

Speed Zone Reduction M 017 SLK 28.60 to 30.07 Shire of Kulin

1. General Background.

The Network Operations Manager (NOM) has requested Network Operations Officer (NOO) to complete review of a speed zone with the intent to reduce the speed zone from SLK 28.60 to 30.07 on the M017 Gorge Rock lake Grace Road.

The Shire of Kulin has requested the change due to expanding housing estate entering on the southern end of the road.

The request is to reduce the speed limit from 110Kp/h to 80Kp/h within the SLK range.



2. Road Information.

The section of road under review is SLK 28.60 to 30.07 on the M017 Gorge Rock lake Grace Road M017.

Is rural in nature and has a road hierarchy classification as a State Road . The road is on the RAV network and has a designation of RAV Network N7 with conditions.

- The operator must notify the road manager via email of their planned transport task, including estimated tonnages and loaded vehicle movements. The operator must copy Main Roads Heavy Vehicle Services (hvsrouteassessments@mainroads.wa.gov.au) into the email.
- No operation on unsealed road segment when visibly wet, without road owner's approval.

Gorge Rock lake Grace Road is a Sate Road under the care and control of Mian Roads. extends in a north-south direction and has a bitumen seal with double barrier for the most part and edge lining. It T intersects with the M038 where it terminates.



T intersection with the M038



Gorge Rock lake Grace Road SLK 28.60 looking south

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3. Site inspection.

Geometry.

There are two intersections on the section of road under review. Kulin West Rd (4120011) which T intersects at SLK 29.07 this is a local road, and Hodgson St (4120166) SLK 29.85, this is the intersection that the new housing estate enters onto Gorge Rock Lake Grace Road M017. There is ample sight distance for both intersections with little vegetation.



Hodgson St Intersection.



Kulin West Rd Intersection.

The housing estate has the capacity for 17 properties with 7, already occupied.

There is a curve with a radius of 756M that dominates this section of road. Kulin West Rd intersects on this curve with no concerns of line of sight. There is also a tight 90° curve with a radius of 88M that aligns Gorge Rock Lake Grace Road M017 to the M038. This reduces the line of sight for the road users traveling south and intersecting with the M038.



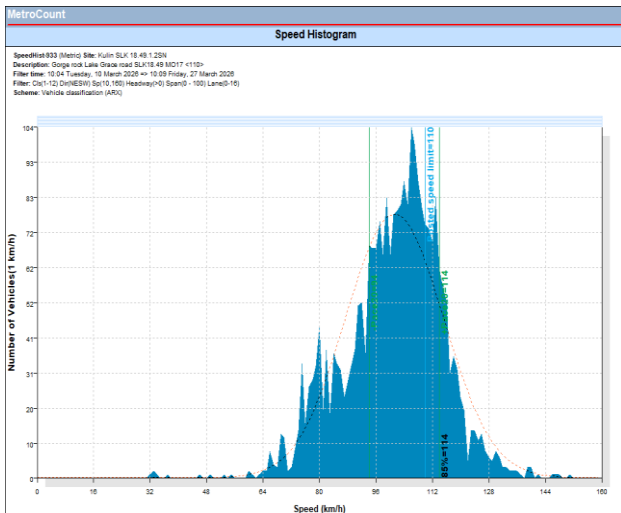
Signage.

All signs are in place for the section of road under review on the intersections.

There is a duplicated 110 at SLK 29.95 for traffic traveling north but on designation for the south bound traffic. There is a 110 repeater at 27.94 for traffic traveling north.



4. Traffic Data



Gorge Rock lake Grace Road SLK 18.49 Weekly Vehicle Counts

WeeklyVehicle-932 - English (ENA)

Datasets:
Site: [Kulin SLK 18.49] Gorge rock Lake Grace Road SLK18.49 MO17 <110>
Attribute: -32.59129 118.06830
Direction: 5 - South bound A>B, North bound B>A, Lane: 1
Survey Duration: 10:03 Tuesday, 10 March 2026 => 10:09 Friday, 27 March 2026
Zone:
File: Kulin SLK 18.49 0 2026-03-27 1009.EC1 (Plus)
Identifier: QC70RBZP MCS900-X13 (c)MetroCount 09Nov16
Algorithm: Factory default axle (v5.08)
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:
Filter time: 10:04 Tuesday, 10 March 2026 => 10:09 Friday, 27 March 2026 (17.0036)
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 10 - 160 km/h
Direction: North, East, South, West (bound), P = North, Lane = 0-16
Separation: Headway > 0 sec, Span 0 - 100 metre
Name: Default Profile
Scheme: Vehicle classification (ARX)
Units: Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile: Vehicles = 2714 / 2716 (99.93%)

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5. Crash Data

Message

The report has no data.

Summary Crash History
Road:
Gorge Rock Lake Grace Rd, From: 30.10; To: 28.40; All
From Date: 2021/01/01
To Date: 2025/12/31
Crash Type: All
Severity: All
Summarise By Intx: No

6. Recommendations

Reduce the current speed zone 110Kp/h to 80Kp/h with in the SKL range that is highlighted within this report, to accommodate the residents of the new housing estate entering on the M017. Also to give better control when approaching the intersection with the M017 and M038 from the north.

Road	Road Number	Start SLK	End SLK	Existing Speed	Proposed Speed	Length (km)
Gorge Rock lake Grace Road	M017	28.60	30.07	110Kp/h	80 km/h	1.47



Current speed zoning



Proposed new speed zoning