculate an average) and the shape of the verge (cut or fill).

Suggested clear zone widths

| Speed limit (km/h) | Average Daily Traffic (ADT) | Clear zone width (m) | |
|--------------------------|-----------------------------|----------------------|-----|
| | | Fill | Cut |
| Less than or equal to 60 | Less than 750 | 3.0 | 3.0 |
| 70-80 | Less than 750 | 4.5 | 3.0 |
| 90 | Less than 750 | 5.5 | 3.5 |
| 100 | Less than 750 | 7.5 | 4.5 |
| 110 | Less than 750 | 8.0 | 5.0 |

3. The **road width** should be representative of the section being assessed. Where lane width varies, use the narrowest point of the road section and make a note of this in the 'other local conditions' comment box on the checklist.

Minimum carriageway widths

| Average Daily Traffic | Roadside Development | Road Width | |
|-----------------------|----------------------|------------|----------|
| | | Sealed | Unsealed |
| 1-150 | Rural | 6.8m | 7.2m |
| 150-500 | Rural | 7.6m | 7.7m |

4. A **'grade'**, vertical alignment or longitudinal profile along the centreline of the road refers to the steepness a crest or dip and is generally expressed as a percentage of the vertical component divided by the horizontal component.

General maximum grades (%)

| Operating speed (km/h) | Terrain (%) | | |
|------------------------|-------------|---------|-------------|
| | Flat | Rolling | Mountainous |
| 60 | 6-8 | 7-9 | 9-10 |
| 80 | 4-6 | 5-7 | 7-9 |
| 100 | 3-5 | 4-6 | 6-8 |

5. For the purposes of this Risk Assessment, the Assessor is required to visually assess the road and indicate whether there may be concerns of **vehicles negotiating the route** and whether they are likely to track to the opposite side of the road using the width of the carriageway. Refer to 3.4 Table 4 Swept Path comparisons and graphical representations of vehicle combinations movement paths.

6. **Stopping Sight Distance (SSD)** is the distance to enable a normally alert driver, travelling at a speed to perceive, react and brake to a stop before reaching a hazard on the road ahead. **Safe Intersection Sight Distance (SISD)** is the minimum sight distance which should be provided on a major road at any intersection. SISD provides sufficient distance for a driver of a vehicle on the major road to observe a vehicle on a minor road approach moving into a collision situation and to decelerate to a stop before reaching a collision point. *Figures shown for sight distance assume the road is flat.*

7. **Railway level crossings** have passive or active controls to guide road users. Passive sites have signs that are unchanging with no mechanical or light devices. In addition to signs, active sites are controlled by automatic warning systems such as flashing lights, automatic gates (booms, boom gates), audible devices (bells, gongs) or other devices that are activated by approaching trains.

8. In some areas the distance between intersections (including railway level crossings) are shorter than the length of some vehicles. This is referred to as **'storage'** or **'stacking distance'**. When a vehicle overhangs the adjacent intersection or railway level crossing we call this 'short stacking'. The distance between intersections or an intersection and railway level crossing must be at least 3.5 metres plus the vehicle length.