

First Load/Second Load Route Design (8/2018)

On Time Status: Transportation is considered “On Time” when a particular bus arrives on campus between 10-30 minutes before the bell. This is a 20-minute window that allows for traffic issues to push buses past the 10-minute prior target and not cause students to be late for the beginning of class. If the bus arrives on time (10 minutes prior) the students also have adequate time to prepare for class and participate in one of the many important breakfast programs.

AM Transportation – Transportation logistics are limited in the morning by the time when the school doors open. The attached graphic illustrates a generic time of 7:30 AM when the doors open and staff is assigned to monitor or manage students in the building. Routes are developed to have the first load of students arrive at 7:30 AM. The same bus then returns to the neighborhood to pick up students for the second load. In consideration of the very tight 20-minute arrival window, the second loads are closest to the school to allow time to pick students up and return back to the school before the 10 minutes prior target arrival time. The attached graphic also illustrates a reversal of the route (closest students first, farthest students last) and shows that an additional 20 minutes is needed for the bus to arrive at the school with the second load students. The elapsed time pushes 10 minutes past when classes begin based upon the 7:30 drop off time for first load students. The most significant contributing factor is the 15-minute empty bus travel time it takes to arrive at the first (farthest) stop on the second load. Compared to the current method which has an empty bus time of 5 minutes. The total elapsed time from the first student picked up to the last student dropped off is 35 minutes on the preferred route and 55 minutes on the alternate method.

PM Transportation – The above AM general description is true but opposite for the PM dismissal. Of particular note is in the current practice, the empty bus returns to school from dropping off the first load at 2:50 PM in lieu of the alternate method which has the bus arriving at 3:10. The overall elapsed time from the beginning of the route to the last stop is 45 minutes for the preferred method and 1 hour and 5 minutes for the alternate method. With the alternate method, it should also be noted as a secondary consideration to the student’s experience is that school staff must stay at the school an additional 20 minutes to supervise students until the second load bus arrives.

[Click here for visual graph](#)



