

# BRRSD

## Transportation Routes Time and Tier Study

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# Topics covered

- Goal
- Assumptions
- Current Data
- How to look at Tiers
- Options

# Goal

- Provide transportation scheduling alternatives that will allow a later start time for high school students

# Assumptions

- Current Transportation System is working well
  - Route data times are valid
  - Current Tiers are valid
  - Route costs are valid
  - Study applies only to large bus regular ed transportation
  - New PM routing will follow the “route to next school” method



## Another way of looking at Tiers

	HS/MS	Primary	Intermediate	All	Single	Total
HS	44	25	9	8	2	44
MS	32	16	8	7	1	32

# Route Times

L10A	8:10	8:50	0:40	1901 Middlebrook Rd
L01A	8:11	8:50	0:39	Morgan La & Kelly Ct
L04A	8:15	8:50	0:35	Thomosn Ave Lexington Ave
L02A	8:16	8:50	0:34	Union Ave & Hollander St
L07A	8:17	8:50	0:33	Mt Horeb Rd & Tower Rd
L08A	8:17	8:50	0:33	195 Finderne Ave
L12A	8:18	8:50	0:32	Newman's La & Kale Dr
L09A	8:22	8:50	0:28	Allen Rd & Ash St
L11A	8:25	8:50	0:25	Washington ValleyRd & Argonne Farm Rd
L03A	8:28	8:50	0:22	199 Finderne Ave
L05A	8:29	8:50	0:21	954 Washington ValleyRd
L06A	8:33	8:50	0:17	Rt 202-206& Foothill Rd
L14A	8:33	8:50	0:17	Old Farm La & Cedarbrook Rd
L13A	8:35	8:50	0:15	1006 Buxton Rd
Average			0:27	
Min			0:15	
Max			0:40	

# Option #1

## Current tiers, time shifted

Buses	Level	Pickup	Route	In	Day	Out	Route	Drop off
44	HS	7:20	:45	8:05	7:01	3:06	:45	3:50
32	MS	7:40	:40	8:20	6:40	3:00	:40	3:40
56	PS	8:40	:40	9:20	6:20	3:40	:40	4:20
32	IS	9:05	:45	9:50	6:25	4:15	:45	5:00

## Option #2

HS tiered with Intermediate  
MS tiered with Primary

Buses	Level	Pickup	Route	In	Day	Out	Route	Drop off
44	HS	7:20	:45	8:05	7:01	3:06	:45	3:50
32	IS	8:20	:45	9:05	6:25	3:50	:45	4:35
32	MS	7:25	:40	8:05	6:40	2:45	:40	3:25
56	PS	8:30	:40	9:10	6:20	3:30	:40	4:10
Additional 24 PM buses			24 @ \$49,500		\$1,188,000			

## Option #3

HS tiered with Primary  
MS tiered with Intermediate

Buses	Level	Pickup	Route	In	Day	Out	Route	Drop off
44	HS	7:20	:45	8:05	7:01	3:06	:45	3:50
56	PS	8:50	:40	9:30	6:20	3:50	:40	4:30
32	MS	7:25	:40	8:05	6:40	2:45	:40	3:25
32	IS	8:20	:45	9:05	6:25	3:30	:45	4:15
Additional 12 single routes				12 @ \$49,500		\$594,000		

Option #3X  
HS tiered with Primary  
MS tiered with Intermediate

Buses	Level	Pickup	Route	In	Day	Out	Route	Drop off
44	HS	7:20	:45	8:05	7:01	3:06	:45	3:50
56	PS	8:50	:40	9:30	6:20	3:50	:40	4:30
32	MS	7:25	:40	8:05	6:40	2:45	:40	3:25
32	IS	8:20	:45	9:05	6:25	3:30	:45	4:15
Additional 12 single routes				12 @ \$49,500		\$594,000		

With additional planning, it may be possible to make this option a modified three tier system and use less buses

## Option #4 All Single Routes?

### Benefit:

Set start and dismiss times at will

### Problem:

Not enough drivers now

### Cost estimate:

152 routes @ \$49,500/route = \$7,524,000

Current cost for regular ed transportation: \$4,387,409

# Option #5

## Least Expensive

Buses	Level	Pickup	Route	In	Day	Out	Route	Drop off
56	PS	7:05	:40	7:45	6:20	2:05	:40	2:45
44	HS	7:40	:45	8:25	7:01	3:26	:44	4:10
32	IS	7:35	:40	8:15	6:25	2:45	:40	3:25
32	MS	8:15	:45	9:00	6:40	3:40	:45	4:25

# Option #5X

## Least Expensive

Buses	Level	Pickup	Route	In	Day	Out	Route	Drop off
56	PS	7:05	:40	7:45	6:20	2:05	:40	2:45
44	HS	7:40	:45	8:25	7:01	3:26	:44	4:10
32	IS	7:35	:40	8:15	6:25	2:45	:40	3:25
32	MS	8:15	:45	9:00	6:40	3:40	:45	4:25

With additional planning, it may be possible to make this option a modified three tier system and use less buses.



Open for Discussion