



DPS/Engineering
Allan E. Schneck, P.E., Director

From: Paul G. Shumejko, P.E., PTOE Transportation Engineering Manager
To: Kristen Kapelanski, AICP, Manager of Planning
Date: August 12, 2019
Re: Brewster Village, City File #18-015, Section #8
Amended PUD Review #1 – Traffic Review

P.G.S.

Engineering Services has reviewed the Amended PUD #1 plan received by the Department of Public Services on July 31, 2019. Engineering Services **does** recommend approval of the amended PUD with the following comments.

Traffic Comments

- The proposed site is calling for 30 detached condos. Based on the estimated number of vehicle trips, a dedicated northbound left turn lane into the proposed development does not meet the warrants per RCOC guidelines (CITY also references).
- The proposed site development is a “closed loop” subdivision with private roads and no future road extensions.
- Adding a dedicated northbound passing lane or left turn lane into the proposed site off Brewster Rd would be very challenging to construct due to the existing 43 foot half right-of-way along the east side of Brewster Rd, in addition to the severe vertical topographical grade changes. The existing residential driveways would be significantly impacted as well.
- Below are some alternative options that could be incorporated into the project as part of the PUD approval process to enhance safety within the project area. The approximate total cost is estimated at \$100,000.

PUD Safety Enhancement Recommendations

- Reduced School Speed Zone Flasher Signs - \$44,600
 - This installation is already in process and currently being funded 50/50 between the CITY and Rochester Community Schools (RCS). The full cost could be borne by the development.
- Rapid Flashing Beacons (RFBs) - \$30,000
 - Set of two (one in each direction along Brewster Rd) at the existing mid-block pedestrian crossing location.
- LED street lighting at the mid-block crossing - \$5,000
 - Set of 2 (one in each direction along Brewster Rd) at the existing mid-block pedestrian crossing.
- Pedestrian ADA compliant ramp upgrade work - \$10,000
 - CITY will construct with upcoming ADA pathway work and the developer would reimburse costs.
- Special cross-walk markings - \$2,500
 - CITY will install with the 2019 pavement markings & legends program and the developer would reimburse costs.
- Total estimated value of enhancements is approximately \$92,000 (+/-)

All costs are estimated at this point, except for the Tienken Rd reduced school zone flashing signs since those are known quantities based upon agreements already executed between the CITY, RCS and RCOC.

PGS/md

c: Allan E. Schneck, P.E., Director; DPS
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File

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