

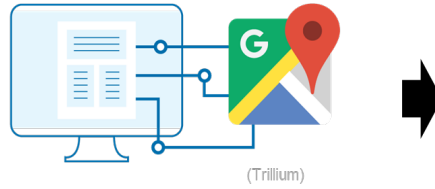


## Part 1: Schematic diagram and terminology of fixed (deviated) route bus service

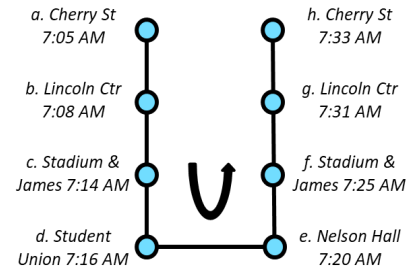
| Stop | City of Albert Lea Route | Time | Stop | Shannon City Route      | Time |
|------|--------------------------|------|------|-------------------------|------|
| 1    | Shady Dale               | 00   | A    | ALC to Hoover           | 02   |
| 2    | Senior Court             | 02   | B    | Hoover                  | 06   |
| 3    | Senior Center            | 03   | C    | Shady Dale to Hoover    | 11   |
| 4    | Senior Center            | 11   | D    | Senior Center to Hoover | 13   |
| 5    | Senior Center            | 13   | E    | Senior Center to Hoover | 14   |
| 6    | Senior Center            | 14   | F    | Senior Center to Hoover | 15   |
| 7    | Senior Center            | 15   | G    | Senior Center to Hoover | 16   |
| 8    | Senior Center            | 16   | H    | Senior Center to Hoover | 17   |
| 9    | Senior Center            | 17   | I    | Senior Center to Hoover | 18   |
| 10   | Senior Center            | 18   | J    | Senior Center to Hoover | 19   |

(SMART)

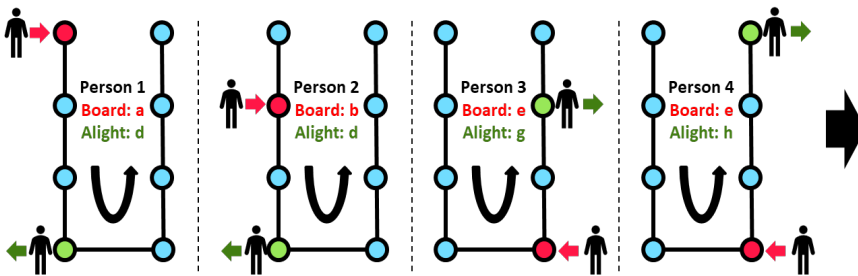
Timetable



GTFS



- Using your agency's route specification (timetable, GTFS, or others), we can identify each vehicle trip's schedule and itinerary

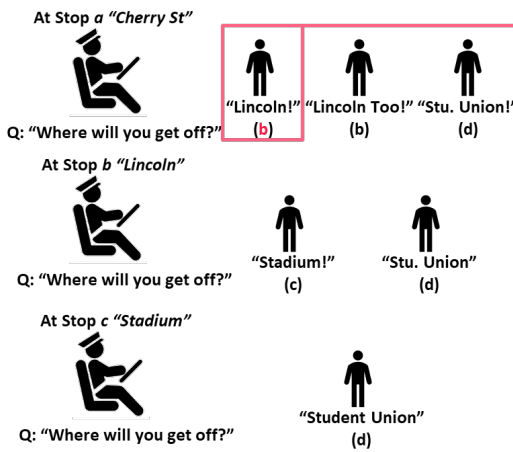
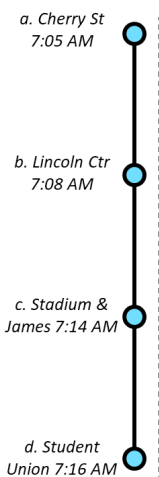


|                   |   | Destination (Alighting) |   |   |   |   |   |   |   |
|-------------------|---|-------------------------|---|---|---|---|---|---|---|
|                   |   | a                       | b | c | d | e | f | g | h |
| Origin (Boarding) | a |                         |   |   | 1 |   |   |   |   |
|                   | b |                         |   |   | 1 |   |   |   |   |
|                   | c |                         |   |   |   |   |   |   |   |
|                   | d |                         |   |   |   |   |   |   |   |
|                   | e |                         |   |   |   | 1 | 1 |   |   |
|                   | f |                         |   |   |   |   |   |   |   |
|                   | g |                         |   |   |   |   |   |   |   |
|                   | h |                         |   |   |   |   |   |   |   |

Origin-Destination (OD) Table

- Using the boarding and alighting locations of each passenger, we can get the vehicle trip's OD table

## Part 2: Data Collection and Recording



Drivers can choose to record either the **stop name** (Lincoln) or **stop code** (b)

Boarding Passengers **at each stop**:  
 Order doesn't matter

|               |   | Order doesn't matter |     |     |     |
|---------------|---|----------------------|-----|-----|-----|
|               |   | 1st                  | 2nd | 3rd | 4th |
| Bus Itinerary | a | b                    | b   | d   |     |
|               | b | c                    | d   |     |     |
|               | c | d                    |     |     |     |
|               | d |                      |     |     |     |

Cell value: Each Passenger's (surveyed) Alighting stop

**Action Item: Record each boarding passenger's alighting location at each stop**

- The data collection table's cell value represents the ID or name of the **surveyed alighting stop** for each passenger