



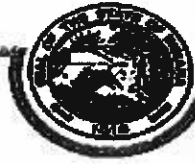
Survival Factors Factual Attachment:

IDOE Pilot Program-Gardian Angel Lighting System

Rochester, Indiana

HWY19MH003

(14 pages)

**NOTICE OF MEETING
AGENDA**

**State School Bus Committee
Indiana Department of Education
151 West Ohio Street Indianapolis, Indiana 46204
Gus Grissom Conference Room
December 6, 2011
10:00 a.m. EST**

Persons who are hearing impaired or deaf and who will require interpreter services for this meeting should notify the Division of School Traffic Safety and Emergency Planning in writing at Room 229 State House, Indianapolis, Indiana 46204-2798; by TDD at (317) 232-0570; or by telephone at (317) 232-0890. Notification must be made at least 48 hours in advance of the meeting.

Call to Order**Roll Call****Approval of Minutes****Items of Action**

Defined Meeting Dates:

1. Recommend first Tuesday of the last month of each quarter.
 - a. March 6, 2012
 - b. June 5, 2012
 - c. September 4, 2012
 - d. December 4, 2012

Items of Discussion

State School Bus Specifications

1. Documents
2. Plan for statewide review

Items of Information

Tobi's retirement – January 20, 2012

Gardian Angel demo – Steve Gardner

Correspondence

High intensity add-on LED lighting

Adjourn



Indiana Department of Education
SUPPORTING STUDENT SUCCESS

December 10, 2012

Don Batchelor
Transportation Coordinator
Marion Community Schools
826 E. 30th Street
Marion, IN 46953

Dear Mr. Batchelor,

This letter is in response to your letter of November 2, 2012 requesting approval for a pilot program for the use of the Guardian Angel light system. I wanted to inform you that on Tuesday, December 4, 2012, the Indiana State School Bus Committee refused your request. The committee would like for you to resubmit and present the request at the committee meeting on March 5, 2013. The committee would like to see these covered in your presentation if you wish to resubmit the request:

1. How the system going to be installed.
2. What procedures will you implement for use of the Guardian Light system.
3. What date data will you report back to the committee to justify the use of the system in the long term.

It was indicated in your attached request that you have already installed this system, if this is correct the committee is requesting that you disable those systems until such time as they are approved in specifications or the request for a pilot program is approved.

Should you have any question please do not hesitate to contact me.

Sincerely,

Michael A. LaRocco
Director, Office of School Transportation
Indiana Department of Education



**Indiana
Department of Education**
Glenda Ritz, NBCT
Indiana Superintendent of Public Instruction

March 15, 2013

Don Batchelor
Transportation Coordinator
Marion Community Schools
826 E. 30th Street
Marion, IN 46953


Dear Don,

This letter is in response to your March 5, 2013, presentation to the Indiana State School Bus Committee in request to initiate a pilot program for the use of the Guardian Angel light system. Your presentation was compelling and the Indiana State School Bus Committee has agreed to allow the pilot program with the following parameters:

1. Only the walkway lighting system is to be included in the scope of this pilot program.
2. Mounting options at the front bumper area to be included
 - a. standard mounting
 - b. under front bumper
 - c. side of front bumper
 - d. other as deemed appropriate.
3. The addition of two (2) bolts to secure and insure no movement of the mounting bracket.
4. The driver will activate the lighting system as a signal for crossing children it is safe to cross.
5. The system will be used for children crossing the street at the bus.
6. The system will be used only for pick-up and drop-off at the bus stop in the dark only.
7. The duration of the pilot program will be one (1) year from March 5, 2013.
8. A maximum of four (4) buses to be used in the program.
9. Mileage or other forms of usage shall be tracked.
10. Provide a copy to the committee of the policy used in the operation of the lighting systems by bus drivers.
11. The bus driver will keep a log of issues for each test pool bus.
12. A complete report of the pilot program will be presented to the Committee at the first regular meeting of 2014.

Should you have any questions, please do not hesitate to contact me.

Sincerely,



Michael A. LaRocco
Director, Office of School Transportation
Indiana Department of Education



Gardian Angel

SPECIFICATIONS & INSTALLATION

GARDIAN ANGEL LIGHTING SYSTEM

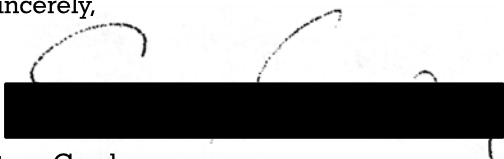
The Guardian Angel was created on January 22nd, 2010. In the winter's darkness of the previous morning, a 15-year-old girl was struck and killed by a passenger vehicle traveling 53 miles per hour, a speed that covers the length of a football field in four seconds. The yellow school bus she was approaching had red flashing lights activated and working. The car's driver assumed no one was in her deadly path of darkness.

If the Guardian Angel can save the life of even one child, all of the time, money, and effort it has taken for this enhancement to be produced will have been more than worth my while.

When properly installed, this lighting system serves many purposes. Among them are illuminating the passengers from their point of safety until they board the bus, and keeping the passengers out away from the front bumper of the bus and in the line of sight of the driver, where they belong.

I thank you for purchasing this product. If you like it, please tell others about the Guardian Angel. If you are not satisfied, please contact me using the business information provided.

Sincerely,



Steve Gardner

Precautions/Disclaimers

When installing the Guardian Angel Lighting System, please follow all safety guidelines and precautions.

Assure the installation of this product is performed by an ASE certified technician or the equivalent.

Dependability of this lighting system is as good as the person who installs it. Improper installation will void any warranty expressed or implied.

Guardian Angel LLC will not be responsible for any damages or vehicle losses from improper installation of the lights, harness and/or related installation.

Guardian Angel Installation Parts List

Make sure you have ALL of the following parts before beginning any installation.

- (1) Guardian Angel wiring harness
- (3) Plastic bags with two (2) connector plugs, four (4) pins and four (4) weather tight rubber seals.
- (1) 3/8" x 1" bolt
- (1) 3/8" lock nut
- (1) Flasher Block Adapter Terminal
- (4) 3/32 x 1" sheet screw (red strobe mounts)
- (1) 3/8" x 1" Bolt
- (1) 3/8" Nut
- (2) 3/8" Flat washer
- (2) Red LED Strobe
- (1) White 4"
- (4) nylon zip ties

Distributed by:

Unity
School Bus Parts

6221 King Road
Marine City, Michigan 48039

800.937.3906

www.unityparts.com

Gardian

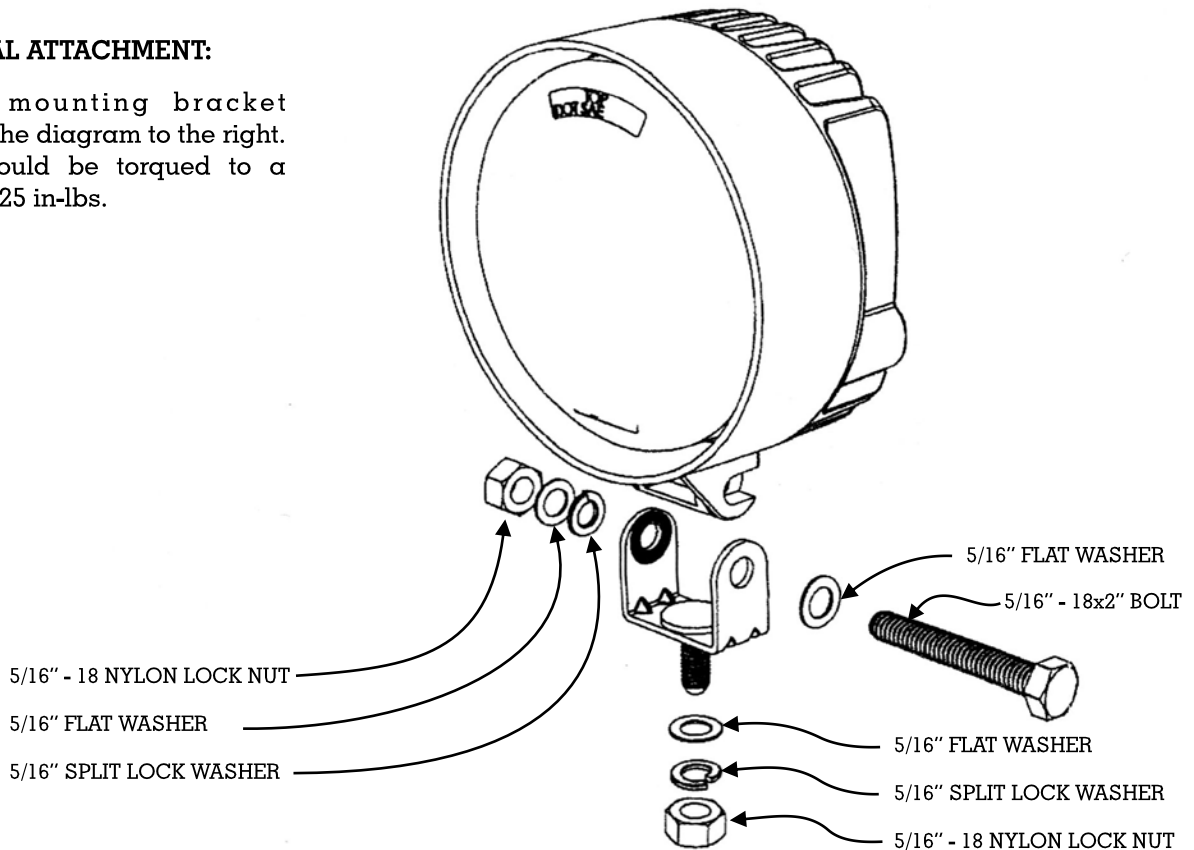


SPECIFICATIONS

Continued

MECHANICAL ATTACHMENT:

Assemble mounting bracket as shown in the diagram to the right. All bolts should be torqued to a maximum of 25 in-lbs.



TECHNICAL SPECIFICATIONS

Overall Dimensions:	5.7"h x 4.7"dia x 2.4"d (145 x 114 x 61 cm)	Reverse Polarity:	Protected
Input Voltage Range:	10-16Vdc	Load Dump::	Protected
Current Draw:	1000 Lumen	Operating Temperature:	-40° to +65° C
	1.66 Amps @ 12.8 Vdc	Optical Distribution:	Spot: 10°, Flood: 40° H x 25° V, Trapezoid: 40° H x 15° V
Wattage:	21.3 Watts @ 12.8 Vdc	Color Temperature:	5700K
		Weight:	1.0 lb., 0.45 kg

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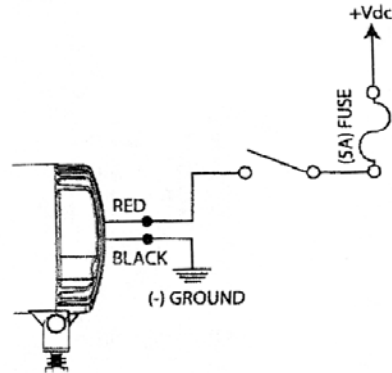
Guardian Angel

SPECIFICATIONS

Continued

ELECTRICAL CONNECTIONS

See diagram at right for required electrical connections. Connect the RED wire to +Vdc through a customer supplied 5A fuse and switch. Connect the BLACK wire to a reliable ground.



INSTALLATION

guidelines

GUIDELINES (non-multiplex vehicles)

Installation may vary depending on the vehicle make model.

Location of the 4" round white light should be on the left side of the front bumper underneath the cross mirror area. When mounting this light, assure it does not interfere with the front crossing arm, front identification, or license plate. Since the mounting angle of this light will vary from vehicle to vehicle, the following rules must be followed:

1. The furthest point of the light beam will cast about 10 feet away from the front of the bus bumper.
2. The adjustment of this beam is necessary so the light is on the ground and not in the eyes passengers crossing to the vehicle.

Ground the two (2) black wires with the ring eye terminals and make sure all ground connections are clean and tight. Assure all wire connections are tight and provided weather seals are used. Do not allow any of the Guardian Angel wiring to contact moving parts, hot engine, or vehicle components.

Make sure any holes drilled are free of burrs and/or sharp edges and are large enough for the wiring to pass through easily.

Note: If you are installing this system on a vehicle equipped with multiplex wiring, additional instructions and parts will be required.

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Guardian Angel

INSTALLATION GUIDELINES

TO INSTALL WIRING:

1. Connect red wire from the Guardian Angel harness to the #5 circuit of the Weldon 7000 flasher unit using the terminal provided.
2. Unplug existing #5 wire and plug the Guardian Angel harness red wire into the open terminal.
3. Plug in the wire that was previously plugged into the #5 terminal into the Guardian Angel harness.
4. The Red wire from the harness can also be connected to the front crossing arm activation wire if so equipped.
5. Route all wiring keeping away from hot or sharp surfaces!
6. The other end of the red wire attaches to the Guardian Angel light.
7. Connect the black wire from the Guardian Angel harness to a clean ground surface on the vehicle body.
8. Connect the other end of the black wire to the black wire of the Guardian Angel light.
9. The mounting bolt for the white light can be used as the ground provided the surface is clean, and unpainted.

TO MOUNT THE WHITE LIGHT:

10. Drill a hole in the left corner in the middle of the front bumper.
11. Some buses may have an existing hole that can be used.
12. Assure the light beam is angled towards the ground.
13. Final adjustment should be made in darkness, assuring the light beam is not in the passengers eyes, and affords the driver the best view of boarding passengers.
15. Make sure all mounting bolts are tight; all wiring should be secured to prevent ice and snow from causing wiring connections to break.

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Highlights

★ Cadet Smith named Marion Champion of the Month

★ Data shows Marion HS as state leader in college and career readiness

★ Enrollment information

★ Foss, Montgomery, Sechrest earn Mary Clark Hanley Teaching Excellence Award

★ Get your Giants gear at MHS!

★ Get your Giants gear HERE!

★ IASP names MHS's Principal Burke as regional Principal of the Year

School News

News for Marion Community Schools

MCS pioneers bus safety system

Posted: Sep 12, 2013 by Patricia Gibson, Communications Director



Marion Community Schools is hoping a pilot program its Transportation Department initiated will one day help improve safety for children at bus stops across Indiana.

MCS is in the midst of a trial period for use of the Guardian Angel School Bus Lighting System. Four buses have been equipped with special lights on their front bumpers that can be activated to shine across

Marion Community Schools

District Offices are inside Marion High School: 750 W. 26th St. (enter at Door 22, west of main entrance) Marion, IN 46953

Photo Albums

Click on the albums below to launch our photo viewer.

Homecoming 2018



Symphony in C



★ IDOE honors MRCC Aviation Academy with Partnership Award

★ IDOE honors MRCC IT Academy with Award for Excellence

★ Incoming 5th-through 8th-graders invited to Giants Basketball Academy

★ JROTC Rifle Team wins multi-state championship

★ Marion Community Schools District Targets

★ Marion High School Hall of Distinction 2019 inductees named

★ McCulloch choir teacher named IMEA Teacher of the Year

★ McCulloch Junior High School earns award for math growth

★ MCS Bullying Prevention Fact Sheet/Report Forms

★ MCS online registration now open for 2019-20 school year

★ MCS onsite registration set 7/23 and 7/24

★ MHS JROTC Raiders end season undefeated

★ MHS student earns prize at

the road, illuminating a path for students who are crossing in front of the bus - and in front of oncoming traffic. The light gives better sight and safety to the students, but it also serves to illuminate the children, to make them more visible to oncoming drivers.

MCS Transportation Coordinator Don Batchelor and Lead Transportation Mechanic Dave Chapman learned about the Guardian Angel lights from their main replacement parts supplier, United School Bus Parts. Batchelor learned that the lights were not approved for use by school buses in the state of Indiana, but believing that this extra lighting could improve safety for Marion students, he pursued permission from the state to use them.

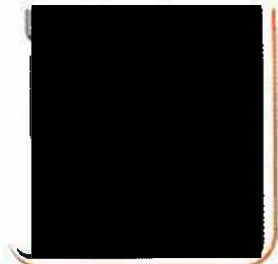
Initially, state officials denied the request, but asked for more information. After a presentation from Batchelor and Chapman, in spring 2012 MCS was given permission to proceed with a 12-month trial with four buses. At the end of that trial period, Batchelor is to give a report to state officials on how the system performed, and provide his recommendation as to future use of the system. The state will then consider approving the lighting system for wider use.

A few months into the trial period, Batchelor said, "the drivers really think the lights are fantastic."

He has asked each of the drivers to document positives and negatives, and the department is tracking input from parents, as well. Batchelor said parents at the bus stops have commented on the added safety the lights provide.

As the days grow shorter heading into fall and winter, the Guardian Angel system will again be guiding the way for students on dark mornings. Marion Community Schools is proud to be leading the way in testing this system.

"This is another fine example of the employees of MCS going above and beyond to provide a safe environment for our students," said MCS Director of Support Services Troy Freeman, who oversees the Transportation Department.



Create your new UC Account here.



Facebook



1 friend likes this



Marion Community Schools about 2 week



Twitter

Compose

Inbox

Starred

Snoozed

Important

Sent

Drafts

Categories

ATTN: Dad

ATTN: Unity

Financials

Follow-up Required

Google Alerts

Legal

Office Matters

Prospective Clients

to me



Kevin Neafie

Director of Transportation at Tippecanoe School Corporation

Steve,

I am wanting your product on my new buses! I'm waiting on Mike LaRocco to approve this for Indiana! Does this work on Blue Bird Visions? I'm buying 12 Blue Birds this year and may try to get them on my new buses!

Kevin Neafie

Sent from LinkedIn for iPad

<http://lnkd.in/ios>

Reply to Kevin

You are receiving member message notifications emails. [Unsubscribe](#)

This email was intended for Steve Gardner (Founder & President at Gardian Angel, LLC). [Learn why we included this.](#)

Customer #	Customer Name	Month	Qty.
MAR/IN	Marion Comm. Schools	Jul-12	1
TIPPECANOE	Tippecanoe Schools	Aug-12	1
MAR/IN	Marion Comm. Schools	Sep-12	2
MAR/IN	Marion Comm. Schools	Mar-13	1
HASLETT	Haslett Public Schools	Apr-13	10
KALMZOO	Kalamazoo Public Schools	May-13	1
MANCHES	Manchester Schools	May-13	2
ASHE COUNTY	Ashe County BOE	Jun-13	1
LAKEVI	Lakeview Bus Lines, Inc.	Jun-13	1
CHELSEA	Chelsea Schools	Jul-13	18
GREENVI	Greenville Public Schools	Jul-13	1
LAKEVI	Lakeview Bus Lines, Inc.	Jul-13	2
LESA RTC BRIGHTON	LESA - RTC Brighton	Jul-13	1
VAN ISD	Van Buren ISD	Jul-13	40
WEST BR	West Branch-Rose City Schools	Jul-13	3
MANCHES	Manchester Schools	Jul-13	9
BOYNE	Boyne City Public Schools	Aug-13	2
CHEBOYG	Cheboygan Area Schools	Aug-13	5
HARBO	Harbor Springs School District	Aug-13	1
HUDSONV	Hudsonville Schools	Aug-13	2
ITHACA	Ithaca Public Schools	Aug-13	3
LESA RTC HOWELL	LESA - RTC Howell	Aug-13	2
LESA RTC PINCKNEY	LESA - RTC Pinckney	Aug-13	26
OVID	Ovid Elsie Schools	Aug-13	2
PINCONN	Pinconning Area Schools	Aug-13	2
SHEPHRD	Shepherd Schools	Aug-13	1
ST.JOS	St. Joseph Public Schools	Aug-13	1
SWARTZ	Swartz Creek Schools	Aug-13	1
W. OTTA	West Ottawa Public Schools	Aug-13	1
BEDFORD	Bedford Public Schools	Sep-13	1
COLEMAN	Coleman Comm. Schools	Sep-13	2
CORUNNA	Corunna Public Schools	Sep-13	1
LESA RTC PINCKNEY	LESA - RTC Pinckney	Sep-13	2
OSWEGO	Oswego Schools	Sep-13	1
PINCONN	Pinconning Area Schools	Sep-13	2
TAWAS	Tawas Area Schools	Sep-13	3
OSWEGO	Oswego Schools	Oct-13	1
NEW BUF	New Buffalo Schools	Oct-13	2
MADISON CO BOE	Madison County BOE	Oct-13	1
HUDSONV	Hudsonville Schools	Oct-13	1
NATIONAL BUS	National Bus Sales	Oct-13	2
IMLAY	Imlay City Comm. Schools	Oct-13	1
BEDFORD	Bedford Public Schools	Nov-13	2
BOYNE	Boyne City Public Schools	Nov-13	2
MANCHES	Manchester Schools	Nov-13	1
EJORDAN	East Jordan Schools	Dec-13	12



LAKE SH	Lakeshore School Disrict	Dec-13	6
WEST BR	West Branch-Rose City Schools	Jan-14	2
CONVERS	Converse City School Dist. #1	Jan-14	1
HANNAHV	Hannahville Indian Comm.	Jan-14	1
MELVIND	Melvindale Noth Allen Park	Feb-14	1
GLEN	Glen Lake Schools	Mar-14	1
HANNAHV	Hannahville Indian Comm.	Jun-14	1
CHELSEA	Chelsea Public Schools	Jul-14	3
MANCHES	Manchester Schools	Jul-14	4
OVID	Ovid Elsie Schools	Jul-14	5

Total Units Sold

205



Gardian Lights

Michael LaRocco [REDACTED]
To: Gardian Angel <[REDACTED]>, Nick Mastry <[REDACTED]>

Tue, Jun 3, 2014 at 3:10 PM

Steve,

I wanted to make you aware that Gardian Angel Lights were not approved in the final specification approval for school buses in Indiana by the State School Bus Committee today.

Mike

Michael A. LaRocco
Director Office of School Transportation
Indiana Department of Education
115 W. Washington Street
South Tower, Suite 600
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