REPORT NUMBER: 120-MGA-07-005

SAFETY COMPLIANCE TESTING FOR FMVSS NO. 120 TIRE SELECTION AND RIMS FOR MOTOR VEHICLES WITH A GVWR OF MORE THAN 4,536 KG

MID BUS INC.
2006 MID BUS GUIDE DW SCHOOL BUS
NHTSA NO.: C60901

PREPARED BY:
MGA RESEARCH CORPORATION
5000 WARREN ROAD
BURLINGTON, WI 53105

FINAL REPORT DATE: JULY 13, 2007

FINAL REPORT

PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
MAIL CODE: NVS-220
1200 NEW JERSEY AVENUE, S.E.
WASHINGTON, D.C. 20590

Prepared by: _____ Date: July 13, 2007
James Hansen, Project Engineer

Reviewed by: _____ Date: July 13, 2007
Michael Janovicz, Program Manager

FINAL REPORT ACCEPTED BY OVSC:

Theresa M. Lacouture

July 13, 2007
Date of Acceptance

Technical Report Documentation Page

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4. Title and Subtitle Final Report of FMVSS 120 Compliance Testing of 2006 Mid Bus Guide DW School Bus NHTSA No.:C60901		*5. Report Date* July 13, 2007 *6. Performing Organization Code* MGA
7. Author(s) James Hansen, Project Engineer Michael Janovicz, Program Manager		*8. Performing Organization Report No.* MGA-DOT-120-07-005
9. Performing Organization Name and Address MGA Research Corporation 5000 Warren Road Burlington, WI 53105		*10. Work Unit No.* *11. Contract or Grant No.* DTNH22-02-D-01057
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance Mail Code: NVS-220 1200 New Jersey Avenue, S.E. Washington, D.C. 20590		*13. Type of Report and Period Covered* Final Report 05/07/07 – 07/13/07 *14. Sponsoring Agency Code* NVS-220
15. Supplementary Notes		

16. Abstract

A compliance test was conducted on the subject 2006 Mid Bus Guide DW School Bus, NHTSA No. C60901, in accordance with FMVSS 120, "Tire selection and rims for motor vehicles with a GVWR of more than 4,536 kilograms," and TP-120-03. The vehicle was weighed in the unloaded and fully loaded conditions and its tires, rims, and related information were checked.

Test failures: None

17. Key Words Compliance Testing Safety Engineering FMVSS 120		*18. Distribution Statement* Copies of this report are available from: NHTSA Technical Information Services (NPO-411) 1200 New Jersey Ave., S.E. Washington, DC 20590 Email: tis@nhtsa.dot.gov FAX: 202-493-2833	
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Form DOT F1700.7 (8-72)

TABLE OF CONTENTS

SECTION 1
PURPOSE OF COMPLIANCE TEST

The purpose of this test report is to document the results of tests performed on a MY 2006 Mid Bus Guide DW School Bus, NHTSA No.: C60901, in accordance with the requirements stated in Federal Motor Vehicle Safety Standard (FMVSS) No. 120, " Tire selection and rims for motor vehicles with a GVWR of more than 4,536 kilograms."

This standard establishes requirements to ensure that applicable vehicles are equipped with tires of adequate size and load rating and rims of appropriate size and type designation.

SECTION 2
TEST PROCEDURE AND DISCUSSION OF RESULTS

Testing of the 2006 Mid Bus Guide DW School Bus, NHTSA No. C60901 was conducted at MGA Research Corporation in accordance with NHTSA TP-120-03, dated April 10, 2000 and MGA-TP-120-03 dated November 20, 2002. The vehicle mounted tires and rims were surveyed to ensure that the rims were suitable for the tires and that the tires inflated to the maximum inflation pressure stated on the tire sidewall were appropriate for the vehicle's certified Gross Axle Weight Ratings (GAWR). The vehicle certification and tire information labeling was surveyed to ensure that the vehicle manufacturer's recommended rims were suitable for the recommended tires, and that the recommended tires inflated to the recommended inflation pressures stated on the labeling were appropriate for the vehicle's certified GAWRs. The vehicle was ballasted and weighed in three different loading conditions to determine if axle or tire overloading could occur. The three loading conditions were:

Condition 1 – Unloaded Vehicle Weight (UVW).
Condition 2 – Vehicle in Condition 1 state plus the addition of ballast to simulate twenty-eight passengers, (one adult driver, twenty-seven students)
Condition 3 – Vehicle in Condition 2 state plus the addition of ballast to simulate cargo loading. Target vehicle load is the certified gross weight rating (GVWR).

The vehicle mounted tires inflated to the inflation pressure labeled on the tire sidewall have a load rating appropriate to carry the maximum loads as required by FMVSS No. 120. The vehicle rims are suitable for the vehicle tires and contain the required markings.

SECTION 2…continued

TEST PROCEDURE AND DISCUSSION OF RESULTS

Model Year/Mfr. /Make/Model:	2006 Mid Bus Guide DW	
Incomplete Vehicle Make/Model:	Chevrolet / CSD-7450-C-063336	
NHTSA No.:	C60901	
GVWR:	5,579 KG / 12,300 lbs	
Build Date for Bus Chassis:	04/06	
VIN:	1GBJG31U461237309	
Chassis VIN:	1GBJG31U461237309	
Designated Seating Capacity:	(1 Driver, 27 Passengers)	
Vehicle Type:	School Bus	
Tire Pressure from certification label (at capacity):	Front: 450 KPa	Rear: 450 KPa
Odometer Reading:	450 Miles	
Dealer Installed Optional Accessories	None Noted	

SUMMARY

Requirements	PASS/FAIL
TIRE AND RIM SELECTION (S5.1) Installed tires and rims are suitable for vehicle	**PASS**
Rim Marking (S5.2) Rims contain all required markings of proper dimensions	**PASS**
LABEL INFORMATION (S5.3) Vehicle has proper certification/tire information label. Label tires at recommended inflation pressure and rims are suitable for vehicle.	**PASS**
Weight Distribution (49 CFR 567 Certification) Vehicle loaded with occupants and cargo does not exceed GVWR	**PASS**
Results: Test data indicates compliance with FMVSS 120	**PASS**

SECTION 3

COMPLIANCE TEST DATA

DATA SHEET 1
GENERAL TIRE AND RIM DATA

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

GENERAL DATA

Tire Type: (Passenger car or other)	Light Truck
Are the tire and rim sizes the same for all axles, including the spare?	Yes
Does the tire size fitted to the axles appear on the Certification or Tire label? (If NO, describe)	Yes
Number of axles	2
Dual tires on rear axle(s)	Yes

TIRE DATA FROM SIDEWALL

	Right Front	Spare
Manufacturer	Uniroyal	N/A
Brand	Laredo	N/A
Tire Size	LT225/75R16	N/A
Maximum Tire Load Rating (KG)	Single: 1060 Dual: 975	N/A
De-rated Tire Load Rating (KG)	N/A	N/A
Maximum Inflation Pressure (KPA)	450	N/A
Tire has DOT symbol (Yes/No)	Yes	N/A
DOT serial number	DOT M31L JH3U 1306	N/A

MOUNTED TIRE VS. AXLE RATING COMPARISON
(AT SIDEWALL MAXIMUM INFLATION PRESSURE)

	Front Axle	Rear Axle
A. GAWR (KG) from certification label	1951	3901
B. (No. of tires) x (tire load rating (KG) from above table)	2120	3900
C. Is “B” equal to or greater than “A”? (Yes/No)	Yes	No*

* The rear GAWR, listed in KG, exceeds the tire load rating for this axle by one kilogram. However, when listed in pounds, the GAWR and tire load ratings are equal. The sum of tire load ratings for this axle is 8,600 lbs. The GAWR is 8,600 lbs. Because this is clearly a unit conversion issue, this is not considered a failure.

DATA SHEET 1…continued
GENERAL TIRE AND RIM DATA

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

RIM MARKINGS

	Right Front	Spare
A. Source of published dimensions (letter designation)	T	N/A
B. Rim Size	16 X 6½ J	N/A
C. Does rim contain DOT symbol? (Yes/No)	Yes	N/A
D. Manufacturer's name, symbol or trademark (copy format)	Accuride	N/A
E. Date of manufacture or symbol	01 11 06	N/A
Do items A-C appear on weather side of rim? (Yes/No)	Yes	N/A
Letter height (not less than 3mm)	4 mm	N/A
Lettering (impressed or embossed)	Impressed	N/A
Are all rim markings legible? (Yes/No)	Yes	N/A
Do all markings comply with requirements? (Yes/No)	Yes	N/A
Rims are suitable for tires on vehicles? (Yes/No)	Yes	N/A

RIM MEASUREMENTS

	Right Front	Spare
Rim width	165.1 mm	N/A
Rim diameter	406.4 mm	N/A
Rim measurements same as rim markings? (Yes/No)	Yes	N/A

Results	Pass/Fail
TIRE AND RIM SELECTION (S5.1) Installed tires and rims are suitable for vehicle	**PASS**
Rim Marking (S5.2) Rims contain all required markings of proper dimensions	**PASS**

Remarks: None

Tested : _____ Approved By: Michael Janosz

Date: 05/07/07

DATA SHEET 2
CERTIFICATION AND TIRE LABEL INFORMATION

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

LABEL INFORMATION

Label in English? (Yes/No)	Yes
Block capital letter and numbers are not less than 2.4 mm in height (yes/no):	Yes
Label is permanently affixed; describe method of affixing (rivets, glue, etc.)	Yes/ Glue
Does label text color contrast with background? (yes/no)	Yes
Location of Label(s) on the vehicle:	On the Driver's Side Door

TIRE AND RIM DATA FROM LABEL (FOR EACH GAWR/GVWR)

GVWR: **5579** KG	Front Axle	Rear Axle
Tire Size	LT225/75R16D	LT225/75R16D
Rim Size	16 X 6½ J	16 X 6½ J
Recommended inflation pressure (KPa)	450	450
Are labeled rims suitable for labeled tires (Yes/No)[1]	Yes	Yes
Referenced load rating at label recommended inflation pressure (KG)[1]	1060	975

[1] Referenced source for tire/rim match and load rating data: 2007 Year Book Tire & Rim Assoc.

CERTIFICATION/TIRE LABEL MAXIMUM CAPACITY COMPARISON

GVWR: **5579** KG	Front axle	Rear Axle
A.GAWR (KG) FROM CERTIFICATION LABEL	(C) 1951	(D) 3901
B.(No. of tires) x (Tire load rating (KG))	2120	3900
Is "B" equal or greater than "A"? (Yes/No)	Yes	No
Is (C) plus (D) equal to or greater than GVWR? (Yes/No)	Yes	

RESULTS	PASS/FAIL
LABEL INFORMATION (S5.3) Vehicle has proper certification/tire information label. Label tires at recommended inflation pressure and rims are suitable for vehicle.	**PASS**

Tested By: _____ Approved By: Michael Janosz

Date: 05/07/07

DATA SHEET 3
WEIGHT DISTRIBUTION

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

FLUID LEVELS	
Fuel:	FULL
Coolant:	FULL
Other Fluids: Washer fluid, brake fluid, etc.	FULL

TIRE PRESSURES				
Tire	Left Front	Right Front	Left Rear	Right Rear
Tire Pressure (KPa)	450	450	450	450

OCCUPANT AND CARGO LOADS	
Total Occupant Load (KG): [# of designated seating positions x 68 KG per adult or 54 KG per student]	1526 (1-driver, 27-students)
Manufacturer's Rated Cargo Load (KG): [If not stated on vehicle or provided in owner's manual leave blank]	N/A
Certified GVWR - Measured UVW - Total Occupant Load = Rated Cargo Load 5,579 KG - 3,596 KG - 1,526 KG = 457 KG (must be positive)	
Describe Placement of Cargo:	Down Center aisle

WEIGHT DISTRIBUTION

ITEM	Tire or Vehicle Rating* (KG)	CONDITION 1 UVW (KG)		CONDITION 2 Cond. 1 + occupants (KG)		CONDITION 3 Cond. 2 + cargo (KG)	
		Measured	Overload	Measured	Overload	Measured	Overload
Left Front Tire	1060	728	No	752	No	760	No
Right Front Tire	1060	734	No	798	No	808	No
Front Axle	1951	1462	No	1550	No	1568	No
Left Rear Tire	1950	1094	No	1784	No	2004	Yes
Right Rear Tire	1950	1040	No	1802	No	2002	Yes
Rear Axle	3901	2134	No	3586	No	4006	Yes
Total Vehicle	5579	3596	No	5136	No	5574	No

* Vehicle and axle weight ratings (GVWR & GAWR) are located on the vehicle certification label plate. Vehicle tire load ratings are based upon the inflation pressure specified on the certification label plate for each respective axle, as determined from the appropriate tire manufacturer's specification table.

DATA SHEET 3…continued
WEIGHT DISTRIBUTION

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

RESULTS	PASS/FAIL
Weight Distribution (49 CFR 567 Certification) Vehicle loaded with occupants and cargo does not exceed GVWR	**PASS**

Remarks: None

Tested By: _____ Approved By: _____
Date: 05/07/07

SECTION 4

INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

	Digital Caliper	Vehicle Scale	Tape Measure
Make	Mitutoyo	GSE	Stanley
Model	CD-6" CS	Pro-Weigh 84	Powerlock
Serial # (s)	0441288	004804	SN 278
Range	0-150mm	0 to 20,000 lb	0-8 m
Accuracy	.01mm	0.25% static	1 mm
Cal. Date	09/11/06	09/11/06	09/26/07
Cal. Due Date	09/11/07	09/11/07	03/26/07

SECTION 4…continued

INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

SCALE CALIBRATION SHEET

Confidential **REPORT OF INSPECTION AND CALIBRATION** *Trade Secret*

Operating Under A2LA Accreditation #2006.01; Performed by **Certified Scale Inc.** N57 W13640 Carmen Avenue, Menomonee Falls, WI 53051. As Directed by **MGA Research Corporation**

TYPE DIGITAL FLOOR CLASS IIIL MODEL 465 CAPACITY 20,000
MANUFACTURER GSE SERIAL # 004804 ID# NONE MAX. LOAD 15,000
LOCATION BUS AND TRUCK BAY 1 MINIMUM DIVISION 5 UNITS Lbs.

TEST AND UNCERTAINTY PROCEDURE JUSTIFICATION

PLEASE REFER TO TEST JUSTIFICATION AND UNCERTAINTY POLICY MADE PART OF SCALE MAINTENANCE AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1

☑ THERE WAS NO DEVIATION IN PROCEDURE AS WRITTEN
☐ DEVIATION FROM PROCEDURE IS NOTED HEREUPON

NIST TRACEABLE TEST STANDARDS USED THIS CALIBRATION

50# NUMBERS C800/NX01 THRU C819 /NSC 34
500# NUMBERS B05 THRU 016
1000# NUMBERS NSLA100 THRU NSI-A114
SUBSTITUTION LOAD ☐ none

TEST WEIGHT CERTIFICATION

PLEASE REFER TO TEST STANDARD TRACEABILITY DOCUMENTS MADE PART OF SCALE MAINTENANCE AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1

ESTIMATE OF ENVIRONMENTAL CONDITIONS

Temperature 65 ° Humidity 70 % Air Movement minimal
Vibration minimal Other none

VISUAL INSPECTION	ACCEPT	REJECT
FUNCTIONALITY; as left	✓	
REPEATABILITY/SENSITIVITY; as left	✓	
PHYSICAL CONDITION; as left	✓	
SUITABILITY FOR INTENDED USE	✓	

LOCATION OF TEST/NOTICE OF SUB-CONTRACTOR

☐ This test was conducted at Certified Scale Inc. facility, Menomonee Falls, WI.
☑ This test was conducted within the customer facility; located at :
5000 Warren Road, Burlington, WI 53105
☐ Subcontracted to:

***** FINAL TEST RESULTS *****

TEST POINT	AS FOUND EXPECTED VALUE	AS FOUND MEASURED VALUE	AS FOUND ERROR	AS FOUND ACCEPT	AS FOUND REJECT	AS LEFT MEASURED VALUE	AS LEFT ERROR	AS LEFT ACCEPT	AS LEFT REJECT	TOLERANCES LOW LIMIT	TOLERANCES HIGH LIMIT
SCALE #1											
DISTRIBUTION	1000	1000	0	✓		1000	0	✓		995	1005
DISTRIBUTION	2000	2005	5	✓		2000	0	✓		1995	2005
DISTRIBUTION	3000	3010	10	✓		3000	0	✓		2990	3010
DISTRIBUTION	4000	4015	15		✓	4000	0	✓		3990	4010
DISTRIBUTION	5000	5020	20		✓	5000	0	✓		4990	5010
DISTRIBUTION	10,000	10,040	40		✓	10,000	0	✓		9980	10,020
DISTRIBUTION	15,000	15,060	60		✓	15,000	0	✓		14,970	15,030
DISTRIBUTION	18,000	18,075	75		✓	18,000	0	✓		17,960	18,040

M.W.D.
APPROVED

PAGE (1) OF (2)

***** FINAL CONCLUSIONS *****

AS FOUND: ACCEPT ☐ REJECT ☑ AS LEFT: ACCEPT ☑ REJECT ☐ ACTION PENDING: ☐

***** STATEMENT OF ESTIMATED UNCERTAINTY AND CONFIDENCE *****

☐ ESTIMATED UNCERTAINTY OF THIS CALIBRATION IS _____; BY CSI TYPE EVALUATION DEFAULT; WITH A CONFIDENCE LEVEL OF 99%.
☑ UNCERTAINTY OF THIS CALIBRATION IS UNKNOWN BY STATISTICAL CALCULATION; ASSUMED EQUAL TO ±50% OF THE MINIMUM VALID DIVISION.

Technician's Comments/Observations/Opinions: tested, cleaned pit of debris, adjusted calibration, tested for as left results 5# pnut to lock shift error

MGA2 - NM:6/05

** THIS REPORT IS APPLICABLE ONLY TO THE DEVICE IDENTIFIED IN THE LOCATION SPECIFIED AS PART OF THIS REPORT. **

The serial number of this report is 091106MGA01. "This report may not be duplicated without written consent of Certified Scale Inc."
This report, page (1) of (2) was completed on 09-11-2006 (Date) by _____ (Certified Scale Inc. Representative).
Next scheduled Full Calibration is due 09-2007 (Date). Next Preventive Maintenance visit is due none (Date).

Revision - 0 Certified Scale Inc. - Quality Procedure Manual - Controlled Document R-510L1RIC (File #5.10.c)

SECTION 4…continued

INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

SCALE CALIBRATION SHEET

Confidential — **REPORT OF INSPECTION AND CALIBRATION** — Trade Secret

Operating Under A2LA Accreditation #2006.01; Performed by **Certified Scale Inc.** N57 W13640 Carmen Avenue, Menomonee Falls, WI 53051. As Directed by **MGA Research Corporation**

TYPE DIGITAL FLOOR | CLASS IIIL | MODEL 465 | CAPACITY 20,000
MANUFACTURER GSE | SERIAL # 004804 | ID# NONE | MAX. LOAD 15,000
LOCATION BUS AND TRUCK BAY 2 | MINIMUM DIVISION 5 | UNITS Lbs.

TEST AND UNCERTAINTY PROCEDURE JUSTIFICATION	NIST TRACEABLE TEST STANDARDS USED THIS CALIBRATION
PLEASE REFER TO TEST JUSTIFICATION AND UNCERTAINTY POLICY MADE PART OF SCALE MAINTENANCE	50# NUMBERS C800/NSC01 THRU 819 NSC34
AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1	500# NUMBERS 805 THRU 06
☑ THERE WAS NO DEVIATION IN PROCEDURE AS WRITTEN	1000# NUMBERS NSTA160 THRU NSTA176
☐ DEVIATION FROM PROCEDURE IS NOTED HEREUPON	SUBSTITUTION LOAD ☐ NOW
TEST WEIGHT CERTIFICATION	**ESTIMATE OF ENVIRONMENTAL CONDITIONS**
PLEASE REFER TO TEST STANDARD TRACEABILITY DOCUMENTS MADE PART OF SCALE MAINTENANCE	Temperature 65° Humidity 70 % Air Movement minimal
AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1	Vibration minimal Other none

VISUAL INSPECTION	ACCEPT	REJECT
FUNCTIONALITY; as left	✓	
REPEATABILITY/SENSITIVITY; as left	✓	
PHYSICAL CONDITION; as left	✓	
SUITABILITY FOR INTENDED USE	✓	

LOCATION OF TEST/NOTICE OF SUB-CONTRACTOR
☐ This test was conducted at Certified Scale Inc. facility, Menomonee Falls, WI.
☑ This test was conducted within the customer facility; located at :
5000 Warren Road, Burlington, WI 53105
☐ Subcontracted to:

*** FINAL TEST RESULTS ***

TEST POINT	AS FOUND EXPECTED VALUE	AS FOUND MEASURED VALUE	AS FOUND ERROR	AS FOUND ACCEPT	AS FOUND REJECT	AS LEFT MEASURED VALUE	AS LEFT ERROR	AS LEFT ACCEPT	AS LEFT REJECT	TOLERANCES LOW LIMIT	TOLERANCES HIGH LIMIT
SCALE #2											
DISTRIBUTION	1000	1000	0	✓		1000	0	✓		995	1005
DISTRIBUTION	2000	2000	0	✓		2000	0	✓		1995	2005
DISTRIBUTION	3000	3005	5	✓		3000	0	✓		2990	3010
DISTRIBUTION	4000	4005	5	✓		4000	0	✓		3990	4010
DISTRIBUTION	5000	5010	10	✓		5000	0	✓		4990	5010
DISTRIBUTION	10,000	10,020	20	✓		10000	0	✓		9980	10,020
DISTRIBUTION	15,000	15,030	30	✓		15,000	0	✓		14,970	15,030
DISTRIBUTION	18,000	18,035	35	✓		18,000	0	✓		17,960	18,040

M.W.D.
APPROVED

PAGE (2) OF (2)

*** FINAL CONCLUSIONS ***

AS FOUND: ACCEPT ☑ REJECT ☐ | AS LEFT: ACCEPT ☑ REJECT ☐ | ACTION PENDING: ☐

*** STATEMENT OF ESTIMATED UNCERTAINTY AND CONFIDENCE ***

☐ ESTIMATED UNCERTAINTY OF THIS CALIBRATION IS _____; BY CSI TYPE EVALUATION DEFAULT; WITH A CONFIDENCE LEVEL OF 99%.
☑ UNCERTAINTY OF THIS CALIBRATION IS UNKNOWN BY STATISTICAL CALCULATION; ASSUMED EQUAL TO ±50% OF THE MINIMUM VALID DIVISION.

Technician's Comments/Observations/Opinions: tested, cleaned pit, adjusted calibration, tested for as left results

MGA2 - NM:6/05

** THIS REPORT IS APPLICABLE ONLY TO THE DEVICE IDENTIFIED IN THE LOCATION SPECIFIED AS PART OF THIS REPORT. **

The serial number of this report is 041106MGA01. "This report may not be duplicated without written consent of Certified Scale Inc."

This report, page (2) of (2) was completed on 09-11-2006 (Date) by _____ (Certified Scale Inc. Representative).

Next scheduled Full Calibration is due 09-2007 (Date). Next Preventive Maintenance visit is due none (Date).

Revision - O — Certified Scale Inc. - Quality Procedure Manual - Controlled Document — R-510L1RIC (File #5.10.c)

SECTION 5
PHOTOGRAPHS

TABLE OF PHOTOGRAPHS

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

Three-Quarter Frontal View of Left Side of Vehicle

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

Three-Quarter Rear View of Left Side of Vehicle

Certification Label

Test Vehicle: **2006 MID BUS GUIDE DW SCHOOL BUS** NHTSA No.: **C60901**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **05/07/07**

Tire Manufacturer

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

Tire Model Number

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

Tire DOT Serial Number

Tire Load Ratings and Tire Size Designation

Rim Manufacturer

Rim DOT and Source of Published Information

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

Rim Size

Date of Manufacture Markings

Vehicle on Scales Doing Measurement of Front Axle Loads

Vehicle on Scales Doing Measurement of Rear Axle Loads

Simulated Occupant Loading

Test Vehicle:	**2006 MID BUS GUIDE DW SCHOOL BUS**	NHTSA No.:	**C60901**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**05/07/07**

Simulated Cargo Loading