

Executive Summary

A proposal has been lodged with Penrith City Council to update the existing Rural Fire Station ('Station') at 1194 Mulgoa Road, Mulgoa. The update is intended to provide a contemporary rural fire fighting facility that meets current operational needs and standards.

The upgraded Station will have an increased capacity to accommodate up to 3 fire-fighting vehicles and associated in-house facilities. To minimise emergency response time, it is also proposed to incorporate a 'drive-through' arrangement for the fire-fighting vehicles. The proposed Station access (entry and exit) for all vehicles will be provided at The Straight Road (north-south section), while emergency vehicles will have a direct exit to Mulgoa Road. It will be necessary to impose a permanent closure on the east-west section of The Straight Road (see above) in order to safely accommodate this arrangement.



The proposed closure will require all access movements to/from Mulgoa Road via the roadway to be diverted to Allan Road (further south). The traffic impact of this diversion has been assessed and comparisons made between the existing and post-closure operating circumstances during both morning and afternoon peak periods. This assessment has established that the level of service (LOS) of the Mulgoa Road/Allan Road intersection (which currently operates with LOS A) will be maintained after the addition of diverted traffic movements. This is as a result of the minimal additional traffic movements due to the proposed closure.

The civil/road works associated with the proposed closure are anticipated to occur over approximately 30 weeks. During this period, there will be an estimate of 10 construction vehicle movements per day travelling in/out of the local road network between standard construction hours (i.e. 7.00am and 5.00pm Monday to Friday). The average of one construction traffic vehicle movement per hour is not anticipated to have an adverse impact on the local intersection.