

April 21, 2020

Acting Administrator James C. Owens  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018, NTSB/HAR-20/02*. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendations by number (for example, H-20-10 and -11). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.



**Executive Secretariat-crb**  
Executive Secretariat  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594

Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

Acting Administrator James C. Owens  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590

Dear Mr. Owens:

This letter provides information about the National Transportation Safety Board's (NTSB) March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendations to the National Highway Traffic Safety Administration. Additional information regarding these recommendations can be found in the noted sections of the report.

When evaluating safety self-assessment reports from entities testing automated driving systems on public roads, evaluate how effectively the entities include school bus operations in their plans. (H-20-10) (See section 2.5.1.)

Evaluate the effectiveness of technologies designed to reduce the incidence of illegal school bus passings, and publish and disseminate the evaluation results. (H-20-11) (See section 2.5.3.)

In addition, the NTSB reiterates the following recommendations to the National Highway Traffic Safety Administration.

Develop minimum performance standards for connected vehicle technology for all highway vehicles. (H-13-30) (See section 2.5.1.)

Once minimum performance standards for connected vehicle technology are developed, require this technology to be installed on all newly manufactured highway vehicles. (H-13-31) (See section 2.5.1.)

Incorporate pedestrian safety systems, including pedestrian collision avoidance systems and other more-passive safety systems, into the New Car Assessment Program. (H-18-43) (See section 2.5.2.)

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendations by number (Safety Recommendations H-20-10 and -11 and Safety Recommendations H-13-30 and -31 and H-18-43). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions. Please do not submit both an electronic copy and a hard copy of the same response.

Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

April 21, 2020

The Honorable Michael J. Dunleavy  
Governor of Alaska  
State Capitol  
Third Floor  
PO Box 110001  
Juneau, AK 99811

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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**Executive Secretariat-crb**  
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Office of the Chairman

## National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Michael J. Dunleavy  
Governor of Alaska  
State Capitol  
Third Floor  
PO Box 110001  
Juneau, AK 99811

Dear Governor Dunleavy:

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We are providing the following information to urge the state of Alaska to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

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- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Alaska (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images, and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Tammy Kramer, Administrator, Alaska Highway Safety Office, Governor's Highway Safety Representative; Mr. Elwin Blackwell, State Director of Pupil Transportation; and Mr. Kip Knudson, Washington Representative, Office of the Governor, State of Alaska

April 21, 2020

The Honorable Doug Ducey  
Governor of Arizona  
State Capitol  
1700 West Washington Street  
Phoenix, AZ 85007

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490 L'Enfant Plaza SW  
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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Doug Ducey  
Governor of Arizona  
State Capitol  
1700 West Washington Street  
Phoenix, AZ 85007

Dear Governor Ducey:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Arizona to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Arizona (as one of the 28 states and the District of Columbia that do not currently have laws permitting the

use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images, and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Alberto Gutier, Director, Arizona Governor's Office of Highway Safety, Governor's Highway Safety Representative; Ms. Jennifer O'Leary, Arizona Department of Education, State Director of Pupil Transportation; and Mr. Juan Ciscomani, Senior Advisor, Office of the Governor, State of Arizona

April 21, 2020

The Honorable Gavin Newsom  
Governor of California  
State Capitol  
Suite 1173  
Sacramento, CA 95814

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Gavin Newsom  
Governor of California  
State Capitol  
Suite 1173  
Sacramento, CA 95814

Dear Governor Newsom:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of California to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
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Accordingly, the NTSB makes the following safety recommendation to the state of California (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Barbara Rooney, Director, California Office of Traffic Safety, Governor's Highway Safety Representative; Ms. Anna Borges, California Department of Education, State Director of Pupil Transportation; and Ms. Katie Matthews, Director, Washington Office of the Governor, State of California

April 21, 2020

The Honorable Jared Polis  
Governor of Colorado  
136 State Capitol  
Denver, CO 80203

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Jared Polis  
Governor of Colorado  
136 State Capitol  
Denver, CO 80203

Dear Governor Polis:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Colorado to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

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Accordingly, the NTSB makes the following safety recommendation to the state of Colorado (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Shoshana Lew, Executive Director, Colorado Office of Transportation Safety, Governor's Highway Safety Representative; Mr. Darrell Link, Director, Colorado Office of Transportation Safety, Highway Safety Coordinator; Ms. Susan Miller, Colorado Department of Education, State Director of Pupil Transportation; and Ms. Mara Sheldon, Senior Policy Advisor, Office of the Governor, State of Colorado

April 21, 2020

The Honorable John C. Carney, Jr.  
Governor of Delaware  
Legislative Hall  
Dover, DE 19901

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable John C. Carney, Jr.  
Governor of Delaware  
Legislative Hall  
Dover, DE 19901

Dear Governor Carney:

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We are providing the following information to urge the state of Delaware to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Delaware (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Kimberly Chandler, Deputy Secretary, Delaware Office of Highway Safety, Governor's Highway Safety Representative; Ms. Kimberly Chesser, Director, Delaware Office of Highway Safety, Highway Safety Coordinator; Mr. Tyler Bryan, Delaware Department of Education, State Director of Pupil Transportation; and Ms. Sheila Grant, Deputy Chief of Staff, Washington Office of the Governor, State of Delaware

April 21, 2020

The Honorable Muriel Bowser  
Mayor of the District of Columbia  
1350 Pennsylvania Ave. NW,  
Ste. 316  
Washington, DC 20004

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Tel: (202)314-6047  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Muriel Bowser  
Mayor of the District of Columbia  
1350 Pennsylvania Ave. NW  
Ste. 316  
Washington, DC 20004

Dear Mayor Bowser:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the District of Columbia to act on the safety recommendation in this letter because we believe the District of Columbia can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the District of Columbia (as one of the jurisdictions in the United States that do not currently have laws permitting

the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Jeff Marootian, Director, District of Columbia Department of Transportation, Governor's Highway Safety Representative; Ms. Carole Lewis, Highway Safety Coordinator, District of Columbia Department of Transportation; and Ms. Gretchen Brumley, District of Columbia Division of Student Transportation, Director of Pupil Transportation

April 21, 2020

The Honorable Ron DeSantis  
Governor of Florida  
PL 05 The Capitol  
400 South Monroe Street  
Tallahassee, FL 32399

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Ron DeSantis  
Governor of Florida  
PL 05 The Capitol  
400 South Monroe Street  
Tallahassee, FL 32399

Dear Governor DeSantis:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Florida to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Florida (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Courtney Drummond, Assistant Secretary for Engineering and Operations, Florida State Safety Office, Governor's Highway Safety Representative; Ms. Lora Hollingsworth, P.E., Chief Safety Officer, Florida State Safety Officer, Highway Safety Coordinator; Mr. Robert Manspeaker, Florida Department of Education, State Director of Pupil Transportation; and Ms. Katherine Anne Russo, Washington Representative, Washington Office of the Governor, State of Florida

April 21, 2020

The Honorable David Y. Ige  
Governor of Hawaii  
Executive Chambers  
State Capitol  
Honolulu, HI 96813

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Executive Secretariat-LRM  
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National Transportation Safety Board  
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Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable David Y. Ige  
Governor of Hawaii  
Executive Chambers  
State Capitol  
Honolulu, HI 96813

Dear Governor Ige:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Hawaii to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Hawaii (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Jade Butay, Director, Hawaii Department of Transportation, Governor's Highway Safety Representative; Mr. Lee Nagano, Highway Safety Manager, Hawaii Department of Transportation, Highway Safety Coordinator; Mr. James Kauhi, Hawaii Department of Education, State Director of Pupil Transportation; and Ms. Linda Chu Takayama, Chief of Staff, Office of the Governor, State of Hawaii

April 21, 2020

The Honorable Kim Reynolds  
Governor of Iowa  
State Capitol  
1007 East Grand Avenue  
Des Moines, IA 50319

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Kim Reynolds  
Governor of Iowa  
State Capitol  
1007 East Grand Avenue  
Des Moines, IA 50319

Dear Governor Reynolds:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Iowa to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Iowa (as one of the 28 states and the District of Columbia that do not currently have laws permitting the

use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Stephan Bayens, Director, Department of Public Safety, Iowa Governor's Traffic Safety Bureau, Governor's Highway Safety Representative; Mr. Patrick Hoye, Bureau Chief, Iowa Governor's Traffic Safety Bureau, Highway Safety Coordinator; Mr. Max Christensen, Iowa Department of Education, State Director of Pupil Transportation; and Ms. Stephanie Groen, Director, Washington Office of the Governor, State of Iowa

April 21, 2020

The Honorable Laura Kelly  
Governor of Kansas  
Capitol  
300 SW 10th Avenue  
Suite 212S  
Topeka, KS 66612

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
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Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Laura Kelly  
Governor of Kansas  
Capitol  
300 SW 10th Avenue  
Suite 212S  
Topeka, KS 66612

Dear Governor Kelly:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Kansas to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Kansas (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Julie Lorenz, Interim Secretary of Transportation, Kansas Department of Transportation, Governor's Highway Safety Representative; Mr. Chris Bortz, Traffic Safety Program Manager, Kansas Department of Transportation, Highway Safety Coordinator; Mr. Keith Dreiling, Kansas State Department of Education, State Director of Pupil Transportation; and Mr. Adam Nordstrom, Director, Washington Office of the Governor, State of Kansas

April 21, 2020

The Honorable Andy Beshear  
Governor of Kentucky  
700 Capitol Ave., Suite 100  
Frankfort, KY 40601

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Andy Beshear  
Governor of Kentucky  
700 Capitol Ave., Suite 100  
Frankfort, KY 40601

Dear Governor Beshear:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the commonwealth of Kentucky to act on the safety recommendation in this letter because we believe your commonwealth can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the commonwealth of Kentucky (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Jason Siwula, Acting Executive Director, Kentucky Office of Highway Safety, Highway Safety Coordinator; Ms. Elisa Hanley, Kentucky Department of Education, State Director of Pupil Transportation; and Ms. Leeann Veatch, Washington Representative, Washington Office of the Governor, Commonwealth of Kentucky

April 21, 2020

The Honorable John Bel Edwards  
Governor of Louisiana  
PO Box 94004  
Baton Rouge, LA 70804

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable John Bel Edwards  
Governor of Louisiana  
PO Box 94004  
Baton Rouge, LA 70804

Dear Governor Edwards:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Louisiana to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Louisiana (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Lisa Freeman, Executive Director, Louisiana Highway Safety Commission, Governor's Highway Safety Representative; Mr. Michael Comeaux, Louisiana Department of Transportation, State Director of Pupil Transportation; and Ms. Alicia Williams, Senior Special Assistant, Office of the Governor, State of Louisiana

April 21, 2020

The Honorable Charlie Baker  
Governor of Massachusetts  
State House  
Office of the Governor, Room 360  
24 Beacon St.  
Boston, MA 02133

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Tel: (202)314-6047

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Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Charlie Baker  
Governor of Massachusetts  
State House  
Office of the Governor, Room 360  
24 Beacon St.  
Boston, MA 02133

Dear Governor Baker:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the commonwealth of Massachusetts to act on the safety recommendation in this letter because we believe your commonwealth can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the commonwealth of Massachusetts (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Daniel Bennet, Secretary, Executive Office of Public Safety and Security, Massachusetts Highway Safety Division, Governor's Highway Safety Representative; Mr. Jeff Larason, Director, Massachusetts Highway Safety Division, Highway Safety Coordinator; Ms. Margaret Rohanna, Massachusetts Registry of Motor Vehicles, State Director of Pupil Transportation; and Ms. Elizabeth Mahoney, Policy Director, Office of the Governor, Commonwealth of Massachusetts

April 21, 2020

The Honorable Gretchen Whitmer  
Governor of Michigan  
PO Box 30013  
Lansing, MI 48909

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Gretchen Whitmer  
Governor of Michigan  
PO Box 30013  
Lansing, MI 48909

Dear Governor Whitmer:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Michigan to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Michigan (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Michael L. Prince, Director, Michigan Office of Highway Safety Planning, Governor's Highway Safety Representative; Mr. Ken Micklash, Michigan Department of Education, State Director of Pupil Transportation; and Ms. Patty Readinger, Director, Washington Office of the Governor, State of Michigan

April 21, 2020

The Honorable Tim Walz  
Governor of Minnesota  
130 State Capitol  
75 Rev. Dr. Martin Luther King Jr. Boulevard  
St. Paul, MN 55155

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Tim Walz  
Governor of Minnesota  
130 State Capitol  
75 Rev. Dr. Martin Luther King Jr. Boulevard  
St. Paul, MN 55155

Dear Governor Walz:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Minnesota to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Minnesota (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Michael J. Hanson, Director, Minnesota Office of Traffic Safety, Governor's Highway Safety Representative; Mr. Brian Reu, Minnesota Department of Education, State Director of Pupil Transportation, and Ms. Sasha Bergman, Washington Representative, Office of the Governor, State of Minnesota

April 21, 2020

The Honorable Michael L. Parson  
Governor of Missouri  
Room 216  
PO Box 720  
Jefferson City, MO 65102

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Michael L. Parson  
Governor of Missouri  
Room 216  
PO Box 720  
Jefferson City, MO 65102

Dear Governor Parson:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Missouri to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Missouri (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Patrick McKenna, Director, Missouri Department of Transportation, Missouri Traffic and Highway Safety Division, Governor's Highway Safety Representative; Mr. Jonathan Nelson, Assistant State Highway Safety and Traffic Engineer, Missouri Traffic and Highway Safety Division, Highway Safety Coordinator; Ms. Debra Clink, Missouri Department of Elementary and Secondary Education, State Director of Pupil Transportation; and Mr. David Bilger, Policy Analyst, Office of the Governor, State of Missouri

April 21, 2020

The Honorable Steve Bullock  
Governor of Montana  
State Capitol  
Helena, MT 59620

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
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Washington, DC 20594  
Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Steve Bullock  
Governor of Montana  
State Capitol  
Helena, MT 59620

Dear Governor Bullock:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Montana to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Montana (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Mike Tooley, Director, Montana Department of Transportation, Montana State Highway Traffic Safety Office, Governor's Highway Safety Representative; Ms. Janet Kenny, State Highway Traffic Safety Office, Rail, Transit, and Planning Division, Montana Department of Transportation, Highway Safety Coordinator; Mr. Donnell Rosenthal, Montana Office of Public Instruction, State Director of Pupil Transportation; and Mr. Adam Schafer, Director of Public Engagement and Senior Advisor, Office of the Governor, State of Montana

April 21, 2020

The Honorable Pete Ricketts  
Governor of Nebraska  
PO Box 94848  
Lincoln, NE 68509

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
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Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Pete Ricketts  
Governor of Nebraska  
PO Box 94848  
Lincoln, NE 68509

Dear Governor Ricketts:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Nebraska to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Nebraska (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Kyle Schneeweis, P.E., Director, State Engineer, Nebraska Department of Roads, Nebraska Department of Transportation, Highway Safety Office, Governor's Highway Safety Representative; Mr. Mark Segerstrom, Director, Nebraska Department of Transportation Highway Safety Office, Highway Safety Coordinator; Mr. Bryce Wilson, Nebraska Department of Education, State Director of Pupil Transportation; and Ms. Lauren Kintner, Policy Director and General Counsel, Office of the Governor, State of Nebraska

April 21, 2020

The Honorable Steve Sisolak  
Governor of Nevada  
State Capitol  
101 N. Carson St.  
Carson City, NV 89701

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National Transportation Safety Board  
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Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Steve Sisolak  
Governor of Nevada  
State Capitol  
101 N. Carson St.  
Carson City, NV 89701

Dear Governor Sisolak:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Nevada to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Nevada (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. George Togliatti, Director, Nevada Department of Public Safety, Nevada Office of Traffic Safety, Governor's Highway Safety Representative; Ms. Jenna Fiedler, State Director of Student Transportation; and Ms. Amy Davey, Administrator, Nevada Office of Traffic Safety, Highway Safety Coordinator

April 21, 2020

The Honorable Chris Sununu  
Governor of New Hampshire  
State House  
107 North Main Street  
Room 208  
Concord, NH 03301

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Chris Sununu  
Governor of New Hampshire  
State House  
107 North Main Street  
Room 208  
Concord, NH 03301

Dear Governor Sununu:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of New Hampshire to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of New Hampshire (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Robert Quinn, Commissioner, Department of Safety, New Hampshire Office of Highway Safety, Governor's Highway Safety Representative; Mr. William Haynes, Highway Safety Committee, New Hampshire Office of Highway Safety, Highway Safety Coordinator; Ms. Stephanie Bosch, New Hampshire State Police, State Director of Pupil Transportation; and Mr. Paul Collins, Senior Advisor, Office of the Governor, State of New Hampshire

April 21, 2020

The Honorable Phil Murphy  
Governor of New Jersey  
The State House  
PO Box 001  
Trenton, NJ 08625

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Phil Murphy  
Governor of New Jersey  
The State House  
PO Box 001  
Trenton, NJ 08625

Dear Governor Murphy:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of New Jersey to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of New Jersey (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Eric Heitmann, Director, New Jersey Division of Highway Traffic Safety, Governor's Highway Safety Representative; Mr. Allen Dupree, New Jersey Department of Education, State Director of Pupil Transportation; and Ms. Monica Pham, Deputy Director, Washington Office of the Governor, State of New Jersey

April 21, 2020

The Honorable Michelle Lujan Grisham  
Governor of New Mexico  
State Capitol  
Fourth Floor  
Santa Fe, NM 87501

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Michelle Lujan Grisham  
Governor of New Mexico  
State Capitol  
Fourth Floor  
Santa Fe, NM 87501

Dear Governor Lujan Grisham:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of New Mexico to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of New Mexico (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Michael R. Sandoval, Cabinet Secretary, New Mexico Department of Transportation, Governor's Highway Safety Representative; Mr. Jeff Barela, Traffic Safety Director, New Mexico Department of Transportation, Highway Safety Coordinator; Mr. Antonio Ortiz, New Mexico Public Education Department, State Director of Pupil Transportation; and Ms. Courtney Kerster, State-Federal Representative, Office of the Governor, State of New Mexico

April 21, 2020

The Honorable Doug Burgum  
Governor of North Dakota  
State Capitol  
Department 101  
600 E. Boulevard Avenue  
Bismarck, ND 58505

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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National Transportation Safety Board  
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Washington, DC 20594  
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# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

The Honorable Doug Burgum  
Governor of North Dakota  
State Capitol  
Department 101  
600 E. Boulevard Avenue  
Bismarck, ND 58505

Dear Governor Burgum:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of North Dakota to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
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- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of North Dakota (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. William Panos, Director, North Dakota Department of Transportation, Governor's Highway Safety Representative; Ms. Karin Mongeon, Safety Division Director, North Dakota Department of Transportation, Highway Safety Coordinator; Mr. Don Williams, North Dakota Department of Public Instruction, State Director of Pupil Transportation; and Mr. Jace Beehler, Policy Director, Office of the Governor, State of North Dakota

April 21, 2020

The Honorable Mike DeWine  
Governor of Ohio  
30th Floor  
77 South High Street  
Columbus, OH 43215

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National Transportation Safety Board  
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Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Mike DeWine  
Governor of Ohio  
30th Floor  
77 South High Street  
Columbus, OH 43215

Dear Governor DeWine:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Ohio to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Ohio (as one of the 28 states and the District of Columbia that do not currently have laws permitting the

use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Tom Stickrath, Director, Ohio Department of Public Safety, Ohio Traffic Safety Office, Governor's Highway Safety Representative; Mr. Herbert Homan, Highway Safety Commander, Ohio Traffic Safety Office, Highway Safety Coordinator; and Ms. Nikki Guilford, Director, Washington Office of the Governor, State of Ohio

April 21, 2020

The Honorable Kate Brown  
Governor of Oregon  
State Capitol  
900 Court St. NE, Suite 254  
Salem, OR 97301

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

The Honorable Kate Brown  
Governor of Oregon  
State Capitol  
900 Court St. NE, Suite 254  
Salem, OR 97301

Dear Governor Brown:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Oregon to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

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Accordingly, the NTSB makes the following safety recommendation to the state of Oregon (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Troy E. Costales, Governor's Representative and Administrator, Oregon Transportation Safety Division, Governor's Highway Safety Representative; Mr. Brock Dittus, Oregon Department of Education, State Director of Pupil Transportation; and Ms. Annie McColaugh, Director, Washington Office of the Governor, State of Oregon

April 21, 2020

The Honorable Kristi Noem  
Governor of South Dakota  
500 East Capitol Avenue  
Pierre, SD 57501

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The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

The Honorable Kristi Noem  
Governor of South Dakota  
500 East Capitol Avenue  
Pierre, SD 57501

Dear Governor Noem:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of South Dakota to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of South Dakota (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Lee Axdahl, Director, South Dakota Office of Highway Safety, Governor's Highway Safety Representative; and Ms. Carol Uecker, South Dakota Department of Education, State Director of Pupil Transportation

April 21, 2020

The Honorable Greg Abbott  
Governor of Texas  
PO Box 12428  
Austin, TX 78711

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov)



# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

The Honorable Greg Abbott  
Governor of Texas  
PO Box 12428  
Austin, TX 78711

Dear Governor Abbott:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Texas to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Texas (as one of the 28 states and the District of Columbia that do not currently have laws permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. James Bass, Executive Director, Texas Department of Transportation, Governor's Highway Safety Representative; Mr. Terry Pence, Traffic Safety Director, Texas Department of Transportation, Highway Safety Coordinator; and Ms. Christie Hebert, Texas Department of Public Safety, State Director of Pupil Transportation

April 21, 2020

The Honorable Phil Scott  
Governor of Vermont  
109 State Street  
Pavilion Office Building  
Montpelier, VT 05609

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
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# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

The Honorable Phil Scott  
Governor of Vermont  
109 State Street  
Pavilion Office Building  
Montpelier, VT 05609

Dear Governor Scott:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Vermont to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Vermont (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images, and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Joe Flynn, Secretary, Vermont Agency of Transportation, Vermont State Highway Safety Office–Behavioral Safety Unit, Governor’s Highway Safety Representative; Mr. Joshua Schultz, Director, Operations and Safety Bureau, Vermont State Highway Safety Office–Behavioral Safety Unit, Highway Safety Coordinator; Mr. Patrick McManamon, Vermont Department of Motor Vehicles, State Director of Pupil Transportation; and Mr. Jason Gibbs, Chief of Staff, Governor Phil Scott, Office of the Governor, State of Vermont

April 21, 2020

The Honorable Tony Evers  
Governor of Wisconsin  
115 East State Capitol  
Madison, WI 53707

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

The Honorable Tony Evers  
Governor of Wisconsin  
115 East State Capitol  
Madison, WI 53707

Dear Governor Evers:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the state of Wisconsin to act on the safety recommendation in this letter because we believe your state can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the state of Wisconsin (as one of the 28 states and the District of Columbia that do not currently have laws

permitting the use of stop arm cameras on school buses for enforcement purposes). Additional information regarding the recommendation can be found in the noted section of the report.

Enact legislation to permit stop arm cameras on school buses to capture images and allow citations to be issued for illegal school bus passings based on the camera-obtained information. (H-20-12) (See section 2.4.2.)

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement the recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-12). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Craig Thompson, Secretary–Designee, Wisconsin Department of Transportation, Wisconsin Bureau of Transportation Safety, Governor’s Highway Safety Representative; Mr. David Pabst, Director, Wisconsin Bureau of Transportation Safety, Highway Safety Coordinator; Ms. Janice Zmrazek, Wisconsin Department of Public Instruction, State Director of Pupil Transportation; and Ms. Kate Bukowski, Director, Washington Office of the Governor, State of Wisconsin

April 21, 2020

Dr. Jennifer McCormick  
State Superintendent of Public Instruction  
Indiana Department of Education  
South Tower, Suite 600  
115 W. Washington Street  
Indianapolis, IN 46204-3420

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The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-13 and -14). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
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# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

Dr. Jennifer McCormick  
State Superintendent of Public Instruction  
Indiana Department of Education  
South Tower, Suite 600  
115 W. Washington Street  
Indianapolis, IN 46204-3420

Dear Dr. McCormick:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the Indiana Department of Education to act on the safety recommendations in this letter because we believe your organization can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendations to the Indiana Department of Education. Additional information regarding these recommendations can be found in the noted sections of the report.

Supplement your training program for school transportation directors with a module on how to assess the safety and risks of school bus routes and stops, according to best industry practices. (H-20-13) (See section 2.3.1.)

Require local school transportation directors and others involved in evaluating school bus routes and stops in Indiana to complete the training module on the safety and risks of routes and stops recommended in Safety Recommendation H-20-13. (H-20-14) (See section 2.3.1.)

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendations by number (Safety Recommendations H-20-13 and -14). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Michael LaRocco, Director of School Transportation, Indiana Department of Education

April 21, 2020

Mr. Mike Martin  
Executive Director  
National Association for Pupil Transportation  
1840 Western Avenue  
Albany, NY 12203-4624

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Executive Secretariat-LRM  
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National Transportation Safety Board  
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Tel: (202)314-6047  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

Mr. Mike Martin  
Executive Director  
National Association for Pupil Transportation  
1840 Western Avenue  
Albany, NY 12203-4624

Dear Mr. Martin:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the National Association for Pupil Transportation to act on the safety recommendations in this letter because we believe your organization can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.

- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendations to the National Association for Pupil Transportation. Additional information regarding these recommendations can be found in the noted sections of the report.

Inform your members of the circumstances of the Rochester, Indiana; Baldwyn, Mississippi; and Hartsfield, Georgia, crashes, and urge them to minimize the use of school bus stops that require students to cross a roadway (especially a high-speed roadway) and to, at least annually, and also whenever a route hazard is identified, evaluate the safety of their school bus routes and stops. (H-20-15) (See section 2.3.1.)

Remind your members to ensure that school transportation directors and others involved in evaluating school bus routes and stops complete training on how to assess the safety of school bus routes and stops, according to best industry practices. (H-20-16) (See section 2.3.1.)

Advise your members to train their school bus drivers and students on crossing procedures, including the crossing hand signal and the danger signal, which are to be used when a student roadway crossing cannot be avoided. (H-20-17) (See section 2.3.2.)

Urge your members to continue to coordinate with local law enforcement agencies to conduct educational and enforcement activities aimed at reducing illegal school bus passings. (H-20-18) (See section 2.4.2.)

To aid you in implementing these recommendations, we are also attaching an article regarding our investigations of these crashes that you may use, either in its entirety or modified to fit the length and style considerations of your publication and/or website. We ask that you publish it, or similar content, in the next issue of your newsletter and/or website, and that you send us a copy of the newsletter or a link to the website article once it has been published.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

April 21, 2020

Mr. Charlie Hood  
Executive Director  
National Association of State Directors of Pupil  
Transportation Services  
8205 Bristol Ct.  
Tallahassee, FL 32311-9406

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

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National Association of State Directors of Pupil  
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Accordingly, the NTSB makes the following safety recommendations to the National Association of State Directors of Pupil Transportation Services. Additional information regarding these recommendations can be found in the noted sections of the report.

Inform your members of the circumstances of the Rochester, Indiana; Baldwin, Mississippi; and Hartsfield, Georgia, crashes, and urge them to minimize the use of school bus stops that require students to cross a roadway (especially a high-speed roadway) and to, at least annually, and also whenever a route hazard is identified, evaluate the safety of their school bus routes and stops. (H-20-15) (See section 2.3.1.)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Michael LaRocco, President, National Association of State Directors of Pupil Transportation Services

April 21, 2020

Mr. Curt Macysyn  
Executive Director  
National School Transportation Association  
623 North Broad Street  
Lansdale, PA 19446-2316

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

Mr. Curt Macysyn  
Executive Director  
National School Transportation Association  
623 North Broad Street  
Lansdale, PA 19446-2316

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Accordingly, the NTSB makes the following safety recommendations to the National School Transportation Association. Additional information regarding these recommendations can be found in the noted sections of the report.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. John Benish, President, National School Transportation Association

April 21, 2020

Mr. Vincent Talucci  
Executive Director/Chief Executive Officer  
International Association of Chiefs of Police  
44 Canal Center Plaza #200  
Alexandria, VA 22314

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

Mr. Vincent Talucci  
Executive Director/Chief Executive Officer  
International Association of Chiefs of Police  
44 Canal Center Plaza #200  
Alexandria, VA 22314

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Accordingly, the NTSB makes the following safety recommendation to the International Association of Chiefs of Police. Additional information regarding this recommendation can be found in the noted section of the report.

Inform your members of the fatal Rochester, Indiana; Baldwin, Mississippi; and Hartsfield, Georgia, crashes, and encourage them to continue to work with local school districts to conduct educational and enforcement activities to reduce illegal school bus passings. (H-20-19) (See section 2.4.2)

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Ms. Sara Horn, Assistant Director, Programs, International Association of Chiefs of Police

April 21, 2020

Mr. Mo Canady  
Executive Director  
National Association of School Resource Officers  
2020 Valleydale Road, Suite 207A  
Hoover, AL 35244

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

Mr. Mo Canady  
Executive Director  
National Association of School Resource Officers  
2020 Valleydale Road, Suite 207A  
Hoover, AL 35244

Dear Mr. Canady:

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Officer Rudy Perez (LA School Police Department), Vice President of National Association of School Resource Officers

April 21, 2020

Mr. Jonathan F. Thompson  
Executive Director  
National Sheriffs' Association  
1450 Duke Street  
Alexandria, VA 22314

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendation may be found in the attached report, which can also be accessed at <http://www.nts.gov>. For more information about NTSB and our recommendation process, please see the attached one-page summary.

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendation by number (for example, H-20-19). We encourage you to submit your response to [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov). If your reply exceeds 20 megabytes, including attachments, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Executive Secretariat-LRM  
Office of the Managing Director  
National Transportation Safety Board  
490 L'Enfant Plaza SW  
Washington, DC 20594  
Tel: (202)314-6047  
Email: [ExecutiveSecretariat@nts.gov](mailto:ExecutiveSecretariat@nts.gov)



# National Transportation Safety Board

Washington, DC 20594

Office of the Chairman

April 21, 2020

Mr. Jonathan F. Thompson  
Executive Director  
National Sheriffs' Association  
1450 Duke Street  
Alexandria, VA 22314

Dear Mr. Thompson:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the National Sheriffs' Association to act on the safety recommendation in this letter because we believe your organization can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High-Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle-to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendation to the National Sheriffs' Association. Additional information regarding this recommendation can be found in the noted section of the report.

Inform your members of the fatal Rochester, Indiana; Baldwin, Mississippi; and Hartsfield, Georgia, crashes, and encourage them to continue to work with local school districts to conduct educational and enforcement activities to reduce illegal school bus passings. (H-20-19) (See section 2.4.2)

To aid you in implementing this recommendation, we are also attaching an article regarding our investigations of these crashes that you may use, either in its entirety or modified to fit the length and style considerations of your publication and/or website. We ask that you publish it, or similar content, in the next issue of your newsletter and/or website, and that you send us a copy of the newsletter or a link to the website article once it has been published.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement this recommendation. When replying, please refer to the safety recommendation by number (Safety Recommendation H-20-19). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Michael Sabol, Project Manager, National Sheriffs' Association

April 21, 2020

Mr. Blaine Conley  
Superintendent/Transportation Director  
Tippecanoe Valley School Corporation  
8343 State Route 19  
Akron, IA 46910

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters.

The attached letter from the NTSB Chairman provides information about the NTSB's March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

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Office of the Chairman

# National Transportation Safety Board

Washington, DC 20594

April 21, 2020

Mr. Blaine Conley  
Superintendent/Transportation Director  
Tippecanoe Valley School Corporation  
8343 State Route 19  
Akron, IN 46910

Dear Mr. Conley:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the Tippecanoe Valley School Corporation to act on the safety recommendations in this letter because we believe your organization can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 31, 2020, report *Vehicle Collision With Student Pedestrians Crossing High Speed Roadway to Board School Bus, Rochester, Indiana, October 30, 2018*, NTSB/HAR-20/02. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Deficiencies in establishing safe school bus routes and stop locations.
- Failure of other drivers to stop or otherwise respond safely when approaching a school bus that is stopped with its warning lights on and stop arm extended.
- Need for greater use of technologies to prevent collisions with, and mitigate injuries of, student pedestrians, including vehicle to-everything (V2X), pedestrian automatic emergency braking, and school bus safety-enhancing technologies.

Accordingly, the NTSB makes the following safety recommendations to the Tippecanoe Valley School Corporation. Additional information regarding these recommendations can be found in the noted sections of the report.

Implement a process to track school bus driver and parent (or caregiver) complaints regarding the safety of school bus routes and stops, as well as any other safety concerns about bus operations, from initial submission of an issue to its resolution. (H-20-20) (See section 2.3.1)

Train your school bus drivers and students on crossing procedures, including the crossing hand signal and the danger signal, which are to be used when a student roadway crossing cannot be avoided. (H-20-21) (See section 2.3.2)

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendations by number (Safety Recommendations H-20-20 and -21). We encourage you to submit your response to [ExecutiveSecretariat@ntsb.gov](mailto:ExecutiveSecretariat@ntsb.gov). If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

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Sincerely,

[Original Signed]

Robert L. Sumwalt, III  
Chairman

cc: Mr. Philip Zimmerly, attorney at Bose McKinney and Evans LLP



# NTSB Recommendations and You

The National Transportation Safety Board (NTSB) is an independent federal agency charged with investigating and determining the probable cause of transportation accidents. We do not make regulations, but we do issue recommendations to organizations such as yours when we discover shortcomings in the transportation system that increase the risk of accidents. **As a result of our investigative activities, we have issued one or more safety recommendations that we believe you can act on to improve transportation safety.**

## Why did the NTSB issue my organization a safety recommendation?

We issue safety recommendations to organizations that can bring about change to reduce the risk of accidents, either through their direct role in the transportation industry, their legislative or regulatory authority, or the significant influence they have among others in the industry. We believe your organization is able to make or influence such changes.

## What does the NTSB expect of safety recommendation recipients?

First and foremost, we encourage you to promptly take the recommended action to improve safety. Because we're eager to see recommendations implemented before more accidents occur, we follow recipients' efforts to implement each recommendation. We ask that you update us any time you achieve a significant milestone in your progress toward implementing the attached recommendation(s), or at least annually. We will provide feedback on your efforts by classifying each recommendation as open or closed, acceptable or unacceptable.<sup>1</sup> Information about your actions associated with your recommendation(s) is available at our [website](#) so that the public can see our combined efforts to improve transportation safety.

<sup>1</sup> For a full description of our safety recommendation classifications, see the [Status Explanation](#) page on our website.

## What should our response to the NTSB include?

Please respond to us within **90 days (30 for urgent recommendations)** explaining the specific actions you have taken or intend to take in response to the safety recommendation(s), and propose a timeline for completion. We understand organizations today are faced with competing priorities and limited resources, which can make implementing our recommendations a challenge. If, for any reason, you are not able to take the recommended action, or if you believe an alternate action would be more appropriate for your organization, please explain why. When you respond, please provide an e-mail address for future communications. We will review your response and provide feedback.

## What if my organization doesn't believe the recommended action is the best way to improve safety?

We base our recommendations on the evidence, facts, and circumstances of the accidents we investigate. Sometimes industry leaders identify ways to attain the same safety objective more efficiently, and we encourage recipients to share their ideas with us. In these cases, we will evaluate the alternate means of achieving the safety objective and provide feedback. We believe safety is a collaborative effort, and we're happy to work with your organization to set goals and make improvements.

## Why does the NTSB expect us to take action, even though our organization wasn't responsible for the accident that resulted in the safety recommendation?

Our goal is to prevent accidents. Often, the factors we identify as causing or contributing to an accident are not unique—they represent common practices or situations that may be accidents waiting to happen. In such instances, we may make recommendations intended to raise the minimum standard for safety throughout the industry.

## How do we contact the NTSB to provide updates or obtain further information?

Please contact us electronically at [executivesecretariat@ntsb.gov](mailto:executivesecretariat@ntsb.gov). If you wish to send us supporting documentation that, with your response, exceeds 10 megabytes, please contact us at the same e-mail address for instructions.

You can also reach our Safety Recommendations staff at **(202) 314-6290** (please ask to be directed to the Safety Recommendations Division).

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Safety Board  
[www.ntsb.gov](http://www.ntsb.gov)

***We look forward to working with you to prevent accidents and save lives!***



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## Stopping Motorists from Illegally Passing a School Bus

In the world of traffic safety, school bus-related crashes are relatively rare occurrences. According to National Highway Traffic Safety Administration data for 2017, 95 fatalities occurred in school transportation-related crashes; 10 of these fatalities were pedestrians struck by a school bus or another vehicle. However, the potential for a child to be hit by a passing vehicle is very high – the National Association of State Directors of Pupil Transportation Services estimates that each school year as many as 17 million vehicles illegally pass a school bus that has its warning lights on, has its stop arm extended, and is stopped to load or unload students. The consequences can be deadly.

On Tuesday, October 30, 2018, at about 7:12 a.m., three children died, and one child sustained serious injuries, when they were struck by a pickup truck while crossing a high-speed roadway with a posted speed limit of 55 mph to board their school bus in Rochester, Indiana. The school bus driver had stopped the bus at the designated school bus stop and switched on its red lights, which extended the stop arm. The school bus driver indicated that he saw a vehicle approaching from the opposite direction and expected the vehicle to stop as it got closer to his bus. He signaled to the waiting children, and the parent waiting with them, that it was safe to cross the roadway. Catastrophically, the pickup truck driver did not begin to brake until she saw the students in the roadway and ultimately struck four students at a recorded speed of 41 mph.

The NTSB determined that the probable cause of this crash was the passing driver's failure to stop for the school bus despite its clearly visible warning lights and stop arm. Additionally, the NTSB identified the school district as contributing to the crash because of its inadequate safety assessment of school bus routes, which led to a prevalence of bus stops that required students to cross a high-speed roadway to board a school bus, and its failure to establish clear policies regarding surrounding traffic for school bus drivers.

This crash was not an isolated event. In late October 2018, two other crashes occurred involving vehicles illegally passing school buses that were stopped to pick up students. In Hartsfield, Georgia, a school bus driver stopped the bus at a designated location on a 55 mph roadway. The bus's warning lights were on and its stop arm was extended. Two students began to cross the roadway to board the stopped bus, which was on the opposite side of the road from them. At the same time, an approaching car did not stop for the school bus and struck both of the students, killing one and seriously injuring the other. In Baldwyn, Mississippi, a student was crossing a 55 mph roadway to board the school bus, which was stopped with its warning lights on and stop arm extended, when an approaching vehicle failed to stop, again striking and killing the student.

What role do law enforcement officers play in school bus safety?

The law enforcement community can work with local school districts to:

- Conduct educational activities to reduce illegal school bus passings.
- Alert motorists to the dangers and potential consequences of passing a school bus that is stopped to load or unload passengers.
- Conduct enforcement activities to reduce illegal school bus passings.

- If available in your district, regularly review information from stop arm cameras. The information can be used to identify areas where officers can be assigned to alert people to the dangers of illegally passing a school bus and enforce laws.

Additional information about the vehicle collision with student pedestrians crossing a high-speed roadway to board a school bus that occurred in Rochester, Indiana, including the full crash report, can be found on the NTSB website at [www.NTSB.gov](http://www.NTSB.gov), highway accident report NTSB/HAR-20/02.

## Keeping Students Safe from Motorists who Pass School Buses

Every one of the 50 states has a law making it illegal to pass a school bus with its red lights flashing and stop arm extended that is stopped to load or unload students. Yet, the latest National Association of State Directors of Pupil Transportation Services survey of illegal school bus passings estimates that each school year more than 17 million vehicles across the country pass a stopped school bus with its warning lights on and stop arm extended, loading or unloading students. Unfortunately, the risk to school children is great, and the consequences of this illegal behavior can be deadly.

On Tuesday, October 30, 2018, at about 7:12 a.m., three children died, and one child sustained serious injuries, when they were struck by a pickup truck while crossing a high-speed roadway with a posted speed limit of 55 mph to board their school bus in Rochester, Indiana. The school bus driver had stopped the bus at the designated school bus stop and switched on its red lights, which extended the stop arm. The school bus driver indicated that he saw a vehicle approaching from the opposite direction and expected that vehicle to stop as it got closer to his bus. He signaled to the waiting children, and the parent waiting with them, that it was safe to cross the roadway. Catastrophically, the pickup truck driver did not begin to brake until she saw the students in the roadway and ultimately struck four students at a recorded speed of 41 mph.

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While the school bus industry is fortunate that it has seen a decrease in student fatalities during loading and unloading activities, the potential for such crashes is high, and the consequences are deadly.

What can be done to prevent vehicles from passing a school bus that is stopped to load or unload students? The NTSB recommends the following:

- Eliminate routes that require students to cross a roadway, especially high-speed roadways. Higher speeds give drivers less time to react to unexpected events, make for longer vehicle stopping distances, and tend to result in more severe injuries if a crash occurs. Review your routes and make changes to allow students to stay on their side of the roadway so they won't have to cross the road to board the bus or get to their home.
- Evaluate school bus routes and stops from a safety perspective. What are the potential dangers to the students? Is this a high-speed roadway? Is there a lot of passing traffic? Is there a safe place for children to wait for the bus? Will students be visible to other motorists? This kind of route and stop scrutiny should take place at least once per year. And because things change in life, including bus routes, assess any problem areas that comes to light throughout the year. Can something be done to eliminate the hazard?
- Ensure that personnel who are involved in developing school bus routes know how to identify hazards. School transportation directors may go out on the roadway to review routes, but school bus drivers are out there regularly and should have some training in what risks to look for. Is there an increase in traffic? Does the bus driver notice vehicles passing him illegally when he is stopped to load students in a particular location? Has new construction created a dangerous situation for the students?
- Work with local police departments to educate motorists on the dangers of passing a school bus that is stopped to load or unload students or conduct high visibility enforcement campaigns aimed at stopping vehicles from illegally passing a school bus. Police departments are knowledgeable about dangers along the roadway and can help identify hazards on bus routes or at stops.
- Train school bus drivers and students. Are your school bus drivers and students trained in proper crossing procedures? Do both the bus drivers and the students know what to do if a car approaches and doesn't look like it is going to stop? Are crossing signals and danger signals used consistently by all school bus drivers in the district? Do the students know what the signals mean?

Technology is also an option for preventing collisions. Some districts are looking at the use of stop arm cameras on school buses both to increase enforcement against those who illegally pass a school bus and to deter them from ever passing a school bus. Supplemental lighting, extended stop arms, and audible warnings connected to cameras are also technologies that are being developed, used, and evaluated. The NTSB recommended that the National Highway Traffic Safety Administration study these systems to provide the guidance to states and districts on which systems are most effective at preventing illegal school bus passings. In the meantime, minimize risks on your school bus routes.

Additional information about the vehicle collision with student pedestrians crossing a high-speed roadway to board a school bus that occurred in Rochester, Indiana, including the full crash report, can be found on the NTSB website at [www.NTSB.gov](http://www.NTSB.gov), highway accident report NTSB/HAR-20/02.