Analysis of 15 Mile Limitation for Private Schools

Baldwinsville CSD
October 15, 2012
J. Rodems
• List of students and families who do not distance qualify (104 students from 71 families)
• Knowledge of Regular Runs
• Knowledge of Late Runs
  • Late buses are self limiting – cut short if no one rides
  • All late bus runs (3:45 PM) were bid @ one (1) hour
• Start and End times of Private Schools affects routing
  • CBA starts at 7:30; MPH starts at 7:45; FH in class by 8 AM
  • Currently Route 75 leaves for CBA & MPH around 7 AM from Palmer Elementary
  • If more than 6 students are added to route 75 in the morning then the bus may be late to CBA/MPH
## PRIVATE SCHOOL SCHEDULES

<table>
<thead>
<tr>
<th>School</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBA</td>
<td>7:30 AM</td>
<td>2:35 PM</td>
</tr>
<tr>
<td>MPH</td>
<td>7:45 PM</td>
<td>3:10 PM</td>
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<tr>
<td>Ludden</td>
<td>7:30 AM</td>
<td>2:50 PM</td>
</tr>
<tr>
<td>Grimes</td>
<td>7:30 AM</td>
<td>3:00 PM</td>
</tr>
<tr>
<td>FH</td>
<td>8:00 AM</td>
<td>3:00 PM</td>
</tr>
<tr>
<td>HF</td>
<td>8:00 AM</td>
<td>2:10 PM</td>
</tr>
<tr>
<td>St Mary</td>
<td>8:00 AM</td>
<td>4:00 PM</td>
</tr>
<tr>
<td>LW</td>
<td>8:10 AM</td>
<td>3:15 PM</td>
</tr>
</tbody>
</table>
• Typical/Average ridership drives decision making
  • Route 75 is using a standard 45 adult passenger bus; would hold 65 elementary school children
  • Has 59 assigned to it and averages (week of Oct 1-5) 33 students riding
  • This leaves a capacity of an additional 12 students available, any more and we would have to assign another bus – that could cost over $40,000 for one half of the day alone.
• $22,804 Driver (annualized) salary
• $4579 ERS (pension)
• $18,000 Health Ins
• $1751 FICA
• $47,224 Total Employee Cost
• $37,170 Total Vehicle Cost = 60 miles X 2 trips per day X $1.75 per X 177 days
• $84,394 Total Cost
In the AM the private school bus runs were typically designed to:

- Pick up some distance qualifying students
  - This is primarily in the eastern part of the district closer to Syracuse
- Travel to one or two pick up points
- Pick up some more distance qualifying students
- Go to the private school
- The start times for the private schools dictate that we leave early in the AM. The CBA/MPH bus leaves Palmer Elementary at 6:42 AM. Scheduled unload at CBA is 7:39 AM
- There is no set of feeder routes on which non-distance qualifying private school students could ride in to a central point.
8 Students could get on here Rt 75 AM.

DILEMMA: NEW STOP OR EXISTING STOP?
CBA Data
• 60 total students in our transportation records
• 12 students who distance qualify of which
  11 students who ride occasionally
• 48 students who do not distance qualify of which
  35 ride occasionally
  13 do not ride
• 46 in total ride occasionally
• 33 average daily ridership AM/12 in PM

MPH Data
• 10 total students in our transportation records
• 0 students who distance qualify
• 10 students who do not distance qualify of which
  3 ride occasionally
  7 do not ride
• Existing stops on some routes are few and far between. If we add stops the time for the run will rise.
• Some late runs are long right now with Tuesday, Wednesday and Thursday rides approaching an hour.
• Some of these runs now average low numbers – Route 68 MF 0-2 riders and TWTh have 6 riders. If we add riders the time for the riders and the driver will rise.
• Our stop times in our routing software routinely use 1 minute for a typical one student stop. Depending on the stop this is often takes more time. E.G.: A student walking in front of the bus or more than one student on and off.
• Length of a run in good weather is one thing and the time for an entire run rises when the weather gets worse.
Baldwinsville Central School District
Route Map

2012-13 ROUTE 68-6 LATE BUS

Route: 68-6
Vehicle: 431
Anchor: DJ
Depart Time: 3:45 PM
Dropoffs: 6
Distance: 33.08 mi.

Desc: 3:45 LATE RUN-PLANVILLE
Driver: GATES, RALPH
Max Load: 6
End Time: 4:59 PM
Transfers On: 6
Transfers Off: D
Days: MTWHF
Existing Stop

New Stop?

DILEMMA: NEW STOP OR EXISTING STOP?
## Late Bus Ridership Issues

### Route 68-6 Ridership example:
- **Current ridership:**
  - Monday and Friday: 0 - 2
  - Tues/Wed/Thurs: 3
- **Potential new riders:** 28
- **New possible total:** 31

*Note: we do have a helper route on TWTh which takes 5 to 12 qualifying riders into 68-6’s quadrant. They get back at 4:54 PM.*

### Route 67-6 Ridership example:
- **Current Ridership:**
  - Monday and Friday: 7 - 8
  - Tues/Wed/Thurs: 19-25
- **Potential new riders:** 45
- **New possible total:** 70
• Only a few students can be accommodated with a ride to the centralized pick up points in the AM without increased costs of adding stops or bus runs.

• Only a few students can be taken home at the end of the day on current runs to current stops without: increasing costs, crowding of buses, long walking distances from current stops or increasing ride time for those students who do distance qualify.