



SCHOOL BUS
CONSULTANTS

Transportation Analytics:

Assessing Performance
and Evaluating
Opportunities

MSBO
May 3, 2017

The perception of school transportation



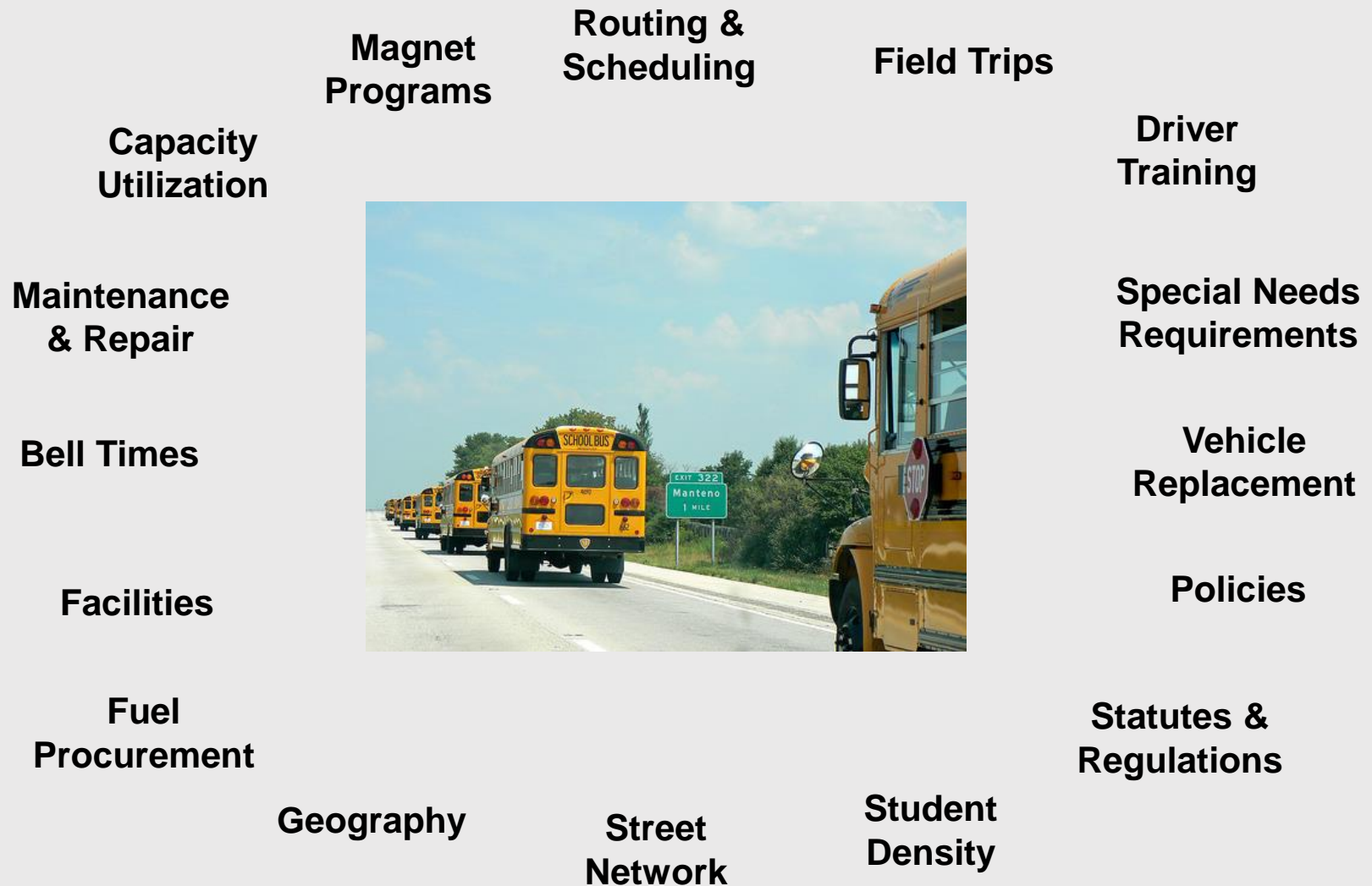
The questions that percolate up...

- Why does transportation cost so much?
- Can we reduce the cost of transportation services?
- What will be the impact if high school students start later?
- Can we delay replacing school buses?
- Why are our buses late?
- Do we have a driver shortage?
- Why can't we support all of our field and sports trips?
- How do we compare to our neighbors?

Knowing what you need to know

- As the business administrator, you shouldn't have to know everything just what is important to know
- Defining what is important to know is the most critical component
 - ❖ Budget and expenditures
 - ❖ Service quality and issues
 - ❖ Contract management requirements
 - ❖ Overall performance

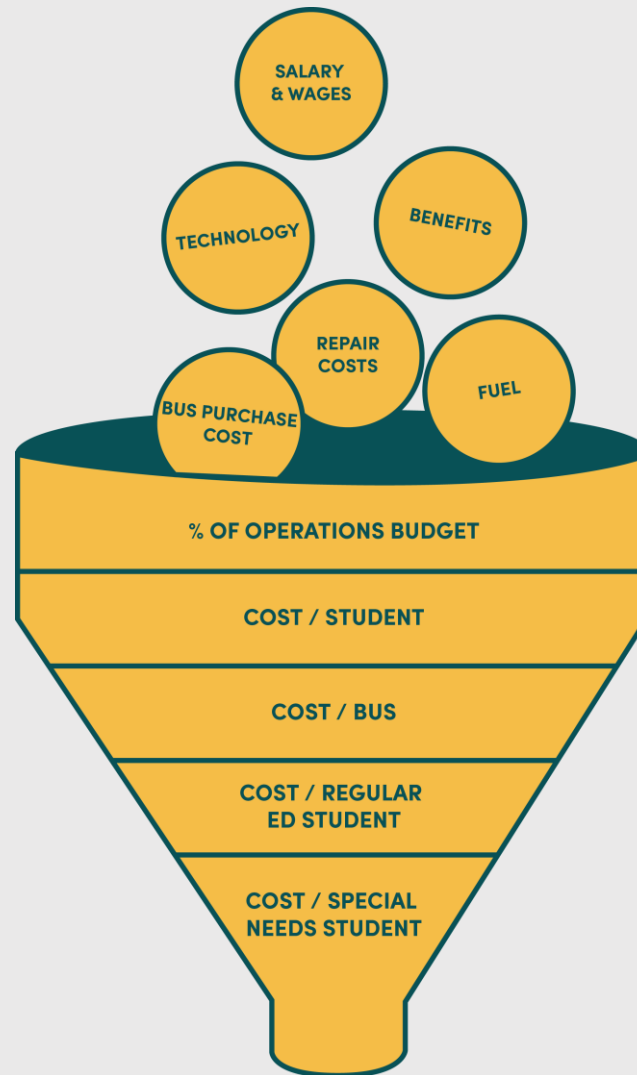
The reality of school transportation



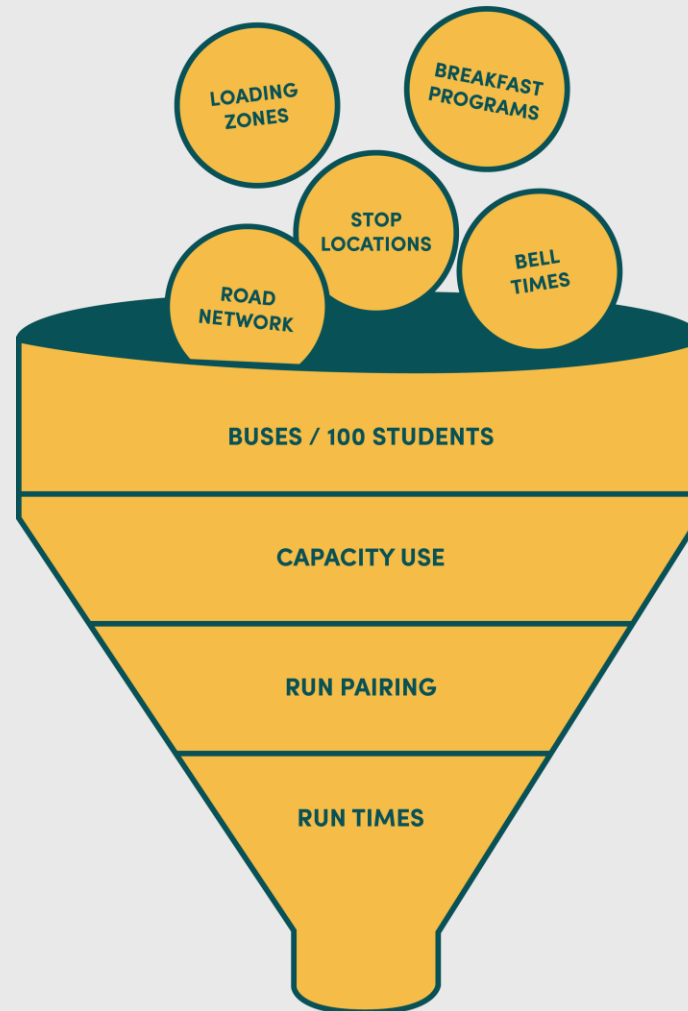
The top 10 things to know

Costs	Operations	Staff
Percent of district budget	Buses per 100 students	Average absence rate
Cost per student	Capacity use	
Cost per bus	Run pairing	
Cost per regular ed student	Run times	
Cost per special needs student		

Working the cost funnel



Working the operations funnel



Driver absence rates is more than just absenteeism

- Expect 4 to 5% per day
 - ❖ Collective bargaining agreements will have a huge impact on absenteeism
 - ❖ Loss aversion is critical consideration in negotiations
- Key driver of service quality
 - ❖ Routes not covered
 - ❖ Substitute drivers operating late and/or operating routes “as they as supposed to be”
 - ❖ Non-home-to-school programs disproportionately impacted
- Should be tracked on a daily basis
 - ❖ Focus on instances not counts
 - ❖ Track for Monday & Friday issues; pay day issues, etc.
 - ❖ Reporting concern for BA; Management/tracking concern for TD

In summary

- Transportation is not complicated but is complex; needs to be evaluated as such
 - ❖ The top 10 items touch on nearly every aspect of the system in a summary manner
- Be like a bank robber, go where the money is
 - ❖ Work the funnel so you don't get lost in the detail
- Driver absenteeism is about much more than just needing more bus drivers
 - ❖ The “system” needs to recognize and accommodate this



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