

7.0 CONCLUSIONS

The following is a summary of our findings and recommendations:

- The school site will accommodate 900 students at build-out, an increase of 300 students over existing school enrollment and an estimated 50 additional staff. This is projected to generate an additional 144 equivalent passenger vehicles entering and exiting the school site, with 62 trips in the a.m. peak hour and 82 additional trips in the p.m. peak hour.
- The intersections of Highway 28 and Range Road 112 recommended to be upgraded to a Type IVb intersection to meet opening day traffic demand for the 2017 opening day condition and 2037, 20 year horizon.
- The intersections of Highway 28 and Highway 36 is anticipated to operate well under capacity for post-development traffic conditions, with the exception of the northbound to westbound left turn movement, which received a LOS F under background projections. As school site traffic does not use this directional movement, no improvements will be necessary to accommodate the anticipated opening day traffic volumes.
- The intersection of Highway 28 and Range Road 112 is warranted to receive illumination and is recommended to extend to the intersection of Highway 28 and Highway 36.
- A school zone with regulatory 30 km/h speed limit, extended to span the full duration of school hours is recommended for Range Road 112 (Main Street, Ashmont) in the vicinity of the replacement school.
- It is recommended to provide painted crossing facilities across Main Street to the treed park area, residential area and to the Ashmont commercial area.
- It is recommended that the number of students being transported by bus on opening day be confirmed to reflect bus parking requirements. The existing 15 bus parking stalls may need to be expanded to accommodate additional buses.
- It is recommended to design the bus angle parking area to prevent busses backing up with poor sight lines and that provisions to allow for the busses to turn back south at the north end of the parking area.
- It is recommended to cut back the east and west sideslopes at the north side of the Highway 28/Range Road 112 intersection to improve sight distance.
- It is recommended to closely monitor collision history and safety performance at the Ashmont intersection should the Type IVb improvement warrants or illumination not be completed at opening day of the replacement school.