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ARKANSAS DEPARTMENT OF TRANSPORTATION
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Free language assistance for the Limited English Proficient individuals is available upon request.

This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.
Wrong-Way Crash Study
Calendar Year 2015

Act 641 of the 87th Arkansas General Assembly requires the Arkansas Department of Transportation (Department) to analyze all wrong-way crashes on the Interstates and other freeways with full control of access and to prepare an annual report. Furthermore, the Act requires that based on the findings in the report, the Department is to implement appropriate countermeasures when warranted to reduce the possibility of wrong-way crashes. Accordingly, Minute Order 2009-035 was adopted by the Arkansas State Highway Commission on February 25, 2009. This Minute Order authorized an annual analysis of wrong-way crashes on these routes to determine if additional traffic control devices are warranted. Copies of Act 641 and Minute Order 2009-035 are shown in Appendices A and B respectively.

An annual analysis of wrong-way crashes identifies the locations to be investigated. The investigation consists of reviewing the signing and striping for compliance with the minimum requirements of the Manual on Uniform Traffic Control Devices (MUTCD) as well as compliance with the current Department signing practices. The minimum requirements as specified in Section 2B.41 of the MUTCD 2009 Edition include the following:

1. At least one “ONE WAY” sign for each direction of travel on the crossroad shall be placed where the exit ramp intersects the crossroad.
2. At least one “DO NOT ENTER” sign shall be conspicuously placed near the downstream end of the exit ramp in positions appropriate for full view of a road user starting to enter wrongly from the crossroad.
3. At least one “WRONG WAY” sign shall be placed on the exit ramp facing a road user traveling in the wrong direction.

The current Department practice is to install the minimum required signs and markings from the MUTCD plus additional optional signs and markings (see Figure 1). If necessary, the oversized signs as shown in Table 2B-1 in the MUTCD are installed. This practice enhances the conspicuity of the signage and provides added protection to ensure that the minimum required signage is in place should one of the sign assemblies be damaged or destroyed.

The analysis of 2015 crash data showed that 15 wrong-way crashes occurred on the Interstates and other freeways with full control of access (see Figure 2). The crash analysis was conducted on those crashes that involved a vehicle entering or traveling in the wrong direction on the controlled access facility; crossover crashes were not included. These crashes are summarized in Table 1. Table 2 shows a comparison of the 2015 wrong-way crashes with 2013 and 2014 and Figure 3 provides an overview of wrong-way crash history since Calendar Year 2008.

Following the crash analysis, an investigation of the locations where the wrong-way crashes occurred was completed in May 2017.
Table 1. Summary of Wrong-Way Crash Analysis in Calendar Year 2015

<table>
<thead>
<tr>
<th>Crash Severity</th>
<th>5 Fatal Crashes (8 fatalities)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Non-fatal Injury Crashes that include:</td>
<td>2 Incapacitating Injury Crashes</td>
</tr>
<tr>
<td>0 Non-Incapacitating Injury Crash</td>
<td></td>
</tr>
<tr>
<td>1 Possible Injury Crash</td>
<td></td>
</tr>
<tr>
<td>7 Property Damage Only Crashes (PDO)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crash Type</th>
<th>Road Surface Condition</th>
<th>Contributing Factors</th>
<th>Light Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head On</td>
<td>Dry 15</td>
<td>Alcohol 6</td>
<td>Dark 12</td>
</tr>
<tr>
<td>Angle</td>
<td>Wet 0</td>
<td>Drugs 0</td>
<td>Daylight 3</td>
</tr>
<tr>
<td>Sideswipe</td>
<td></td>
<td>*None 5</td>
<td>Dark but Lighted</td>
</tr>
<tr>
<td>Single Vehicle</td>
<td></td>
<td>**Unknown 3</td>
<td></td>
</tr>
</tbody>
</table>

* Driver was not impaired
**Not determined if driver was impaired
Figure 2. Wrong-Way Crash Locations in Calendar Year 2015

2015 Wrong Way Crashes

2015 Wrong Way Crashes
- Fatal or Serious Injury
- Injury or Possible Injury
- Property Damage Only
- Sideswipe Opposite Direction
- Head On
- Single Vehicle Crash
- Angle

See Inset A on the map for more details.
Consequently, a total of 31 interchange off-ramps were reviewed that resulted in the following findings:

1. Thirteen off-ramps were in compliance with the MUTCD minimum requirements as well as the Department standards. Six of the ramps (Exits 124, 127, and 173 on I-40, Exit 4 and 5B on Hwy 270, and Exit 1 on I-430) had the correct type of signs to be in compliance with the MUTCD and the Department standards; however, some of the signs will be replaced with larger signs to increase visibility. Eight ramps (Exits 13, 55, and 78 on I-40, Exit 21 on I-40, Exit 5A on Hwy 270, and Exits 141B, 142, and 153 on I-530) were in compliance with MUTCD standards but were not in compliance with the Department standards. Two of the ramps (Exit 76 on I-49 and Exit 31 on I-30) failed to comply with MUTCD or the Department signing requirements. Two of the ramps (Exit 73 on I-49 and Exit 260 on I-40) were under construction and had temporary signing in place.

2. All of the sign corrections are scheduled to be implemented by statewide signing crews as soon as possible.
Findings of this investigation are also summarized in Table 3. Crash location maps, along with diagrams of the interchanges, investigation reports and crash reports are included in Appendix C.

In January of 2017, the Department let a $3.1 million contract for safety improvements (Job 012260), in an effort to reduce wrong-way incursions on Arkansas’ freeways. Low-cost countermeasures, primarily signs and pavement markings, were chosen, but applied on a statewide basis to maximize effectiveness. “WRONG WAY” and “DO NOT ENTER” signs were lowered with brighter sheeting and reflective post panels to increase the conspicuity of these important signs. Thermoplastic wrong-way pavement arrows were added to every exit ramp, and lane use arrows were applied to two-way frontage roads that intersected an exit ramp. Other pavement markings included stop and yield lines at every exit ramp, as well as “cat track” pavement markings to guide left-turning motorists to the correct ramp at side-by-side ramps. Lastly, red delineators were installed at every exit ramp to give potential wrong-way drivers more visual cues they were traveling the wrong direction. To further curtail wrong-way driving, the Department has adopted these countermeasures as standard practice when building new ramps or rehabilitating existing ones. This project is projected to be completed in May 2018.
### Table 3. List of Wrong-Way Crashes on Interstates and Other Freeways in Calendar Year 2015

<table>
<thead>
<tr>
<th>County</th>
<th>Crash #</th>
<th>Rte</th>
<th>Sec</th>
<th>LM</th>
<th>i Crash</th>
<th># Fat.</th>
<th># Inj.</th>
<th>Type</th>
<th>Date</th>
<th>Time</th>
<th>Urban/Rural</th>
<th>Light Condition</th>
<th>Surf. Cond.</th>
<th>Impaired</th>
<th>System</th>
<th>Exit Number Reviewed</th>
<th>MUTCD</th>
<th>ARDOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benton</td>
<td>2015001121</td>
<td>49</td>
<td>29</td>
<td>79.586</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Single Vehicle Crash</td>
<td>8/2/2015</td>
<td>2:20 AM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>Alcohol</td>
<td>Interstate</td>
<td>73, 76, 78</td>
<td>U, N, Y</td>
<td>U, N, Y</td>
</tr>
<tr>
<td>Benton</td>
<td>2015020701</td>
<td>49</td>
<td>29</td>
<td>79.434</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Angle</td>
<td>9/9/2015</td>
<td>11:26 AM</td>
<td>Urban</td>
<td>Daylight</td>
<td>Dry</td>
<td>No</td>
<td>Interstate</td>
<td>81</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Crawford</td>
<td>201502575</td>
<td>40</td>
<td>11</td>
<td>14.782</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Single Vehicle Crash</td>
<td>9/6/2015</td>
<td>3:45 PM</td>
<td>Urban</td>
<td>Daylight</td>
<td>Dry</td>
<td>Sick or Fainted</td>
<td>Interstate</td>
<td>13, 21</td>
<td>Y, Y</td>
<td>N, N</td>
</tr>
<tr>
<td>Faulkner</td>
<td>2015067840</td>
<td>40</td>
<td>32</td>
<td>122.900</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Head On</td>
<td>6/14/2015</td>
<td>9:50 AM</td>
<td>Urban</td>
<td>Daylight</td>
<td>Dry</td>
<td>Unknown</td>
<td>Interstate</td>
<td>124, 125, 127</td>
<td>Y, Y, Y</td>
<td>Y, Y, Y</td>
</tr>
<tr>
<td>Garland</td>
<td>2015030457</td>
<td>270</td>
<td>5</td>
<td>21.580</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>Head On</td>
<td>8/29/2015</td>
<td>1:28 AM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>No</td>
<td>U.S. Highway</td>
<td>4, 5A, 5B</td>
<td>Y, Y, Y</td>
<td>Y, N, Y</td>
</tr>
<tr>
<td>Hempstead</td>
<td>2015066631</td>
<td>30</td>
<td>12</td>
<td>24.257</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>Head On</td>
<td>5/11/2015</td>
<td>9:05 PM</td>
<td>Rural</td>
<td>Dark</td>
<td>Dry</td>
<td>No</td>
<td>Interstate</td>
<td>30, 31</td>
<td>Y, N</td>
<td>Y, N</td>
</tr>
<tr>
<td>Jefferson</td>
<td>2015063033</td>
<td>530</td>
<td>5</td>
<td>41.684</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>Single Vehicle Crash</td>
<td>3/8/2015</td>
<td>2:55 AM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>Alcohol</td>
<td>Interstate</td>
<td>42, 43</td>
<td>Y, Y</td>
<td>Y, Y</td>
</tr>
<tr>
<td>Johnson</td>
<td>2015088789</td>
<td>40</td>
<td>241</td>
<td>0.030</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Single Vehicle Crash</td>
<td>3/15/2015</td>
<td>11:10 PM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>Alcohol</td>
<td>Ramp</td>
<td>55</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Johnson</td>
<td>2015068519</td>
<td>40</td>
<td>21</td>
<td>69.800</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Sideswipe Opp. Direction</td>
<td>6/27/2015</td>
<td>3:41 AM</td>
<td>Rural</td>
<td>Dark</td>
<td>Dry</td>
<td>Alcohol</td>
<td>Interstate</td>
<td>67, 74, 78</td>
<td>Y, Y, Y</td>
<td>Y, Y, N</td>
</tr>
<tr>
<td>Lonoke</td>
<td>2015002361</td>
<td>40</td>
<td>561</td>
<td>0.190</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>Head On</td>
<td>8/28/2015</td>
<td>8:15 PM</td>
<td>Rural</td>
<td>Dark</td>
<td>Dry</td>
<td>Unknown</td>
<td>Ramp</td>
<td>173</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Pulaski</td>
<td>2015062849</td>
<td>430</td>
<td>21</td>
<td>4.012</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Single Vehicle Crash</td>
<td>2/28/2015</td>
<td>5:10 AM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>Alcohol</td>
<td>Interstate</td>
<td>1, 4</td>
<td>Y, Y</td>
<td>Y, Y</td>
</tr>
<tr>
<td>Pulaski</td>
<td>201507540</td>
<td>440</td>
<td>1</td>
<td>2.000</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>Head On</td>
<td>11/26/2015</td>
<td>6:48 PM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>Alcohol</td>
<td>Interstate</td>
<td>3, 4, 5</td>
<td>Y, Y, Y</td>
<td>Y, Y, Y</td>
</tr>
<tr>
<td>Pulaski</td>
<td>2015062962</td>
<td>530</td>
<td>1</td>
<td>4.066</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>Head On</td>
<td>9/13/2015</td>
<td>2:19 AM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>Unknown</td>
<td>Interstate</td>
<td>141B, 142, 153</td>
<td>Y, Y, Y</td>
<td>N, N, N</td>
</tr>
<tr>
<td>St. Francis</td>
<td>2015064720</td>
<td>40</td>
<td>703</td>
<td>0.019</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>Angle</td>
<td>4/9/2015</td>
<td>1:30 AM</td>
<td>Rural</td>
<td>Dark</td>
<td>Dry</td>
<td>No</td>
<td>Ramp</td>
<td>260</td>
<td>U</td>
<td>U</td>
</tr>
<tr>
<td>Washington</td>
<td>201506784</td>
<td>49</td>
<td>28</td>
<td>71.802</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>Sideswipe Opp. Direction</td>
<td>1/22/2015</td>
<td>6:23 PM</td>
<td>Urban</td>
<td>Dark</td>
<td>Dry</td>
<td>No</td>
<td>Interstate</td>
<td>72</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

1. Crash Severity = 1-fatal crash; 2-incapacitating injury crash; 3-non-incapacitating injury crash; 4-possible injury crash; and 5-property damage only.
2. Meets MUTCD Standard, Y=Yes, N=No, or U=Under construction temporary signing in place
3. Meets ARDOT Standard, Y=Yes, N=No, or U=Under construction temporary signing in place
APPENDIX A

Act 641
Section 1. Arkansas Code Title 27, Chapter 65, Subchapter 1 is amended to add an additional section to read as follows:

(a) The Arkansas State Highway and Transportation Department shall analyze all reported wrong-way crashes on interstate highways and other freeways that are a part of the state highway system to determine whether the installation of additional traffic control devices is warranted and feasible in order to reduce the possibility of future wrong-way crashes.

(b) Any additional traffic control devices installed under subsection

(c) A person may not file a legal action as a result of the implementation of any recommendations made from studies conducted under this section.

SECTION 2. DO NOT CODIFY. This act shall begin with a reporting period in 2009 and annually thereafter.

APPROVED: 3/27/2009
APPENDIX B

Minute Order 2009-035
MINUTE ORDER

District: Statewide
County: Statewide
Category: Commission Policy

WHEREAS, the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users of 2005 (SAFETEA-LU) requires each state to develop and implement a Strategic Highway Safety Plan (SHSP) that involves a comprehensive and collaborative approach to highway safety; and

WHEREAS, Minute Order 2007-091 adopted Arkansas’ SHSP as a planning guide for improving highway safety in the State; and

WHEREAS, one emphasis area identified in Arkansas’ SHSP is to reduce the number of head-on crashes; and

WHEREAS, head-on crashes occur from time to time on Interstates and other freeways as a result of wrong-way travel on these fully access controlled routes.

NOW THEREFORE, the Director is authorized to conduct an annual analysis, beginning with the 2009 reporting period, of all reported wrong-way crashes on Interstate highways and other freeways that are a part of the state highway system to determine whether the installation of additional traffic control devices is warranted and feasible to reduce the possibility of future wrong-way crashes.

FURTHERMORE, any additional traffic control devices installed as a result of the annual analysis will conform to the Manual on Uniform Traffic Control Devices for Street and Highways, which is approved by the Federal Highway Administrator as the National Standard in accordance with Title 23 U.S. Code, Sections 109(d), 114(a), 217, 315, and 402(s), 23 CFR 655, and 49 CFR 1.48(b)(8), 1.48(b)(33), and 1.48(c)(2), and is the manual adopted by the Arkansas Highway Commission pursuant to Arkansas Code Annotated Section 27-52-104.

[Signatures]

Form 19-456
Rev. 08/01/2007
APPENDIX C

Crash Location Maps,
Photos of Interchanges, and Crash Reports
Crash Number 2015501121

Interstate 49, Exits 73, 76, and 78 in Benton County

Maintenance Review
The driver accessed I-49 southbound possibly at Exits 73, 76, or 78, and traveled northbound in the southbound lanes. The driver was involved in a single vehicle crash that resulted in property damage only at log mile 79.586.

Maintenance Review Results
The interchange at Exit 78 was reviewed. All Pavement markings and signs were in place and in conformance with MUTCD and ArDOT standards. The interchange at Exit 73 was reviewed and is currently under construction and has temporary signing in place. The interchange at Exit 76 was reviewed. Pavement markings and signs were in place but were not in conformance with MUTCD or ArDOT standards. The One Way signs and Do Not Enter signs were missing and will be installed to be in conformance with MUTCD and ArDOT standards. These modifications will be implemented by statewide forces as soon as possible.
Maintenance Review
The driver accessed I-49 northbound and traveled south at Exit 81. The driver was involved in a property damage only angle collision at log mile 79.434.

Maintenance Review Results
The interchange at Exit 81 was reviewed. All signs and pavement markings were in compliance with MUTCD and ARDOT standards.
**Interstate 40, Exits 13 and 21 in Crawford County**  
**Crash Number 2015502575**

**Maintenance Review**  
The driver accessed the I-40 westbound lanes possibly at Exit 13 or Exit 21 on I-49. The driver proceeded eastbound in the westbound lanes and was involved in a single vehicle crash with a westbound vehicle which resulted in property damage only at the 14.782 mile marker.

**Maintenance Review Results**  
The westbound interchange at Exit 13 was reviewed. The pavement markings and signs were in place and in compliance with MUTCD, but not ArDOT standards. Additional One Way signs will be installed in order to be in compliance with ArDOT standards. Larger Do Not Enter signs will also be installed. The northbound interchange at Exit 21 on I-49 was reviewed. The pavement markings and signs were in place and in compliance with MUTCD, but not ArDOT standards. Larger Keep Right signs will be installed; and a Stop sign was missing and will be installed. These modifications will be implemented by statewide forces as soon as possible.
Crash # 2015502575
Interstate 40, Section 11, Log Mile 14.782, Crawford County

Wrong-Way Crash Study 2015
Appendix C
Crash # 2015067840
Interstate 40, Section 32, Log Mile 122.900, Faulkner County

Interstate 40, Exits 124, 125, and 127 in Faulkner County
Crash Number 2015067840

Maintenance Review
The driver accessed I-40 eastbound possibly at Exit 124, 125, or 127 and traveled west in the eastbound lanes. The driver was involved in a head on crash that resulted in a fatality at the 122.900 log mile.

Maintenance Review Results
The interchanges at Exits 124 and 127 were reviewed. All pavement markings and signs were in place and in conformance with MUTCD and ArDOT standards. However, Wrong Way signs and One Way signs will be replaced with larger signs and additional signs will be added to these interchanges. The stop signs at Exit 124 will also be replaced with larger signs to increase visibility. These modifications will be performed by statewide forces as soon as possible. The interchange at Exit 125 was reviewed. All pavement markings and signs were in place and in conformance with MUTCD and ArDOT standards.
Maintenance Review
The driver possibly accessed Hwy. 270 eastbound at Exit 4, 5A, or 5B and traveled west on Hwy. 270 in the eastbound lanes. The driver was involved in a head on collision that resulted in a fatality at log mile 21.580.

Maintenance Review Results
The interchanges at Exit 4 and 5B were reviewed and pavement markings and signs were in conformance with MUTCD and ArDOT standards. However, some signs will be replaced due to age and condition and larger One Way signs will be installed to increase visibility. These modifications will be implemented by statewide forces as soon as possible.

The interchange at Exit 5A was reviewed. Pavement markings and signs were in place and in conformance with MUTCD, but not ArDOT standards. Additional One Way signs will be installed at the exit ramp. These modifications will be implemented by statewide forces as soon as possible.
**Maintenance Review**

The driver accessed I-30 eastbound at Exit 30 or Exit 31 and traveled west on I-30 in the eastbound lanes. The driver was involved in a serious injury head on collision at log mile 24.257.

**Maintenance Review Results**

The interchange at Exit 31 was reviewed and pavement markings and signs did not conform to MUTCD or ArDOT standards. One Way and Wrong Way signs were missing and will be installed. Stop signs, Do Not Enter signs, and Keep Right signs will be replaced with larger signs. These modifications will be implemented by statewide forces as soon as possible to be in compliance with MUTCD and ArDOT standards.

The interchange at Exit 30 was reviewed and pavement markings and signs were in place and in conformance with MUTCD and ArDOT standards.
Crash Number 2015063033

Interstate 530, Exits 42 and 43 in Jefferson County

Maintenance Review
The driver accessed I-530 southbound possibly at Exit 42 or Exit 43 and traveled north in the southbound lanes. The driver was involved in a serious injury single vehicle crash with a bridge at log mile 41.684.

Maintenance Review Results
The interchanges at Exit 42 and Exit 43 were reviewed. Pavement markings and signs were in conformance with MUTCD and ARDOT standards.
Interstate 40 Ramp, Exit 55 in Johnson County
Crash Number 2015008789

Maintenance Review
The driver accessed the eastbound off ramp of I-40 at Exit 55 from Hwy. 64 and traveled westbound in the eastbound lane. The driver was involved in a single vehicle collision that resulted in property damage only at log mile 0.030.

Maintenance Review Results
The interchange at Exit 55 was reviewed and pavement markings and signs were in conformance with MUTCD, but not ArDOT standards. One Way signs will be replaced with larger signs to be consistent with ArDOT standards. These modifications will be implemented by statewide forces as soon as possible.
Maintenance Review
The driver accessed the eastbound lane of I-40 possibly at Exit 67, 74, or 78 and traveled westbound in the eastbound lane. The driver was involved in a property damage only sideswipe opposite direction collision at log mile 69.800.

Maintenance Review Results
The interchange at Exit 78 was reviewed and pavement markings and signs were in conformance with MUTCD, but not ArDOT standards. One Way signs and Do Not Enter signs will be replaced with larger signs to be consistent with ArDOT standards. These modifications will be implemented by statewide forces as soon as possible.
The interchanges at Exit 67 and Exit 74 were reviewed. Pavement markings and signs were in place and in conformance with MUTCD and ArDOT standards.
Maintenance Review
The driver accessed the westbound ramp of I-40 at Exit 173 and traveled eastbound in the westbound lane. The driver was involved in a head on collision that resulted in two fatalities at log mile 0.190.

Maintenance Review Results
The interchange at Exit 173 was reviewed and pavement markings and signs were in conformance with MUTCD and ARDOT standards. One Way signs will be replaced with larger signs to increase visibility. These modifications will be implemented by statewide forces as soon as possible.
Maintenance Review
The driver accessed the southbound lane of I-430 possibly at Exit 1 or Exit 4 and traveled northbound in the southbound lane. The driver was involved in a single vehicle collision which resulted in property damage only at log mile 4.012.

Maintenance Review Results
The interchange at Exit 1 was reviewed and pavement markings and signs were in conformance with MUTCD and ARDOT standards. One Way signs and Do Not Enter signs will be replaced with larger signs to increase visibility. These modifications will be implemented by statewide forces as soon as possible. The interchange at Exit 4 was reviewed. Pavement markings and signs were in conformance with MUTCD and ARDOT standards. A Do Not Enter sign will be replaced with a larger sign to increase visibility. These modifications will be implemented by statewide forces as soon as possible.
Crash # 2015062849  Interstate 430, Section 21, Log Mile 4.012, Pulaski County

Wrong-Way Crash Study 2015  Appendix C
Maintenance Review
The driver accessed the eastbound lane of I-440 possibly at Exit 3, 4, or 5 and traveled westbound in the eastbound lane. The driver was involved in a head on collision that resulted in a fatality at log mile 2.000.

Maintenance Review Results
The interchange at Exit 3 was reviewed and pavement markings and signs were in conformance with MUTCD and ARDOT standards. However, One Way signs will need to be remounted. These modifications will be implemented by statewide forces as soon as possible.

The interchanges at Exit 4 and Exit 5 were reviewed. Pavement markings and signs were in conformance with MUTCD and ARDOT standards.
Maintenance Review
The driver accessed the eastbound lane of I-30 possibly at Exit 141B, 142, or 153 and traveled westbound in the eastbound lane. The driver then continued to travel southbound in the northbound lanes of I-530. The driver was involved in a head on collision that resulted in three fatalities at log mile 4.066.

Maintenance Review Results
The interchanges at Exit 141B and Exit 153 were reviewed. Pavement markings and signs were in conformance with MUTCD but not ArDOT standards. Larger Do Not Enter signs and One Way signs will be installed to be in conformance with ArDOT standards. These modifications will be implemented by statewide forces as soon as possible.

The interchange at Exit 142 was reviewed. Pavement markings and signs were in conformance with MUTCD but not ArDOT standards. Larger Wrong Way signs and Do Not Enter signs will be installed in order to be in conformance with ArDOT standards. These modifications will be implemented by statewide forces as soon as possible.
Maintenance Review
The driver accessed the eastbound lane of I-40 at Exit 260 and traveled westbound in the eastbound lane of the exit ramp. The driver was involved in an angle collision that resulted in a possible injury at log mile 0.019 on the exit ramp.

Maintenance Review Results
The interchange at Exit 260 is currently under construction and temporary signage was in place.
Interstate 49, Exit 72 in Washington County
Crash Number 2015060784

Maintenance Review
The driver accessed the southbound lane of I-49 at Exit 72 and traveled northbound in the southbound lane. The driver was involved in a property damage only sideswipe opposite direction collision at log mile 71.802.

Maintenance Review Results
The interchange at Exit 72 was reviewed. Pavement markings and signs were in conformance with MUTCD and ArDOT standards.