



COOPERATIVE
STRATEGIES

COMPLETE FINANCIAL & DEMOGRAPHIC PLANNING FOR EDUCATION

NORFOLK PUBLIC SCHOOLS

TRANSPORTATION DISCUSSION
PRESENTED TO DLT
ON

MAY 8, 2018



OBJECTIVES

- Review Current Yellow Bus Transportation Model
- Explore Alternative Models
- Create Options
 - Outline Benefits/Challenges
- Define Process of Change
- Implementation Strategies

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CURRENT STAGGER SYSTEM

Stagger 1				Stagger 2				Stagger 3				Stagger 4			
Regular		Special		Regular		Special		Regular		Special		Regular		Special	
B.T.W.	13	7	20	ADL	24	1	25	Bayview	1	4	5	BCEEC		1	1
Granby H	28	3	31	Crossroads	6	6	12	Camp Allen	4	4	8	Calcott	3	2	5
Lake T. H	23	10	33	Ghent	24	0	24	Coleman Pl	4	1	5	Chesterfield	2	1	3
Maury	24	7	31	SSAC	4	1	5	Fairlawn	5		5	Jacox	8	1	9
Norview H	17	10	27	Az. Gardens	15	2	17	Granby E	6	1	7	Larrymore	6	5	11
SECEP		8	8	Blair	18	4	22	Ingleside	4	1	5	Monroe	1	1	2
ODU		1	1	L. Taylor M	12	4	16	Larchmonmt	2		2	Oceanview	6	1	7
				Northside	8	4	12	Lindenwood	4	1	5	P.B.Young	4		4
				Norview M	7	2	9	Little Creek	8	6	14	R. Bowling	2	3	5
				Ruffner	7	3	10	Norview E	2	3	5	Sherwood Frst	5	2	7
				AIOS	10	4	14	Poplar Halls	5	1	6	Tidewater Pk	3		3
				Camp Young		1	1	Oceanair	1	1	2	Willoughby	2	2	4
				ODU Prek		1	1	St. Helena	0		0	Camp Young		2	2
				Rivermast		3	3	Suburban Pk	6	4	10	Madison	5	1	6
								Tanners Cрек	5	3	8				
								Tarrallton	0		0				
								Taylor	4	1	5				
								Willard	8	5	13				
								Easton		8	8				
TOTAL			151				171				113				69

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CURRENT STAGGER SYSTEM



Stagger 1				Stagger 2			
	Regular	Special	Total		Regular	Special	Total
B.T.W.	13	7	20	ADL	24	1	25
Granby H	28	3	31	Crossroads	6	6	12
Lake T. H	23	10	33	Ghent	24	0	24
Maury	24	7	31	SSAC	4	1	5
Norview H	17	10	27	Az. Gardens	15	2	17
SECEP		8	8	Blair	18	4	22
ODU		1	1	L. Taylor M	12	4	16
				Northside	8	4	12
				Norview M	7	2	9
				Ruffner	7	3	10
				AIOS	10	4	14
				Camp Young		1	1
				ODU Prek		1	1
				Rivermast		3	3
TOTAL			151				171

Stagger 3				Stagger 4			
	Regular	Special	Total		Regular	Special	Total
Bayview	1	4	5	BCEEC		1	1
Camp Allen	4	4	8	Calcott	3	2	5
Coleman Pl	4	1	5	Chesterfield	2	1	3
Fairlawn	5		5	Jacox	8	1	9
Granby E	6	1	7	Larrymore	6	5	11
Ingleside	4	1	5	Monroe	1	1	2
Archmonmt	2		2	Oceanview	6	1	7
Indianwood	4	1	5	P.B.Young	4		4
Little Creek	8	6	14	R. Bowling	2	3	5
Norview E	2	3	5	Sherwood Frst	5	2	7
Poplar Halls	5	1	6	Tidewater Pk	3		3
Oceanair	1	1	2	Willoughby	2	2	4
St. Helena	0		0	Camp Young		2	2
Suburban Pk	6	4	10	Madison	5	1	6
Tanners Crrek	5	3	8				
Tarrallton	0		0				
Taylor	4	1	5				
Willard	8	5	13				
Easton		8	8				
TOTAL			113				69

Challenges

- Early/Early HS Pick-up
- Longest Routes (miles & time) 1st two staggers
- Route Times of Staggers cause late bus arrivals
- Driver Down Times
- Requires More Drivers
- Activity Busses
 - Athletics
 - Specialty Day Programs

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PROPOSED OPTION

3 STAGGER



Stagger 1				Stagger 2			Stagger 3				
	Regular	Special	Total	Regular	Special	Total	Regular	Special	Total		
Calcott	3	2	5	ADL	24	1	25	B.T.W.	13	7	20
Chesterfield	2	1	3	Ghent				Granby H	28	3	31
Jacox	8	1	9	Az. Gardens	15	2	17	Lake T. H	23	10	33
Larrymore	6	5	11	Blair	18	4	22	Maury	24	7	31
Monroe	1	1	2	L. Taylor M	12	4	16	Norview H	17	10	27
P.B.Young	4		4	Northside	8	4	12	ODU Prek		1	1
R. Bowling	2	3	5	Norview M	7	2	9	Rivermont		3	3
Sherwood Frst	5	2	7	Ruffner	7	3	10	SSAC	4	1	5
Tidewater Pk	3		3	SSAC	4	1	5	Crossroads	6	6	12
Coleman Pl	4	1	5	AOIS	10	4	14	Easton		8	8
Lindenwood	4	1	5					Camp Young AIMS		1	1
Oceanair	1	1	2					Camp Young		2	2
Poplar Halls	5	1	6					BCEEC		1	1
Fairlawn	5		5					Madison	5	1	6
Larchmonmt	2		2								
Bayview	1	4	5								
Camp Allen	4	4	8								
Granby E	6	1	7								
Ingleside	4	1	5								
Little Creek	8	6	14								
Norview E	2	3	5								
St. Helena	0		0								
Suburban Pk	6	4	10								
Tanners Crrek	5	3	8								
Tarrallton	0		0								
Taylor	4	1	5								
Willard	8	5	13								
Oceanview	6	1	7								
SECEP		8	8								
ODU		1	1								
Willoughby	2	3	5								
TOTAL	111	64	175		111	31	142		110	54	164

Student Hours 7:30 AM - 1:55 PM

Student Hours 8:15 AM - 2:45 PM

Student Hours 9 AM - 3:40 PM

PROPOSED OPTION

3 STAGGER

Challenges



Stagger 1				Stagger 2			Stagger 3				
Regular	Special	Total		Regular	Special	Total	Regular	Special	Total		
Calcott	3	2	5	ADL	24	1	25	B.T.W.	13	7	20
Chesterfield	2	1	3	Ghent				Granby H	28	3	31
Jacox	8	1	9	Az. Gardens	15	2	17	Lake T. H	23	10	33
Larrymore	6	5	11	Blair	18	4	22	Maury	24	7	31
Monroe	1	1	2	L. Taylor M	12	4	16	Norview H	17	10	27
P.B.Young	4		4	Northside	8	4	12	ODU Prek		1	1
R. Bowling	2	3	5	Norview M	7	2	9	Rivermont		3	3
Sherwood Frst	5	2	7	Ruffner	7	3	10				
Tidewater Pk	3		3	SSAC	4	1	5	Easton		8	8
Coleman Pl	4	1	5	Crossroads	6	6	12				
Lindenwood	4	1	5	AOIS	10	4	14				
Oceanair	1	1	2					Camp Young AIMS		1	1
Poplar Halls	5	1	6					Camp Young		2	2
Fairlawn	5		5					BCEEC		1	1
Larchmonmt	2		2								
Bayview	1	4	5					Madison	5	1	6
Camp Allen	4	4	8								
Granby E	6	1	7								
Ingleside	4	1	5								
Little Creek	8	6	14								
Norview E	2	3	5								
St. Helena	0		0								
Suburban Pk	6	4	10								
Tanners Crrek	5	3	8								
Tarrallton	0		0								
Taylor	4	1	5								
Willard	8	5	13								
Oceanview	6	1	7								
SECEP		8	8								
ODU		1	1								
Willoughby	2	3	5								
TOTAL	111	64	175								

Student Hours 7:30 AM - 1:55 PM

Student Hours 8:15 AM - 2:45 PM

Student Hours 9 AM - 3:40 PM

- Changing Schedules
- Community Push Back
- Athletic Start Times
 - Field Lighting
 - \$300-\$500k per High School
- Elementary Dismisses Earliest

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PROPOSED OPTION



Benefits

Stagger 1				Stagger 2				Stagger 3			
Regular	Special	Total		Regular	Special	Total		Regular	Special	Total	
Calcott	3	2	5	ADL	24	1	25	B.T.W.	13	7	20
Chesterfield	2	1	3	Ghent				Granby H	28	3	31
Jacox	8	1	9	Az. Gardens	15	2	17	Lake T. H	23	10	33
Larrymore	6	5	11	Blair	18	4	22	Maury	24	7	31
Monroe	1	1	2	L. Taylor M	12	4	16	Norview H	17	10	27
P.B.Young	4		4	Northside	8	4	12	ODU Prek		1	1
R. Bowling	2	3	5	Norview M	7	2	9	Rivermont		3	3
Sherwood Frst	5	2	7	Ruffner	7	3	10	Easton		8	8
Tidewater Pk	3		3	SSAC	4	1	5	Camp Young AIMS		1	1
Coleman Pl	4	1	5	Crossroads	6	6	12	Camp Young		2	2
Lindenwood	4	1	5	AOIS	10	4	14	BCEEC		1	1
Oceanair	1	1	2					Madison	5	1	6
Poplar Halls	5	1	6								
Fairlawn	5		5								
Larchmonmt	2		2								
Bayview	1	4	5								
Camp Allen	4	4	8								
Granby E	6	1	7								
Ingleside	4	1	5								
Little Creek	8	6	14								
Norview E	2	3	5								
St. Helena	0		0								
Suburban Pk	6	4	10								
Tanners Crrek	5	3	8								
Tarrallton	0		0								
Taylor	4	1	5								
Willard	8	5	13								
Oceanview	6	1	7								
SECEP		8	8								
ODU		1	1								
Willoughby	2	3	5								
TOTAL	111	64	175	111	31	142	110	54	164		

Student Hours 7:30 AM - 1:55 PM

Student Hours 8:15 AM - 2:45 PM

Student Hours 9 AM - 3:40 PM

- Full Utilization of Fleet & Drivers
 - Less Driver Downtime
- Shortened Ride times
 - 120 minutes to 40 minutes
- Reduction of approximately 40 contracts (@\$16.5k/annually)
- Later a.m. pick up times
 - @7:00 a.m. from 5:30 a.m.
- Later High School Start Time
 - Research Based Benefits
 - Evidence of Decreased Absenteeism
 - Accreditation Benefit ✓
- Middle School Start Time not Impacted
- Activity Bus Efficiencies

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NEXT STEPS





NEXT STEPS

- Cost Benefit Analysis
- Route Efficiency Analysis
- Present to School Board
- Community Engagement Process
 - Survey Methods
 - Education of Model (Researched/Best Practice Based Evidence)
 - Community Meetings
- Establish Timeline for Implementation
 - Anticipated beginning SY2019/2020

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QUESTIONS

