



Arlington
Public
Schools



APS Transportation

February 12, 2018

MORE Seats for
Students

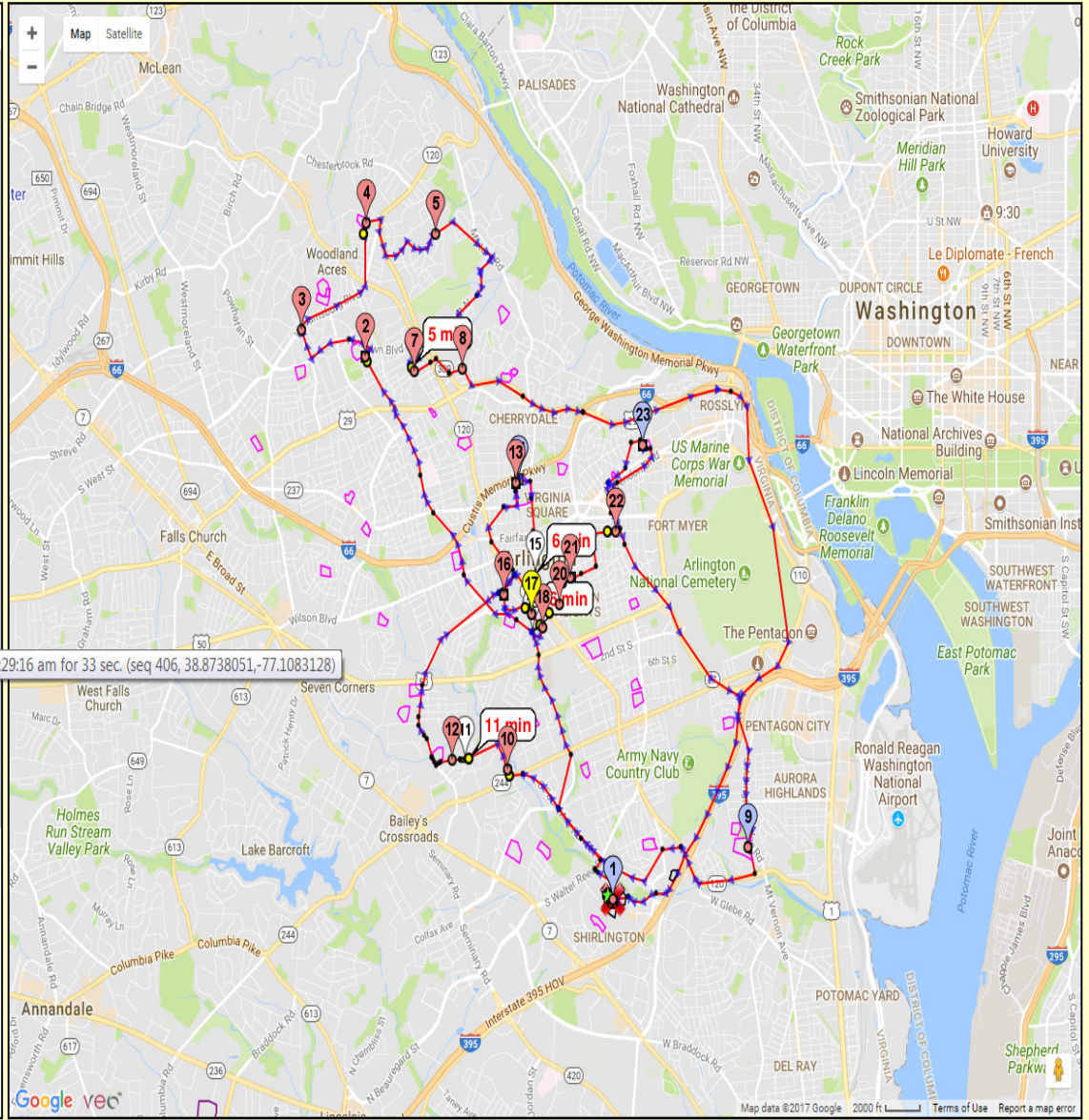
Transportation basic facts

- Miles Driven in SY16-17: 1,609,962
- Routes (SY 17-18): 150
 - General education runs: 288
 - SPED runs: 91
- Fleet (SY 17-18): 178 vehicles
 - General education vehicles: 122
 - SPED vehicles: 50
 - MV1 vehicles: 3
 - Micro busses: 3
- Field trips made in SY16-17: 4,355
(includes sports trips, band, instructional and non-instructional trips, and anything outside the AM/PM or shuttle services)



Bus 28 3.4 hours, 35.0 miles
Route 15 bus stops
Oct. 31, 2017: 5:48 am - 9:09 am

(am) Time	Event / Location	(mm:ss) Stop Length
5:48	start at Depot ①	
5:57	Excessive idle (> 10min.)	30:08
6:26	Check Reds	
6:28	Depart Depot ①	40:38
6:48	Stop ② 2790 Florida St, Arlington	00:55
6:51	Stop ③ 3380 John Marshall Dr, Arlington	00:17
6:55	Stop ④ 3728 Delaware St, Arlington	00:24
7:02	Stop ⑤ 3504 Vermont St, Arlington	00:24
7:10	>5 min. stop ⑥ Columbus St, Arlington	05:13
7:11	Stop ⑦ Columbus St, Arlington	00:19
7:15	Stop ⑧ 4603 23rd Rd, Arlington	00:20
7:30	arrive Gunston MS ⑨	
7:32	Depart Gunston MS ⑨	02:39
7:43	Stop ⑩ Dinwiddie St, Arlington	00:36
7:44	>5 min. stop ⑪ 5378 7th Rd, Arlington	10:57
7:45	Stop ⑫ 5597 7th Rd, Arlington	01:36
8:10	Stop ⑬ 1360 Stafford St, Arlington	00:16
8:10	arrive Washington-Lee HS ⑭	
8:13	Depart Washington-Lee HS ⑭	02:59
8:16	>5 min. stop ⑮ 3999 5th Pl, Arlington	05:42
8:26	Stop ⑯ 563 Park Dr, Arlington	02:03
8:29	Stop ⑰ 389 Thomas St, Arlington	00:33
8:31	Stop ⑱ 250 Thomas St, Arlington	00:36
8:32	>5 min. stop ⑲ 4326 Pershing Dr, Arlington	33:00
8:36	Stop ⑳ 3807 Pershing Dr, Arlington	00:31
8:38	Stop ㉑ 3591 5th St, Arlington	01:02
8:43	Stop ㉒ 2913 9th St, Arlington	00:11
8:49	arrive Francis Scott Key ES ㉓	
8:52	Depart Francis Scott Key ES ㉓	02:52
9:07	arrive Depot ①	



Ridership



Students Eligible to be Transported in SY17-18

	Eligible	AM Actual	%	PM Actual	%	Total
General Education	15,487	5,578	36.02%	5,561	35.91%	11,139
SPED	718	407	56.89%	347	48.31%	754
Total	16,205	5,985	36.93%	5,908	36.46%	11,893

Actual student count as required by the VDoE.

Count conducted from October 16 to October 20, 2017

AM Busses Needed per Day



School Type	General Education	Special Education
MS 7:50 AM	61	11
ES 8:00 AM	27	7
HS 8:19 AM	75	11
ES 8:25 AM	21	6
ES 9:00 AM	92	32
H-B Woodlawn 9:24 AM	12	3
Contracted schools		21
TOTALS	288	91

PM Busses Needed per Day

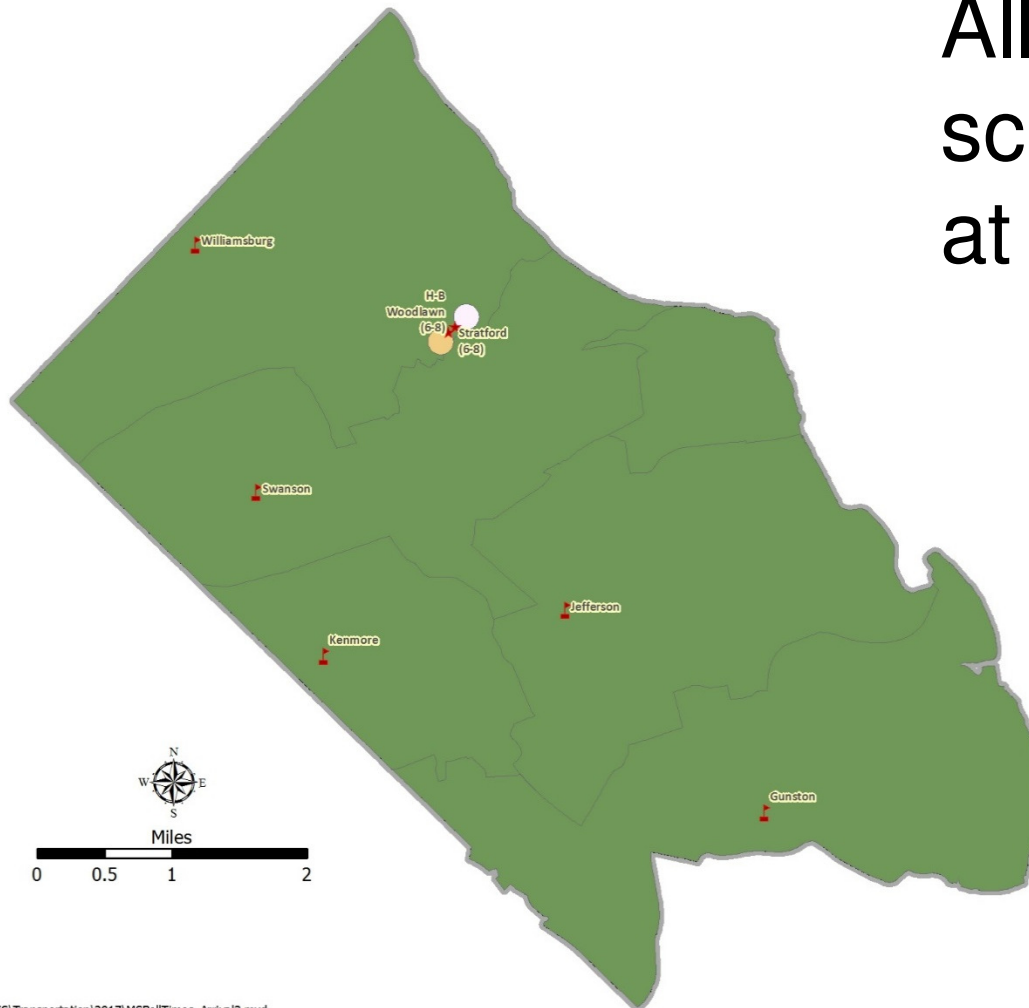


School Type	General Education	Special Education	Departure from school (actual)
MS 2:24 PM	61	11	2:34 PM
MS Sports 2:30 PM	4	Average	
ES 2:41 PM	27	7	2:51 PM
HS 3:01 PM	75	11	3:11 PM
HS Sports 3:15 PM	4	Average	
ES 3:06 PM	21	6	3:16 PM
ES 3:41 PM	92	32	3:51 PM
H-B Woodlawn 4:06 PM	12	3	4:16 PM
Others		21	
TOTALS	288 + 8	91	

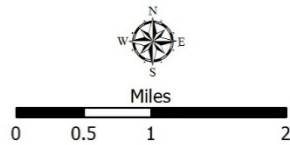
Middle School Bell Times - Arrival



All middle schools start at 7:50 AM



- Legend**
- Bell Times
 - 7:50:00 AM
 - 9:15:00 AM
 - 9:24:00 AM
 - Arlington County Boundary
 - Area Middle School
 - Neighborhood Middle School

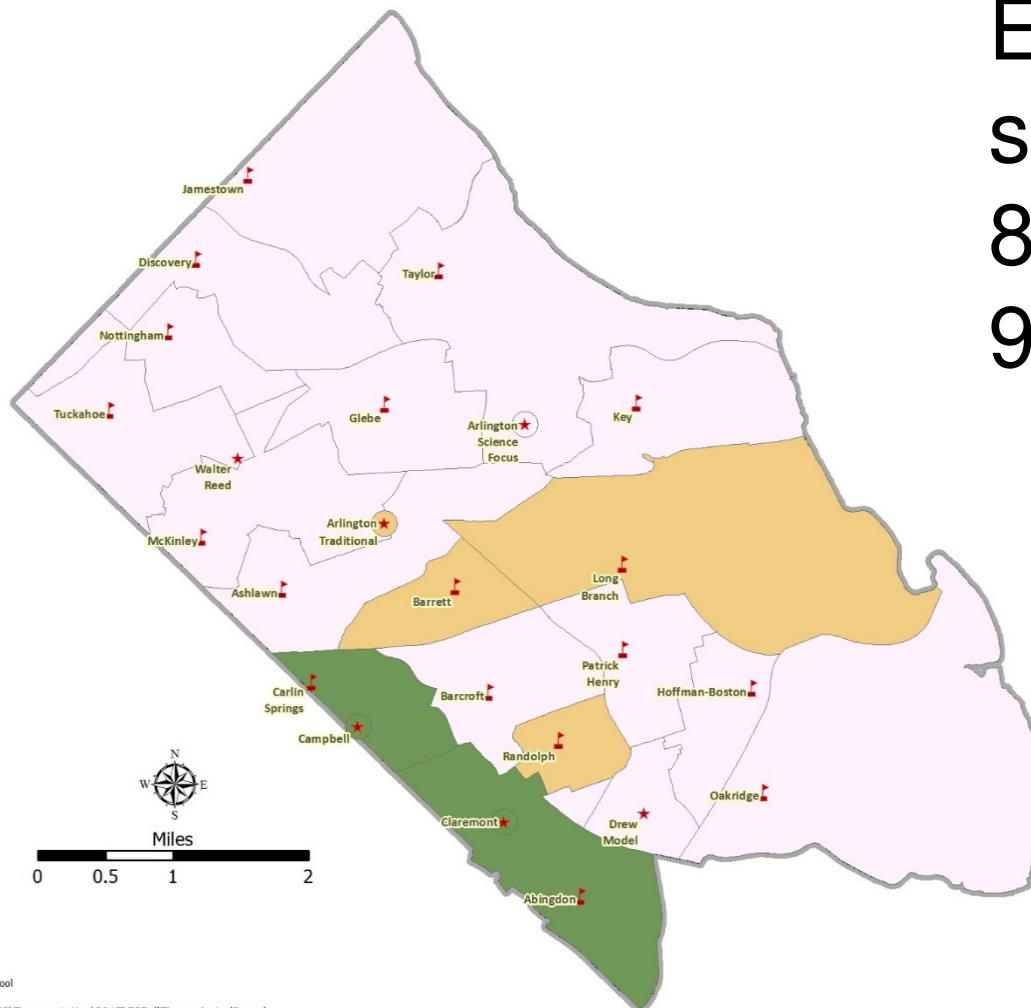


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Source: Arlington County GIS Mapping Center, 2017. Arlington County Public Schools, Transportation Services, 2017.

Elementary School Bell Times - Arrival



Elementary schools start at 8:00, 8:25 & 9:00 AM



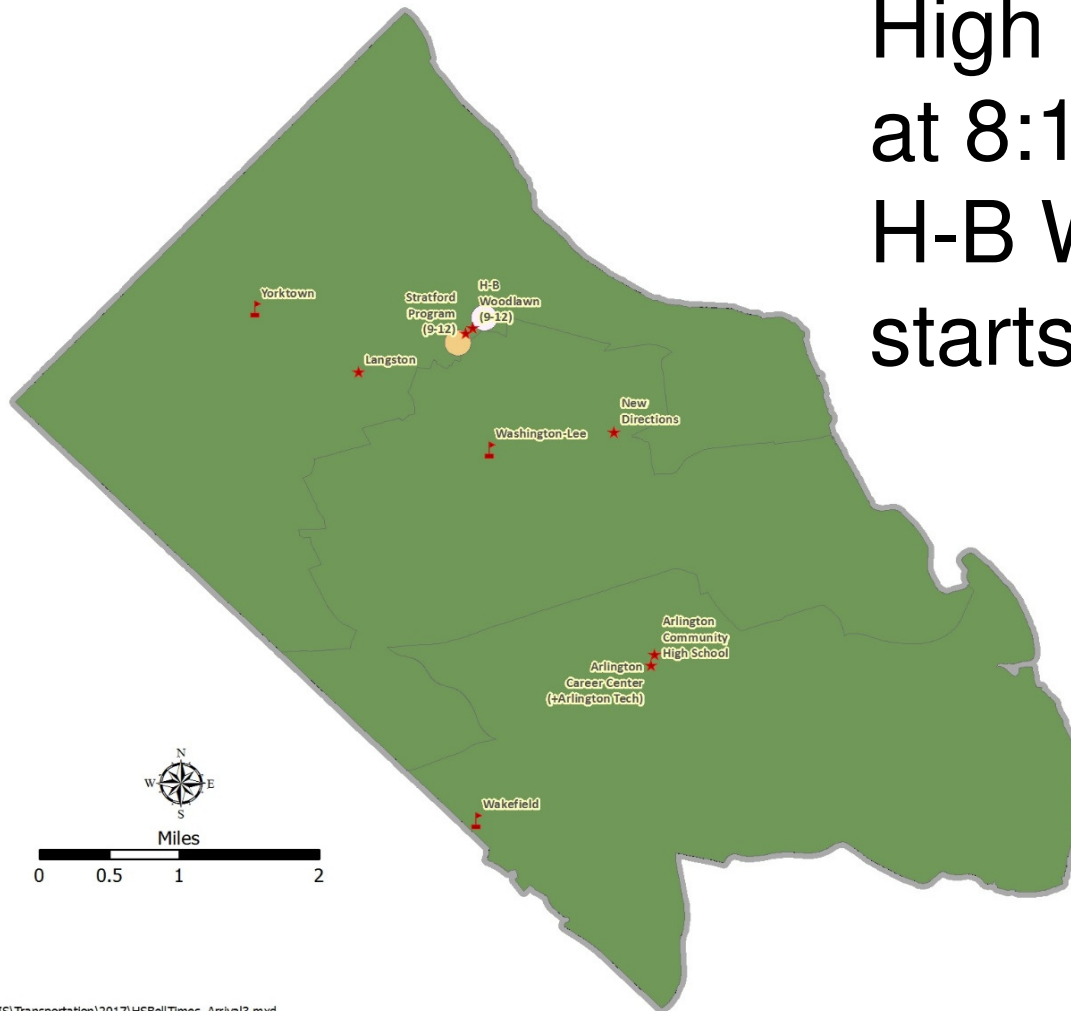
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Source: Arlington County GIS Mapping Center, 2017. Arlington County Public Schools, Transportation Services, 2017.

High School Bell Times - Arrival



High schools start
at 8:19 AM
H-B Woodlawn
starts at 9:24 AM



- Legend**
- Bell Times**
- 8:19:00 AM
 - 9:15:00 AM
 - 9:24:00 AM
- Arlington County Boundary
- Area High School
- Neighborhood High School

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Source: Arlington County GIS Mapping Center, 2016. Arlington County Public Schools, Facilities Planning, 2016.

Daily Tracker of Drivers Absent



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	Monday		Tuesday		Wednesday		Thursday		Friday		
Date	10/9/2017		10/10/2017		10/11/2017		10/12/2017		10/13/2017		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Open Routes	0	0	11	11	11	11	11	11	10	10	
Call out	0	0	1	1	6	6	1	0	2	3	
Scheduled out	0	0	0	1	5	7	5	6	6	9	
Other reasons	0	0	2	2	3	3	3	3	3	3	
Totals	0	0	14	15	25	27	20	20	21	25	16.7

	Monday		Tuesday		Wednesday		Thursday		Friday		
Date	10/16/2017		10/17/2017		10/18/2017		10/19/2017		10/20/2017		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Open Routes	10	10	10	10	9	9	9	9	9	9	
Call out	7	7	2	3	4	4	4	5	4	4	
Scheduled out	3	3	4	4	7	7	7	7	7	11	
Other reasons	3	3	3	4	3	3	3	3	2	2	
Totals	23	23	19	21	23	23	23	24	22	26	22.7

	Monday		Tuesday		Wednesday		Thursday		Friday		
Date	10/23/2017		10/24/2017		10/25/2017		10/26/2017		10/27/2017		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Open Routes	9	9	9	9	9	9	9	9	9	9	
Call out	6	9	5	4	1	1	2	2	5	5	
Scheduled out	5	7	6	6	7	7	7	8	10	10	
Other reasons	2	2	2	2	2	2	2	2	2	2	
Totals	22	27	22	21	19	19	20	21	26	26	22.3

Daily Tracker of Drivers Absent



Arlington
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	Monday		Tuesday		Wednesday		Thursday		Friday		
Date	1/22/2018		1/23/2018		1/24/2018		1/25/2018		1/26/2018		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Open Routes	5	5	5	5	5	5	5	5	0	0	
Call out	12	15	9	8	6	9	5	5	0	0	
Scheduled out	8	9	4	4	5	5	6	7	0	0	
Other reasons	1	1	1	1	1	1	1	1	0	0	
Totals	26	30	19	18	17	20	17	18	0	0	20.6

	Monday		Tuesday		Wednesday		Thursday		Friday		
Date	1/29/2018		1/30/2018		1/31/2018		2/1/2018		2/2/2018		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Open Routes	5	5	5	5	5	5	5	5	5	5	
Call out	9	6	4	5	2	3	1	0	3	5	
Scheduled out	3	3	2	2	5	9	2	3	4	4	
Other reasons	1	1	1	1	1	1	1	1	1	1	
Totals	18	15	12	13	13	18	9	9	13	15	13.5

	Monday		Tuesday		Wednesday		Thursday		Friday		
Date	2/5/2018		2/6/2018		2/7/2018		2/8/2018		2/9/2018		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Open Routes	5	5	5	5	5	5	4	4	3	3	
Call out	3	6	3	3	8	5	3	3	4	2	
Scheduled out	7	6	3	3	4	4	10	9	6	7	
Other reasons	1	1	1	1	1	1	1	1	1	1	
Totals	16	18	12	12	18	15	18	17	14	13	15.3

Driver Recruitment



- Requirements
 - 25 years old
 - Clean driver record
 - Able to pass DOT physical, drug and alcohol screening
- Process
 - Obtain a CDL learner permit
 - One week classroom work in house
 - Two weeks on the road training
 - Pass DMV test for CDL drivers (usually by week 4)
 - 10 hours of effective driving with students under supervision of State Certified Trainer

Driver Recruitment

- Recruitment efforts
 - Position posted at Careers@APS
 - Marketing campaign
 - Bumper stickers
 - Lawn signs
 - APS website
 - Recruitment fairs
 - Other recruitment efforts
 - Word of mouth
- What to expect
 - Split shifts (3 hours AM / 3 hours PM)
 - Overtime eligible
 - Benefits, after receipt of bus driver contract



Bus Parking



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- Today
 - 145 vehicles park at Trades Center
 - 33 vehicles park at Shirlington (CubeSmart) lot
- Summer 2018
 - Vacate Shirlington lot by July 2018
 - Restripe Trades Center parking lot to optimize parking
 - Move white fleet temporarily to Education Center after Central Office move
 - Ask County for parking at Buck property
- Proposed FY2019-28 CIP Project
 - Demolish part of warehouse for white fleet parking
 - Renovate part of warehouse for new driver/attendant lounge and restrooms
 - Repave and regrade parking lot to further optimize bus parking
- Future
 - Increase routing efficiency to reduce fleet increases
 - Find more parking space



MORE Seats for
Students

Trades Center Congestion



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Parking spaces for 108 buses
Total buses parked 145

Stop Arm Camera Program

- Cameras installed on 20 buses this school year
- Additional decoy cameras have been installed
- Fine is US\$ 250.00
- Results so far SY17-18
(9/4/2017 to 2/1/2018)

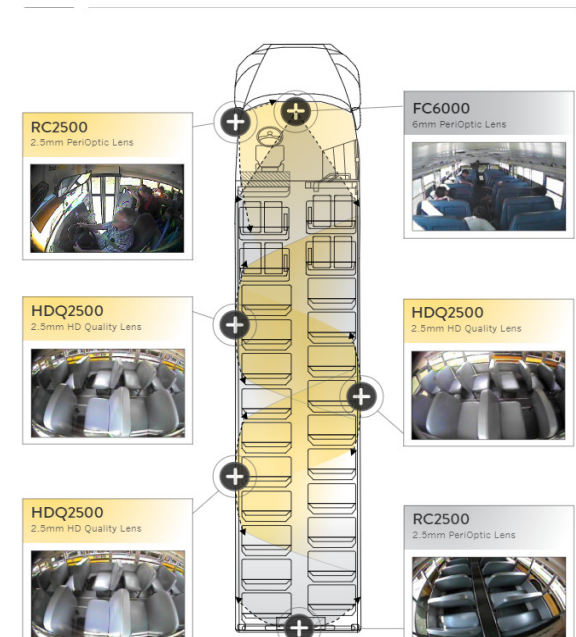
*15,106 events – 14,039 non-violations = 2,187



Violations Events	Citations issued	Violation events in workflow
2,187*	673	394

Technology on Busses

- Security cameras on busses (internal)
 - 155 busses with three camera system
 - 20 busses with five camera system
- GPS tracking on all vehicles
 - GPS is part of our routing software
- Tablets on all vehicles for routing purposes
 - Also used for time and attendance for drivers & attendants



Updates



- September 2, 2017 transition from EDULOG to TripSpark software completed for bus routing
 - New TripSpark modules in process of being implemented
 - Time and attendance, paperless routes, field trip processing
 - Where's the bus? app
- Office expansion and remodeling completed
- Joint APS/ACG Committee for Transportation Choices (JCTC) Walk Zone Work Group reviewed all walk zones per School Board Policy 50-5
- JCTC Bus Stop Work Group will develop considerations for bus stop locations
- SB Policies and PIPs will be reviewed and updated
- Kristin Haldeman started on November 6 as Director, Multimodal Transportation Planning