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## MEMORANDUM

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**TO:** City of Beaverton Facilities Review Committee

**FROM:** Steven. A. Sparks, AICP

**DATE:** July 27, 2023

**SUBJECT:** Beaverton HS Rebuild

The City of Beaverton Transportation staff shared with the Beaverton School District a number of question concerning several of the parking lots proposed for the Beaverton HS Rebuild project. The following are the questions provide identified in an email dated July 20, 2023 and the District's responses:

- *Parking Lot 1 - Submitted site plans show three SPED buses queuing along SW Stott Avenue. Please confirm the number of SPED buses expected to serve the site, whether or not they can all be accommodated in Parking Lot 1, and why spillover queuing is proposed.*

**Response:** The transportation scheduled for SPED buses at Beaverton HS is 7 buses dropping students at the school at approximately 7:30 AM in the morning. There are 11 SPED buses arriving at Beaverton HS beginning at 2:00 PM with the last bus departing at approximately 2:35 PM. Parking Lot 1 can accommodate 9 SPED buses at one time. During the morning drop-off, Parking Lot 1 will have sufficient capacity to accommodate the 7 buses serving the school. The afternoon dismissal will have 11 buses which will be 3 more than can be accommodated in Parking Lot 1. The SPED buses arrive and depart at differing times during student arrival and dismissal. The likelihood of all 11 SPED buses being present at the same time is a worst case scenario which is the reason for proposing a limited spillover queuing on Stott Street. The assumed time for potential spillover queuing is, at most, approximately 30 minutes. However, because buses are leaving the site independently, rather than as a group, spillover queuing is anticipated to be de minimus. To ensure the space is available, the District requests the ability to create a bus loading zone with appropriate signage along Stott Street. If acceptable, the restriction would be 2:00 PM to 2:30 PM, M-F.

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*The District prohibits discrimination and harassment based on any basis protected by law, including but not limited to, an individual's actual or perceived race, color, religion, sex, sexual orientation, gender identity, gender expression, national or ethnic origin, marital status, age, mental or physical disability, pregnancy, familial status, economic status, veterans' status, or because of a perceived or actual association with any other persons within these protected classes.*

As illustrated in the attached graphic, Parking Lot 1 is for staff parking. Staff arrive before students and depart after students. There will be no vehicle conflict with SPED buses since the parking lot will be fully occupied by staff vehicles. The lot will also be signed as staff parking only. The graphic further illustrates that there is sufficient space in the travel lanes to eliminate any possibility of vehicles becoming blocked in the parking lot.

- *Parking Lot 2 - Please provide the anticipated number of vehicles expected to utilize the parent pick-up/drop-off, and how does the timing of parent queuing coincide with students arriving and leaving. Please propose any warranted added signage and striping, as well as how the District will communicate with students and families about the uses. Please also provide details on how Lot 3 is expected to be utilized - presumably for student overflow.*

**Response:** Parking Lots 2 and 3 will be for student parking. Approximately 22 parking spaces will be provided at the curb of Parking Lot 2 for family drop off and pick up. These parking lots will be in heavy use both at arrival and dismissal times by student drivers and families. The attached graphic illustrates that there will be sufficient space in the travel lanes to eliminate any possibility of vehicles becoming blocked in the parking lot. Further, the street system onto which vehicles will exit the parking lot are classified as Local Streets with very low non-school traffic use. The traffic study submitted for this land use proposal indicates that existing traffic on Stott Street during non-school days is below 50 vehicles for any given hour. The highest traffic volume occurs midday from 12:00-1:00 pm with approximately 35 vehicles. Therefore, it is reasonable to conclude that the vast majority of the vehicular traffic on Stott Street is school related.

Parking lots 2 and 3 will have 123 stalls. There are 2 existing parking lots which will remain in use for student parking located on the east side of Stott Street. The existing parking lots contain another 78 parking stalls. On the eastern side of the Beaverton HS campus along Stott Street there will be approximately 200 student parking spaces. It is reasonable to conclude that there will be traffic congestion on Stott Street, especially during dismissal time. However, given that the Beaverton Development Code does not require the provision of parking for the school use, the alternative could be much worse with no available off-street parking.

The number of vehicles anticipated to use the family pick up and drop off is difficult to establish since those numbers will depend on a number of variables. For example, the start of the school year will typically experience a higher level of family use and will decline after 2-3 weeks. Further, the composition of the student body also influences the use. The number of students who can or cannot drive will influence the number of family trips. Additionally, the weather influences family trips. The District's experience with family pick up and drop off at the high school level has witnessed higher use of family trips for student drop off. Families tend to do drop off since the high school day begins before traditional work hours and students are dropped off as a part of their family's work commute. Afternoon dismissal sees a much lower family pick up use and does not share the same pick up characteristic as experienced at the elementary school level. For these reasons, the District cannot provide a meaningful number of family trips to the school.

Nevertheless, the opening of the new parking lots will provide an opportunity for the District to conduct an education campaign to inform all drivers on how to effectively and efficiently arrive at and depart from the new parking lots. This will be a substantial improvement for students and their families. Examples for education could include, and not be limited to, noting that the 22

queuing spots can be rotated through as students depart. There is adequate travel lane space in the parking lot to pull from the curb and leave the parking lot thus freeing up curb space for more queuing. Further, as stalls become available in the parking lot, families can pull into the stalls to wait.

The attached graphic illustrates the proposed traffic markings and signage for the parking lots.

- *Parking Lot 4 - Please provide the anticipated number of standard buses expected, and whether or not they can all be accommodated on site. If they cannot be accommodated at the same time, please provide details on staggering and/or other strategies to prevent buses and vehicles queuing onto Erickson. Please also provide details of expected arrival and departures for staff, and how staff traffic is expected to interact with busses.*

**Response:** Parking Lot 4 will be for staff parking and bus transportation of general education students. There are 10 general education buses that drop students between 7:15 and 7:25 AM. There are 10 general education buses that arrive at Beaverton HS beginning at 2:10 PM, and depart at 2:35 PM. As illustrated in the attached graphic, Parking Lot 4 has queuing capacity for 12 general education buses. School staff arrive approximately one hour before the school day begins at 7:45 AM. Departure times can vary depending on assignment and classification. However, all staff departure times are after students have been dismissed from school. Therefore, the arrival and departure times of students and staff are staggered. The District does not anticipate any vehicles obstructing Erickson Avenue during arrival or dismissal times.

- *Parking Lot 5 - The submitted narrative notes this will be used as "flexible parking for events, overflow". Please confirm whether or not this lot will be open for use during regular school hours. And if it will be open during school hours, who are the expected users and when are they expected to arrive and depart?*

**Response:** Parking Lot 5 is an existing parking lot currently used by students and will continue to be used by students. The lot will be open during school hours and for any events taking place at the school. Use will be predominately be active during student arrival and dismissal which are 7:15 – 7:45 AM and 2:30 – 3:00 PM respectively.

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