

20 October 2016 OUR REF: 603049-01000

The Salvation Army 2 Overlea Blvd. Toronto, ON M4H 1P4

Attention: Beth Henderson

Dear Beth:

Re: Salvation Army Barrhaven Church – 102 Bill Leathem Drive TB Addendum #1

This Addendum has been prepared to address the comments received from the City of Ottawa with corresponding responses from Parsons. The most recent Site Plan is attached.

CITY COMMENTS

TRANSPORTATION COMMENTS

Comment A: Accesses should be design to City Standard SC7.1.

Response A: Noted and the proponent has been advised.

Comment B: The Transportation Brief should show total volumes at build out. It would be beneficial to align the east proposed accesses with the north side future road. This could potentially avoid any future conflict when this area is more mature.

Response B: A land use such as the Salvation Army Church does not have a significant impact on the transportation network during the morning and afternoon peak periods. As such, a suitable analysis was undertaken to demonstrate not only the total volumes at build-out (page 8 of the TB, Phases 1 and 2) but also the timeframe where there will be the most impact, that being Sunday morning. The TB analysis and presentation of the results correspond with the Transportation Impact Assessment Guidelines that state that a Transportation Brief requires "a qualitative assessment of potential impacts from the site development". This is provided within the original TB.

With respect to the future private road connection north of Bill Leathem Drive, the exact location, development and timing are unknown and subject to change given it is not a public road. Bill Leathem Drive is a collector road and the traffic impacts of the proposed church are minor during the peak hours (see above), as such, the site accesses have been designed to suit the needs of this private institution.

Comment C: There are two bus stops in the immediate vicinity of the site at the Leikin Drive/Bill Leathem Drive intersection. Bus stop #3752 is located along southbound Leikin Drive, south of Bill Leathem Drive. Bus stop #3753 is located along northbound Leikin Drive, south of Bill Leathem Drive. Please revise the TIS.

Response C: Noted.

Comment D: Please be advised that while Route 94 is a Transitway Route, limited peak period transit service is provided in the vicinity of the site by this route. The TIS should be amended to reflect the level of service provided by Route 94 special patterns to the RCMP along Leikin Drive and Bill Leathern Drive.

PARSONS

Response D: Noted, as mentioned in the original TB, Route #94 provides peak hour service only.

Comment E: The bus stop #3753 is to be maintained. The applicant shall construct a new concrete shelter pad at no cost to the City, as per City specifications SC-11 attached. Consideration should also be given to extending the site along Leikin Drive in order to improve connections and provide pedestrian friendly amenities in the area. The site plan shall be revised to show how these transit amenities will accommodated.

Response E: The bus stop can be maintained given the proposed Site Plan. According to the revised Site Plan, a concrete sidewalk is planned along Leikin Drive as part of Phase 2 of the development.

Comment F: Bus stop #730 located at the Bill Leathem Drive and Paragon Avenue intersection shall also be identified on future site plans. If the stop falls within the site, the applicant shall construct a new concrete shelter pad at no cost to the City, as per City specification SC-11 attached.

Response F: Noted, and the proponent has been advised.

Comment G: The southbound approach of Bill Leathem Dr./Leikin intersection consists of a 'single full movement lane; which is controlled by a Stop sign. The southbound right and southbound left projected volume for Phases 1 and 2 together is approximately 120 vph during the Sunday peak hour. Also, for the same time period, the two-way traffic volume at ultimate build-out (Phases 1 & 2) is estimated to be in the range of 340 vph. In order to assess if the single southbound approach has sufficient capacity to accommodate the projected volume, more information is required on existing traffic volume at this intersection during the Sunday Peak hour. This is also required to determine if the existing right-of way protection along Bill Leathem Dr would suffice to accommodate projected traffic volumes at this intersection.

Response G: Figures 8 and 9 from the TB should not be added together. As outlined in Section 4.1 and 4.2 of the TB, the Site Trip Generation of each proposed GFA was assessed independently (Phase 1 = 7,060 ft² total and Phase 2 = 11,055 ft² total). Phase 2 consists of a 4,000 ft² increase from the Phase 1 building. As such, the total amount of site-generated traffic approaching the Leikin/Bill Leathem intersection in the southbound direction is 67 veh/h (as shown in Figure 9 of the TB). The total two-way traffic for Phases 1 and 2 is approximately 190 veh/h (Table 4).

Comment H: Synchro analysis seems appropriate to determine if the projected volume would not cause capacity constraint at this intersection especially for southbound approach.

Response H: As mentioned in Response G, the total projected traffic approaching the Leikin/Bill Leathem intersection along the southbound leg is 67 veh/h. This is significantly less than the existing 175 veh/h during the afternoon peak hour along this leg. Given the existing intersection operates with acceptable levels of service, it is reasonable to assume this intersection will operate acceptably during the Sunday morning hours (Church peak hour), with considerably less traffic volumes.

STREET LIGHTING

Comment A: Alterations and/or repairs are required where the existing streetlight plant is directly, indirectly or adversely affected by the scope of work under this circulation, due to the proposed road reconstruction process. All streetlight plant alterations and/or repairs must be performed by the City of Ottawa's Streetlight maintenance provider.

Response A: Noted and the proponent has been advised.

Comment B: Be advised that the applicant will be 100% responsible for all costs associated with any relocations/modification to the existing streetlight plant.

Response B: Noted and the proponent has been advised.

PARSONS

Based on the foregoing, the proposed 102 Bill Leathem Drive development continues to be recommended from a transportation perspective. If there are any questions, please call.

Sincerely,

André Jane Sponder, B.A.Sc.

Analyst, Transportation

Christopher Gordon, P.Eng. Senior Project Manager

Attachment #1

Site Plan



