EXPLORATORY STUDY OF DISTRACTED BEHAVIORS OF TRANSIT OPERATORS

Nurlayla Arbie

Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of

Master of Science

In

Civil Engineering

Montasir Mahgoub Abbas

Antonio A. Trani

Gerardo W. Flintsch

(July 25, 2014)

Blacksburg, VA

Keywords: Distracted Driving, Bus Transit, Discriminant Analysis

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"Permission is given to copy this work provided credit is given and copies are not intended for sale."
Mr. Witten,

I would like to ask your permission to use some pictures of Blacksburg Transit. These include route maps of Hethwood, Hokie Express, Toms Creek/Toms Creek B, Two Town Trolley, and a picture of Blacksburg Transit bus (retrieved from http://www.blacksburg.gov/Index.aspx?page=1027). These pictures will be included in my final Thesis and I will provide a citation in the report.

Thank you,
Regards,
Nurlayla Arbie

--

Nurlayla Arbie
Graduate Student of Transportation Infrastructure and System Engineering
Civil Engineering and Environmental Department
Virginia Tech

That should not be a problem. TW

Thank you, appreciate it.
Ask Permission to use J1939 image in Master Thesis

2 messages

Nurlayla Arbie <arbien@vt.edu>  
Fri, Jul 25, 2014 at 6:30 PM

Hello,

I am a master student at Virginia Tech and I am working on my master thesis about distracted driving. I would like to ask your permission to include an image of J1939 mini logger (retrieved from: http://hemdata.com/wp-content/uploads/2012/j1939-high.png) and specification table of the product. I will provide a citation in my thesis. If you have any question, please let me know.

Thank you,
Best Regards,
Nurlayla

--
Nurlayla Arbie  
Graduate Student of Transportation Infrastructure and System Engineering  
Civil Engineering and Environmental Department  
Virginia Tech

Rick Walter <rickw@hemdata.com>  
Mon, Jul 28, 2014 at 2:48 PM

Hi Nurlayla,

Yes, you have HEM Data's permission to include an image of J1939 mini logger (retrieved from: http://hemdata.com/wp-content/uploads/2012/j1939-high.png) and specification table of the product.

Regards,
Rick Walter, P.E.

HEM Data  
17320 12 Mile Road  
Southfield, MI 48076-2105 USA  

Phone: 248 559-5607 x111  
Fax: 248 559-8008  
email: rickw@hemdata.com  
Website: www.hemdata.com
MEMORANDUM

DATE: October 2, 2013

TO: Nurlayla Arbie, Montasir Mahgoub Abbas

FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE: Driving Behavior and Distraction of Transit Operator (Survey)

IRB NUMBER: 13-703

Effective October 2, 2013, the Virginia Tech Institution Review Board (IRB) Administrator, Carmen T Papenfuss, approved the Amendment request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

http://www.irb.vt.edu/pages/responsibilities.htm

(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: Exempt, under 45 CFR 46.110 category(ies) 2
Protocol Approval Date: September 26, 2013
Protocol Expiration Date: N/A
Continuing Review Due Date*: N/A

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant proposals/work statements to the IRB protocol(s) which cover the human research activities included in the proposal / work statement before funds are released. Note that this requirement does not apply to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

The table on the following page indicates whether grant proposals are related to this IRB protocol, and which of the listed proposals, if any, have been compared to this IRB protocol, if required.
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* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.
MEMORANDUM

DATE: February 6, 2014

TO: Montasir Mahgoub Abbas, Nurlayla Arbie

FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE: Public Opinion on Bus Transit Operator Distracted Driving

IRB NUMBER: 14-093

Effective February 5, 2014, the Virginia Tech Institution Review Board (IRB) Chair, David M Moore, approved the New Application request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

http://www.irb.vt.edu/pages/responsibilities.htm

(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: Exempt, under 45 CFR 46.110 category(ies) 2
Protocol Approval Date: February 5, 2014
Protocol Expiration Date: N/A
Continuing Review Due Date*: N/A

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant proposals/work statements to the IRB protocol(s) which cover the human research activities included in the proposal / work statement before funds are released. Note that this requirement does not apply to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

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* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.
MEMORANDUM

DATE: April 3, 2014

TO: Montasir Mahgoub Abbas, Nurlayla Arbie

FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE: Observational Study: Driving Behavior of Transit Operator

IRB NUMBER: 14-394

Effective April 3, 2014, the Virginia Tech Institution Review Board (IRB) Chair, David M Moore, approved the New Application request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

http://www.irb.vt.edu/pages/responsibilities.htm

(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: Expedited, under 45 CFR 46.110 category(ies) 7
Protocol Approval Date: April 3, 2014
Protocol Expiration Date: April 2, 2015
Continuing Review Due Date*: March 19, 2015

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant proposals/work statements to the IRB protocol(s) which cover the human research activities included in the proposal / work statement before funds are released. Note that this requirement does not apply to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

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If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.