

# Transportation Time Study

## Assumptions

- Longest bus route from first pick up to GEMS / GEMS to last drop off is 50 minutes.
- Longest bus route from first pick up to WEMS / WEMS to last drop off is 40 minutes.
- Longest bus route from first pick up to RCHS / RCHS to last drop off is 70 minutes.
- No changes to routing; only changes to timing and order of operations
- Spencer area changes are best left to planning around the new Spencer Middle School in 2022-23.

## Objective

- Move RCHS start time to 8:30 am
- Find more efficient routing (reduce student ride times, reduce mileage per day, etc.)

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## **Option 1 – Double routes in the morning, double routes in the evening (HS first)**

- Late start / end times for GEMS and WEMS (9:20/9:25 am – 3:50/3:55 pm)
- Late return home for GEMS and WEMS students (6:51 pm / 6:06 pm)
- Staffing time at GEMS and WEMS outside 8-hour day (8 hours, 41 minutes / 8 hours, 6 minutes)

## **Option 2 – Double routes in the morning, double routes in the evening (ES first)**

- Early start / end times for GEMS and WEMS (6:05/6:40 am – 12:35/1:10 pm)
- 1.5 – 2 hours of downtime for bus operators between evening routes

## **Option 3 – Double routes in the morning, single routes in the evening (HS first)**

- Late start / end times for GEMS and WEMS (9:20/9:25 am – 3:50/3:55 pm)

## **Option 4 – Single routes in the morning, single routes in the evening**

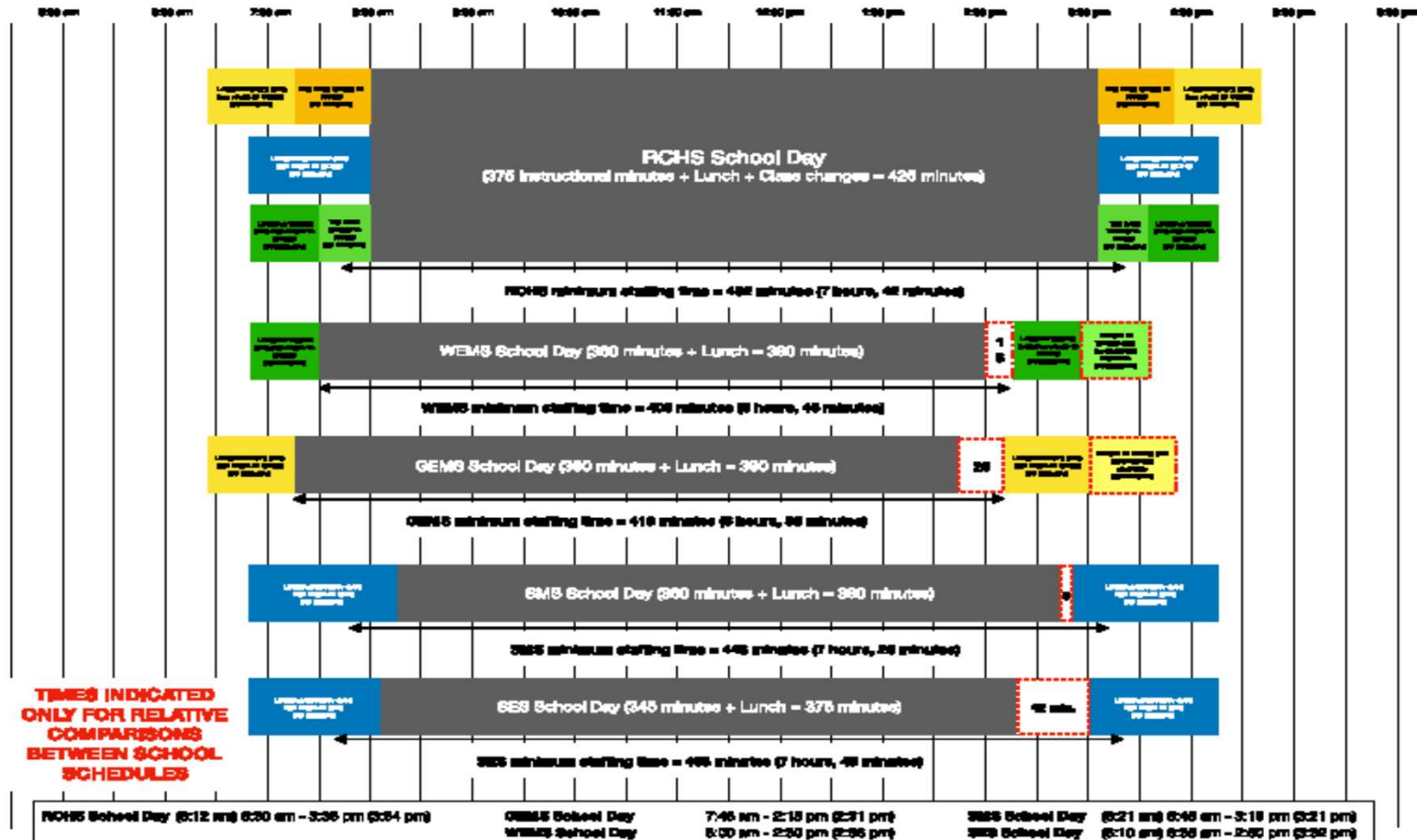
- 1.5 – 2 hours of downtime for students at GEMS and WEMS waiting on HS students to arrive
- Staffing time at GEMS and WEMS outside 8-hour day (8 hours, 41 minutes / 8 hours, 6 minutes)

## **Option 5 – Single routes in the morning, double routes in the evening (ES first)**

- ES students may arrive home well before HS students – but could ride 2<sup>nd</sup> round of buses (HS) in evening if concerned

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## Option 5 - Single routes in the morning, Double routes in the evening



## **Transportation Time Study**

### **Advantages to Option 5 versus current model**

- Moves RCHS start time to 8:30 am while keeping others between 7:45 am and 8:45 am.
- Reduces unstructured downtime for students at school buildings
- Earliest pick up time moved to around 6:50 am instead of 5:45 am. Later start time to morning bus routes may improve safety and reduce need for delays.
- “Local” routes focused on Walton and Geary areas and “express” buses to RCHS should be more efficient use of current fleet.