Audit of

School Bus Safety Inspections and Maintenance

September 15, 2023



MISSION STATEMENT

The mission of the School District of Palm Beach County is to educate, affirm, and inspire each student in an equity-embedded school system.

Michael J. Burke Superintendent of Schools

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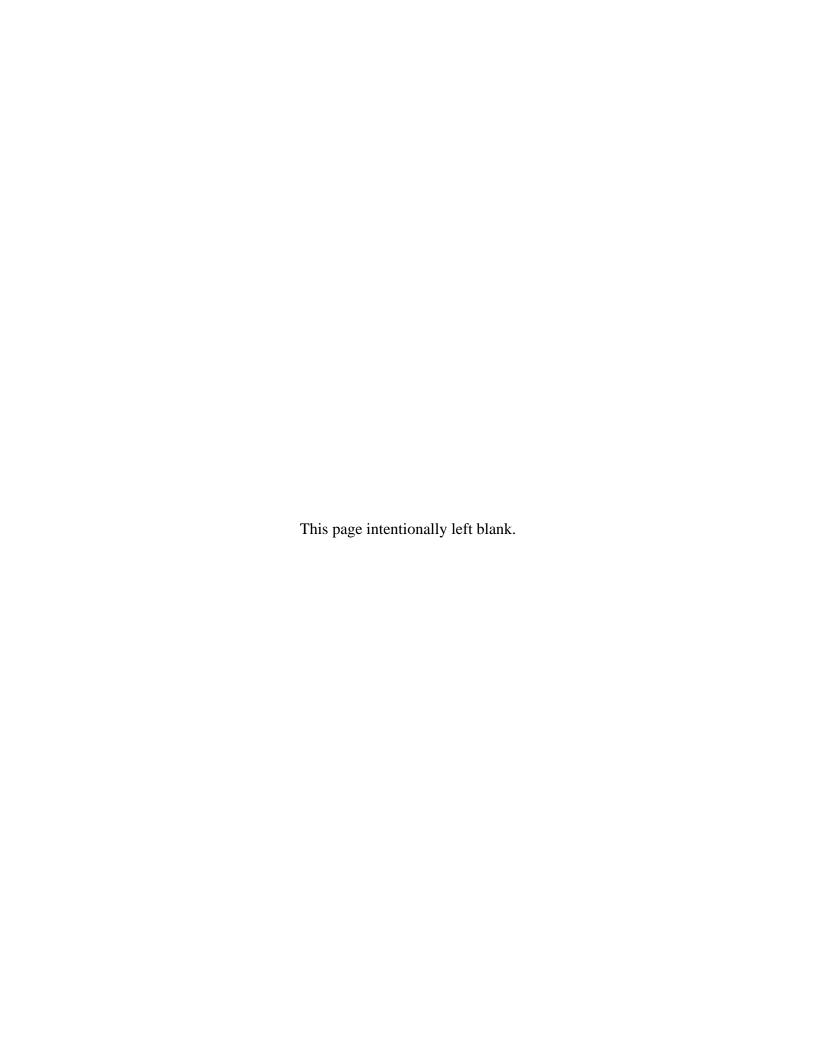
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Audit of School Bus Safety Inspections and Maintenance

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Audit of School Bus Safety Inspections and Maintenance

EXECUTIVE SUMMARY

Pursuant to the *Office of Inspector General's 2022-2023 Work Plan*, we have audited the School Bus Safety Inspections and Maintenance Program. The primary objectives of this audit were to: (1) determine the extent of compliance with the applicable State safety guidelines for school bus safety inspections, and (2) assess the adequacy of District procedures for maintaining and servicing school buses. The audit produced the following major conclusions:

1. Continued Improvements in Maintaining School Bus Safety Devices

The OIG conducted unannounced visits at all six District transportation facilities in April 2023. During the visits, OIG staff and an onsite Transportation staff jointly inspected the Post-trip Passenger Check Systems, Student Crossing arms, Stop Arm Signals, Video Camera Systems, and Wheelchair Lifts, if installed, on the 84 sample buses.¹

Buses With Non-Working Devices Decreased from 65% in 2016 to 2% in 2023. Comparing the results of the April 2023 observations and the previous five observations conducted between May 2016 and March 2022, we noted continued improvements by Transportation in maintaining school bus safety devices in working condition. Specifically, sample buses that had one or more non-working devices decreased from 65% of the sample buses in the May 2016 observations to 2% in the April 2023 observations.

Non-Working Devices Not Reported on the Daily Inspection Reports. Our review of the sample buses' *Bus Driver and Attendant Pre/Post-trip Inspection Reports* (PBSD 0454) for the days of observations found that the *Reports* for the two buses (#6529 at the North Facility and #7231 at the Royal Palm Beach Facility) that had non-working safety devices did not indicate the related devices were not functioning properly.

Management's Response: Management Concurs. Transportation management will continue to ensure all safety devices are in proper operational condition when the buses are transporting students. Transportation Team Leaders will ensure bus drivers correctly record all identified defects of the buses on the Bus Driver Pre/Post trip inspection Reports (PBSD 0454) so that the defects could be timely repaired before returning the affected buses back to service. (See page 15.)

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¹ See *OIG Report #2022-01* for descriptions of the OIG observed safety devices.

2. Mandatory Monthly Safety Inspections Timely Completed by Certified Inspectors, but five (3%) of the 174 Sample School Bus Safety Inspection Forms Missing Some Required Information

Rule 6A-3.0171(8)(c) and .0171(8)(d), FAC, Responsibilities of School Districts for Student Transportation, requires, in part,

(c) "Inspection of buses shall be scheduled and performed at a maximum interval of thirty (30) school days. ..."

And

(d) "School bus inspections shall be conducted by **technicians certified as school bus safety inspectors** in accordance with the State of Florida School Bus Safety Inspection Manual, 2020 Edition. ..." [Emphasis added.]

The OIG requested from Transportation for review a total of 174 School Bus Safety Inspection Forms (Monthly Inspection Forms): (a) the most recent Monthly Inspection Forms for the 84 sample buses we observed during the April 2023 onsite visits and (b) three consecutively completed Monthly Inspection Forms during August 2022 through January 2023 for 30 sample buses (a total of 90 Forms), with five buses from each of the six Transportation Facilities.

- a) <u>Mandatory Safety Inspections Timely Completed</u>. Our review of the 174 <u>Monthly Inspection Forms</u> for the 114 sample buses concluded that: (1) the mandatory monthly safety inspections for the 84 sample buses we observed in April 2023 were last completed within the required 30 school days, and (2) the intervals between consecutive inspections for the remaining 30 sample buses performed during August 2022 through January 2023 were completed within the 30 school days requirement.
- b) <u>Inspections Performed by Certified Inspectors</u>. The 174 sample mandatory safety inspections were completed by 15 inspectors and reviewed by 10 "service managers." Our confirmation with the Florida Department of Education (FLDOE) concluded that the 15 inspectors and the 10 service managers were all FLDOE certified inspectors with valid certifications at the time of inspections.
- c) Five (3%) of the 174 *Monthly Inspection Forms* Missing Some Required Information. Five (3%) of the 174 *Monthly Inspection Forms* had the some required information missing:
 - Four *Monthly Inspection Forms* did not have the service manager's initials/signatures to confirm the inspections were properly completed by a certified inspector.
 - Three *Monthly Inspection Forms* did not have the date the bus was returned to service after inspection.
 - Four *Monthly Inspection Forms* were missing the supervisor's confirmation (on page 3 of the *Forms*) that all the required "MSI (mandatory safety inspection) repairs" had been completed.

d) Required Repairs Recorded in the AssetWorks System. Of the 174 Monthly Safety Inspection Forms, 54 (31%) had noted deficiencies that required the bus to be out of service for repairs. Our review of the AssetWorks System (the District's fleet maintenance management software) concluded all the deficiencies and the required repairs were properly recorded in the system. However, without the service manager's initials/signatures on the Monthly Inspection Forms, there was no assurance that the mandatory safety inspections and the needed repairs were completed prior to returning the bus back to service.

Management's Response: Management Concurs. Management will ensure the School Bus Safety Inspection Form is completed with all the required information. The forms will be reviewed and initialed/signed by the Supervisor/Foreman to confirm all needed repairs have been completed prior to returning the bus to service. (See page 16.)

3. Two Daily Bus Driver and Attendant Pre/Post-trip Inspection Reports were Unavailable; Six Reports Did Not Indicate Completion of Post-trip Inspections

District procedures require bus drivers to perform daily pre- and post-trip inspections and document the inspection results on the *Bus Driver and Attendant Pre/Post-trip Inspection Report* (PBSD 0454) (*Report*).

We requested the *Reports* for the last school day immediately before the OIG's onsite observations for the 84 sample buses we observed. The 84 buses completed a total of 146 trips on the days requested. Transportation was unable to locate the *Reports* for the morning and afternoon trips for one bus (#7555) at the South Facility. Moreover, six (4%) of the available 144 *Reports* did not indicate the post-trip inspections were completed.

Management's Response: Management concurs. Transportation coordinators/supervisors will monitor and review all daily Bus Driver and Attendant Pre/Post-trip Inspection Reports (PBSD 0454) to ensure full compliance with the daily reporting requirement. Transportation staff will continue the effort to ensure that (1) the daily Reports are properly completed and retained, and (2) repairs of defective safety devices, as noted on the Reports, are performed before the buses are put back into service. The department has also launched an initiative to make this process completely automated by August 2023. (See page 16.)

4. No Exceptions for Sample Bus Video Surveillance Recordings

During our March 2022 onsite observations, Transportation was unable to provide 17% of the requested video footage for our review.

During this audit, we requested the video footage for 12 (14%) of the 84 sample buses for the dates and times during our April 2023 observations. Transportation was able to timely provide us with all requested video footage. No exceptions were noted for the video footage.

Management's Response: Management concurs. (See page 16.)

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THE SCHOOL DISTRICT OF PALM BEACH COUNTY, FLORIDA

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MEMORANDUM

TO: Honorable Chair and Members of the School Board

Michael J. Burke, Superintendent of Schools Chair and Members of the Audit Committee

FROM: Teresa Michael, Inspector General

DATE: September 15, 2023

SUBJECT: Audit of School Bus Safety Inspections and Maintenance

PURPOSE AND AUTHORITY

Pursuant to the *Office of Inspector General's 2022-2023 Work Plan*, we have audited the School Bus Safety Inspections and Maintenance Program. The primary objectives of this audit were to: (1) determine the extent of compliance with the applicable State safety guidelines for school bus safety inspections, and (2) assess the adequacy of District procedures for maintaining and servicing school buses.

SCOPE AND METHODOLOGY

This audit was performed in accordance with *Generally Accepted Government Auditing Standards*. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on the audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions.

This audit included onsite observations of selected safety devices on sample buses at the District's six transportation facilities, interviewing staff, and reviewing:

- Rule 6A-3.0171, Florida Administrative Code Responsibilities of School Districts for Student Transportation
 - o **Rule 6A-3.0171(8), Florida Administrative Code** Inspection and maintenance of school buses
- State of Florida School Bus Safety Inspection Manual, 2020 Edition
- Florida School Bus Specifications, Effective January 2023
- School Board Policy 3.21 Safe Operation of District School Buses
- School District's School Bus Drivers and Bus Attendants Handbook, 2021 Edition
- Mandatory school bus safety inspections and maintenance records for sample buses

Details of the audit results were discussed with and provided to the District's Transportation Services Department (Transportation) during the audit. On July 24, 2023, we sent the draft report to the Chief Operating Officer and Transportation for review and comments. On August 29, 2023, the OIG received the management response, which is included in the Appendix. We appreciate the courtesy and cooperation extended to us by staff during the audit. The final draft report was presented to the Audit Committee at its September 15, 2023, meeting.

BACKGROUND

Transportation Services Department

The mission of Transportation is "to deliver students safely, efficiently and on time to their destination in a frame of mind ready to learn." The department is responsible for maintaining both the yellow fleet (school buses) and white fleet (non-school bus vehicles). As of March 22, 2023, the total number of active school buses was 808. (See Table 1.)

Table 1 Number of Active School Buses As of March 22, 2023

	Total	Number of Buses at the Fa	cilities
Transportation Facilities	ESE Buses with Wheelchair Lift	Regular Buses	Total
Central	0	172	172
East	93	19	112
North	35	95	130
Royal Palm Beach	47	86	133
South	61	151	212
West	20	29	49
Grand Total	256	552	808

Source: Transportation Department

To protect the safety of transported students and as mandated by *Rule 6A-3.003*, *Florida Administrative Code*, *Certification as to Specifications of School Buses*, school buses are equipped with certain specialized safety devices specifically designed for school buses. Also, inspection documentation is to be completed as required by the *State of Florida School Bus Safety Inspection Manual*, *2020 Edition* incorporated by reference in *Rule 6A-3.0171*, *Florida Administrative Code* (*FAC*).

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² Source: Transportation's website: https://www.palmbeachschools.org/Domain/498, accessed on July 5, 2023.

CONCLUSIONS

This audit produced the following major conclusions:

1. Continued Improvements in Maintaining School Bus Safety Devices

OIG Onsite Observations of Selected Safety Devices on Sample School Buses. During the audit, the OIG conducted unannounced visits at all six District transportation facilities in April 2023. We selected 84 sample buses comprised about 10% of each facility's active buses from the first buses returning to the facilities after finishing the morning routes between 8:30 a.m. and 10:50 a.m. (See Table 2.)

Table 2
Sample School Buses Observed During Onsite Visits
From April 3, 2023, through April 19, 2023

	Total Number of	Buses at the	Facilities	Number of Samp	ole Buses Observ	ved By OIG
Transportation Facilities	ESE Buses with Wheelchair Lift	Regular Buses	Total	ESE Buses with Wheelchair Lift	Regular Buses	Total
Central	0	172	172	0	17	17
East	93	19	112	9	2	11
North	35	95	130	4	9	13
Royal Palm Beach	47	86	133	6	7	13
South	61	151	212	8	17	25
West	20	29	49	2	3	5
Grand Total	256	552	808	29	55	84

Source: Transportation Department

During the visits, OIG staff and an onsite Transportation staff jointly inspected the Post-trip Passenger Check Systems, Student Crossing Arms, Stop Arm Signals, Video Camera Systems, and Wheelchair Lifts, if installed, on the 84 sample buses.³

Buses With Non-Working Devices Decreased from 65% in 2016 to 2% in 2023. Table 3 summarizes the results of the April 2023 observations and the past five observations conducted between May 2016 and March 2022. The six onsite observations noted continued improvements by Transportation in maintaining school bus safety devices in working condition. Specifically, sample buses that had one or more non-working devices decreased from 65% of the sample buses in the May 2016 observations to 2% in the April 2023 observations.

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³ See *OIG Report #2022-01* for descriptions of the OIG observed safety devices.

The April 2023 observations of the 84 sample buses found two (2%) buses with one non-working device each:

- Bus #7231 at the Royal Palm Beach Facility had the Video Camera LED illuminating red indicating a failure in the network configuration. Subsequently, Transportation found the camera's "cradle point" (which allows the recorded videos on the bus to be downloaded wirelessly), lost connectivity with the router. After Transportation reset the system, we requested from Transportation the video footage for this bus (#7231) for the day before and the day of our observation. Our review of the video footage found the video recording function was working on both days.
- Bus #6529 at the North Facility had a Student Crossing Arm that was not fully extended.
 A Student Crossing Arm mounted to the right front bumper should fully extend perpendicular to the vehicle when the bus is stopped and the red student warning lights are flashing.

Table 3
Results of the Six OIG Unannounced Onsite Observations of Selected Safety Devices on Sample School Buses

Date of OIG	Number of		Number of Buses	s with Non-V	Working Devi	ces
Onsite Observations	Sample Buses Inspected	Camera	Post-Trip Passenger Check System	Student Crossing Arm	Stop Sign Signal Arm	Wheelchair Lift
May 2016 (Report #2017-03)	89 (100%)	6 (7%)	58 (65%)		N/A (Note)	
September 2016 (Report #2017-03)	61 (100%)	2 (3%)	11 (18%)		N/A · ·	
January 2019 (Report #2019-08)	60 (100%)	2 (3%)	5 (8%)	3 (5%)	No Exception	No Exception
September 2021 (Report #2022-01)	90 (100%)	1 (1%)	4 (4%)	4 (4%)	No Exception	No Exception
March 2022 (Report #2022-09)	90 (100%)	1 (1%)	No Exception	No Exception	No Exception	1 (1%)
April 2023 Observations	84 (100%)	1(1%)	No Exception	1(1%)	No Exception	No Exception

Note: Student Crossing Arm, Stop Signal Arm and Wheelchair Lift were not included in the 2016 observations.

Non-Working Devices Not Reported on the Daily Inspection Reports. Subsequent to the onsite observations, we reviewed the sample buses' *Bus Driver and Attendant Pre/Post-trip Inspection Reports* (PBSD 0454) for the days of observations. We found that the *Reports* for the two buses (#6529 at the North Facility and #7231 at the Royal Palm Beach Facility) that had non-working safety devices did not indicate the related devices were not functioning properly.

<u>OIG Observation Results Provided to Staff for Immediate Corrective Actions</u>. To ensure the safety of all students and employees, the OIG provided all observation results to Transportation staff at each facility for immediate corrective actions during the onsite observations.

Recommendation

Transportation should ensure: (1) all safety devices are in proper operational condition when the buses are transporting students, and (2) bus drivers properly record all identified defects of the buses on the *Bus Driver and Attendant Pre/Post-trip Inspection Reports* (PBSD 0454) so that the defects could be timely repaired before returning the affected buses back to service.

Management's Response: Management Concurs.

Transportation management will continue to ensure all safety devices are in proper operational condition when the buses are transporting students. Transportation Team Leaders will ensure bus drivers correctly record all identified defects of the buses on the Bus Driver Pre/Post trip inspection Reports (PBSD 0454) so that the defects could be timely repaired before returning the affected buses back to service.

(*See page 15.*)

2. Mandatory Monthly Safety Inspections Timely Completed by Certified Inspectors, But Five (3%) of the 174 Sample School Bus Safety Inspection Forms Missing Some Required Information

The Florida Administrative Code, Responsibilities of School Districts for Student Transportation, requires, in part,

"Inspection of buses shall be scheduled and performed at a maximum interval of thirty (30) school days..."

And

"School bus inspections shall be conducted by technicians certified as school bus safety inspectors in accordance with the State of Florida School Bus Safety Inspection Manual, 2020 Edition..." Quoting Rule 6A-3.0171(8)(c) and .0171(8)(d), F.A.C. (emphasis added.)

The State of Florida School Bus Safety Inspection Manual, 2020 Edition (Manual), requires the inspections must be documented on the School Bus Safety Inspection Form (Monthly Inspection Form) (see Exhibit A) with the following information before the bus is returned to service: (1) deficiencies identified by the inspector during the safety inspection and the required follow-up repairs, (2) Service Manager's or Delegate's Initials, (3) Inspector's Certification Number, and (4) Bus Returned to Service Date.

OIG Reviewed 174 Sample Monthly Inspection Forms for 114 Sample Buses. The OIG requested from Transportation the most recent Monthly Inspection Forms for the 84 sample buses we observed during the April 2023 onsite visits. In addition, we also obtained from Transportation the three consecutively completed Monthly Inspection Forms for 30 sample buses covering August 2022 through January 2023. These additional 30 sample buses, with five from each of the six Transportation facilities, were randomly selected from the list of

active school buses as of March 22, 2023. A total of 174 (30 x 3 + 84) *Monthly Inspection Forms* for 114 sample school buses were selected for detailed examination.

- a) <u>Mandatory Safety Inspections Timely Completed</u>. Our review of the 174 Monthly Inspection Forms for the 114 sample buses concluded that: (1) the mandatory monthly safety inspections for the 84 sample buses we observed in April 2023 were last completed within the required 30 school days, and (2) the intervals between consecutive inspections for the remaining 30 sample buses performed during August 2022 through January 2023 were completed within the 30 school days requirement.
- b) <u>Inspections Were Performed by Certified Inspectors</u>. The 174 sample mandatory safety inspections were completed by 15 inspectors and reviewed by 10 "service managers." Our confirmation with the Florida Department of Education (FLDOE) concluded that the 15 inspectors and the 10 service managers were all FLDOE certified inspectors with valid certifications at the time of inspections.
- c) Five (3%) of the 174 Monthly Inspection Forms Missing Some Required Information

Our review determined that five (3%) of the 174 *Monthly Inspection Forms* had the following information missing (see Table 4):

- Four *Monthly Inspection Forms* did not have the service manager's initials/signatures to confirm the inspections were properly completed by a certified inspector.
- Three *Monthly Inspection Forms* did not have the date the bus was returned to service after inspection.
- Four *Monthly Inspection Forms* were missing the supervisor's confirmation (on page 3 of the *Forms*) that all required "MSI (mandatory safety inspection) repairs" were completed.

Table 4
Mandatory Safety Inspection Forms Missing Information
During August 2022 through April 2023

Facility	Bus Number	Dates of Safety Inspections	Service Manager's Initials Missing	Return to Service Date not Stated	Missing Supervisor's Review/Confirmation that Repair Work was Completed
South	6022	4/10/2023	X	X	X
South	6058	3/15/2023		X	X
South	7278	3/28/2023	X		X
South	8519	3/31/2023	X		X
East	6563	12/20/2022	X	X	

d) Required Repairs Recorded in the AssetWorks⁴. Of the 174 Monthly Safety Inspection Forms, 54 (31%) had noted deficiencies that required the bus to be out of service for repairs. Our review of the AssetWorks System concluded all the deficiencies and the required repairs were properly recorded in the system. However, without the service manager's initials/signatures on the Monthly Inspection Forms, there is no assurance that the mandatory safety inspections and the needed repairs have been completed prior to returning the bus back to service.

Recommendation

To ensure the safety of students, District employees, and the general public, and in accordance with the *School Bus Safety Inspection Manual*, the *School Bus Safety Inspection Form* should be completed with all the required information. The *Forms* should be reviewed and initialed/signed by the Supervisor/Foreman to confirm all needed repairs have been completed prior to returning the bus back to service.

Management's Response: Management Concurs.

Management will ensure the School Bus Safety Inspection Form is completed with all the required information. The forms will be reviewed and initialed/signed by the Supervisor/Foreman to confirm all needed repairs have been completed prior to returning the bus to service.

(See page 16.)

3. Two Daily Bus Driver and Attendant Pre/Post-trip Inspection Reports Unavailable; Six Reports Did Not Indicate Completion of Post-trip Inspections

Pursuant to Rule 6A-3.0171(2)(g)3.s., F.A.C. - Responsibilities of School Districts for Student Transportation, all bus drivers are required, in part,

"To inspect the bus at least daily prior to the beginning of the first daily trip or more often as required by the school district and to report any defect affecting safety or economy of operation immediately to authorized service personnel..."

District procedures require bus drivers to perform daily pre- and post-trip inspections and document the inspection results on the *Bus Driver and Attendant Pre/Post-trip Inspection Report* (PBSD 0454) (*Report*). (See Exhibit B.)

We requested the *Reports* for the last school day immediately before the OIG's onsite observations for the 84 sample buses we observed. The 84 buses completed a total of 146 trips on the days requested. Transportation was unable to locate the *Reports* for the morning and afternoon trips for one bus (#7555) at the South Facility.

⁴ Asset Works is the District's fleet maintenance management computer system used for, among other things, tracking school bus repairs.

Our review of the available 144 *Reports* revealed six (4%) *Reports* did not indicate the post-trip inspections were completed. (See Table 6.)

Table 6
Bus Driver and Attendant Pre/Post-trip Inspection Reports

Transportation Facility	Pre/Post Trip Report Date	Number of Sample Buses Inspected	Number of Trips (Note)	Pre/Post-trip Inspection Report Missing	Post-trip Inspection Not Completed
East	April 18,2023	11	18	2	3
North	April 3, 2023	13	22	_	_
South	April 10,2023	25	42	_	_
Central	April 13, 2023	17	28	_	3
Royal Palm	April 5, 2023	13	24	_	_
West	March 31, 2023	5	12	_	_
Total		84	146 (100%)	2 (1%)	6 (4%)

Note: Six buses completed only one trip and eight buses did not transport students

Recommendation

Transportation coordinators/supervisors should monitor and review all daily *Bus Driver and Attendant Pre/Post-trop Inspection Reports* (PBSD 0454) to ensure full compliance with the daily inspections and reporting requirements. Transportation should ensure that (1) the daily *Reports* are properly completed and retained, and (2) repairs of defective safety devices, if any, as noted on the *Reports* are properly completed before the buses are returned to service.

Management's Response: Management concurs.

Transportation coordinators/supervisors will monitor and review all daily Bus Driver and Attendant Pre/Post-trip Inspection Reports (PBSD 0454) to ensure full compliance with the daily reporting requirement. Transportation staff will continue the effort to ensure that (1) the daily Reports are properly completed and retained, and (2) repairs of defective safety devices, as noted on the Reports, are performed before the buses are put back into service. The department has also launched an initiative to make this process completely automated by August 2023.

(See page 16.)

4. No Exceptions for Sample Bus Video Surveillance Recordings

Transportation and School Police are the primary users of the school bus video footage to monitor and review behavior and activity inside the bus, as needed. During our March 2022 onsite observations (*OIG Report #2022-09*), Transportation was unable to provide 17% of the requested video footage for our review.

During this audit, we requested the video footage for 12 (14%) of the 84 sample buses for the dates and times during our April 2023 observations. Transportation was able to timely provide us with all requested video footage. No exceptions were noted for the video footage.

Management's Response: Management concurs.

(See page 16.)

- End of Report -

Exhibit A School Bus Safety Inspection Form (Page 1 of 4)

A BEVOHOOR.	THE SCHOOL DISTRICT (SCHOOL BUS SAFETY		UNTY	
tus Code	Bus #: Mileage: Hours: _	WO#:CEN-	Date: /	1
= Item OK				
= Needs Repair (or as noted)	Chassis/Body:/	Canacity	Model Year	
= Out of Service = Not Applicable	:	Сараску.	Woder real.	
- Not Applicable		V N-		
	Shop Location: Central Lift Equipped:		COMMENTS	Tech
Code	INSPECTION ITEMS		pecific Deficiencies)	Init.
A. INSI	DE BUS (REQUIRED)			
	gency Equipment – Fire Extinguisher (pressure/tag/mount), First	Aid Kit,		
	Fluid Cleanup Kit and Roadside Reflectors stration and Insurance Card			+
	al Safety Switch, Shifter and Noise Abatement Switch			+
	e Controls – Key Switch, Accelerator and Engine Shutdown			+-
	es, Indicators, Dash and Switch Panel Lights, Engine Warning			+-
Light	ts/Buzzers and ABS Warning Light			
	rake System – Gauge(s), Build-Up, Governor, Park Brake, stment, Air Leaks, Low Air Warning, PP-1 Pop-Off and Pedal			
7. Hydra	aulic Brakes – Warning Light, Gauge, Pedal, Travel and Fade			\top
-	er Assist and Park Brake			+
	shield Wipers and Washers – Operation, Park and Blades			
	rs, Defrosters, Auxiliary Dash or Header-mounted Fan(s)			
	e and Step Well Lights			
11. Servi	ice Door – Operation, Control and Overhead Pad			_
12. Horn	s – Operation, Sound (High Horn)/(Low Horn) and Horn Switch			
13. Mirro	or Adjustment and Condition – Rear vision, Cross-view, Side-vie	w and Interior		
	er's Seat and Seat Belt – Color, Condition, Mounting and Operation			
	enger Seats – Frames, Mounting, Pads, Cuts, Bottoms, Modesty els, Stanchions, Passenger Securement Devices and Webbing Cu			
_	rgency Doors, Windows, Hatches and Passenger Check Syste			+-
	ration, Buzzers, Labeling and Overhead Pad; (supplemental Inspection re			
17. Wind	Ishield, Side and Rear Windows – Cracks, Fogging, Latches and	d Visor		
18. Whee	elchair Lift, Door and Securement System (if equipped - lubricate at ex	ach inspection interval)		
19. 2 Wa	y Radio Operation, P.A. Systems, GPS and Video (supplemental In	spection as required)		
20. Interi	or Wiring, Cab Hoses and Fire Wall Seals			
	eral Condition of Bus Interior – Floor, Step Well, Grab Rail(s), Pa m Mounting, Loose Objects, Dog House/Engine Cover and Clean			
	SIDE BUS (REQUIRED)	iniess		
1. Headl	lights, Turn Signals, Hazard Lights, Brake Lights, Tail Lights, up Lights, Backup Alarm, Back up Alarm Dash Sticker and Parl			
	ance, Side Marker, ID Lights, Reflectors and Strobe Light			\top
3. Pupil	Warning Lights — (see eight light warning system chart on page 76)			\top
4. Stop	Arm(s) and Student Crossing Arm – Wiring, Air or Vacuum Leal	k and Decal		1
5. Gener	ral Condition of Bus Exterior – Mirrors, Bumpers, Body Damage ctive Marking, Lettering, Emergency Door, Engine Hood and Clea	e, Paint,		
C. ENG	INE COMPARTMENT (REQUIRED)			
	ing – Play, Column, Steering Gear Box Mounting, Pitman Arm, Link, Steering Arm, Tie Rod & Tie Rod Ends and Idler Arm			
2. Batter	ries – Slide Tray, Hold Down, Terminals, Cables, Cleanliness & Lo	oad Test (optional)		
	Levels and Condition – Brake Fluid, Power Steering Fluid, Oil, T Windshield Washer Fluid, Coolant (Antifreeze°F) and D			
4. Belt(s) & Hose(s) - Tightness, Condition, Routing, Alignment, Clamps	& Connections		
5. Acces	ssory Mounting and Condition – Power Steering Pump, Air Com	pressor & Filter,		

6. Wiring - Routing and Condition

Exhibit A School Bus Safety Inspection Form (Page 2 of 4)

			fic Deficiencies)	Init.
!	7. Fuel System and Lines			
	8. Radiator - Mounting, Condition, Cap (pressure test required) ,Reservoir and Fan Shroud			\top
	D. UNDERNEATH BUS (REQUIRED)			
	Front Suspension – Wheel Bearings, I-Beam, King Pins, Shackles, Spring Mounts, Pins & Bushings, A-Frames & Bushings, Ball Joints, U-Boits, Shock Absorbers, Springs and Wheel Seals			Т
	Front Brakes – Hoses, Lines, Chambers, Slack Adjusters, Push Rods, Linings, Disc Brake Pads, Drums, Rotors, Wheel Cylinders or Calipers, Adjust MSA Equipped Brakes; <u>Do not</u> adjust brakes equipped with ASAs (Automatic Slack Adjusters)			
\neg	Engine Mounts, Transmission Mounts and Starter Mounting.			+-
-	4. Transmission – Boits, Linkage, Lines, Filter and Cooler			+-
$\overline{}$	5. Fluid Leaks - Oil, Coolant, Transmission, Power Steering and DEF			+-
\dashv	6. Fuel and DEF Tank – Leaks, Mounting, Hoses and Wiring			+-
-	Brake Equipment – ABS, Lines, Valves, Reservoir Mounting and Bleed Reservoirs			+-
	Driveline – Drive Shafts, U-Joints, Yokes, Hanger Bearings, Guards and Driveshaft Parking Brake			+
	 Rear Suspension – Axie Housing, Vent, Differential, Springs, U-Boits, Shock Absorbers, Shackles, Pins & Bushings, Hangers, Seals and Wheel Bearings 			1
	 Rear Brakes – Hoses, Lines, Chambers, Slack Adjusters, Push Rods, Linings, Disc Brake Pads, Drums, Rotors, Wheel Cylinders or Calipers, Adjust MSA Equipped Brakes; <u>Do not</u> adjust brakes equipped with ASAs (Automatic Slack Adjusters) 			
	 Body Securement & Structure – Hold Downs, Floor, Outriggers, Braces, Skirts, Mud Flaps and Chassis Frame Ralls 			
]	12. Exhaust Systems – Leaks, Mounting, Muffler & DPF, DEF Components and Talipipe			
	 Wheels and Tires – Tread Depth, Pressure, Damage, Matching, Alignment and Wheel Hardware 			
	E. LUBRICATION & MAINTENANCE (REQUIRED and OPTIONAL)			
	Change Oil and Replace Oil Filter(s) Quarts			
	2. Replace Fuel Filter(s) Primary/Secondary and Drain Separator			
	Replace Transmission Filter(s) Quarts			
	Replace Air Compressor Filter (if applicable)			Т
	Replace Power Steering Filter Pints			
	6. Replace Engine Air Cleaner Filter			T
	7. Coolant System Service; Replace Coolant and Filter (if applicable)			
	Test Starting and Charging System			1
\neg	Lubricate Chassis and Body (as needed) Pounds			+-
	 Air Conditioning - A/C system service and supplemental inspection required as per District procedure(S) [dean and for change A/C filters at each inspection interval - parts on Repair WO's only] 			
	F. ROAD TEST (REQUIRED)			
	Brake Performance - Park Brake, Stopping Distance and Equalization			
	2. Engine, Transmission and Driveline – Engine Performance & Governor, Shifting			
	3. Steering & Handling – Free Play, Power Assist, Turning Radius, Column & Tracking			
omm	nents: Depth	/ Pressure	Depth / Pre	ssure
		PSI	RRO/32 _	P
		PSI	RRI/32 _	PS
		PSI	LRI/32 _	PS
	LFLF	2 PSI	LRO/32 _	PS
NOTE	E: Follow the manufacturer's inspection and maintenance procedures for all installed equipme	nt not noted on this fo	rm. Make notes in Co	mments.
PECTO	OR'S SIGNATURE INSPECTOR'S CER	TIFICATION NUME	BER: 50	
	MANAGER'S OR DELEGATE'S INITIALS: BUS RETURNED TO	O CEDUICE DATE.	, ,	

Exhibit A School Bus Safety Inspection Form (Page 3 of 4)

(DOMETER	! <u> </u>		HOUR MET	ER:		_	
IB WORK	ORDER #:		<u>-</u> -					
TASK ID	Task	ID Des	scription	WAC*	Date	Employee Number	Comment(s)	Labor Time
000-MSI	MANDATO	RY SAFET	TY INSPECTION	ИС				
00-SIF	SUPPLEME	ENTAL INS	SPECTION FO	ORM				
00-WCI	WHEEL CH	IAIR LIFT	INSPECTION	- + +	forte Assamali	ahad Cadal as a listin	na bottom of this no as	
	Can th	ne bus be	e placed ba				ng bottom of this page Yes	
		Are fol	low up repa	irs necessa	ry?	No \	Yes	
******	*****	*****	*****	*****	*****	*****	*******	******
IR WO	RK ORDE	R #:	CEN -			*********	· [
MSI repa	airs comp	leted? 1	Vo 📗	Yes		ľ	or Foreperson's use only*** mpleted? No	Yes
	Parts ne			Yes	-		ompleted date:	
T (D			Employee			8		Labo
Task ID	WAC	Date	Number	Air Cond	65	laint / Cause Service (clean	and or change A/C filte	ers)
1 000-A	cs				rvice due	at inspection		
2				Correction	•			
3								
4								
5								\perp
6								
7								
8								
9	5							
10								-

Exhibit A School Bus Safety Inspection Form (Page 4 of 4)

Status	Code Indicators $$ = Item OK	X = Needs Repair N/A = Not Ap	plicab
Air	Conditioning Preventive Maintenance (E.10)	- Required according to District proced	dures
Status Code	Inspection Item	Comments (Note Specific Deficiencies)	Med
. 1	000-ACS – Air Conditioning Service Clean and/or change A/C filters	1 1	
	Compressor(s) Clutch, Mounting leaks Noise		
	Compressor Drive Belt(s) Tension, Condition, Routing		
3, 4	Condenser Coil(s) Condition, Debris, Mounting, Leaks		
	Condenser Fan(s) Operation, Debris, Mounting, Wiring	5. 1	
•	Evaporator Drain Line(s) Restrictions		
	Evaporator Cell(s) & Inlet Air Filter(s) Condition, Cleanliness, Leaks		
	Evaporator Fan(s) and Housing(s) Operation, Leaks, Mounting	v v z v	
	Overall System Performance Noisy, Not Working, Blows Hot, Blows Warm, Other		
	Post-Trip Passenger 0		
Status Code	Inspection Item	Comments (Note Specific Deficiencies)	Med
12	System Functionality - Armed Wiring, fuses, connections	1	
	System Functionality - Activated Horn is blowing and the lights are flashing	· i	
al .	System Functionality - Deactivated Disarm switch at rear of bus operates as specified		
	Mobile Surveilland	The restor a section of the section	
Status Code	Inspection Item	Comments (Note Specific Deficiencies)	Med In:
	(Angel Trax) LED Panic Light Amber light on panic button flashing rapidly		
	(Seon) LED Panic Light Amber light or Panic button solid		
	Camera angles – must use monitor to check Camera fixed in position		
	Camera Lenses Clean, no obstructions		*
	DVR Present, Recording, Locked		
	Synovia GPS (A.19) [verified by \$	Shop Supervision or designee]	507
Status	Inspection Item	Comments (Note Specific Deficiencies)	Med

Exhibit B Bus Driver and Attendant Pre/Post-trip Inspection Report

Vehicle #	Bus Driver a		r/Ending#	Time/Pre-	-trip	Time/Post-trip		Date
CHECK PR 1. Brake: 2. Lights 3. Horn 4. Wiper: 5. Gauge 6. Heate: 7. Defros 8. Seats 9. Engine 10. GPS SHOP REP Bus in servi	12. Emergency Do 13. Emergency Eq 14. Emergency Ex 15. Steering 16. Tire condition 17. Rims; Seals; Li 18. Fluid Leaks 19. Transmission 20. Camera Syster	or uipment it Buzzer ug nuts	21. Air Leaks 22. Fuel Odor 23. Exhaust F 24. Muffler; Ti 25. Student N 26. Exterior N 27. Body Den 28. Stop Sign 29. Crossing J 30. Child Aler	r Fumes ail Pipe Airror Airrors ats Arm		Back ter(s) elts Studt. ats Vests chair Occupant ty System	1. A 2. S 1c 3. D 4. S a 5. E 6. C 7. E 8. C	POST-TRIP Ill electrical systems off dearched for children/ sot items displayed empty sign evept floor; cleaned bus as needed imptied trash can closed all windows, natches and doors exterior has no leaks or new damage checked tire condition; ig nuts
PBSD 0454 (R	Rev. 7/20/2016)				Signature	of Driver		Date
	Bus Driver a		ool district				Repor	t
Vehicle #	Bus Driver a	and At			st-trip Ins			Date
	Bus Driver a Odometer/Beginning # RE TRIP DEFECTS s	Odomete Odomete dshield oor uipment it Buzzer ug nuts	tendant P	Time/Pre- Time/P	st-trip Ins	Time/Post-trip Time/Post-trip Inditioning Back Inditioning Studt. Inditioning Student Studt. Inditioning Studt. Inditioning Studt. Inditioning Studt. Inditioning Studt. Inditioning Studt. Inditioning Student Stud	CHECK 1. A 2. S 3. D 4. S 5. E 6. C 7. E 8. C	

Management's Response



THE SCHOOL DISTRICT OF PALM BEACH COUNTY, FL

JOSEPH M. SANCHES, MBA CHIEF OPERATING OFFICER MICHAEL J. BURKE SUPERINTENDENT

RECEIVED

AUG 29 2023

INSPECTOR GENERAL

CHIEF OPERATING OFFICE 3330 FOREST HILL BOULEVARD, B-302 WEST PALM BEACH, FL 33406-5869

PHONE: 561-357-7573 / FAX: 561-357-7569 <u>WWW. PALM BEACHSCHOOLS.ORG</u>

TO:

TERESA MICHAEL
INSPECTOR GENERAL

FROM:

DATE:

JOSEPH M. SANCHES, MBA CHIEF OPERATING OFFICER

AUGUST 22, 2023

SUBJECT:

MANAGEMENT RESPONSE - SCHOOL BUS SAFETY INSPECTIONS AND MAINTENANCE

AUDIT

Following is the Management response to the School Bus Safety Inspections and Maintenance (April 2023).

1. Continued Improvements in Maintaining School Bus Safety Devices

Recommendation:

Transportation should ensure: (1) all safety devices are in proper operational condition when the buses are transporting students, and (2) bus drivers properly record all identified defects of the buses on the Bus Driver and Attendant Pre/Post-trip Inspection Reports (PBSD 0454) so that the defects could be timely repaired before returning the affected buses back to service.

Management's Response:

Management Concurs

Transportation management will continue to ensure all safety devices are in proper operational condition when the buses are transporting students. Transportation Team Leaders will ensure bus drivers correctly record all identified defects of the buses on the Bus Driver Pre/Post trip inspection Reports (PBSD 0454) so that the defects could be timely repaired before returning the affected buses back to service.

The School District of Palm Beach County, Florida A Top High-Performing A-Rated School District An Equal Opportunity Education Provider and Employer

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Management's Response

Page 2 of 3

August 22, 2023

Management Response- School Bus Safety Inspections and Maintenance Audit

2. Mandatory Monthly Safety Inspections Timely Completed by Certified Inspectors, But Five (3%) of the 174 Sample School Bus Safety Inspection Forms Missing Some Required Information

Recommendation:

To ensure the safety of students, District employees, and the general public, and in accordance with the School Bus Safety Inspection Manual, the School Bus Safety Inspection Form should be completed with all the required information. The Forms should be reviewed and initialed/signed by the Supervisor/Foreman to confirm all needed repairs have been completed prior to returning the bus back to service.

Management's Response:

Management Concurs

Management will ensure the School Bus Safety Inspection Form is completed with all the required information. The forms will be reviewed and initialed/signed by the Supervisor/Foreman to confirm all needed repairs have been completed prior to returning the bus to service.

3. Two Daily Bus Driver and Attendant Pre/Post-trip Inspection Reports Unavailable; Six Reports Did Not

Recommendation:

Transportation coordinators/supervisors should monitor and review all daily Bus Driver and Attendant Pre/Posttrip Inspection Reports (PBSD 0454) to ensure full compliance with the daily reporting requirement. Transportation should ensure that (1) the daily Reports are properly completed and retained, and (2) repairs of defective safety devices as noted on the Reports are performed before the buses are put back into service.

Management Response:

Management concurs.

Transportation coordinators/supervisors will monitor and review all daily Bus Driver and Attendant Pre/Post-trip Inspection Reports (PBSD 0454) to ensure full compliance with the daily reporting requirement. Transportation staff will continue the effort to ensure that (1) the daily Reports are properly completed and retained, and (2) repairs of defective safety devices, as noted on the Reports, are performed before the buses are put back into service. The department has also launched an initiative to make this process completely automated by August 2023.

4. No Exceptions for Sample Bus Video Surveillance Recordings

Management Response:

Management concurs.

C: Shane Searchwell, Director, Transportation Services

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