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# PBCAT

## PEDESTRIAN & BICYCLE

# CRASH ANALYSIS TOOL

## VERSION 2.0



U.S. Department of Transportation  
**Federal Highway Administration**

Research, Development, and Technology  
Turner-Fairbank Highway Research Center  
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## **FOREWORD**

Every year, scores of pedestrians and bicyclists are killed or injured in collisions with motor vehicles, exacting a terrible toll on individuals, families, businesses, and communities throughout the country. To respond to this national problem, the transportation community continues to develop innovative approaches to enhance the capacity of State and local coordinators, planners, and engineers to address traffic fatalities and injuries. The Pedestrian and Bicycle Crash Analysis Tool (PBCAT): Version 2.0 offers a dynamic and practical method for recording vital information about pedestrian and bicyclist crashes to produce diverse and useful reports. PBCAT also gives access to engineering, education, and enforcement countermeasures that represent promising procedures for mitigating crashes. The details PBCAT captures about crashes between motor vehicles and pedestrians or bicyclists, and the resources it presents, will further efforts of agencies nationwide to identify and select appropriate practices to improve pedestrian and bicyclist safety.

Michael Trentacoste, Director  
Office of Safety Research and Development

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# SI\* (MODERN METRIC) CONVERSION FACTORS

## APPROXIMATE CONVERSIONS TO SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol
<b>LENGTH</b>				
in	inches	25.4	millimeters	mm
ft	feet	0.305	meters	m
yd	yards	0.914	meters	m
mi	miles	1.61	kilometers	km
<b>AREA</b>				
in <sup>2</sup>	square inches	645.2	square millimeters	mm <sup>2</sup>
ft <sup>2</sup>	square feet	0.093	square meters	m <sup>2</sup>
yd <sup>2</sup>	square yard	0.836	square meters	m <sup>2</sup>
ac	acres	0.405	hectares	ha
mi <sup>2</sup>	square miles	2.59	square kilometers	km <sup>2</sup>
<b>VOLUME</b>				
fl oz	fluid ounces	29.57	milliliters	mL
gal	gallons	3.785	liters	L
ft <sup>3</sup>	cubic feet	0.028	cubic meters	m <sup>3</sup>
yd <sup>3</sup>	cubic yards	0.765	cubic meters	m <sup>3</sup>
NOTE: volumes greater than 1000 L shall be shown in m <sup>3</sup>				
<b>MASS</b>				
oz	ounces	28.35	grams	g
lb	pounds	0.454	kilograms	kg
T	short tons (2000 lb)	0.907	megagrams (or "metric ton")	Mg (or "t")
<b>TEMPERATURE (exact degrees)</b>				
°F	Fahrenheit	5 (F-32)/9 or (F-32)/1.8	Celsius	°C
<b>ILLUMINATION</b>				
fc	foot-candles	10.76	lux	lx
fl	foot-Lamberts	3.426	candela/m <sup>2</sup>	cd/m <sup>2</sup>
<b>FORCE and PRESSURE or STRESS</b>				
lbf	poundforce	4.45	newtons	N
lbf/in <sup>2</sup>	poundforce per square inch	6.89	kilopascals	kPa

## APPROXIMATE CONVERSIONS FROM SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol
<b>LENGTH</b>				
mm	millimeters	0.039	inches	in
m	meters	3.28	feet	ft
m	meters	1.09	yards	yd
km	kilometers	0.621	miles	mi
<b>AREA</b>				
mm <sup>2</sup>	square millimeters	0.0016	square inches	in <sup>2</sup>
m <sup>2</sup>	square meters	10.764	square feet	ft <sup>2</sup>
m <sup>2</sup>	square meters	1.195	square yards	yd <sup>2</sup>
ha	hectares	2.47	acres	ac
km <sup>2</sup>	square kilometers	0.386	square miles	mi <sup>2</sup>
<b>VOLUME</b>				
mL	milliliters	0.034	fluid ounces	fl oz
L	liters	0.264	gallons	gal
m <sup>3</sup>	cubic meters	35.314	cubic feet	ft <sup>3</sup>
m <sup>3</sup>	cubic meters	1.307	cubic yards	yd <sup>3</sup>
<b>MASS</b>				
g	grams	0.035	ounces	oz
kg	kilograms	2.202	pounds	lb
Mg (or "t")	megagrams (or "metric ton")	1.103	short tons (2000 lb)	T
<b>TEMPERATURE (exact degrees)</b>				
°C	Celsius	1.8C+32	Fahrenheit	°F
<b>ILLUMINATION</b>				
lx	lux	0.0929	foot-candles	fc
cd/m <sup>2</sup>	candela/m <sup>2</sup>	0.2919	foot-Lamberts	fl
<b>FORCE and PRESSURE or STRESS</b>				
N	newtons	0.225	poundforce	lbf
kPa	kilopascals	0.145	poundforce per square inch	lbf/in <sup>2</sup>

\*SI is the symbol for the International System of Units. Appropriate rounding should be made to comply with Section 4 of ASTM E380.  
(Revised March 2003)

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# CHAPTER 1. PRODUCT OVERVIEW

In 2004, 4,641 pedestrians and 725 bicyclists were killed, accounting for 13 percent of all traffic fatalities in the United States. An additional 68,000 pedestrians and 41,000 bicyclists were reported to be injured as a result of collisions with motor vehicles.<sup>1,2</sup> The Pedestrian & Bicycle Crash Analysis Tool (PBCAT) is a software product intended to assist state and local pedestrian and bicycle coordinators, planners, and engineers in addressing pedestrian and bicyclist crash problems.

PBCAT accomplishes this goal through the development and analysis of a database containing details associated with crashes between motor vehicles and pedestrians or bicyclists. One of these details is the crash type, which describes the pre-crash actions of the parties involved. With the database developed, the software can then be used to produce reports and select countermeasures to address the problems identified.

## CRASH TYPING

The development of effective countermeasures to help prevent bicyclist and pedestrian crashes is hindered by insufficient detail on computerized state crash files. Analysis of these data can provide information on where pedestrian and bicyclist crashes occur (city, street, intersection, two-lane road, etc.), when they occur (time of day, day of week, etc.), and characteristics of the victims involved (age, gender, injury severity, etc.). These data cannot provide a sufficient level of detail regarding the sequence of events leading to the crash.

In the 1970s, methods for typing pedestrian and bicycle crashes were developed by the National Highway Traffic Safety Administration to better define the sequence of events and precipitating actions leading to bicycle- and pedestrian-motor vehicle crashes.<sup>3,4</sup> In the 1990s, the methodologies were applied to over 8,000 pedestrian and bicycle crashes from six States. The results provided a representative summary of the distribution of crash types experienced by pedestrians and bicyclists.<sup>5,6,7</sup> This method has evolved over time and was refined during development version 1.0 of PBCAT.<sup>8</sup>

## VERSION 2.0 FEATURES

This version of the software has resulted in significant improvements in the functionality of the product and an improved design that makes the product easier to use. Some of the features of Version 2.0 include:

- User-friendly environment and improved navigation—A Microsoft® Windows® operation environment has been adopted and includes pull-down menus and toolbars.
- Form Designer—Users can customize their data entry form for inputting crash data. The form can be designed to match the police crash report used in their community.
- Group Crash Typing—An alternative version of crash typing is available for those users who do not wish to have the level of crash type detail offered in the traditional version.

- Location Data—Users have the option of recording the specific location information (e.g., approach leg and travel direction) for pedestrian crashes occurring at intersections.
- Crash Reports—Single variable and multivariable tables can be produced within the application, and the results can be exported to Excel for further customization and graphic production.
- Countermeasures—Users have access to detailed descriptions of engineering, education, and enforcement countermeasures that are provided to address specific types of crashes.
- Expert System Tools—Links are provided to online expert systems tools for additional help with countermeasure selection.
- Import/Export Capabilities—A conversion utility is included for importing PBCAT 1.0 data sets, and data may be exported in several formats for users who wish to conduct more sophisticated analyses with other applications (e.g., SAS® or Excel®).

## APPLICATIONS

As previously noted, the principal objective of the PBCAT application is to allow agencies to type their pedestrian and bicyclist crashes, and by doing so, be able to better assess the problem and select the most appropriate countermeasures. Crash typing requires the user to have access to the police crash reports. The narrative and diagram of the crash, along with information pertaining to the location, operator characteristics, and contributing factors, are all used to answer questions within the crash typing logic of the program and determine the appropriate crash type. While the crash reports are required for typing purposes, it is not a requirement that all of the information on the crash report be entered in the PBCAT database.

The software is designed to allow users to customize the database and the data entry forms to meet their needs. Some agencies will have hardcopy police crash reports, but will not have an easily accessible database with this information. For these agencies, the PBCAT software can be used to create this database. Forms can be designed to match the police crash report and include the crash typing information desired. The database can also be exported to other applications (e.g., Excel) for more sophisticated analyses.

Other agencies will already have robust databases that include most or all of the information recorded on police-reported crash forms. In these cases, there is no need to enter this information a second time. Instead, the user can develop a customized form to capture the crash typing information produced by PBCAT and any missing variables that may not be included in the primary database. The PBCAT database can be exported to Excel or as a delimited text file and merged with the primary database, using the crash report number as the linking field.

The latter approach has been used for several years in North Carolina. The Department of Transportation (NCDOT) has an extensive crash database that includes all of the variables present on the police crash report. The agency also maintains a database of scanned police crash reports. Each year, the reports involving pedestrians and bicyclists are downloaded, printed, and used to type all crashes. The crash typing database is then exported and merged with the NCDOT crash database. The database is used to analyze pedestrian and bicyclist crashes and produce annual reports on the state of pedestrian and bicyclist safety. The database is also maintained on

a Web site ([www.pedbikeinfo.org/pbcats](http://www.pedbikeinfo.org/pbcats)), which allows State and local agencies, as well as the general public, to access a series of standard analysis reports and produce customized queries. This Web site provides one example of how PBCAT may be utilized in assessing pedestrian and bicyclist safety, and at the same, providing an online tool for practitioners to conduct further analyses.

## **TECHNICAL SUPPORT**

Technical support for PBCAT is provided online at [www.walkinginfo.org/pbcats](http://www.walkinginfo.org/pbcats). Users with questions or software problems can contact technical support via e-mail.





## CHAPTER 2. SOFTWARE INSTALLATION

### SYSTEM REQUIREMENTS

PBCAT Version 2.0 is a Microsoft Windows-compliant application that was built to operate on the .NET Framework, requiring that this framework is installed on the user's computer. The software was written in Microsoft Visual C#<sup>®</sup> within the Visual Studio<sup>®</sup> .NET development environment. The application database was developed in Microsoft Access 2000, which requires Microsoft Data Access Components (MDAC) 2.6 or higher. The hardware and software requirements for the application include:

- Microsoft Windows XP (preferred) or 2000. All operating systems should be updated with the latest Service Packs, which can be found at <http://support.microsoft.com/sp>.
- Minimum 256 MB of RAM.
- Minimum 100 MB of free disk space.

### INSTALLATION STEPS

The software can be downloaded from the walking and bicycling Web sites of the Pedestrian and Bicycle Information Center (PBIC), either [www.walkinginfo.org/pbcats](http://www.walkinginfo.org/pbcats) or [www.bicyclinginfo.org/pbcats](http://www.bicyclinginfo.org/pbcats). It is recommended that the compressed file (40 MB) be downloaded over a broadband connection. It can take up to 2 hours to download over a 56K modem connection. Users without a broadband connection may contact the PBIC to obtain a copy of the software on CD-ROM.

The steps for installing the software are provided on the download page of the Web site and are repeated here:

1. Right-click on the *Download* button (at the bottom of the screen). Click *Save Target As*, *Save Link As*, or *Save Link Target As* within that menu. Click *Save* to save the self-extracting file (PBCAT\_Version 2.0.exe) to your desktop.
2. Double-click on the downloaded file (PBCAT\_Version 2.0.exe) to extract the installation files. The *WinZip Self-Extractor* window will open as shown in figure 1. Use the *Browse* button to select the destination folder; click *OK*. Then click *Unzip* to extract the files to that folder. A message will appear to indicate that the files were unzipped successfully.



**Figure 1. Image. Extract the installation files.**

3. Browse to the installation folder and double-click on the Setup.exe file. Follow the instructions on the screen. The application will install the .Net Framework and the necessary version of MDAC if they are not detected.

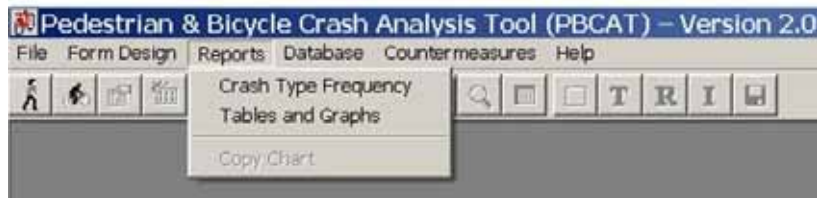
All screens that appear during the step-by-step installation process are provided in appendix A. For technical support, send an e-mail to [pbic@pedbikeinfo.org](mailto:pbic@pedbikeinfo.org). The message will be forwarded to the PBCAT technical support staff.

## CHAPTER 3. GETTING STARTED: THE BASICS

### LAYOUT AND NAVIGATION

PBCAT 2.0 has adopted a Windows environment with pull-down menus and toolbars that allow the user to navigate quickly and easily among the various software functions from any screen in the application.

(See figure 2.) The basic menu functions include:











**Figure 2. Image. Use pull-down menus and toolbars for navigation.**





- *File* (where application preferences are set).
- *Form Design* (where data entry forms can be designed).
- *Reports* (includes the ability to produce single- and multivariable tables).
- *Database* (includes import/export capabilities).
- *Countermeasures* (links to external Web applications PEDSAFE and BIKESAFE).
- *Help* (includes all the information from this manual).

### TOOLBAR






The toolbar located below the menu headings has two distinct functions. First, it is used to access the default database and enter or edit pedestrian and bicyclist data. Second, it is used in the design of data entry forms. The actions initiated by the various buttons are described below.

#### Data Entry and Crash Typing Buttons

-  Access the pedestrian data entry form.
-  Access the bicyclist data entry form.
-  Create a new record.
-  Access crash typing.
-  Save a record.
-  Go to the first record in the file.
-  Go to the last record in the file.
-  Go to the previous record in the file.

-  Go to the next record in the file.
-  Delete a record.
-  Search the database.
-  Browse (view the database in a tabular format).

### Form Design Buttons

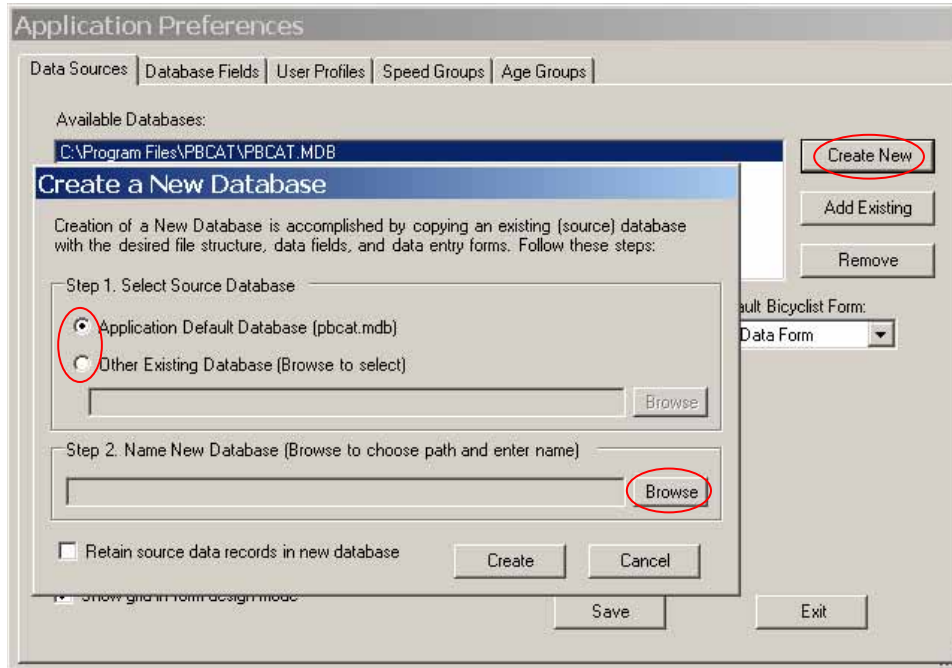
-  Insert group box.
-  Insert text box.
-  Rename form.
-  Index tabs.
-  Save form.

## QUICK START STEPS

The steps below allow the user to start data entry and crash typing. Subsequently, the user will be able to generate reports and export the data to Excel for more sophisticated analyses. The countermeasures included in the software may be accessed at any time and do not require data in the system (See chapter 9.). To fully understand all the features of the software, the user is advised to read the entire manual before creating a robust data system.

### Step 1—Create New Database

Click on *Preferences* within the *File* menu to access the application preferences for PBCAT. On the *Data Sources* tab, click *Create New*, which will open the window shown in figure 3. The new database can be modeled after the default database (PBCAT.MDB) or other existing database that has been developed for Version 2.0 of the application. Select the appropriate option in Step 1 on the screen.

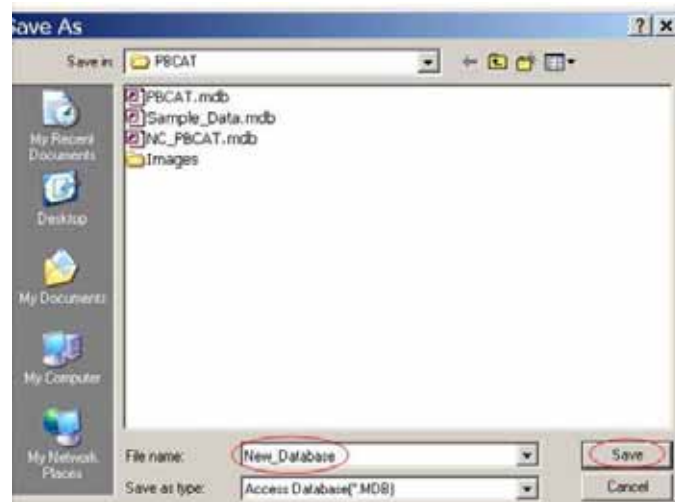


**Figure 3. Image. Step 1.**

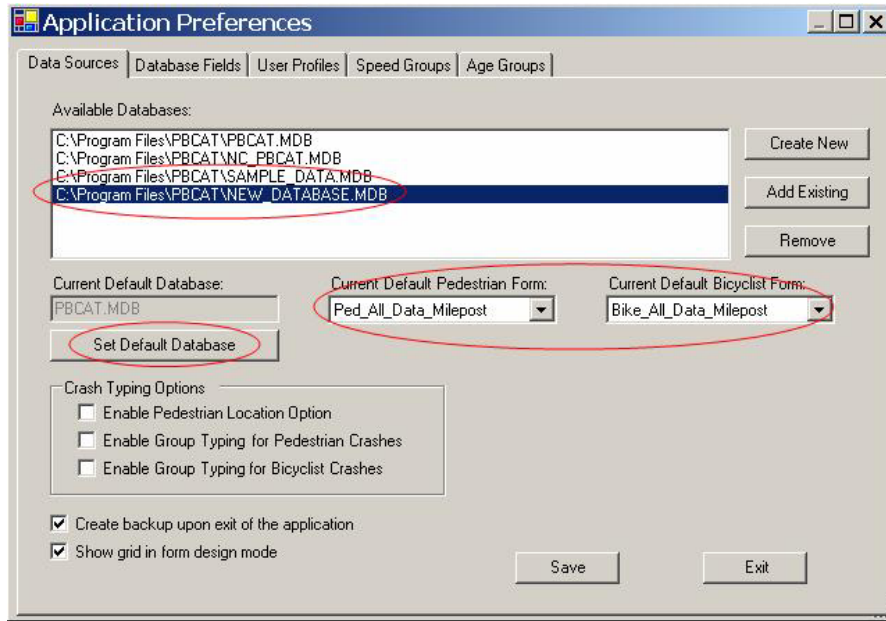
Click *Browse* in Step 2 to name the new database and choose the location where it will reside, as shown in figure 4. Enter the file name and click *Save*. The window shown in figure 4 will close. Click *Create* in the previous window, and the database will be saved as an Access database with the extension .MDB.

**Step 2—Select Database and Forms**

The newly created database will appear in the list of available databases under the *Data Sources* tab (See figure 5.). Highlight the new database within that window and click *Set Default Database*. Next, select the forms to be used for pedestrian crash entry and bicyclist crash entry from the dropdown list of available forms. Some databases may contain a single form, while others may include multiple forms. The application default database (PBCAT.MDB) contains multiple forms. Refer to chapter 5 to learn how to create new forms. Click *Save* to save these changes and *Exit* to return to the main screen. The other options available on this tab and the other tabs are described in more detail in chapter 4.



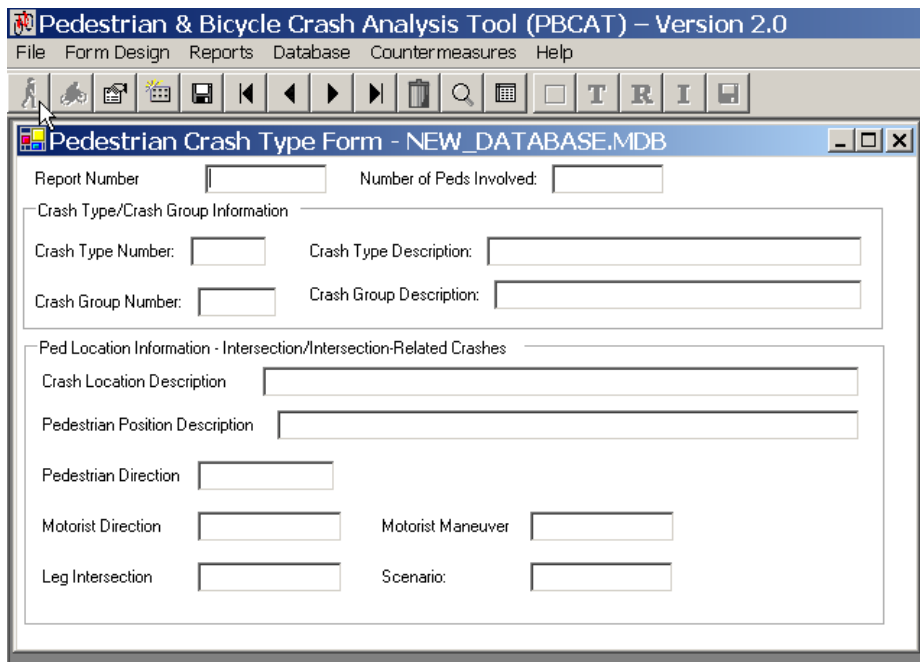
**Figure 4. Image. Step 2.**



**Figure 5. Image. Set default database and choose default data entry forms.**

### Step 3—Enter Data

Click on either the *Pedestrian* or *Bicyclist* button on the toolbar to open a data entry form (shown in figure 6) and begin entering data. Use the buttons previously described to create and save records and to access the crash typing application within the software.



**Figure 6. Image. Step 3.**

## CHAPTER 4. APPLICATION PREFERENCES

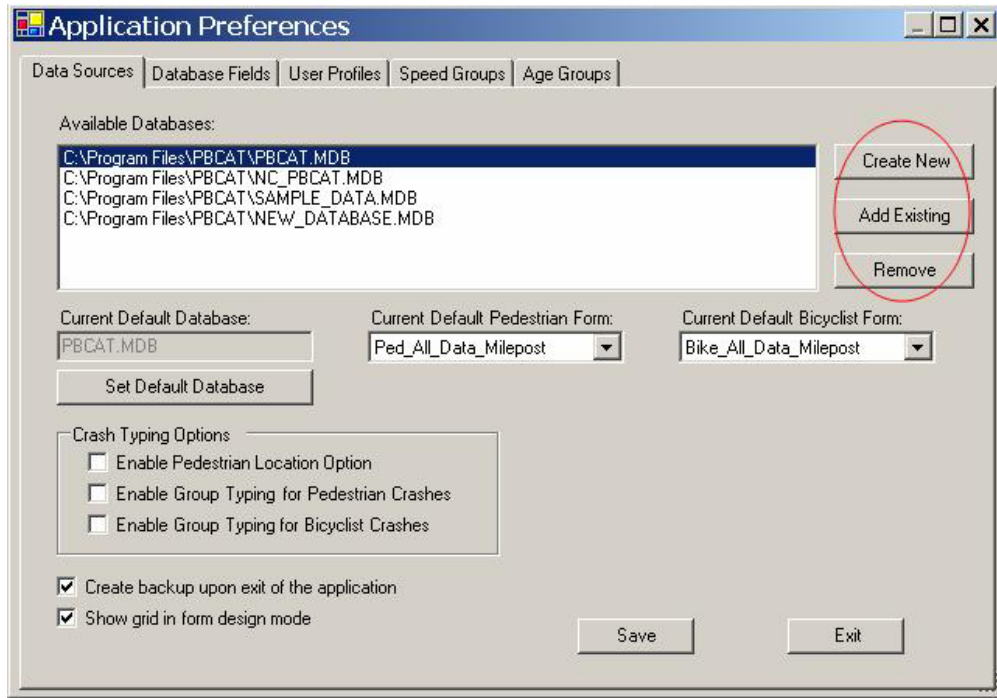
User profiles and database options can be customized to meet the needs of any agency or individual user. *Preferences* for the application can be accessed from the *File* menu, as shown in figure 7. Once accessed, the user can create and select databases and data entry forms; select, create, and edit database fields; establish user profiles; and set range parameters for analysis reports involving age and speed variables. The administrator may also create different profiles for different users for management and security purposes. The remainder of this chapter provides detailed instructions for all options associated with each tab on this window.



**Figure 7. Image. Set database options and user profiles.**

### DATA SOURCES

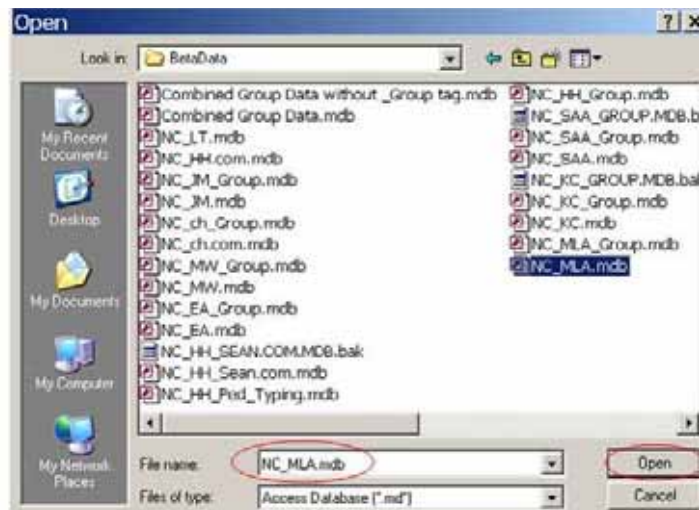
The *Data Sources* tab includes options for the user to create a new database, add an existing database, or remove a database that is no longer needed. The steps involved in creating a new database were covered in chapter 3 in the section on quick start steps. Also covered in that section were the steps to set the default database and choose default data entry forms for pedestrian and bicyclist crashes. These defaults will be used for data entry when the *Pedestrian* and *Bicyclist* buttons are selected on the tool bar. Each database can have more than one form for data entry, so it is important to select the appropriate form in addition to the correct database. More information can be found in chapter 5 on the creation and design of data entry forms.



**Figure 8. Image. Create, add an existing, or remove a database.**

**Special Note: PBCAT.MDB is the default database for the application. The text fields in this database, as well as the aliases for all noncrash type fields, can be changed. Once such changes are made, the original default database that is loaded with the application will no longer exist in the PBCAT directory. However, it can be retrieved from the PBCAT Web site at [www.walkinginfo.org/pbcats](http://www.walkinginfo.org/pbcats).**

The *Add Existing* button is used to add to the list of available databases an existing database that was created in this version (Version 2.0) of the software. A click on this button will open a window to allow the user to browse the computer and select the database to be added. Once the file is selected, click *Open* to add the database to the list. (See figure 9.) This feature will be useful for adding databases when PBCAT is installed on a new local computer. For example, PBCAT may have been installed on a computer for User A, who created a database for typing local pedestrian crashes and saved it to the network drive. Much of the data entry will be done by a second user on a different computer. When PBCAT is installed on the second computer, User B will need to access this network drive and



**Figure 9. Image. Search for and open a database to be added.**



add this database to the list of available databases by following the steps just described. User B can then set this database as the default database, choose the appropriate data entry forms, and begin entering data. **Note, while both users will have access to the same database on the network drive, the application is not designed to allow simultaneous data entry. If there is a need to have multiple data entry personnel, each person can enter data into a unique database. These databases can then be merged within Microsoft Access. Use the *Add Existing* button to add the merged database to the list of available databases in PBCAT.**

Removing a database that is no longer needed or may have been created in error is done by clicking on the database in the list of available databases and then clicking *Remove*. A confirmation window will appear. A click on *Yes* will remove the database from the List of Available Databases. However, the Access file will not be deleted. Thus, the database can be added back to the list at a later time. If the file itself needs to be removed, use Windows Explorer to locate and delete the file.

### Crash Typing Options

Crash typing is a part of the data entry process and is accessible after a pedestrian or bicyclist data entry form is opened. Crash typing requires the user to input answers to questions and directives on a series of screens. The number of questions and directives is determined by the crash typing options selected for a particular database. The options available are shown on the *Data Sources* tab



**Figure 10. Image. Enable or disable pedestrian location option and group typing options.**

and can be turned on and off by clicking on the adjacent checkboxes, shown in figure 10. Each option is described in more detail in the following sections. **Be sure that the database for which options are being set is shown in the Current Default Database window.**

#### *Pedestrian Location*

The Pedestrian Location Option provides the user with the ability to add details regarding the specific location of pedestrian crashes at or near intersections. If this option is selected, the crash typing logic includes a series of questions related to the direction and maneuvers of the motorist and pedestrian for intersection and intersection-related crashes. One of the crash typing examples included in chapter 6 makes use of this option.

The answers are stored in the following fields in the database and may prove useful for conducting intersection-level analyses:

- *Motorist\_Direction* (northbound, southbound, eastbound, westbound, unknown).
- *Motorist\_Maneuver* (left turn, right turn, straight, unknown).
- *Leg\_Intersection* (nearside, farside, unknown).
- *Pedestrian\_Direction* (northbound, southbound, eastbound, westbound, unknown).

- *Scenario* (one of 36 scenarios based on the combination of motorist maneuver, intersection leg where the crash occurred, direction of travel of the pedestrian, and whether the pedestrian was in or out of the crosswalk).

Drawings illustrating the scenarios are provided in appendix B for reference and use in analyses. Only *Motorist\_Direction* (motorist's initial travel direction before any turns) and *Scenario* are needed to identify the precise leg of the intersection and the maneuvers of the motorist and pedestrian. If additional variables are preferred to further define location information, the user can add other fields to the database as discussed later in this chapter.

To make use of the pedestrian location data in an analysis involving specific intersections, it will be necessary to sort the data by intersection location, the ease of which will vary depending on the crash referencing system used by an agency. Those localities that use links and nodes will be able to distinguish among intersections by using their node numbers. Others may use a Route-Street Reference system in which intersections may be located by the combination of the principal street name and the reference street name. Still others may use a Route-Milepost system in which the intersections may be located by the route name and the mileposts.

If intersections cannot be identified easily within an agency's existing crash-roadway referencing system, it may be necessary to add a field in the PBCAT database that can be used as an intersection identifier. This field may be a new customized variable or a renaming of one of the existing user-defined variables. For example, the user could add a field named *Intersection ID* and use either a unique name or number to identify each intersection. More information on adding database fields is provided later in this chapter.

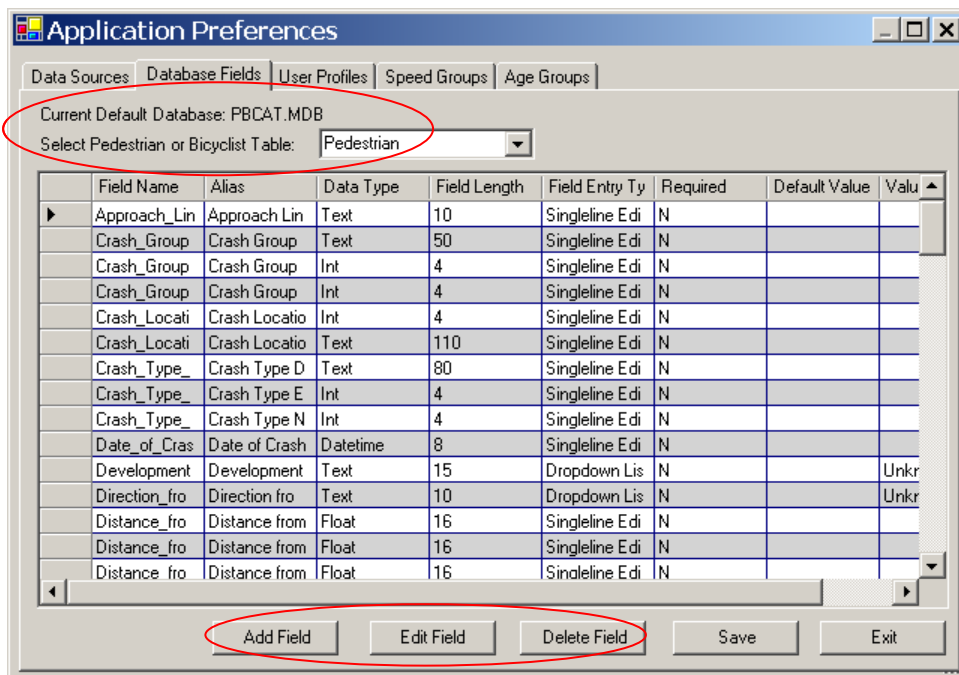
### *Group Typing*

The logic for the standard crash typing within PBCAT will produce 56 unique pedestrian crash types and 79 unique bicyclist crash types. Some users may not want the level of detail that is available with these standard crash types; they may select the Group Typing Option for pedestrian and/or bicyclist crashes. If selected, the application will use a different logic that requires the user to answer fewer questions/directives and places each crash into one of 16 pedestrian crash type groups or 20 bicyclist crash type groups.

As an example of the differences in these two options, consider a collision involving a motorist overtaking a bicyclist. Within the standard crash typing logic, the crash may be coded as one of four types: 1) *Motorist Overtaking—Undetected Bicyclist*, 2) *Motorist Overtaking—Bicyclist Swerved*, 3) *Motorist Overtaking—Misjudged Space*, or 4) *Motorist Overtaking—Other/Unknown*. If the group typing option were selected, the crash would be coded as *Motorist Overtaking Bicyclist*. The four detailed crash types available in the standard application are collapsed into the single choice in the group application. Appendix C includes a complete list of all pedestrian and bicyclist crash groups and the unique standard crash types included in each group.

## DATABASE FIELDS

The *Database Fields* tab allows the user to add, delete, or edit fields in the database. (See figure 11.) The data table that will appear on this screen is for the default database, which can be changed on the *Data Sources* tab. The user will need to select either the pedestrian or bicyclist table within the default database. Changes made in the pedestrian table will not affect the bicyclist table and vice versa. If the user wishes to make a change in the database for a field that is common to both pedestrian and bicyclist crashes, the change needs to be made in both tables. Appendix D includes complete lists of the fields included in the application's default database (PBCAT.MDB).



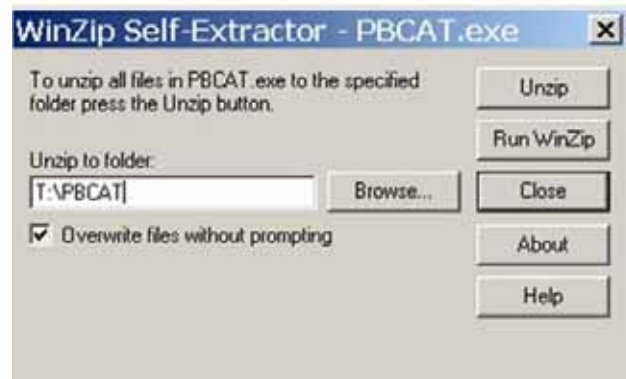
**Figure 11. Image. Add, delete, or edit fields in the database.**

Column widths within the table may be expanded by clicking and dragging the boundary of each column heading. The entire window may be expanded in this same way, both horizontally and vertically. The default order of the fields in the table is alphabetical on the basis of the Alias column. The fields can also be sorted in either alphabetical or numerical order with a click on any of the other columns.

**Special Note: The user can modify the database fields at any time. However, making changes to the fields before designing data entry forms will make the form design process easier. If a database field is modified after the form is designed, be sure to review and edit the form afterwards to reflect any changes made to the database.**

A click on *Add Field* opens the window shown in figure 12 and requests the user to enter the following:

- *Field Name*—variable name used in the database. This field must conform to the SQL column naming convention which only allows alphanumeric and underline characters.
- *Alias*—descriptive name for the variable, which will be the name displayed in both the data entry forms and reports. This field also prohibits the use of most characters that are not alphanumeric (e.g., periods, commas, apostrophes, and quotes).
- *Data Type*—text, integer, float, datetime, or memo. A text field is limited to 255 characters, while a memo field has no limit on the number of characters. For purposes of database performance, the use of memo fields should be limited. A good example of a crash report variable that may require a memo field is the officer’s narrative of the crash. For fields that will only have numeric entries, the choices are either integer or float. Integer fields can only accept whole numbers, while float fields can accept decimal values. Float fields, like memo fields, should be used sparingly. An example of a variable that may require a float field is milepost if that milepost includes decimals and will be used in computing distances. Finally, date variables should be datetime fields, which will automatically check for valid dates and require entry in an mmddyyyy format.



**Figure 12. Image. Enter field name, alias, data type, field length, entry type, and default value.**

- *Field Length*—maximum number of characters that may be entered. This value will affect the size of the data entry box used on forms. **The field length can be set for text fields only.** Field lengths for new integer, float, datetime, and memo fields are set to 10, 16, 8, and unlimited, respectively, and cannot be altered.



**Figure 13. Image. Select a field entry type.**

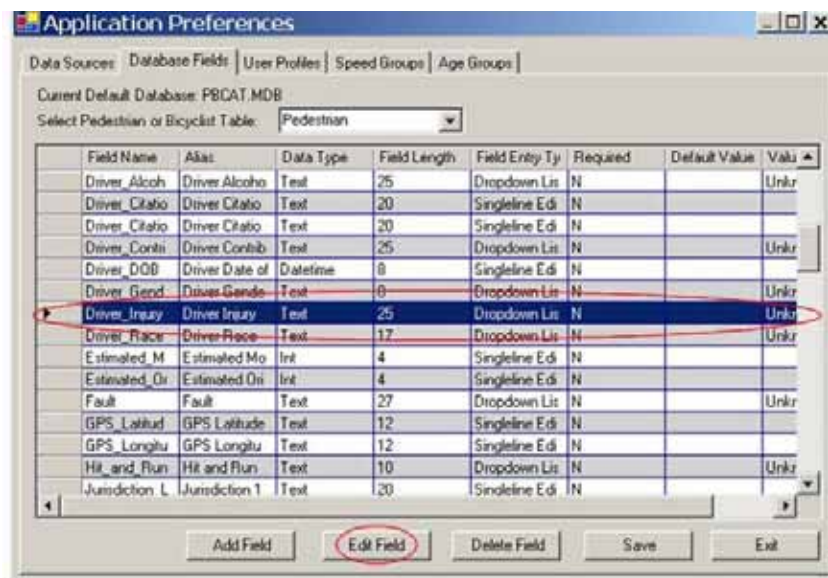
- *Field Entry Type*—singleline editbox, dropdown listbox, or dynamic listbox. (See figure 13.) Singleline editboxes may be used for any variable. Dropdown listboxes are best for variables that have a predetermined set of data entry choices. For example, gender will either be male, female, or unknown.

If a dropdown listbox is chosen as the *Field Entry Type*, the field editing window will expand

to allow the user to enter the list of data entry choices. A Blank choice can be entered with a space and Enter. Dynamic listboxes are best for variables needing a set of entry choices to be created on the fly. Location variables such as city or intersection are good examples of fields that would benefit from dynamic listboxes. As each new city or intersection is entered, it is added to the list of choices for that field.

- *Default Value*—For any field, the user can define the default text or number that will appear when the data entry form is opened. For dropdown listbox fields, the default will be the first field in the list if no value is entered here. A Blank choice can be entered with a space and Enter.
- *Required*—the last item in the field editing window is a checkbox to make the field *required*. Checking this box will force the user to enter a value if the field is included on the data entry form. **The only field in PBCAT databases that is always required is *Report\_Number*, and while this field is required, the alias for the field can be changed.**

To edit an existing field, select the field by clicking on the appropriate row, and then click *Edit Field*. (See figure 14.). If the field is currently being used in any data entry form in the default database, a warning message will appear to let the user know an adjustment may need to be made to those forms after editing the field. A click on *OK* will open the field editing window. An example of when a form adjustment may be required would be if *Field Length* is changed from 20 to 100. The data entry box will be much larger, and the form may need to be revised to accommodate this larger box. All adjustments are made in *Form Design* (refer to chapter 5). The arrow keys at the bottom of the field editing window allow the user to move to the prior and next fields and make edits to multiple fields at once.



**Figure 14. Image. Edit a field.**

To delete a field, select the field in the same way as described for editing. Then click *Delete Field*. A message will appear indicating that the field and all data for this field will be deleted—are you sure? A click on *Yes* will remove the field from the database; *No* will cancel the delete operation.

## Crash Typing Fields

The database fields used for crash typing cannot be edited or deleted. These fields are completed by the software when a crash is typed and a record is saved in the data entry mode. The fields that cannot be changed are listed below. While the information is saved to these fields in the database for each typed crash record, not all fields have to be included on the data entry form. For example, if the only crash type information desired by the user is the crash type description, the pedestrian and bicyclist forms can be designed to include *Crash\_Type\_Description* and exclude all other fields.

### Pedestrian and Bicyclist Fields (present in both data tables)

- *Crash\_Group\_Basic*—integer value for crash group.
- *Crash\_Group\_Description*—text descriptor for crash group.
- *Crash\_Group\_Expanded*—integer value that combines the *Crash\_Location*, *Crash\_Group\_Basic*, and other fields related to the pedestrian/bicyclist position and maneuver.
- *Crash\_Location*—integer value for location of the crash.
- *Crash\_Location\_Desc*—text descriptor for location of the crash.
- *Crash\_Type\_Basic*—integer value for crash type.
- *Crash\_Type\_Description*—text descriptor for crash type.
- *Crash\_Type\_Expanded*—integer value that combines the *Crash\_Location*, *Crash\_Type\_Basic*, and other fields related to the pedestrian/bicyclist position and maneuver.

### Pedestrian Fields (not present in the bicyclist table)

- *Leg\_Intersection*—text descriptor to further define the crash location.
- *Motorist\_Direction*—text descriptor to define the travel direction of the motorist.
- *Motorist\_Maneuver*—text descriptor to define the maneuver of the motorist.
- *Pedestrian\_Direction*—text descriptor to define the travel direction of the pedestrian.
- *Pedestrian\_Position*—integer value for pedestrian position.
- *Pedestrian\_Position\_Desc*—text descriptor for pedestrian position.
- *Scenario*—alphanumeric character for defining the crash on the basis of intersection leg, motorist maneuver and direction, and pedestrian direction.

### Bicyclist Fields (not present in the pedestrian table)

- *Direction\_Bicyclist*—integer value for bicyclist direction.
- *Direction\_Bicyclist\_Desc*—text descriptor for bicyclist direction.
- *Position\_Bicyclist*—integer value for bicyclist position.
- *Position\_Bicyclist\_Desc*—text descriptor for bicyclist position.

## Age Fields

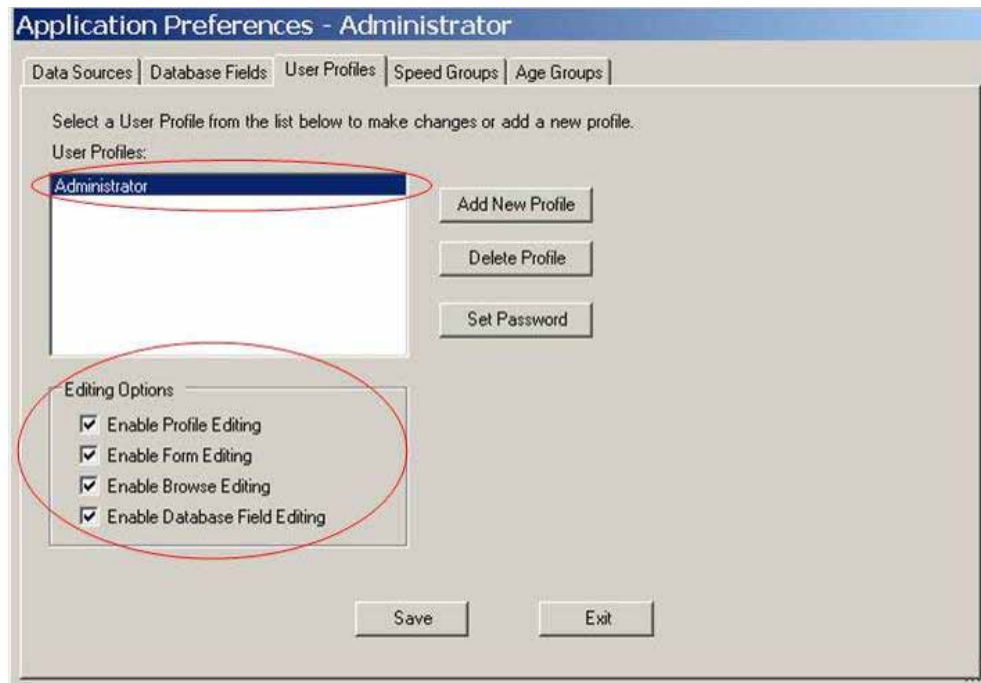
The fields for driver, pedestrian, and bicyclist age are computational fields that make use of the date of the crash and birth dates to calculate the age of the parties involved in the collision. If a birth date is not available on the crash report form, but an age is indicated, the age may be entered directly into the age field. The age and date fields used in these computations are as follows:

### Field (alias)

- *Date\_of\_Crash* (date of crash).
- *DOB* (pedestrian date of birth or bicyclist date of birth).
- *Driver\_DOB* (driver date of birth).
- *Age* (pedestrian age or bicyclist age).
- *Driver\_Age* (driver age).

## USER PROFILES

On the *User Profiles* tab, one can add and delete new user profiles, set passwords, and modify the editing options available to different users (See figure 15.). PBCAT is installed with a single profile for the administrator with all editing options enabled. **This profile cannot be deleted.** However, the editing options can be changed, and a password can be set for the administrator.

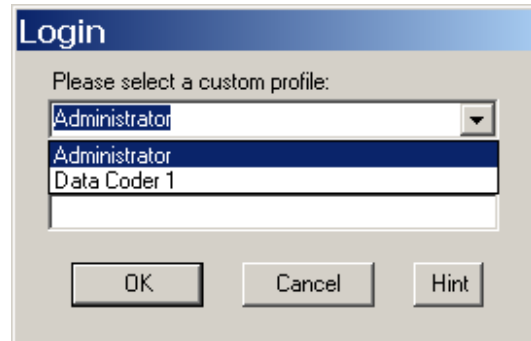


**Figure 15. Image. Set user profiles, passwords, and editing options.**

To create a new profile, click *Add New Profile*. A window will open to allow the profile name to be entered and saved (click *OK*), as shown in figure 16. Once additional profiles have been added, a *Login* window will appear when the PBCAT application is launched, and the user can select the appropriate profile from a dropdown list, as shown in figure 17. While it is not necessary to create additional profiles, it may be desirable to do so to limit the editing options available to different users. For example, the administrator will always need access to edit profiles and may be the only person allowed to edit data entry forms. It is desirable to prevent data entry staff from accessing other profiles or the form designer. A profile can be set up for data entry staff to limit their access to these options. (See more on the editing options below.)



**Figure 16. Image. Create a new profile.**



**Figure 17. Image. Select a profile.**

## Passwords

A Password can be set for any profile. Click on the profile for which the password is desired, and click *Set Password*. A window will open where the password, a hint question, and hint answer can be entered. (See figure 18.) Click *OK* to save the entry. Passwords may be changed or deleted by following these same steps. The new password will be requested on the *Login* window the next time PBCAT is launched. For profiles that do not have passwords, bypass this field, and click *OK* to start the program.



**Figure 18. Image. Enter a password and hint information.**

**Special Note: A hint should be something that the user will not forget. All password information is encrypted and cannot be accessed.**



If the user has forgotten the password, click on *Hint* on the *Login* window to see the hint that was provided. (See figure 19.) A correct answer in the space below the hint will provide the user with access to the application. The user should return to the *User Profiles* tab in *Preferences* to change a forgotten password.

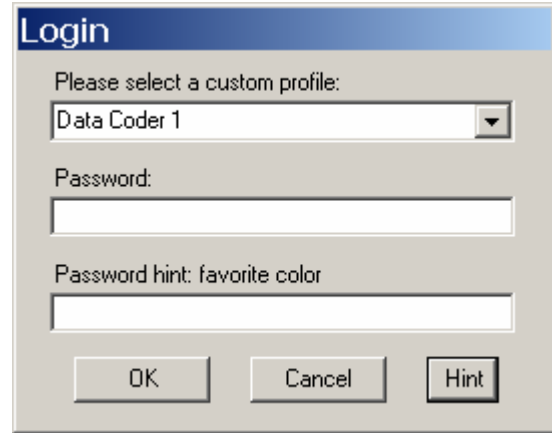
### Editing Options

The editing options that may be changed for each user profile are:

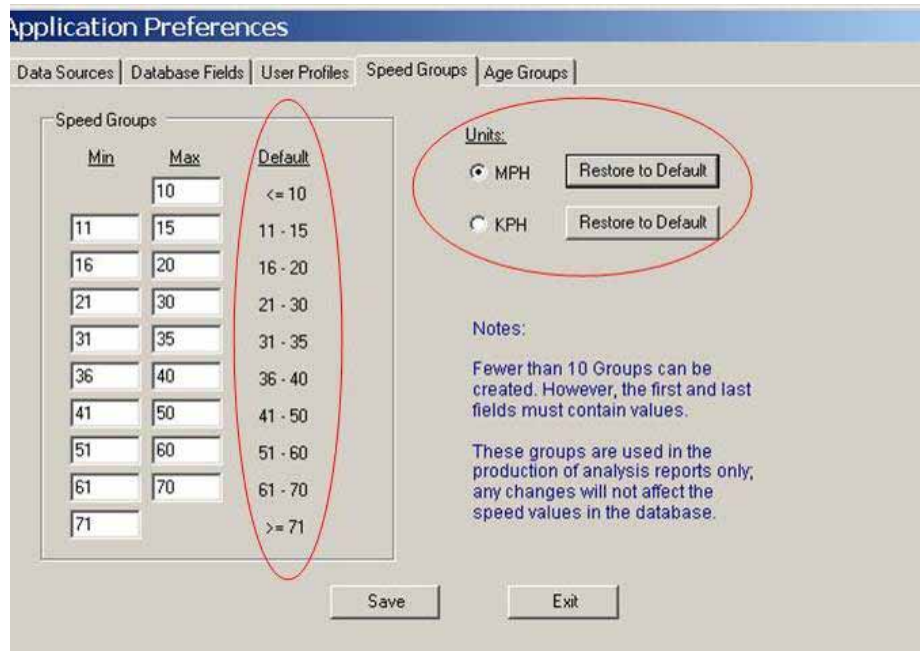
- Profile Editing—allows the user to add or delete profiles, set and change passwords, and change the editing options associated with all profiles.
- Form Editing—allows the user to add, edit, and delete data entry forms.
- Browse Editing—allows the user to view and edit data entry records within the Browse mode (tabular format) of data entry.
- Database Field Editing—allows the user to add, delete, and modify the database fields within application preferences.

### SPEED GROUPS

Accessing the *Speed Groups* tab within the Application Preferences window allows the user to 1) select the preferred units of measurement for speed-related data and 2) establish the speed groupings that will be used in analysis reports. The units of measurement that are used for recording speeds and speed limits can be changed from miles per hour (mi/h) to kilometers per hour (km/h), which will be necessary for some jurisdictions outside the United States. Use the radio buttons beside MPH and KPH to select the units of choice, as shown in figure 20. Click *Restore to Default* to change the values being applied (shown in the Min and Max columns) for deriving speed groups to the values shown in the Default column.



**Figure 19. Image. Enter a password.**



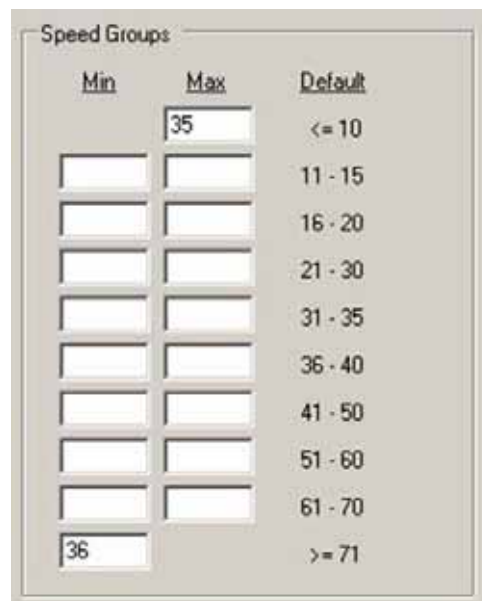
**Figure 20. Image. Set values for speed groups and choose units of measurement.**

The speed groups can be customized to meet the needs of the user. The groups defined on this tab are only used to specify the category ranges for the variable *Speed Group* within the reports application of the software. Changing the Min and Max values will not affect the speed data for any of the records in the database. This reporting variable is derived from the data entry field

*Estimated\_Original\_Motor\_Vehicle\_Speed*. If this field is not used, or data are not entered for this field, the *Speed Group* variable will only contain null values when used in reports.

The default values are intended to provide the user with a reasonable means of examining the distribution of speeds of motorists involved in collisions with pedestrians and bicyclists. The user can customize the application to produce groups with different value ranges. This task is accomplished by typing the desired minimum and maximum speed values in the appropriate columns for each group. Between 2 and 10 groups can be created in this manner. The first and last fields in this table must be filled. All others can be blank if only two groups are desired, as shown in figure 21. Click *Save* after entering all values.

**The application will provide an error message if any value is present in more than one group. Correct any errors and save again.**



**Figure 21. Image. Establish as few as two groups.**

## AGE GROUPS

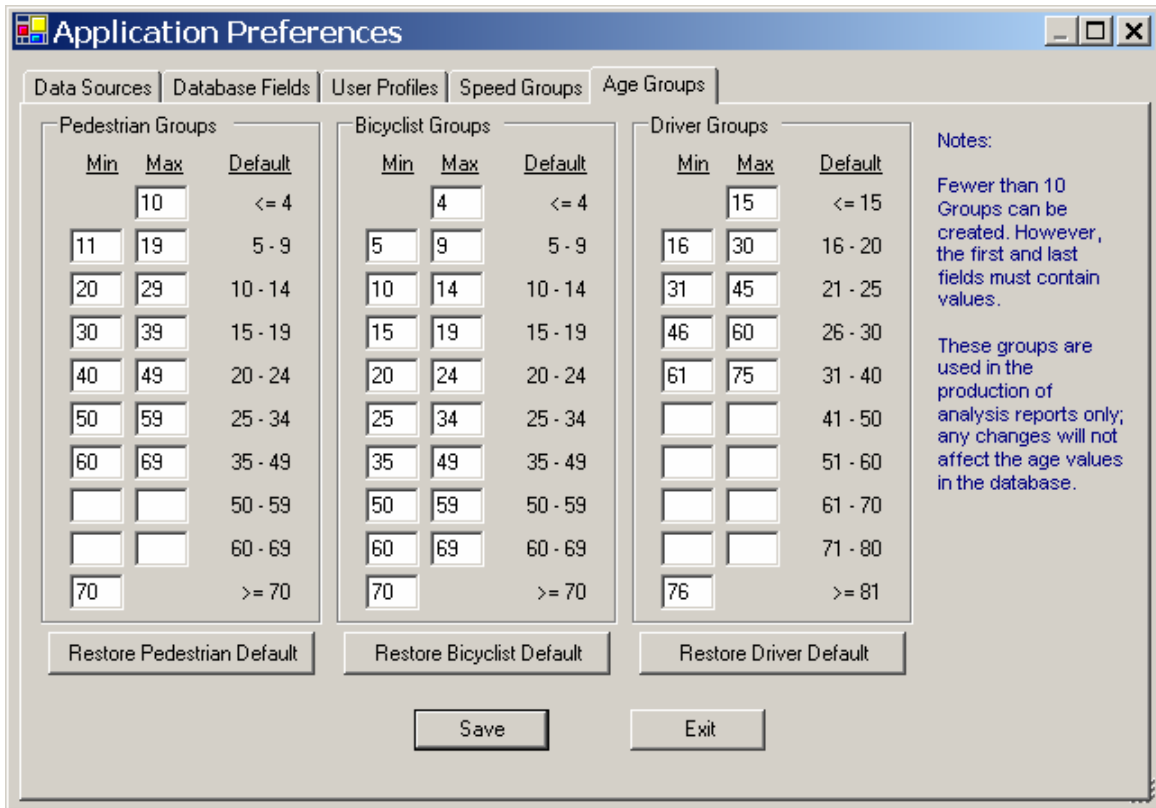
The *Age Groups* tab allows the user to customize the category ranges for the variables *Driver Age Group*, *Pedestrian Age Group*, and *Bicyclist Age Group* within the reports application of the software. (See figure 22.) Changing the Min and Max values will not affect the age data for any of the records in the database. These reporting variables are derived from the data entry fields *Driver Age*, *Pedestrian Age*, and *Bicyclist Age*. If these fields are not used or data are not entered for these fields, the *Group* variables will only contain null values when used in reports.

Pedestrian Groups			Bicyclist Groups			Driver Groups		
Min	Max	Default	Min	Max	Default	Min	Max	Default
	4	<= 4		4	<= 4		15	<= 15
5	9	5 - 9	5	9	5 - 9	16	20	16 - 20
10	14	10 - 14	10	14	10 - 14	21	25	21 - 25
15	19	15 - 19	15	19	15 - 19	26	30	26 - 30
20	24	20 - 24	20	24	20 - 24	31	40	31 - 40
25	34	25 - 34	25	34	25 - 34	41	50	41 - 50
35	49	35 - 49	35	49	35 - 49	51	60	51 - 60
50	59	50 - 59	50	59	50 - 59	61	70	61 - 70
60	69	60 - 69	60	69	60 - 69	71	80	71 - 80
70		>= 70	70		>= 70	81		>= 81

Notes:  
Fewer than 10 Groups can be created. However, the first and last fields must contain values.  
These groups are used in the production of analysis reports only; any changes will not affect the age values in the database.

**Figure 22. Image. Set values for pedestrian, bicyclist, and motorist age groups.**

The default values are intended to provide the user with a reasonable means of examining the distribution of ages of drivers, pedestrians, and bicyclists involved in collisions. The user can customize the application to produce groups with different age ranges. This task is accomplished by typing the desired minimum and maximum ages in the appropriate columns for each group. Between 2 and 10 groups can be created in this manner for each operator type. As shown in figure 23, the first and last fields in this table must be filled. All others can be blank if fewer than 10 groups are desired. Click *Save* after entering all values. **The application will provide an error message if any value is present in more than one group. Correct any errors and save again.**



**Figure 23. Image. Set values and numbers of groups for three modes.**

## CHAPTER 5. FORM CREATION AND DESIGN

PBCAT allows the creation of customized data entry forms to simplify and streamline the data entry process. Customized data entry forms may contain only those database fields that are needed to match local crash reports or specific analysis needs. Furthermore, the data entry forms can be developed to approximate the design of the police crash report forms used in a State or municipality. This feature should enhance usability and reduce the time spent on data entry.

### FORMS AND DATABASES

Forms are embedded in databases in the application. In *Preferences* under the *File* menu, the user can select the default database and the forms desired for data entry. (Refer to chapter 3.) The application accesses the selected *Default Database* when the *Form Design* menu options are selected. (See figure 24.) The creation of new forms, editing of existing forms, or deletion of forms will be done within that default database. Forms can be copied from one database to another using the *Copy Form* option, which is covered in a later section of this chapter.

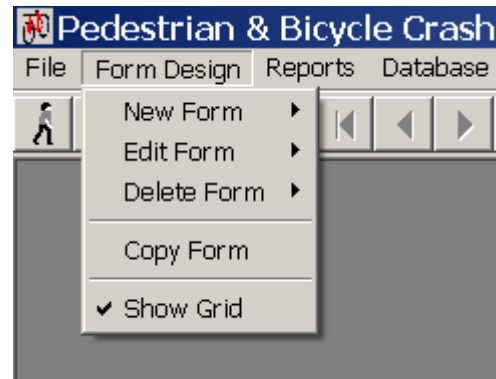


Figure 24. Image. Create, edit, delete, and copy forms.

**Special Note: Prior to creating a new form or modifying an existing form, set the desired *Default Database* and make all changes to the variables in the *Database Fields* in the *Application Preferences*. Refer to chapter 3 for further instruction on these steps.**

The forms used for data entry also affect analysis abilities. Specifically, the variables available for the creation of reports (tables or charts of crash frequencies or percentages) will only be those included in the form. For example, if *Pedestrian Age* is not included on the data entry form, it will not appear in the list of variables available for the production of analysis reports. (See chapter 7 for more information on Reports.)

### EXISTING FORMS

The application includes several forms that may be used for data entry as they are currently designed or edited to create different versions of the form. (See figure 25.) The forms included in the default database (PBCAT.MDB) of the application include:



Figure 25. Image. Select forms for editing.

- Ped\_All\_Data\_Milepost—contains all crash typing fields, all crash report fields, and the milepost referencing system fields.
- Ped\_All\_Data\_Refpost—contains all crash typing fields, all crash report fields, and the reference post referencing system fields.
- Ped\_All\_Data\_RouteName—contains all crash typing fields, all crash report fields, and the route/street name referencing system fields.
- Ped\_All\_Data\_LinkNode—contains all crash typing fields, all crash report fields, and the link/node referencing system fields.
- Ped\_Crash\_Type—contains only the *Report Number* field and the crash typing fields.
- Bike\_All\_Data\_Milepost—contains all crash typing fields, all crash report fields, and the milepost referencing system fields.
- Bike\_All\_Data\_Refpost—contains all crash typing fields, all crash report fields, and the reference post referencing system fields.
- Bike\_All\_Data\_RouteName—contains all crash typing fields, all crash report fields, and the route/street name referencing system fields.
- Bike\_All\_Data\_LinkNode—contains all crash typing fields, all crash report fields, and the link/node referencing system fields.
- Bike\_Crash\_Type—contains only the *Report Number* field and the crash typing fields.

The forms containing all database fields may be most helpful to those planning to use PBCAT to store and manage all pedestrian and bicyclist collision data in this application. The forms with crash type information only may be utilized by those users who plan to export crash typing information and merge it with another database that contains other crash data elements. All these forms are shown in appendix E.

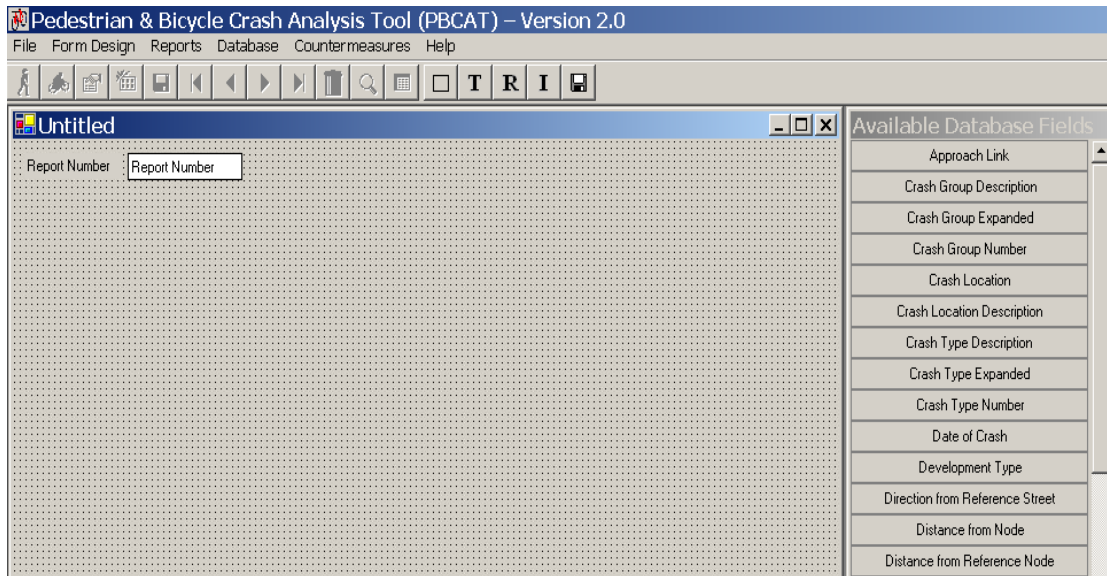
In addition to the forms within the PBCAT.MDB database, there are also two forms in the NC\_PBCAT.MDB database (also included with the application) that have been customized to match the crash report forms used in North Carolina: NCDMV349-Pedestrian and NCDMV349-Bicyclist. These forms represent the type of customization that can be done with the software.

**Special Note: Custom design of forms to match the police crash report form may take a few hours to accomplish. However, it only has to be done once and may substantially improve the efficiency and accuracy of data entry.**

## FORM CREATION

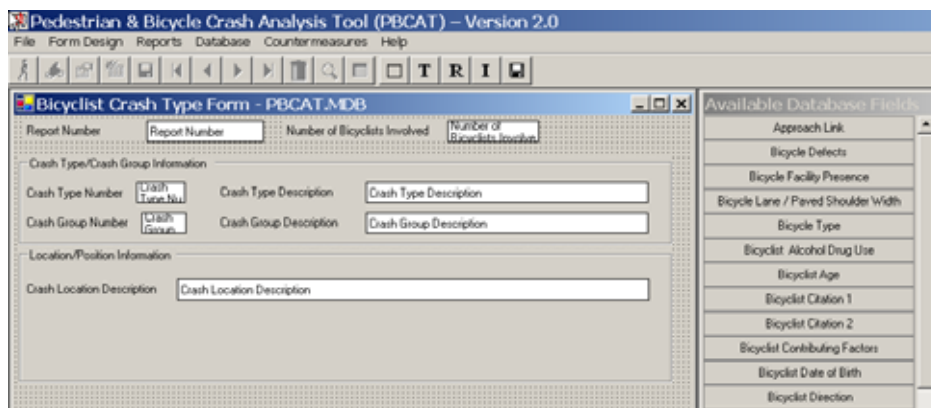
Forms can be created in two ways. The user can select *New Form* or *Edit Form*. A click on the former followed by the selection of either *Pedestrian Form* or *Bicyclist Form* will open a window like the one shown in figure 26. The form will be untitled (as shown in the form header) and will include the field *Report Number*. This field is required in all forms and should be used as the unique identifier for a crash record. It is usually this field that is used to link to databases containing other crash report information. The form will also include a grid that can be used to

help align fields and boxes. The grid can be turned on and off in the *Form Design* menu. To the right of the form is a list of *Available Database Fields* that may be added to the form. This list is populated by the *Aliases* given to the database fields in *Preferences* and will always include all database fields that are not currently on the form. Thus in the case of a new form, the list will be populated with the entire list of fields available in the database. These two windows can be resized with a click and drag on the edges of the windows and can be moved as needed.



**Figure 26. Image. Create a form using the *New Form* function.**

Creation of a form using the *Edit Form* function requires the user to select the form to be edited from the list of all forms included in the default database. The form window that opens will look very similar to the one shown for creating a new form. The primary differences are 1) the form name and database are provided in the header information, and 2) the form will include significantly more data fields.



**Figure 27. Image. Create a form using the *Edit Form* function.**

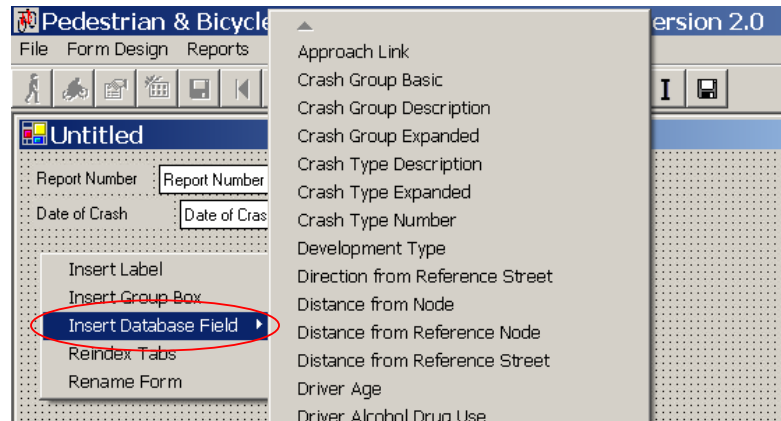
Creation of a new form using the *New Form* or *Edit Form* function is a matter of user preference. If a form exists that includes the majority of the variables desired by the user, and the layout is

satisfactory or only requires small adjustments, the *Edit Form* function may be the best approach. If a form is being designed to match the layout of a police crash report form, it may be best to use the *New Form* option, since it is unlikely there is an existing form with a layout similar to what will be required. **While creating a form to match the form of a local agency will take time to design and lay out, it is a one-time task that can save significant time during data entry.**

### Adding Fields

Adding fields to a new or existing form can be done in one of two ways. The user can use a drag-and-drop function from the *Available Database Fields* list. (See figure 28.) Simply click on the variable to be added and hold the mouse button down. Drag it to the desired location on the form; the mouse pointer will be the upper left corner of the entry. Release the mouse button, and the field alias and entry space (white box) will be present on the form. **Note that once a field is included in the form, it will no longer be in the list, which will ensure no field is included more than once.**

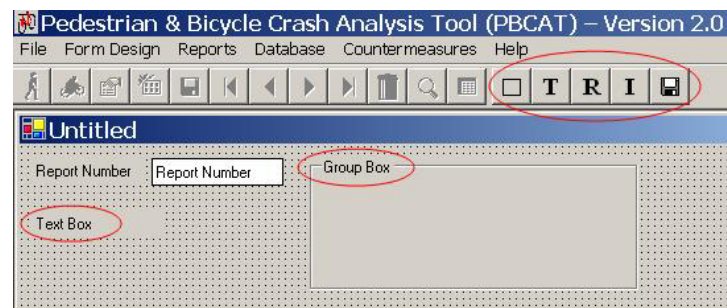
The second option for adding a field to a form is to place the mouse pointer at the location where the field is desired and right-click the mouse to access a menu of options, including one that says *Insert Database Field*. A click on that option produces the same list of available database fields. A click on the desired field places the alias and entry box on the form.



**Figure 28. Image. Insert a field on a form.**

### Adding Text and Group Boxes

The user can also insert text boxes and group boxes on the form. (See figure 29.) Text boxes can be used as headers or notes within a form or for other purposes where there is a need to provide additional text. These boxes can be up to 100 characters in length. Group boxes can be used to surround several variables that may be part of a group. For example, one can use a group box to encompass all the variables that include crash typing information. Group boxes include a title box that allows the group to be named. Inserting a text box or group box can be

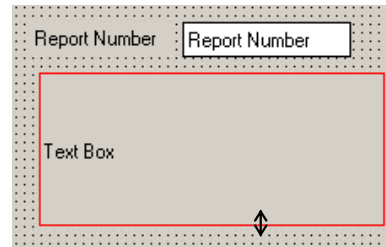


**Figure 29. Image. Insert text and group boxes on a form.**



done with the right click of a mouse, as previously described for inserting database fields. The toolbar above the form also includes buttons that can be used to insert these boxes. Once inserted, each box can be moved by clicking on the box and dragging it to the desired location on the form. A right click on the inserted box will allow the box to be renamed, deleted, or sent to the back (group box only).

All items on a form—aliases, entry boxes, text boxes, and group boxes—can be moved and resized. Each component can be moved by clicking on the object and dragging it to the new location. (See figure 30.) Each item can be resized by clicking on the object, then clicking on the edge of the highlighted box and dragging to the needed size. Groups of objects can also be moved simultaneously. Hold the control key down while clicking on all objects to be moved. **For the last object selected, keep the mouse button depressed.** Drag the group of objects to a new location on the form.



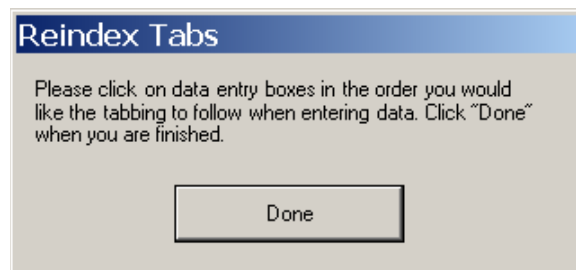
**Figure 30. Image. Resize a box.**

### Deleting Fields

During the course of creating a new form or editing an existing form, there may be a need to delete fields from the form. This is accomplished by clicking on the field (either the alias or entry box), right-clicking the mouse, and clicking *Delete*. **A deleted database field will be added back to the list of available variables. If a field is deleted by mistake, simply add it back to the database using the steps previously described.**

### Indexing Tabs

The Tab key is used during data entry to move from one field to the next. The sequence of the tabs for a new or existing form can be set or changed using the *Tab Redindexing* function. Click on the tool bar button labeled with an “I” or right click on the form (outside a box or field) and select the tab reindexing option. The instructional message shown here will appear. Simply click on the fields in the order desired for data entry. Click *Done* when the last data entry field is selected, and the order is set. (See figure 31.)



**Figure 31. Image. Set the sequence of tabs for a new or existing form.**

## Saving and Renaming

A form can be renamed by clicking on the “R” button on the toolbar or by right-clicking on the form and selecting the renaming option. A window will open to allow a new name to be entered for the form. Click *OK* to save the form under the new name. (See figure 32.) The new form name will appear in the header information.



Figure 32. Image. Rename and save a form.

A form can be saved by clicking the *Save* button on the toolbar. For a new form that has not yet been saved, a window will open to allow a new name to be entered (same as the window described for renaming). For an existing form, the user will always be prompted as to whether the form should be overwritten, as shown in figure 33. A click on *Yes* will save the form under the existing form name. A click on *No* will open the *Save Form As* window. *Cancel* will not save the form and will return the user to the form itself.

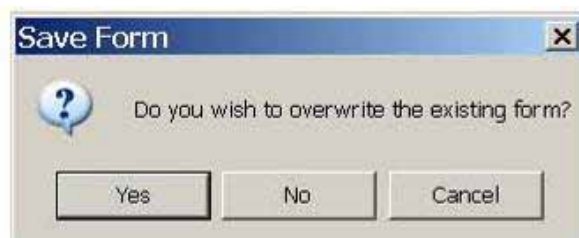


Figure 33. Image. Overwrite an existing form.

**Special Note:** After a form is created, it must be selected as the default data entry form in *Application Preferences* if it is to be the form used for data entry. (See chapter 3.)

## FORM DELETION

Forms that are not being used for data entry and forms that may have been created in error can be deleted from a database. Select the *Delete Form* option under the *Form Design* menu, and select the form to be deleted. (See figure 34.) A click on the form to be deleted will prompt a confirmation message.



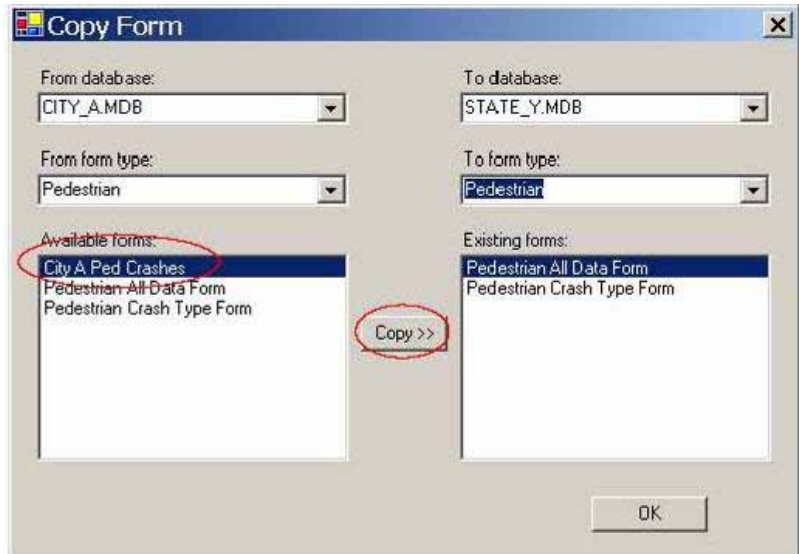
Figure 34. Image. Delete a form.

## FORM COPYING

PBCAT features the ability to copy forms from one database to another or from the pedestrian table to the bicyclist table in the same database. (See figure 35.) This feature can expedite form creation by allowing the user to make minor modifications to a form that may already exist in another database or table. As an example, consider an agency (State Y) that is planning to create a new data entry form and discovers that another agency in the State (City A) is using PBCAT and has created a form that may fulfill State Y needs.

Rather than create a new form, State Y acquires a copy of the database and desired form from City A. State Y can copy that form to their database following the steps shown in the Copy Form window. Select the to/from databases, to/from form types, and the form to be copied. Click *Copy* to have the form copied to the new database. This form can then be edited by State Y to meet their needs and avoid having to create an entirely new form.

The *Copy Form* feature also is valuable in the production of almost duplicate agency forms for pedestrian and bicyclist crashes. Since crash reports for both types of crashes will be the same in an agency, the data entry forms will also need to be similar. A form can be created for one type of collision (e.g., pedestrians), and then copied to the bicyclist table and edited to change the few fields that differ between the two modes.



**Figure 35. Image. Copy a form.**



## CHAPTER 6. DATA ENTRY AND CRASH TYPING

The primary purpose of this software product is to allow users to type pedestrian and bicyclist collisions in their community, which may lead to the selection and implementation of countermeasures targeted at specific crash types. This chapter covers the data entry and crash typing aspects of the application and includes several crash typing examples to assist users in understanding the logic of the software.

Prior to entering data in the application, the user should set the appropriate parameters in *Preferences*: (See chapters 3 and 4.)

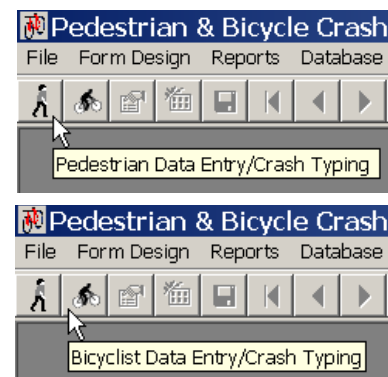
- Create a new database and establish it as the default database on the *Data Sources* tab.
- Select the default pedestrian and bicyclist data entry forms from the lists of available data forms for the default database. If necessary, create a new form or edit one of the existing forms. (See chapter 5.)
- Set the crash typing options on the *Data Sources* tab. The options include enabling or disabling the pedestrian location option, pedestrian group typing option, and bicyclist group typing option.
- Choose or create the appropriate user profile and associated editing and crash typing options on the *User Profiles* tab.

### DATA ENTRY

#### Basic Functions

Entering data and typing crashes begins by selecting either the *Pedestrian* or *Bicyclist* button on the toolbar, as shown in figure 36. A click on either of these buttons will open an empty data entry form and activate the other data entry/crash typing buttons on the toolbar. The form name and the database file name will appear in the header box. The record number will appear in the toolbar at the bottom of the page. The entire data entry form is contained on one scrollable screen. The window can also be maximized to see more fields at once.

The cursor will appear in the first field to be completed. The order of entry for the data will have been established through the *Reindexing* function when the form was designed. Proper form design and indexing will enable data entry personnel to tab from field to field in the desired order during data entry. As they become experienced with data entry, it may be more efficient to have a different order of entry. Refer to chapter 5 for instructions on *Reindexing* within *Form Design* to make such a change.



**Figure 36. Image. Enter pedestrian or bicyclist crash data.**

Error checks will be performed as data are entered for specific fields. The message received will depend on the field, but examples include:

- Field Report Number error—This field is required and a value must be entered before the user can tab to the next field. While the *Report Number* field is the only one that is initially required, the same type of message will appear for any other fields that have been established as required by the user in the *Database Fields* tab of *Preferences*.
- Field Date of Crash error—The format for this field requires eight characters entered as mmddyyyy. The months and days are also checked for validity. Any other format will not be accepted. This same error checking is used for other dates (e.g., birth dates) in the application.
- Non-integer error—Fields with an integer data type will not accept other types of characters. The error message will indicate this and tell the user to change the data type in *Preferences* if non-integer characters are desired.
- Field Crash Type Number error—This field is reserved for a value that will be produced when the crash typing is completed. Values cannot be entered directly. This same error message will appear when the user attempts to manually fill any field that is reserved for crash typing.
- Field length error—If the number of characters typed exceeds the field length that was set for a field, an error message will appear indicating this. If necessary, field lengths can be changed in the *Database Fields* tab of *Preferences*.

The crash typing function may be accessed at any time during data entry and is done with a click on the *Crash Typing* button on the toolbar, as shown in figure 37. When the crash typing is completed (i.e., a crash type is accepted after answering the series of questions/directives), the crash typing fields included on the data entry form will be completed. More details on crash typing, including several examples, are provided in a later section of this chapter.

Entries can be saved with a click on the *Save Record* button in the toolbar, as shown in figure 38. The record can be saved and resaved at any time during data entry. Be sure to save once all data have been entered and the crash typing has been completed. If unsaved changes are made to a record, any attempt to close the data entry window or add a new record will prompt a message asking if the record should be saved.



**Figure 37. Image. Access the *Crash Typing* function.**



**Figure 38. Image. Save a data entry record.**

A new record can be added by clicking on the *New Record* button, which will open an empty data entry form. (See figure 39.) The record number for the new entry will be shown in the bottom left of the screen.

### Other Functions

The toolbar includes several other functions that may be useful for managing and navigating the database, as shown in figure 40. The *arrow key* buttons allow the user to navigate to the previous and next records, as well as the first and last records in the database. The *Delete* button, denoted by the trash can icon, can be used to delete a record. A click on this button will produce a confirmation window requiring a *Yes* response to delete the record.

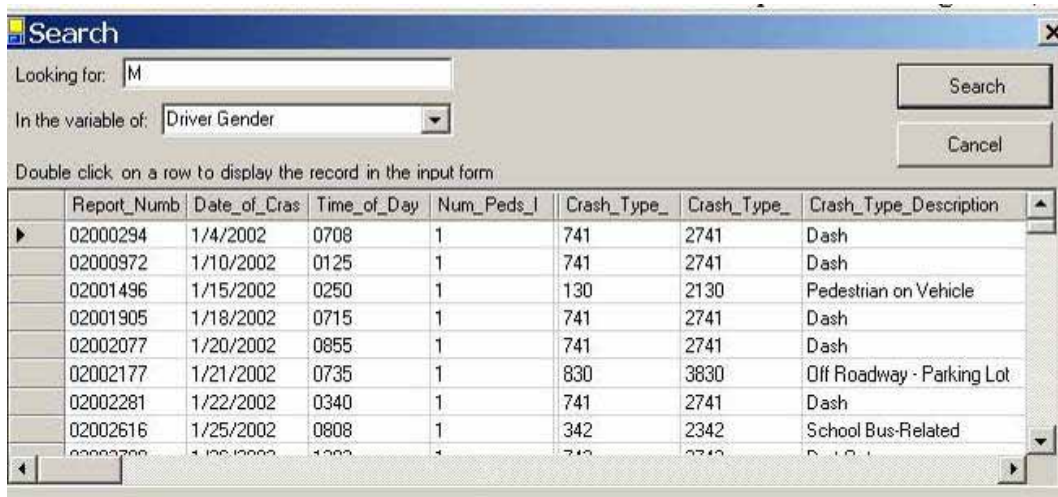


**Figure 39. Image. Open a new data entry form.**



**Figure 40. Image. Navigate to, delete, search, and browse records in a table.**

The *Search* button (magnifying glass) allows the user to search the database for a specific record or records. This feature will be most useful when searching for the record of a specific crash using the *Report Number* field. A click on this button opens a search window. The user can input the value or text to search for and the variable (field) in which to search. A click on *Search* will produce a list of records that meet the search criteria. In the example shown in figure 41, records are listed that were coded as “M” for the variable *Driver Gender*.



**Figure 41. Image. Search the database for specific records.**

The complete database can also be viewed as a table with a click of the *Browse* button on the toolbar, as shown in figure 42. Enabling browse editing on the *User Profiles* tab in *Preferences* allows the user to edit or delete existing records and create new records. A prompt to save changes will appear when the window is closed or browse mode is exited (another click on the *Browse* button). If browse editing is not enabled, the table can be viewed but not changed.

	'Report Number'	'Date of Crash'	'Time of Day'	'Crash Type'	'Crash Type Description'
▶	02000294	1/4/2002	0708	741	Dash
	02000972	1/10/2002	0125	741	Dash
	02001061	1/11/2002	0800	742	Dart-Out
	02001206	1/12/2002	0330	741	Dash
	02001209	1/12/2002	0425	140	Vehicle-Vehicle / Object
	02001225	1/12/2002	0547	610	Standing in Roadway
	02001226	1/12/2002	0634	690	Intersection - Other / Unknown
	02001442	1/15/2002	0650	311	Working in Roadway
	02001469	1/15/2002	1130	311	Working in Roadway
	02001496	1/15/2002	0250	130	Pedestrian on Vehicle
	02001905	1/18/2002	0715	741	Dash
	02002077	1/20/2002	0855	741	Dash
	02002177	1/21/2002	0735	830	Off Roadway - Parking Lot
	02002281	1/22/2002	0340	741	Dash
	02002616	1/25/2002	0808	342	School Bus-Related

**Figure 42. Image. Browse all records in the database.**

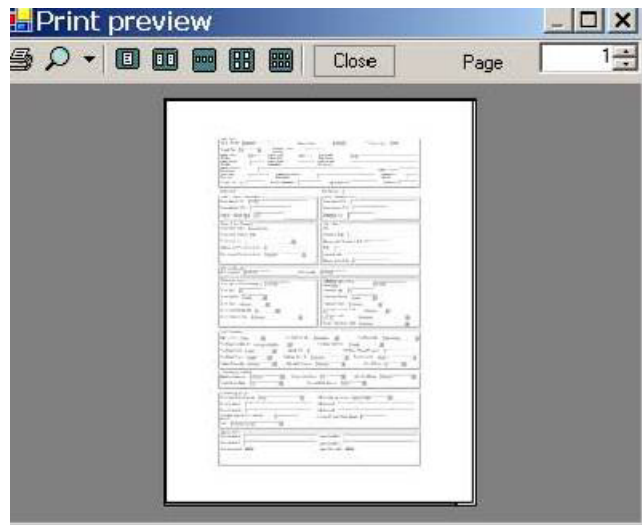
Any record in the database can be printed using the *Print* command under the *File* menu. The menu also includes options for *Page Setup* and *Print Preview*. The latter will generate the form in a window like the one shown in figure 43. This window can be maximized, and there is a zoom option to preview specific sections of the form.

## CRASH TYPING OPTIONS AND DATABASE FIELDS

Crash typing requires the user to input answers to questions and directives on a series of screens. The number of questions and directives is determined by the crash typing options selected for a particular database. The options available are shown on the *Data Sources* tab in *Preferences* and are briefly described below. Refer to chapter 4 for more details on each option and instructions for enabling each one.

### Pedestrian Location

The Pedestrian Location Option allows the user to add details regarding the specific location of pedestrian crashes at or near intersections. The answers are stored in the following fields in the database and may prove useful for conducting intersection-level analyses:



**Figure 43. Image. Preview the data form that can be printed.**



- *Motorist\_Direction* (northbound, southbound, eastbound, westbound, unknown).
- *Motorist\_Maneuver* (left turn, right turn, straight, unknown).
- *Leg\_Intersection* (nearside, farside, unknown).
- *Pedestrian\_Direction* (northbound, southbound, eastbound, westbound, unknown).
- *Scenario* (one of 36 scenarios based on the combination of motorist maneuver, intersection leg where the crash occurred, direction of travel of the pedestrian, and whether the pedestrian was in or out of the crosswalk).

Illustrations of the scenarios are provided in appendix B for reference and use in analyses. Only *Motorist\_Direction* (motorist's initial travel direction before any turns) and *Scenario* are needed to identify the precise leg of the intersection and the maneuvers of the motorist and pedestrian. If additional variables are preferred to further define location information, the user can add other fields to the database, as discussed later in this chapter.

**Special Note: To make use of the pedestrian location data in an analysis involving specific intersections, it is necessary to sort the data by intersection location. Refer to chapter 4 for a discussion of this issue.**

### Standard versus Group Typing

The logic for the standard crash typing within PBCAT will produce 56 unique pedestrian crash types and 79 unique bicyclist crash types. Some users may not want the level of detail that is available with these standard crash types. They may select the group typing option for pedestrian and/or bicyclist crashes on the *Data Sources* tab within *Preferences*. (See chapter 4.) If selected, the application will use a different logic that requires the user to answer a lesser number of questions/directives and places each crash into one of 16 pedestrian crash type groups or 20 bicyclist crash type groups.

As an example of the differences in these two options, consider a collision involving a motorist overtaking a bicyclist. Within the standard crash typing logic, the crash may be coded as one of four types: 1) *Motorist Overtaking—Undetected Bicyclist*, 2) *Motorist Overtaking—Bicyclist Swerved*, 3) *Motorist Overtaking—Misjudged Space*, or 4) *Motorist Overtaking—Other/Unknown*. If the group typing option were selected, the crash would be coded as *Motorist Overtaking Bicyclist*. The four detailed crash types available in the standard application are collapsed into the single choice in the group application. Appendix C includes a complete list of all pedestrian and bicyclist crash groups and the unique standard crash types included in each group.

### Database Fields

The database fields that are completed by the software when a crash is typed and a record is saved in the data entry mode are listed below. These fields cannot be edited or deleted on the *Database Fields* tab within *Preferences*. While the information is saved to these fields in the database for each typed crash record, not all fields have to be included on the data entry form. For example, if the only crash type information desired by the user is the crash type description,

the pedestrian and bicyclist forms can be designed to include *Crash\_Type\_Description* and exclude all other fields. Refer to chapter 5 for more details on customizing data entry forms.

#### Pedestrian and Bicyclist Fields (present in both data tables)

- *Crash\_Group\_Basic*—integer value for crash group.
- *Crash\_Group\_Description*—text descriptor for crash group.
- *Crash\_Group\_Expanded*—integer value that combines the *Crash\_Location*, *Crash\_Group\_Basic*, and other fields related to the pedestrian/bicyclist position and maneuver.
- *Crash\_Location*—integer value for location of the crash.
- *Crash\_Location\_Desc*—text descriptor for location of the crash.
- *Crash\_Type\_Basic*—integer value for crash type.
- *Crash\_Type\_Description*—text descriptor for crash type.
- *Crash\_Type\_Expanded*—integer value that combines the *Crash\_Location*, *Crash\_Type\_Basic*, and other fields related to the pedestrian/bicyclist position and maneuver.

#### Pedestrian Fields (not present in the bicyclist table)

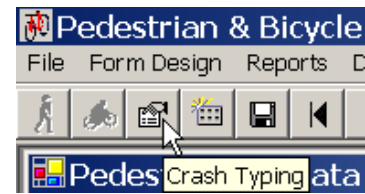
- *Leg\_Intersection*—text descriptor to further define the crash location.
- *Motorist\_Direction*—text descriptor to define the travel direction of the motorist.
- *Motorist\_Maneuver*—text descriptor to define the maneuver of the motorist.
- *Pedestrian\_Direction*—text descriptor to define the travel direction of the pedestrian.
- *Pedestrian\_Position*—integer value for pedestrian position.
- *Pedestrian\_Position\_Desc*—text descriptor for pedestrian position.
- *Scenario*—alphanumeric character for defining the crash on the basis of intersection leg, motorist maneuver and direction, and pedestrian direction.

#### Bicyclist Fields (not present in the pedestrian table)

- *Bicyclist\_Direction*—integer value for bicyclist direction.
- *Bicyclist\_Direction\_Desc*—text descriptor for bicyclist direction.
- *Bicyclist\_Position*—integer value for bicyclist position.
- *Bicyclist\_Position\_Desc*—text descriptor for bicyclist position.

## CRASH TYPING SCREENS AND DEFINITIONS

Crash typing begins with a click on the *Crash Typing* button on the toolbar, as shown in figure 44, which opens a window with the first question regarding where the crash occurred. (See example for pedestrian crashes in figure 45.) The graphics on the screens provide examples of the circumstances described in the yellow narration boxes. As the cursor is placed over a graphic and the image is highlighted by a blue border, a narrative describing the details associated with that selection is provided in the box.

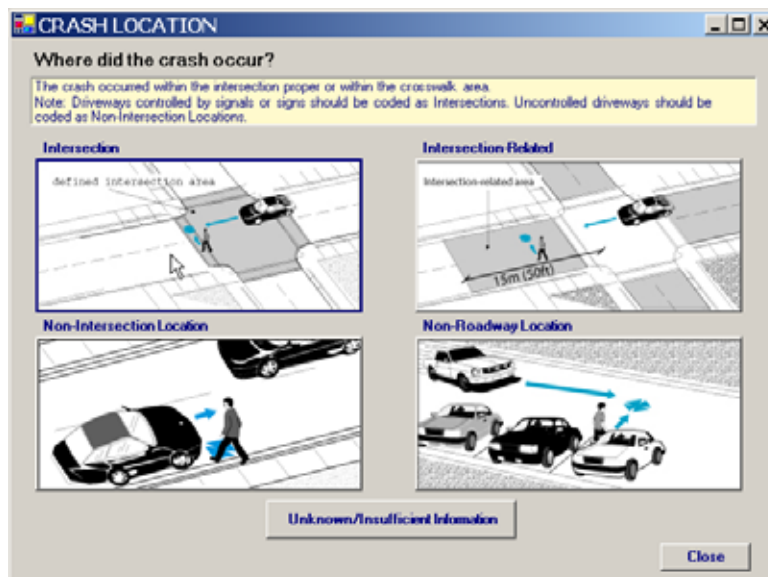


**Figure 44. Image. Start the crash typing process.**

**Special Note: The graphic is an example and the text description must be read to interpret the differences (sometime subtle) between the options on the screen. Pay particular attention to the NOTES included in the descriptions.**

Most of the screens are of the type shown below, with an image as an example of what is being described in the narrative. There are also screens with buttons (like the Unknown/Insufficient Information button below), which also require the user to read the information in the yellow narrative box. In addition, there are some screens that include radio buttons or small rectangular buttons and provide the needed descriptive information next to each button.

Each screen also includes a *Close* button, which if clicked, will ask the user whether they wish to exit crash typing. There is also a *Back* button on all screens except the first. Clicking this button will allow the user to return to the prior screen and view the response that was provided to the question on that screen. The application retains the answers provided to each question/directive as a crash is being typed, which allows a user to use the *Back* button to determine the response to any question in the sequence.



**Figure 45. Image. Identify where the crash occurred.**

Appendix F includes several tables of definitions related to the pedestrian and bicycle crash typing logic. Understanding the subtleties among some of these definitions may assist the user in understanding the choices available in the logic. Also provided in this appendix are definitions associated with other important selections such as crash location and pedestrian or bicyclist position.

## **CRASH TYPING EXAMPLES**

Appendix G provides copies of 20 crash reports (10 involving pedestrians and 10 involving bicyclists) and the crash types associated with these reports, as well as the questions/directives and correct responses for the sequence of screens encountered for each crash. Using the program in conjunction with these reports gives the user with the opportunity to practice and sharpen crash typing skills and understand the logic built into the program. These examples may also be used as training materials for someone new to the concept of crash typing.

Following are three examples (one pedestrian and two bicyclist crashes) to illustrate the steps involved in typing a crash and the screens that appear in the application. The first two examples use standard crash typing, while the third illustrates the use of the group typing option. The pedestrian example is completed with the pedestrian location option enabled.

Before answering any questions, read the entire crash report, paying particular attention to the sketches and narratives and looking at the fields related to location, intersection control, and operator characteristics and condition.

### **Example 1—Bicyclist Crash (Standard Typing)**

This example is from a crash in Florida involving a bicyclist and motorist. A 3-page police crash report is shown in figures 46, 47, and 48. The first two pages of the report include a description of the location, operator (bicyclist and driver) information, and a number of completed fields describing aspects of the location (e.g., type of traffic control) and contributing factors. The third page features a drawing of the scene and a narrative describing the sequence of events. Read the narrative, study the drawing, and become familiar with the characteristics of the location and operators involved.


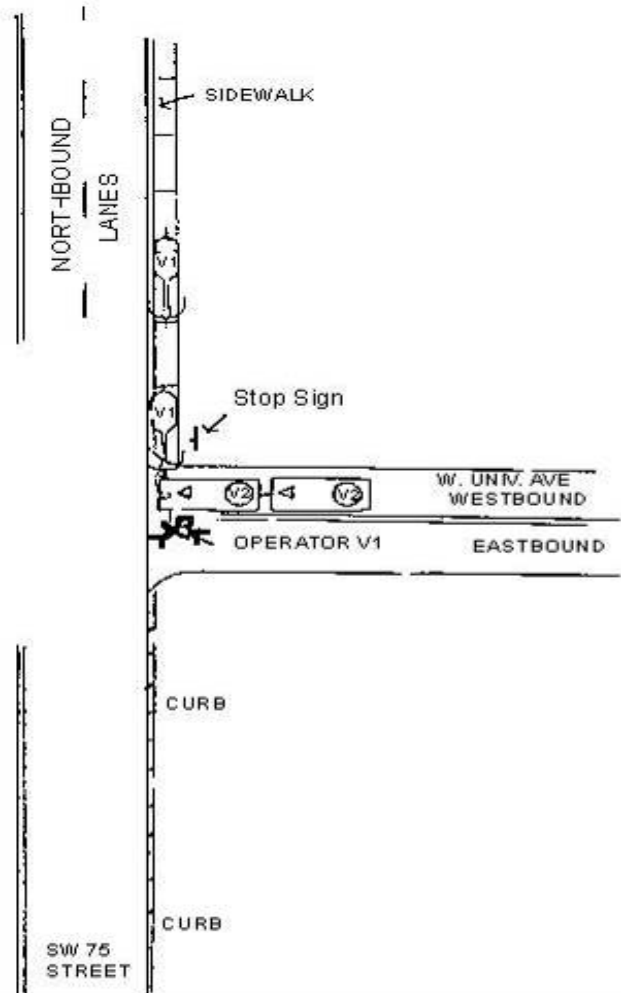
## Florida Crash Report

Time & Location	Date of Crash 2/12/92	Time of Crash AM 1:20 PM	Time Officer Notified 10:01 AM	Time Officer Arrived 10:12 AM	Agency Report No.	Crash Report No. <b>REPORT 1</b>
	County/City Code 11/00	Feet or Miles 1.0	N S E W N S E W X	City or Town GAINESVILLE, FL	In City/Town?	County ALACHUA
	No. of Lanes 4	On street, Road, or Highway SW. 75 STREET				
At Intersection of W. UNIVER. AVENUE N S E W Feet/Miles of Intersection						
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 92	Make Cannon Dale	Type 10	Use	POINT OF IMPACT Circle Area of Damage 14
Vehicle	Vehicle Traveling N S E W On	SIDEWALK AT 15 Est. MPH		Posted Speed 40	Estimated Damage \$ 50	1 Disabling 2 Functional 3 No Damage 2
BAC TEST	5	Results N/A	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1
Ped	Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM 2 No 3 NA
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 88	Make Hyun	Type 1	Use	POINT OF IMPACT Circle Area of Damage 2
Vehicle	Vehicle Traveling N S E W On	W. Univer. Avenue AT 7 Est. MPH		Posted Speed 30	Estimated Damage \$ 150	1 Disabling 2 Functional 3 No Damage 3
BAC TEST	5	Results N/A	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 2
Ped	Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM 2 No 3 NA
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	POINT OF IMPACT Circle Area of Damage
Vehicle	Vehicle Traveling N S E W On	AT Est. MPH		Posted Speed	Estimated Damage \$	1 Disabling 2 Functional 3 No Damage
BAC TEST		Results	AL/Drugs	Phys. Def.	Res.	Race
Ped	Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other	Driving Ability Questionable RECOMMEND RE-EXAM 2 No 3 NA
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects	Alcohol/Drug Use	Location (in Vehicle)	
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known	1 Not Drinking or using drugs	1 Front Left	
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect	2 Alcohol-Under Influence	2 Front Center	
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep	3 Drugs- Under Influence	3 Front Right	
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect.	4 Alcohol & Drugs-Under Influence	4 Rear Left	
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness	5 Had Been Drinking	5 Rear Center	
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout	6 Pending BAC Test Result	6 Rear Right	
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		7 Body of truck	
08 Bus	08 Law Enforcement	08 Pole Tractor			8 Bus Passenger	
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle			9 Other	
10 Motorcycle	10 Military	77 Other			Ejected	
11 Moped	11 Other Government		Race	Safety Equipment	1 No	
12 All Terrain Vehicle	77 Other		1 White 3 Hispanic	1 Not in use	2 Yes	
13 Train	DL Type	Residence	2 Black 4 Other	2 Seat Belt / Shoulder Harness	3 Partial	
77 Other	1 A 2 B 3 C	1 County of Crash	Required Endorsements	3 Child Restraint		
	4 D/Chauffeur 7 None	2 Elsewhere in State	1 Yes 2 No 3 NR	4 Air Bag		
	5 E/Operator	3 Non-Resident (State)	Sex	5 Safety Helmet		
	6 E/Oper-Rest	4 Foreign 5 Unknown	1 Female 2 Male	6 Eye Protection		

Figure 46. Image. Page 1 of Florida Crash Report for example 1.

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement			
01 No Improper Driving/Action	1	2 3	01 No Defects	1 2 3	01 Straight Ahead	1 2 3			
02 Careless Driving			02 Def. Brakes	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	02 Slowing / Stopped / Stalled	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
03 Failed to Yield Right-of-Way	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		03 Worn/Smooth Tires	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Making Left Turn	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
04 Improper Backing	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		04 Defective/Improper Lights	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Backing	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
05 Improper Turn	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		05 Puncture/Blowout	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	05 Making Right Turn	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
06 Alcohol-Under Influence	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		06 Steering Mech.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	06 Changing Lanes	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
07 Drugs-Under Influence	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		07 Windshield Wipers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	07 Entering / Leaving Parking Space	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
08 Alcohol & Drugs-Under Influence	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		08 Equipment/Vehicle Defect	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	08 Improperly Parked	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
09 Followed Too Closely	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		77 All Other (Explain)			77 All Other (Explain)			
11 Disregarded Stop Sign	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Vehicle Special Functions			Location Type		Location on Roadway	
12 Exceeded Safe Speed Limit	19 Improper Load		1 None	1 2 3	1 Primarily Business	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 On road		
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		2 Farm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2 Primarily Residential	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2 Not on Road	1 2 3	
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		3 Police Pursuit	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 Open Country	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 Shoulder	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
15 Improper Passing	22 Fleeing Police		4 Recreational	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	5 Emergency Oper.			4 Median	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
16 Drove Left of Center	23 Vehicle Modified		6 Construction/Maintenance	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				5 Turn Lane	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
17 Exceeded Stated Speed Limit	77 Other								
18 Obstructing Traffic									
Pedestrian Action			Road System Identifier		Road Surface	Light Condition	Road Surface		
01 Crossing Not at Intersection	1 2 3		01 Interstate	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	01 Dry	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	01 Daylight		
02 Crossing at Mid-block Crosswalk	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		02 U.S.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	02 Wet	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	02 Dusk	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
03 Crossing at Intersection	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		03 State	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Slippery	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Dawn	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
04 Walking along Road with Traffic	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		04 County	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Icy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Dark (Street Light)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		05 Local	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Weather		05 Dark (No Street Light)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
06 Working on Vehicle in Road	77 All Other		06 Turnpike/Toll	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	01 Clear	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	06 Unknown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
07 Other Working in Road	88 Unknown		07 Forest Road	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Rain	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	07 Other	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
08 Standing/Playing in Road			07 All Other	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	02 Cloudy	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Fog	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
First/Subsequent Harmful Event									
01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators							
02 Collision with MV in Transport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road							
03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Object							
04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road							
05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert							
06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water							
07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned							
08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle							
09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed							
10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire							
11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion							
12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other							
Contributing Causes - Road			Contributing Causes - Environment		Traffic Control		Site Location	Traffic Character	
01 No Defects	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	01 Vision Not Obscured	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	01 No Control	11 No Pass Zone	01 Not at Intersection/ RR Xing / Bridge	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Straight Level	
02 Obstruction With / Without Warning	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	02 Inclement Weather	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	02 School Zone	77 All Other	02 At Intersection	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2 Straight - Upgrade/Downgrade	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
03 Road Under Repair / Construction	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Parked/Stopped Vehicle	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Traffic Signal	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	03 Influenced by Intersection	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 Curve - Level	
04 Loose Surface Materials	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Trees/Crops/Bushes	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Stop Sign	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	04 Driveway Access	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4 Curve - Upgrade/Downgrade	
05 Shoulders - Soft/Low/High	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	05 Load on Vehicle	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	05 Yield Sign	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	05 Railroad Crossing	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Type Shoulder	
06 Holes/Ruts/Unsafe Paved Edge	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	06 Building/Fixed Object	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	06 Flashing Light	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	06 Bridge	11 Private Prop.	1 Paved	
07 Standing Water	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	07 Signs/Billboards	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	07 Railroad Signal	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	07 Entrance Ramp	77 Other	2 Unpaved	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
08 Worn/Polish Surface	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	08 Fog	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	08 Officer / Guard / Flagmen	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	08 Exit Ramp	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 Curb	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
77 All Other	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	09 Smoke	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	09 Posted No U-Turn	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	09 Public Parking Lot	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
		10 Glare	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	10 Special Speed Zone	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	10 Private Parking Lot	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Violator	FL Statute Number	Charge				Citation #			
1	316.065(1)	Failed to immediately report accident to law enforcement							
2	316.123(2xa)	Violation of right of way from stop sign to intersection							
Was Investigation Made at Scene?		Is Investigation Complete		Date of Report	Photos Taken?		Investigating Agency		
<input checked="" type="checkbox"/>	1 Yes	<input checked="" type="checkbox"/>	1 Yes	2/16/92	<input type="checkbox"/>	Yes			
<input type="checkbox"/>	2 No, Where?	<input type="checkbox"/>	2 No- Why?		<input checked="" type="checkbox"/>	No			

Figure 47. Image. Page 2 of Florida Crash Report for example 1.

EMS INFO/FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code	Date of Crash	Report No.1
Diagram			11/00	2/12/92	
<div style="text-align: right; margin-bottom: 10px;">  <p>INDICATE NORTH WITH ARROW</p> </div> <div style="text-align: center;"> <p>SW 75 STREET</p>  </div>					
NARRATIVE					
<p>V1, A BICYCLE, WAS SOUTHBOUND ON THE SIDEWALK OF SW 75 STREET. THE DRIVER OF V2 WAS WESTBOUND ON WEST UNIVERSITY AVENUE INTENDING TO MAKE A RIGHT TURN ONTO SW 75 STREET AND HAD STOPPED AT THE STOP SIGN. THE DRIVER OF V2 FAILED TO SEE V1 APPROACHING AS SHE BEGAN TO DRIVE FORWARD, WITH THE FRONT OF V1 STRIKING THE RIGHT FRONT OF V2 AND EJECTING THE OPERATOR OF V1 ONTO THE PAVEMENT.</p>					

**Figure 48. Image. Page 3 of Florida Crash Report for example 1.**

As shown in figure 49, click on the *Bicyclist* button to open a bicyclist crash data entry form.

Click on the *Crash Typing* button to begin the crash typing process.

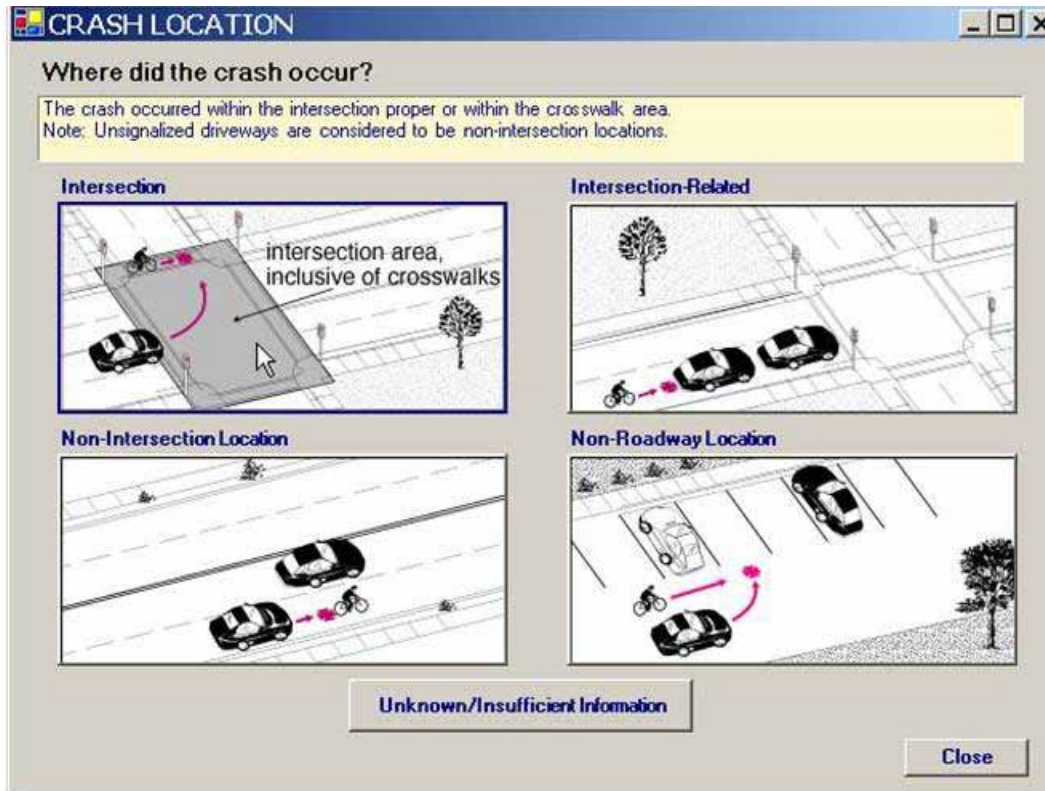
**Reminder:** The screens that appear in this example are for standard crash typing, which means the group typing option was NOT enabled on the *User* tab in *Preferences*.

#### Screen 1—Crash Location

In the time and location section of the crash report (on page 1), the location of the crash is given as “SW 75 Street” at the intersection of “W. Univer. Avenue.” A review of the descriptions for the location options on the screen leads to the correct choice of *Intersection*. (See figure 50.) Click this graphic to advance to the next screen.



**Figure 49. Image. Open a bicyclist crash data entry form then begin the crash typing process.**



**Figure 50. Image. Click on Intersection to indicate where crash occurred.**



### Screen 2—Bicyclist Position

The next screen asks for the initial position of the bicyclist. The crash report drawing shows the bicyclist (denoted as V1) on the sidewalk. The narrative also notes that the bicyclist “...was southbound on the sidewalk...” Finally, it is noted on page 1 of the crash report that vehicle 1 was traveling on the sidewalk. Thus, the correct answer on this screen is “On a sidewalk, crosswalk, or driveway crossing.” Click the radio button next to this text, as shown in figure 51.

### Screen 3—Bicyclist Direction

The next screen asks for information related to where the bicyclist was riding just prior to the crash or prior to making a maneuver that caused the crash. From the drawing of the crash, it can be determined that the bicyclist was riding southbound on the sidewalk next to the northbound motor vehicle traffic. Thus, the correct choice on this screen is “Facing traffic.” Click the radio button next to this text, as shown in figure 52.

BICYCLIST POSITION

What was the initial position of the bicyclist?

- On a roadway, in a shared travel lane
- On a roadway, in a bicycle lane or on a paved shoulder
- On a sidewalk, crosswalk, or driveway crossing
- On a separate bicycle/multi-use path
- On a driveway or alley
- Other non-roadway areas (parking lot, open areas, etc.)
- Other (e.g., unpaved shoulder, worn path, etc.)
- Unknown

Back Close

**Figure 51. Image. Indicate where the bicyclist was initially positioned.**

BICYCLIST DIRECTION

In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?

- With traffic
- Facing traffic
- Not applicable (e.g., exiting a driveway, in a parking lot, or other non-roadway area)
- Unknown

Back Close

**Figure 52. Image. Indicate travel direction of the bicyclist.**

#### Screen 4—Unusual/Specific Circumstances

The next screen asks if the crash was one of several unusual or specific circumstances. After reading the descriptions associated with the five specific crash types on the screen, it is apparent that the correct answer is “None of the Above.” As shown in figure 53, click this button to advance to the next screen.

**Special Note: In most cases, the answer to this question will be “None of the Above.” However, the user should be familiar with each of these unique types of collisions in the event that such a crash does fit the specific circumstances.**

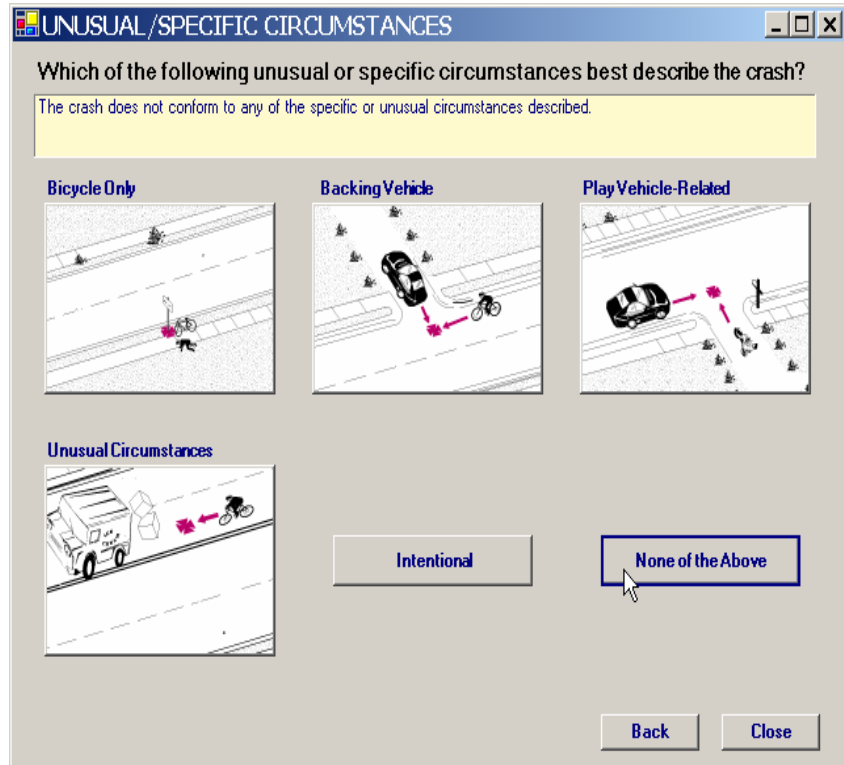


Figure 53. Image. Indicate unusual/specific circumstances.

#### Screen 5—Initial Approach Paths

The approach paths of the two parties is a major decision point in the crash typing logic. The choices are “Crossing Paths” and “Parallel Paths” and are defined as the paths of the two parties prior to the crash and prior to any turns that caused the crash. In this example, the diagram clearly shows the bicyclist and motorist on intersecting paths. As shown in figure 54, click on any of the crossing path graphics (in blue) to advance to the next screen.



Figure 54. Image. Indicate initial approach paths.

### Screen 6—Crossing Path Crash—Intersection

The remaining screens prompt the user with a series of questions about the maneuvers of one or both parties involved or about the characteristics of the site of the crash. The question shown here and the choices available are based on prior choices—the fact that the crash occurred at an intersection and that the two parties were on crossing paths. From the narrative and diagram on page 3 of the crash report, “Drive/Ride—Out/Through” is the correct choice. Click on this graphic, as shown in figure 55.

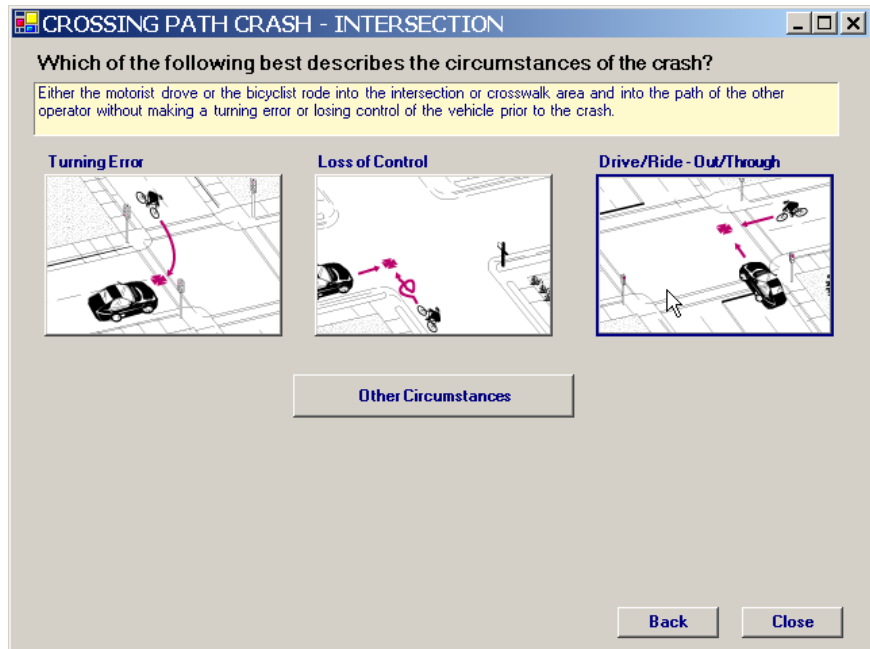


Figure 55. Image. Indicate maneuvers made by the parties.

### Screen 7—Type of Traffic Control

The next screen asks the user to select the type of traffic control present at the intersection. There is a traffic control variable on page 1 of the crash report form; one of the codes entered is for a stop sign. The diagram on the crash also shows a stop sign. Thus, “Stop signs, yield signs, or flashing signals” is the correct choice. Click on the radio button next to that selection, as shown in figure 56.

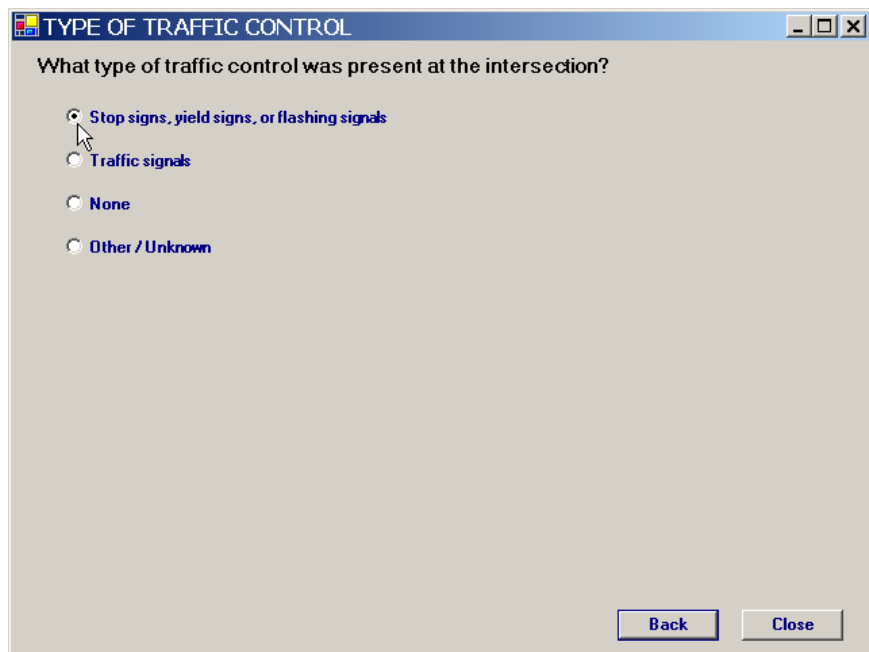
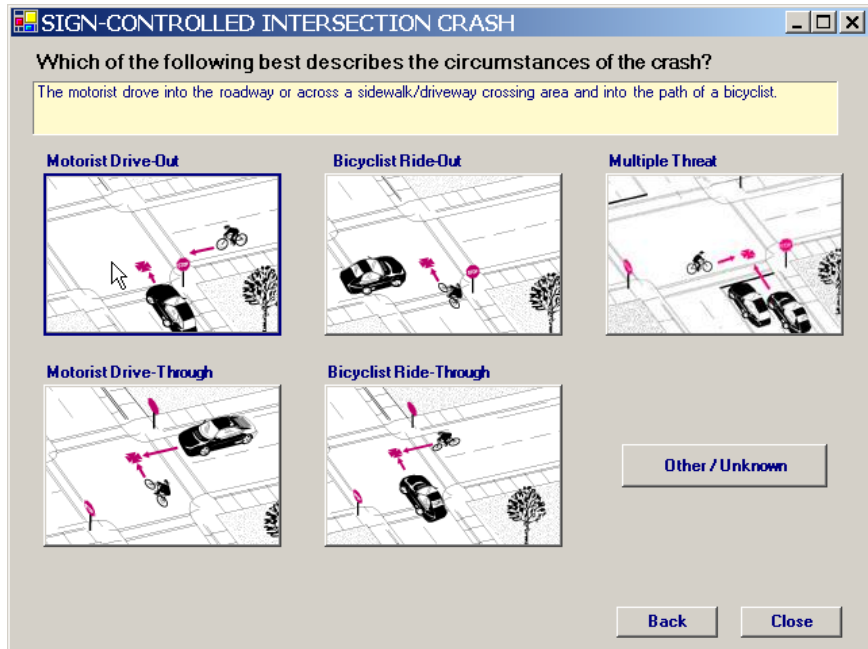


Figure 56. Image. Indicate type of traffic control at the intersection.

### Screen 8—Sign-Controlled Intersection Crash

The next screen prompts the user for more details on the basis that the crash occurred at a sign-controlled intersection. After reading all the choices carefully and then reading the narrative of the crash report, the correct choice is “Motorist Drive-Out,” as shown in figure 57. The key words in the narrative that lead to this decision are that the motorist “...stopped at the stop sign.”

**Special Note: This is an example of where care must be taken to read the narrative and review the report sketch, as there are subtle differences in the definitions of “Drive-Out” and Drive-Through.”**

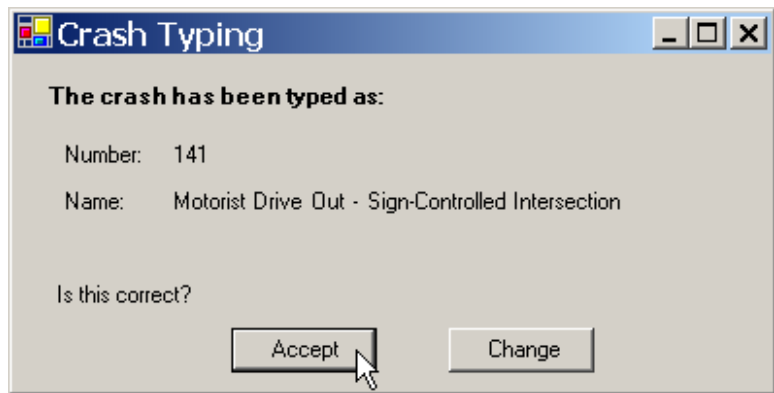


**Figure 57. Image. Describe the circumstances of a sign-controlled intersection crash.**

### Screen 9—Crash Typing

The final screen that will appear when all required questions and directives have been answered is the crash typing window, which will include the name and number of the crash type. In this example, the crash type is a “Motorist Drive-Out Sign-Controlled Intersection” crash. Clicking *Change* will return the user to the previous screen and allow the answer to be changed on this screen (or other screens by clicking on the *Back* button).

As shown in figure 58, clicking *Accept* will complete the fields on the data entry form and save the crash typing information in the database.



**Figure 58. Image. Enter crash typing data into the entry form.**

### Completed Crash Typing Fields

The values for the crash typing fields in this example that will appear in the database and on the form (for those fields chosen to be included on the form) are shown in table 1:

**Table 1. Values for Crash Typing Fields for Example 1**

<b>Field Name</b>	<b>Alias</b>	<b>Value for This Example</b>
<i>Crash_Location</i>	Crash Location	1
<i>Crash_Location_Desc</i>	Crash Location Description	Intersection
<i>Crash_Type_Basic</i>	Crash Type Number	141
<i>Crash_Type_Description</i>	Crash Type Description	Motorist Drive Out—Sign-Controlled Intersection
<i>Crash_Type_Expanded</i>	Crash Type Expanded	132141
<i>Crash_Group_Basic</i>	Crash Group Number	140
<i>Crash_Group_Description</i>	Crash Group Description	Motorist Failed to Yield—Sign-Controlled Intersection
<i>Crash_Group_Expanded</i>	Crash Group Expanded	132140
<i>Bicyclist_Direction</i>	Bicyclist Direction	2
<i>Bicyclist_Direction_Desc</i>	Bicyclist Direction Position	Facing Traffic
<i>Bicyclist_Position</i>	Bicyclist Position	3
<i>Bicyclist_Position_Desc</i>	Bicyclist Position Description	Sidewalk/Crosswalk/Driveway Crossing

### Example 2—Pedestrian Crash (Standard Typing, Location Option Enabled)

This example is from a crash in North Carolina involving a pedestrian and motorist. A police crash report is shown in figures 59, 60, and 61. The first page of the report, figure 59, includes a description of the location, operator (pedestrian and driver) information, and a number of completed fields describing aspects of the location (e.g., type of traffic control) and characteristics of the crash. The second page, figure 60, includes contributing factors, a drawing of the scene and a narrative describing the sequence of events. The third page, figure 61, shows the list of codes for the fields used on the report. Read the narrative, study the drawing, and become familiar with the characteristics of the location and operators involved.

### North Carolina Crash Report


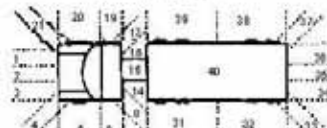
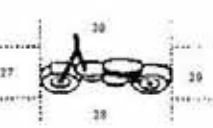
Date 4/1/91 <small>Month Day Year</small>	Day of Week MONDAY	County WAKE	Time 17:04 <small>(24 hr. Clock)</small>	Local Use/Patrol Areas	REPORT NUMBER NUMBER 4				
Collision Occurred <input checked="" type="checkbox"/> In <input type="checkbox"/> Near <u>GARNER</u> Municipality or _____ Miles <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W Outside Municip.									
on <u>AVERSBORO RD.</u> (R.R. Crossing # _____) _____ Miles <u>0</u> ft. <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W <small>Highway Number, or Highway, Street, (If ramp or service road, indicate on line) (If B side of road)</small>									
at or from <u>FOREST DR</u> <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W toward <u>WADE AVE</u> <small>Use Highway Number, Street Name, or Adjacent County or State Line Use Highway Number, Street Name, or Adjacent County or State Line</small>									
<input checked="" type="checkbox"/> Vehicle 1 <input type="checkbox"/> Hit & Run			<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other						
1. Vision Obstruction <u>f</u>		2. Physical Condition <u>f</u>		1. Vision Obstruction <u>f</u>					
3. Intoxication <u>f</u> Restrictions <u>None</u>				2. Physical Condition <u>1</u>					
3. Intoxication <u>f</u> Restrictions <u>None</u>				3. Intoxication <u>f</u> Restrictions _____					
Veh. Year <u>88</u> Veh. Make <u>FORD</u> Veh. Type Code <u>P</u>		Veh. Year _____ Veh. Make _____ Veh. Type Code _____		Veh. Year _____ Veh. Make _____ Veh. Type Code _____					
Commercial Vehicle <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Trailer Type Code _____		Commercial Vehicle <input type="checkbox"/> Yes <input type="checkbox"/> No					
Air Bag Deployed <input checked="" type="checkbox"/> Passenger <input checked="" type="checkbox"/> Width _____ inches		1st Trailer No. of Axles _____		Air Bag Deployed <input type="checkbox"/> Passenger <input type="checkbox"/> Width _____ inches					
Vehicle Driveable <input checked="" type="checkbox"/> Length _____ feet		2nd Trailer No. of Axles _____		Vehicle Driveable <input type="checkbox"/> Length _____ feet					
Post Crash File <input type="checkbox"/> Rollover <input checked="" type="checkbox"/> Width _____ inches		Hazardous Cargo <input type="checkbox"/> Length _____ feet		Post Crash File <input type="checkbox"/> Rollover <input type="checkbox"/> Width _____ inches					
Hazardous Cargo <input type="checkbox"/> Spilled <input checked="" type="checkbox"/> TAD <u>None</u>		Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> TAD _____		Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> TAD _____					
Crossed Median <input checked="" type="checkbox"/> Est. Damage \$ <u>0</u>		Crossed Median <input type="checkbox"/> Est. Damage \$ _____		Crossed Median <input type="checkbox"/> Est. Damage \$ _____					
OCCUPANT SECTION INSTRUCTIONS: Give INJURY Class, Belt/Helmet Usage, Race/Sex and Age of <b>all occupants</b> in the space corresponding to the seat occupied (see codes at top).									
Driver 1			Driver 2, Pedestrian, Other						
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age
Left Front	0	3	W/F	26	Left Front	C	N/A	B/F	25
Center Front					Center Front				
Right Front	0	3	W/M	3	Right Front				
Left Front	0	4	W/M	6 mon.	Left Front				
Center Rear					Center Rear				
Right Rear					Right Rear				
Total No. Occupants <u>3</u>		Total Number Injured <u>0</u>		Total No. Occupants <u>N/A</u>		Total Number Injured <u>1</u>			
Ambulance Requested <u>Yes</u> If yes, Ambulance Arrived At _____ (24 Hour Clock)									
Injured Taken to <u>Cone Hospital 1200 N. Elm St. Greensboro</u> Serviced by _____									
Points of Initial Contact (write in codes) <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Passenger Cars/Small Trucks</p> </div> <div style="text-align: center;">  <p>Tractor-Trailers</p> </div> <div style="text-align: center;">  <p>Motorcycle, Bicycle, or Moped</p> </div> </div>									
Accident Sequence		Veh. 1 Veh. 2 or Ped.		0. No Contact 25. Rollover 26. Unknown Underneath: 22. Front 23. Center 24. Rear		Roadway Information		18. Road Defects	
6. Vehicle Maneuver/ Ped Action		8 17		Veh. 1 Veh. 2 or Ped.		11. Locality		30. Road Condition	
7. First Harmful Event		0 0		Speed Limit (each vehicle)		12. Development Type		31. Light Condition	
7. Most Harmful Event		0 0		Estimated Original Traveling Speed		13. Road Feature		32. Weather	
8. Object Struck		7		Estimated Speed at Impact		14. Road Character		23. Traffic Control	
8. Distance to Object Struck		8		Time in pressure Before Impact (sec)		15. Road Class		17. Road Config.	
10. Vehicle Defects		8		Distance Traveled After Impact (ft)		16. Number of Lanes		18. Road Surface	
						17. Road Config.		Operating? Visible?	
						18. Road Surface		Y Y	

Figure 59. Image. Page 1 of North Carolina Crash Report for example 2.

Circumstances Contributing to the Collision (Check as many apply)										Vehicle 1						
										Removed to						
										by						
										Authority						
										Vehicle 1						
										Removed to						
										by						
										Authority						
Driver 1 2	<input type="checkbox"/> <input checked="" type="checkbox"/>	1. None				10. Pass stopped school bus			19. Safe movement violation							
		2. Alcohol Use				11. Passing on hill			20. Following too closely							
		3. Drug Use				12. Passing on curve			21. Improper backing							
		4. Yield				13. Other improper passing			22. Improper parking							
		5. Stop sign				14. Improper lane			23. Unable to determine							
		6. Traffic signal				15. Use of improper lane			24. Left of center							
		7. Exceeding speed limit				16. Improper turn			25. Right turn on red							
		8. Exceeding safe speed				17. Improper or no signal			26. Other							
		9. Failure to reduce speed				18. Improper vehicle equip.										
Vehicle 1 was traveling										<input type="checkbox"/> N	<input checked="" type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	on	Aversboro Rd.	Report Number 4
Vehicle 1 was traveling										<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	on	Aversboro Rd.	
<b>DIAGRAM</b>																
<b>DESCRIPTION</b>																
<p>DRIVER #1 STATED THAT SHE STOPPED AT INTERSECTION, WAITED FOR AN OPENING IN TRAFFIC, AND PROCEEDED TO TURN LEFT ONTO AVERSBORO RD. SHE SAID SHE DID NOT SEE THE PEDESTRIAN UNTIL SHE STRUCK HER. THE PEDESTRIAN STATED THAT WHEN THERE WAS AN OPENING IN TRAFFIC AND STARTED TO CROSS THE ROAD. SHE SAID SHE SAW VEH #1 STOPPED AND DID NOT KNOW SHE WOULD PULL OUT. WITNESSES STATED THAT THE PEDESTRIAN WAS CROSSING THE ROAD WHEN VEHICLE #1 PULLED OUT AND THEY COLLIDED.</p>																

Figure 60. Image. Page 2 of North Carolina Crash Report for example 2.

## Codes for North Carolina Collision Report Forms

<b>Accident Sequence Codes</b>				
<b>6. Vehicle Maneuver/</b> <b>Pedestrian Action:</b> <b>VEHICLE</b> 1. Stopped in travel lane 2. Parked out of travel lanes 3. Parked in travel lanes 4. Going straight ahead 5. Changing lanes or merging 6. Passing 7. Making right turn 8. Making left turn 9. Making U turn 10. Backing 11. Slowing or stopping 12. Starting in roadway 13. Parking 14. Leaving parked position 15. Avoiding object in road 16. Other (describe) <b>PEDESTRIAN</b> 17. Crossing at intersection 18. Crossing not at intersection 19. Coming from behind parked vehicle 20. Walking with traffic 21. Walking against traffic 22. Getting on or off vehicle 23. Standing in road 24. Working in road 25. Playing in road 26. Lying in road 27. Other in road 28. Not in road	<b>7. First Harmful Event:</b> <b>RAN OFF ROAD</b> 1. Right 2. Left 3. Straight ahead <b>NON-COLLISION</b> 4. Overturn 5. Other <b>COLLISION OF MV WITH</b> 6. Pedestrian 7. Parked vehicle 8. Train 9. Bicycle 10. Moped 11. Animal 12. Fixed object 13. Other object <b>COLLISION OF MV WITH ANOTHER VEHICLE</b> 14. Rear end, slow or stop 15. Rear end, turn 16. Left turn, same roadway 17. Left turn, different roadways 18. Right turn same roadway 19. Right turn, different roadways 20. Head on 21. Sideswipe 22. Angle 23. Backing	<b>8. OBJECT STRUCK (excluding another MV in traffic)</b> 1. None 2. Parked vehicle 3. Bicycle, moped 4. Pedestrian 5. Animal 6. Tree 7. Utility pole (with or without light) 8. Luminaire pole (non-breakaway) 8. Luminaire pole (breakaway) 10. Official highway sign (non-breakaway) 11. Official highway sign (breakaway) 12. Commercial sign 13. Guardrail end on shoulder 14. Guardrail face on shoulder 15. Guardrail end in median 16. Guardrail face in median <b>Non-Guardrail:</b> 17. Shoulder barrier end 18. Shoulder barrier face 19. Median barrier end 20. Median barrier face 21. Bridge rail end 22. Bridge rail face 23. Overhead part of underpass 24. Pier on shoulder of underpass 25. Pier in median of underpass 26. Abutment (supporting wall of underpass) 27. Curb, median or traffic island	28. Catch basin or culvert on shoulder 29. Catch basin or culvert in median 30. Ditch bank 31. Mailbox 32. Fence or fence post 33. Construction barrier 34. Crash cushion 35. Other object (Write in narrative) <b>9. DISTANCE TO OBJECT STRUCK</b> 1. In road 2. Right of road, 0-10 ft. 3. Right of road, 11-30 ft. 4. Right of road, over 30 ft. 5. Left of road, 0-10 ft. 6. Left of road, 11-30 ft. 7. Left of road, over 30 ft. 8. None or N/A 9. Straight ahead, 0- 10 ft. 10. Straight ahead, 11 -30 ft. 11. Straight ahead, over 30 ft. <b>10. VEHICLE DEFECTS</b> 1. Defective brakes 2. Defective headlights 3. Defective rearlights 4. Defective steering 5. Defective tires 6. Other defects 7. Not known if defective 8. No defects detected	
<b>1. Vision Obstruction</b> 1. None 2. Vehicle windows 3. Trees, crops, brush, etc. 4. Building(s) 5. Embankment 6. Sign(s) 7. Hillcrest 8. Parked Vehicle(s) 9. Moving Vehicle(s) 10. Blinded, headlights 11. Blinded, sunlight 12. Blinded, other lights 13. Other (write in narrative) 14. Unknown <b>2. Physical Condition</b> 1. Normal 2. Ill 3. Fatigued 4. Asleep 5. Impairment due to medicine, alcohol, or drugs 6. Other physical impairment 7. Restriction not compiled with 8. Condition not known <b>3. INTOXICATION</b> 1. Had not been drinking 2. Drinking--test given 3. Drinking--test refused 4. Unknown	5. Drinking--no test <b>4. INJURY CLASS</b> K-Killed A-Incapacitating B-Nonincapacitating C-No visible-But complaint of pain O-No injury <b>5. Belt/Helmet</b> 1. None or not used 2. Lap only 3. Lap and shoulder 4. Child restraint system 7. If motorcycle, Helmet in use 8. Unable to determine	4. Driveway private 5. Alley Intersection 6. Intersection of roadways 7. Non-Intersection median crossing 8. End or beginning of divided highway 9. Interchange ramp 10. Interchange service road 11. Railroad crossing 12. Tunnel 13. Other (write in narrative) 14. No special feature <b>14. Road Character</b> 1. Straight, level 2. Straight, hillcrest 3. Straight, grade 4. Straight, bottom (sag) 5. Curve, level 6. Curve, hillcrest 7. Curve, grade 8. Curve, bottom (sag) <b>15. Road Class</b> 1. Interstate 2. U.S. Route 3. N.C. Route 4. State secondary route 5. Local street 6. Public vehicular area 7. Private road, property or driveway <b>16. Number of Lanes</b> Enter "0" if parking lot	<b>17. Road configuration</b> 1. Undivided, one-way 2. Undivided, two-way 3. Divided <b>18. Road Surface</b> 1. Concrete 2. Grooved concrete 3. Smooth Asphalt 4. Coarse Asphalt 5. Gravel 6. Sand 7. Soil 8. Other <b>19. Road Defects</b> 1. Loose material on surface 2. Holes, deep ruts 3. Low shoulders 4. Soft shoulders 5. Other defects 6. Under construction with defects 7. No defects 8. Under construction, no defects <b>20. Road Condition</b> 1. Dry 2. Wet 3. Muddy 4. Snowy 5. Icy 6. Other (write in narrative)	<b>21. Light Condition</b> 1. Daylight 2. Dusk 3. Dawn 4. Darkness (street lighted) 5. Darkness (not street lighted) <b>22. Weather</b> 1. Clear 2. Cloudy 3. Raining 4. Snowing 5. Fog, smog, smoke, dust 6. Sleet or hail <b>23. Traffic Control</b> 1. Stop sign 2. Yield sign 3. Stop and go signal 4. Flashing signal with stop sign 5. Flashing signal without stop sign 6. RR gate and flasher 7. RR Flasher 8. RR crossbucks only 9. Human control 10. Other (write in narrative) 11. No control present

**Figure 61. Image. Page 3 of North Carolina Crash Report for example 2.**



As shown in figure 62, click on the *Pedestrian* button to open a pedestrian crash data entry form. Then click on the *Crash Typing* button to begin the crash typing process.

**Reminder:** The screens that appear in this example are for standard crash typing, which means the group typing option was NOT enabled on the *User* tab in *Preferences*.

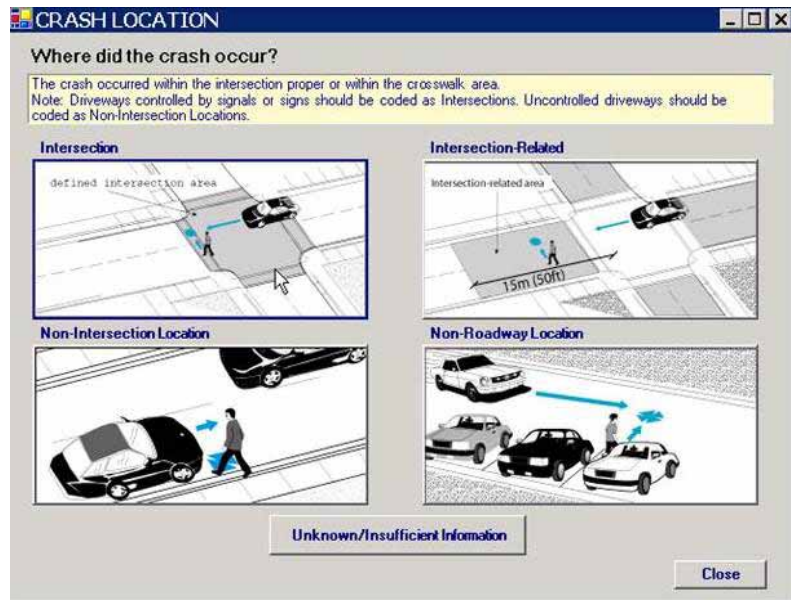
*Screen 1—Crash Location*

In the time and location section of the crash report (page 1), the location of the crash is given as “Aversboro Rd” 0 feet from “Forest Dr.” The crash report drawing shows the collision occurred within an intersection. A review of the descriptions for the location options on the screen leads to the correct choice of *Intersection*, as shown in figure 63. Click this graphic to advance to the next screen.

**Special Note:** Pay attention to the notes in the descriptions to correctly assign the location.



**Figure 62. Images. Pedestrian crash data entry forms.**



**Figure 63. Image. Indicate where the crash occurred.**

Screen 2—Pedestrian Position—Intersection or Intersection-Related

The next screen asks for the initial position of the bicyclist. The crash report drawing shows the pedestrian in the crosswalk when struck. Thus, the correct answer on this screen is “Within a crosswalk, marked or unmarked.” Click the radio button next to this text, as shown in figure 64.

**Special Note: The choices shown on this screen are a function of the location selected on the previous screen.**

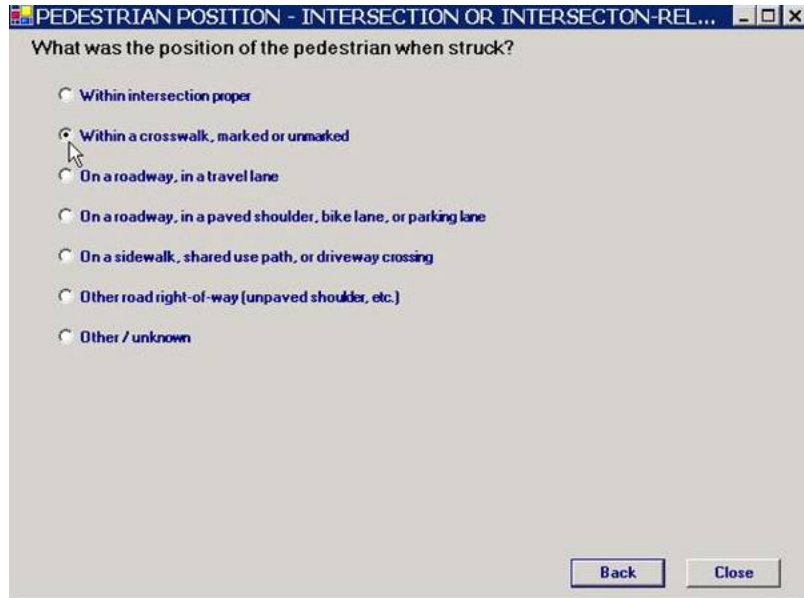


Figure 64. Image. Indicate position of pedestrian when struck.

Screen 3—Motorist Initial Direction of Travel

With the *Pedestrian Location* option enabled, the next four screens ask for specific information about the travel directions and maneuvers of the motorist and pedestrian. The first directive requires the initial travel direction of the motorist. From the crash report drawing, it can be determined that the motorist was traveling “Westbound.” Click this button, as shown in figure 65.

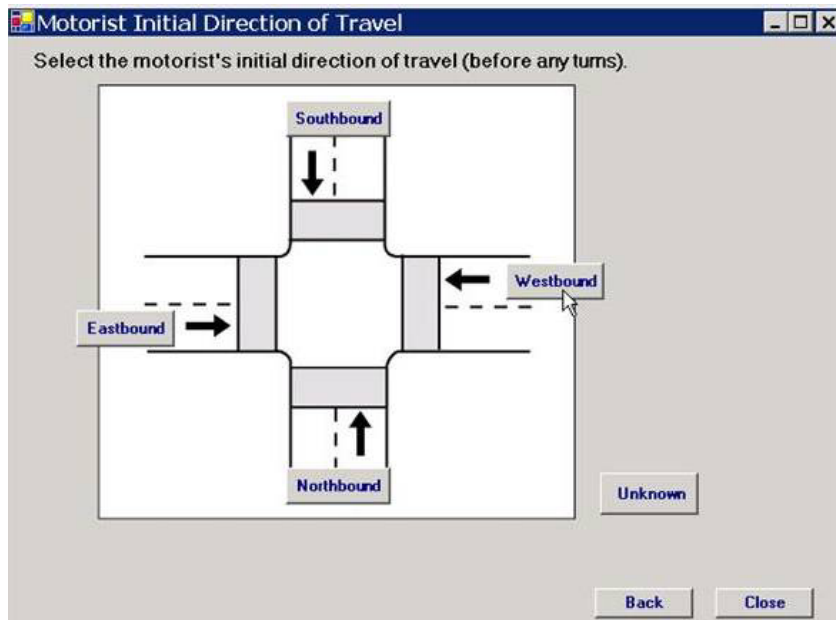


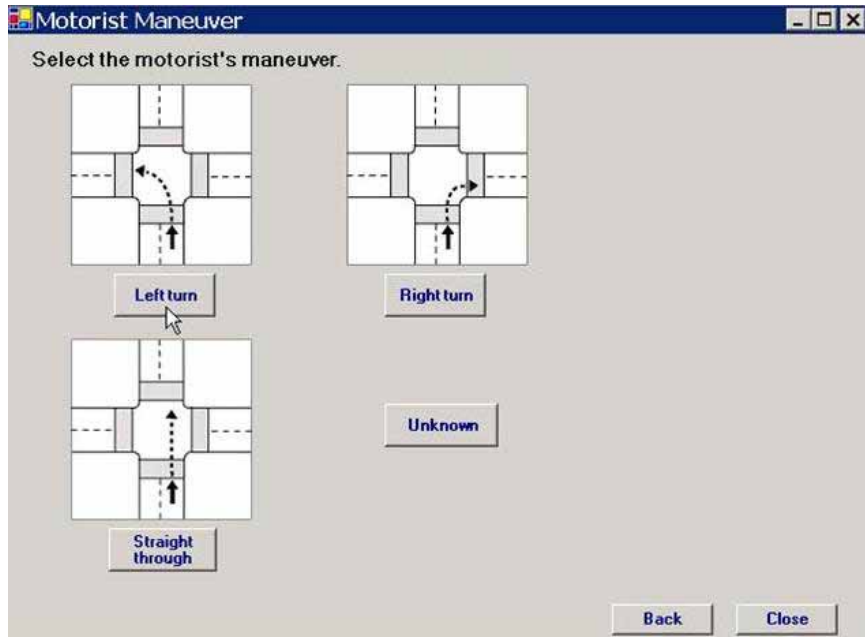
Figure 65. Image. Indicate initial direction of travel of the motorist.

*Screen 4—Motorist Maneuver*

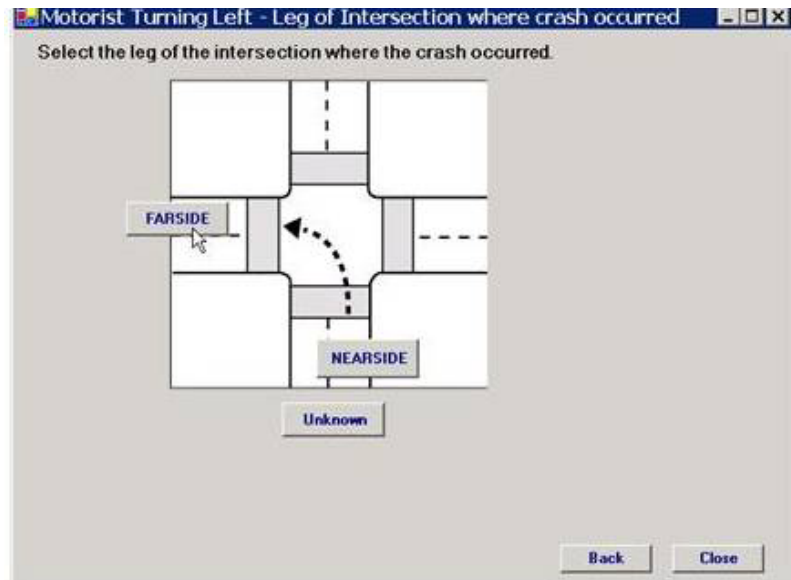
On this screen, select the maneuver being made by the motorist at the time of the collision. The crash report drawing indicates that the motorist was making a left turn. Thus, the correct choice is “Left turn,” as shown in figure 66. Click this button to advance to the next screen.

*Screen 5—Motorist Turning Left—Leg of Intersection Where Crash Occurred*

The next directive requires the user to select the correct leg of the intersection where the crash occurred. The choices, regardless of the motorist maneuver, will always be “Nearside” and “Farside.” From the crash report drawing, it is evident that the correct choice in this example is “Farside,” as shown in figure 67.” Click this button to advance to the next screen.



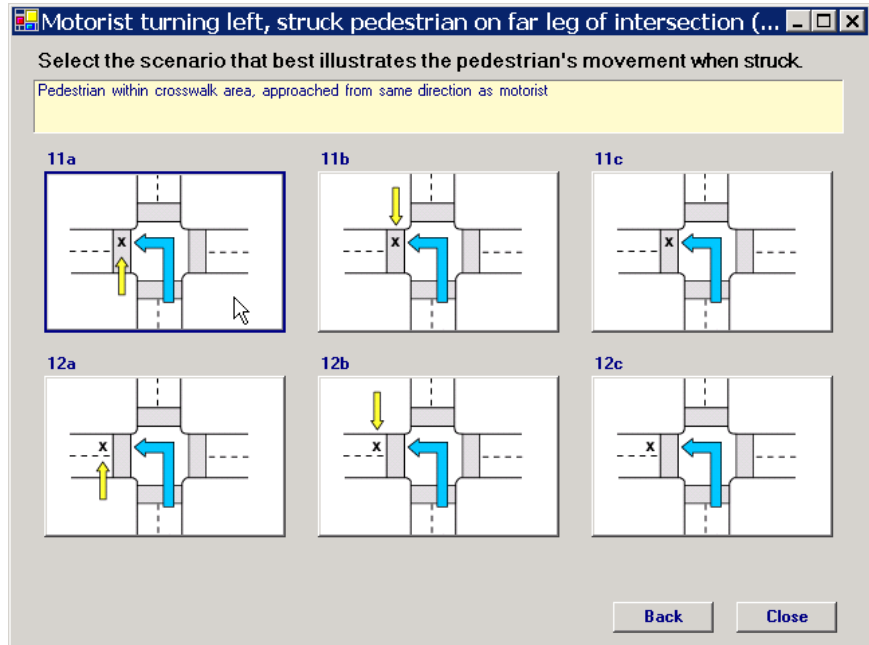
**Figure 66. Image. Indicate the motorist maneuver.**



**Figure 67. Image. Indicate where the crash occurred at the intersection.**

### Screen 6—Motorist Turning Left, Struck Pedestrian on Far Leg of Intersection

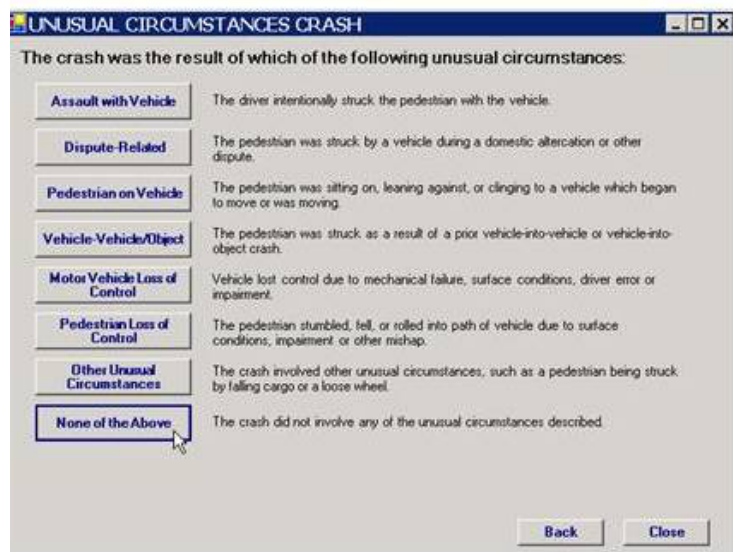
The final screen with the *Pedestrian Location* option enabled requires the user to select the scenario that best describes the direction of travel of the pedestrian and indicates whether the pedestrian was in or out of the crosswalk. A review of the crash report drawing indicates the best choice is the first graphic (denoted as 11a in figure 68). The pedestrian was traveling in the same direction as the motorist and was in the crosswalk. Click this button to advance to the next screen.



**Figure 68. Image. Select the scenario that illustrates the pedestrian’s movement when struck.**

### Screen 7—Unusual Circumstances Crash

The next screen asks if the crash was one of several unusual circumstances. After reading the descriptions associated with the seven specific crash types on the screen, it is apparent that the correct answer is “None of the Above,” as shown in figure 69. Click this button to advance to the next screen.



**Figure 69. Image. Indicate no unusual circumstances.**

**Special Note:** This screen and the next two screens ask questions about very unusual circumstances or very specific actions or vehicle types. In most cases, the answers to these questions will be “None of the Above.” However, the user should be familiar with each of these unique types of collisions in the event that such a crash does fit the circumstances described.

*Screen 8—Unusual Vehicle Type/Vehicle Action Crash*

The next screen asks whether the crash involved a unique vehicle action (e.g., backing vehicle) or a specific type of vehicle (e.g., disabled vehicle). After reviewing the descriptions, the correct choice is “None of the Above,” as shown in figure 70. Click this button to advance to the next screen.

*Screen 9—Unusual Pedestrian Action Crash*

The next screen asks whether the pedestrian was performing one of six unique actions. These actions are very specific and either related to specific type of vehicle (e.g., buses) or a specific maneuver (e.g., crossing to/from a mailbox). In this example, the crossing was a normal street crossing that did not fall into any of these unique categories. Thus, the correct choice is “None of the Above,” As shown in figure 71. Click this button to advance to the next screen.



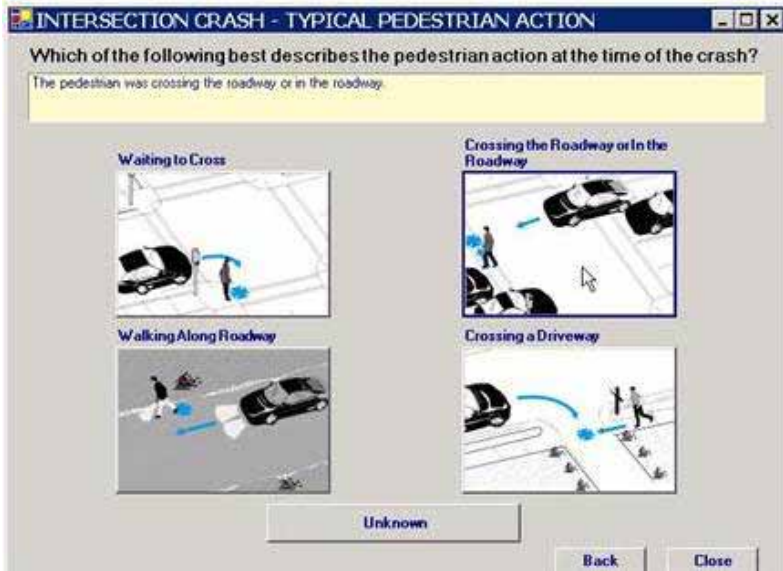
**Figure 70. Image. Indicate no unusual vehicle types or vehicle actions.**



**Figure 71. Image. Indicate no unusual pedestrian action.**

*Screen 10—Intersection Crash—Typical Pedestrian Action*

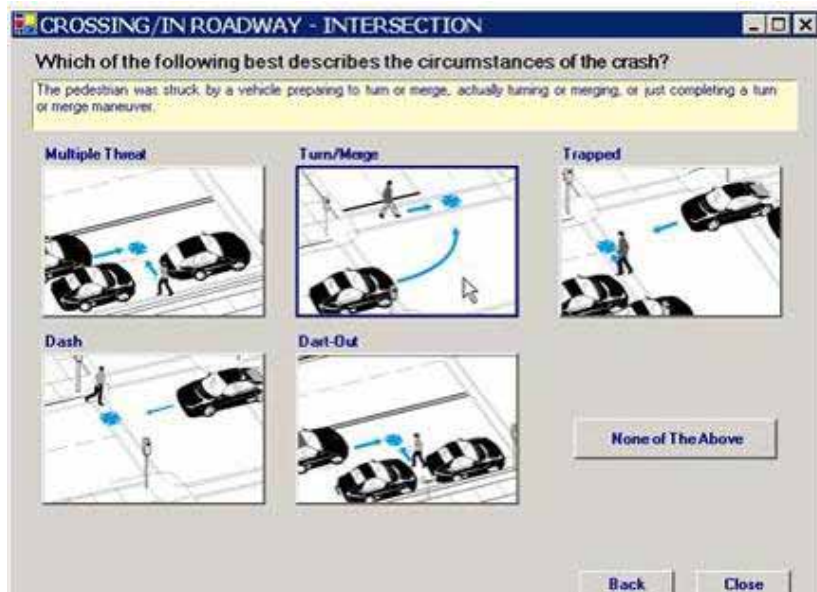
The next screen asks about the pedestrian action at the time of the crash. The majority of pedestrian crashes will fall into one of these four actions. The narrative of the crash report includes a statement from the pedestrian that “...there was an opening in traffic and [she] started to cross the road.” Thus, the correct choice is “Crossing the Roadway or In the Roadway,” as shown in figure 72. Click this graphic to advance to the next screen.



**Figure 72. Image. Describe the typical pedestrian action in the crash.**

*Screen 11—Crossing/In the Roadway—Intersection*

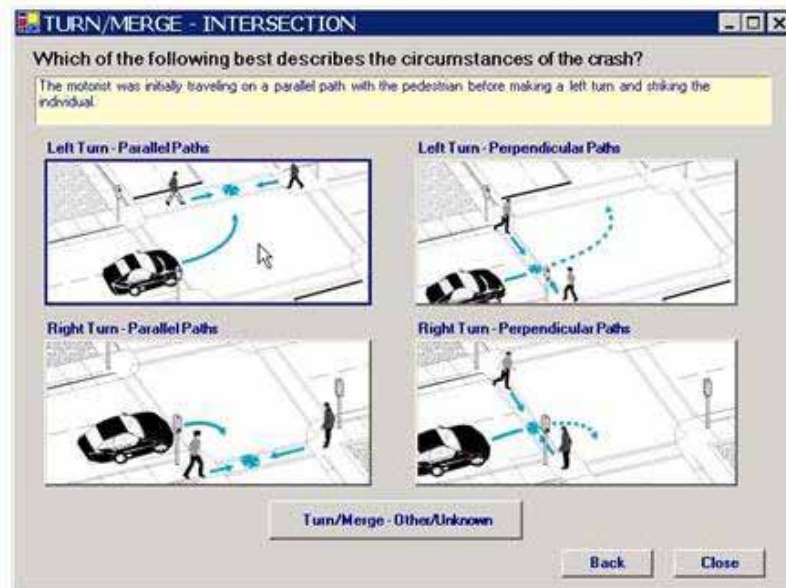
The next screen describes five specific scenarios involving a crossing pedestrian. Read each one carefully. From the crash report drawing and narrative, it is clear that the motorist was turning at the time of the collision. Thus, the correct choice is “Turn/Merge,” as shown in figure 73. Click on this graphic to advance to the next screen.



**Figure 73. Image. Describe the circumstances of the crash.**

### Screen 12—Turn/Merge—Intersection

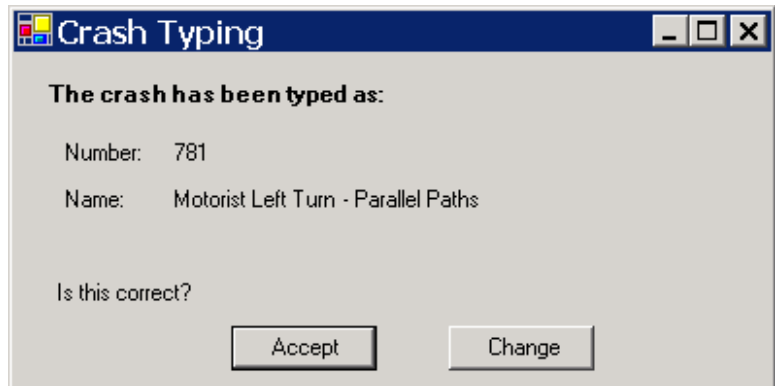
The next screen asks for more detail about the paths of the parties involved in the turn-merge crash. The narrative describes, and the crash report drawing shows, that the parties were on parallel paths prior to the collision. The drawing also shows that the motorist turned left and struck the crossing pedestrian. The correct choice is “Left Turn—Parallel Paths,” as shown in figure 74. Click this graphic to advance to the next screen.



**Figure 74. Image. Describe the circumstances of the crash in more detail.**

### Screen 13—Crash Typing

The final screen that will appear when all required questions and directives have been answered is the crash typing window, which will include the name and number of the crash type. (See figure 75.) In this example, the crash type is “Motorist Left Turn—Parallel Paths.” Clicking *Change* will return the user to the previous screen and allow the answer to be changed on this screen (or other screens by clicking on the *Back* button). Clicking *Accept* will complete the fields on the data entry form and save the crash typing information in the database.



**Figure 75. Image. Enter crash typing data into data entry form.**

### Completed Crash Typing Fields

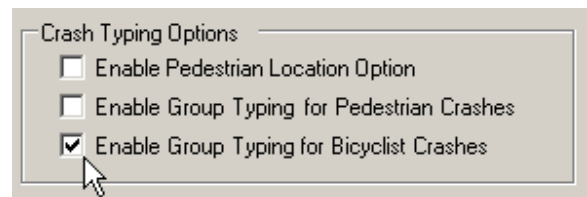
The values for the crash typing fields in this example that will appear in the database and on the form (for those fields chosen to be included on the form) are shown in table 2.

**Table 2. Values for Crash Typing Fields for Example 2**

Field Name	Alias	Value for this Example
<i>Crash_Location</i>	Crash Location	1
<i>Crash_Location_Desc</i>	Crash Location Description	Intersection
<i>Crash_Type_Basic</i>	Crash Type Number	781
<i>Crash_Type_Description</i>	Crash Type Description	Motorist Left Turn—Parallel Paths
<i>Crash_Type_Expanded</i>	Crash Type Expanded	12781
<i>Crash_Group_Basic</i>	Crash Group Number	790
<i>Crash_Group_Description</i>	Crash Group Description	Crossing Roadway—Vehicle Turning
<i>Crash_Group_Expanded</i>	Crash Group Expanded	12790
<u>Location Option Fields</u>		
<i>Leg_Intersection</i>	Leg Intersection	Far
<i>Motorist_Direction</i>	Motorist Direction	West
<i>Motorist_Maneuver</i>	Motorist Maneuver	Left Turn
<i>Pedestrian_Direction</i>	Pedestrian Direction	West
<i>Pedestrian_Position</i>	Pedestrian Position	2
<i>Pedestrian_Position_Desc</i>	Pedestrian Position Description	Crosswalk area
<i>Scenario</i>	Scenario	11a

### Example 3—Bicyclist Crash (Group Typing)

This example makes use of the Florida bicyclist crash report used in example 1, but employs the group typing option. This option is set on the *Data Sources* tab in *Preferences*. As shown in figure 76, click on the box next to the text “Enable Group Typing for Bicyclist Crashes” to turn on this option. *Save* this change and *Exit* the *Preferences* window.



**Figure 76. Image. Enable group typing for bicyclist crashes.**



With the correct options set in *Preferences*, open a bicyclist crash data entry form with a click on the *Bicyclist* button. Click on the *Crash Typing* button to begin the crash typing process. (See figure 77.) These steps are the same regardless of the crash typing options selected.

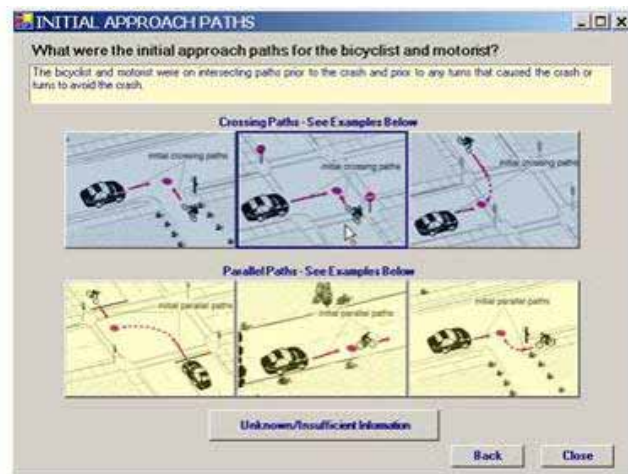
The first three screens that appear with group typing enabled are the same as the ones that appear with standard group typing. From reviewing the crash report and the example 1 responses, the correct choices are as follows:

- Screen 1—*Crash Location*: Intersection
- Screen 2—*Bicyclist Position*: On a Sidewalk, Crosswalk, or Driveway Crossing
- Screen 3—*Bicyclist Direction*: Facing Traffic
- Screen 4—Initial Approach Paths

The next screen that appears asks about the approach paths of the two parties involved in the collision. This is the same question that is asked within the standard typing option and is still a major decision point in the crash typing logic. The choices are “crossing paths” and “parallel paths” and are defined as the paths of the two parties prior to the crash and prior to any turns that caused the crash. In this example, the crash report drawing clearly shows the bicyclist and motorist on intersecting paths. As shown in figure 78, click on any of the crossing path graphics (in blue) to advance to the next screen.



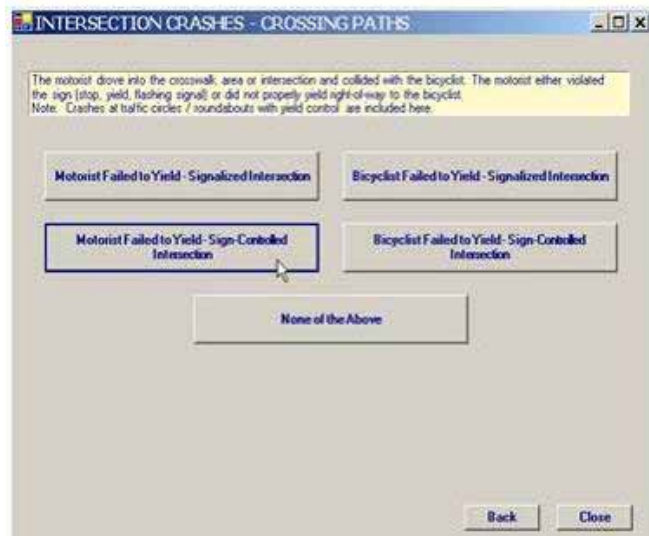
**Figure 77. Image. Open a bicyclist crash data entry form then begin the crash typing process.**



**Figure 78. Image. Indicate initial approach paths for bicyclist and motorist.**

### Screen 5—Intersection Crashes—Crossing Paths

The next screen presents five options to describe the circumstances of the crash. After reading the options and reviewing the crash report narrative and drawing, the correct choice is determined to be “Motorist Failed to Yield—Sign-Controlled Intersection,” as shown in figure 79. Click on this button to advance to the next screen.



**Figure 79. Image. Describe the circumstances of the crash in this case.**

### Screen 6—Crash Typing

The final screen that will appear when all required questions and directives have been answered is the crash typing window. With group typing enabled, the answer will include the name and number of the crash group. In this example, the crash group is “Motorist Failed to Yield—Sign-Controlled Intersection.” (See figure 80.) Clicking *Change* will return the user to the previous screen and allow the answer to be changed on this screen (or other screens by clicking on the *Back* button). Clicking *Accept* will complete the fields on the data entry form and save the crash typing information in the database.



**Figure 80. Image. Enter crash typing data into form.**

*Completed Crash Typing Fields*

The values for the crash typing fields in this example that will appear in the database and on the form (for those fields chosen to be included on the form) are in table 3.

**Table 3. Values for Crash Typing Fields for Example 3**

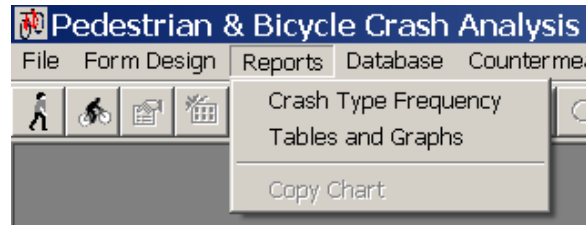
<b>Field Name</b>	<b>Alias</b>	<b>Value for this Example</b>
<i>Crash_Location</i>	Crash Location	1
<i>Crash_Location_Desc</i>	Crash Location Description	Intersection
<i>Crash_Type_Basic</i>	Crash Type Number	<i>These fields will not be filled when the group typing option is enabled.</i>
<i>Crash_Type_Description</i>	Crash Type Description	
<i>Crash_Type_Expanded</i>	Crash Type Expanded	
<i>Crash_Group_Basic</i>	Crash Group Number	140
<i>Crash_Group_Description</i>	Crash Group Description	Motorist Failed to Yield— Sign-Controlled Intersection
<i>Crash_Group_Expanded</i>	Crash Group Expanded	132140
<i>Bicyclist_Direction</i>	Bicyclist Direction	2
<i>Bicyclist_Direction_Desc</i>	Bicyclist Direction Position	Facing Traffic
<i>Bicyclist_Position</i>	Bicyclist Position	3
<i>Bicyclist_Position_Desc</i>	Bicyclist Position Description	Sidewalk/Crosswalk/Driveway Crossing

**Special Note: Group typing will result in fewer screens and questions or directives that must be answered. In this example, three fewer screens appeared with group typing enabled. The small time savings that result with group typing may not outweigh the advantages of having additional details about crashes that standard crash typing provides. The user needs to be familiar with both options and assess the advantages of each.**



## CHAPTER 7. ANALYSIS REPORTS

PBCAT provides limited analysis functions within the software for production of simple data summaries. Analysis options are available through the *Reports* menu. (See figure 81.) Additionally, any reports created may be exported to Excel with the click of a button for additional analyses or the creation of graphics. For more sophisticated analyses, the entire database can be exported to another software application. (See chapter 8.)

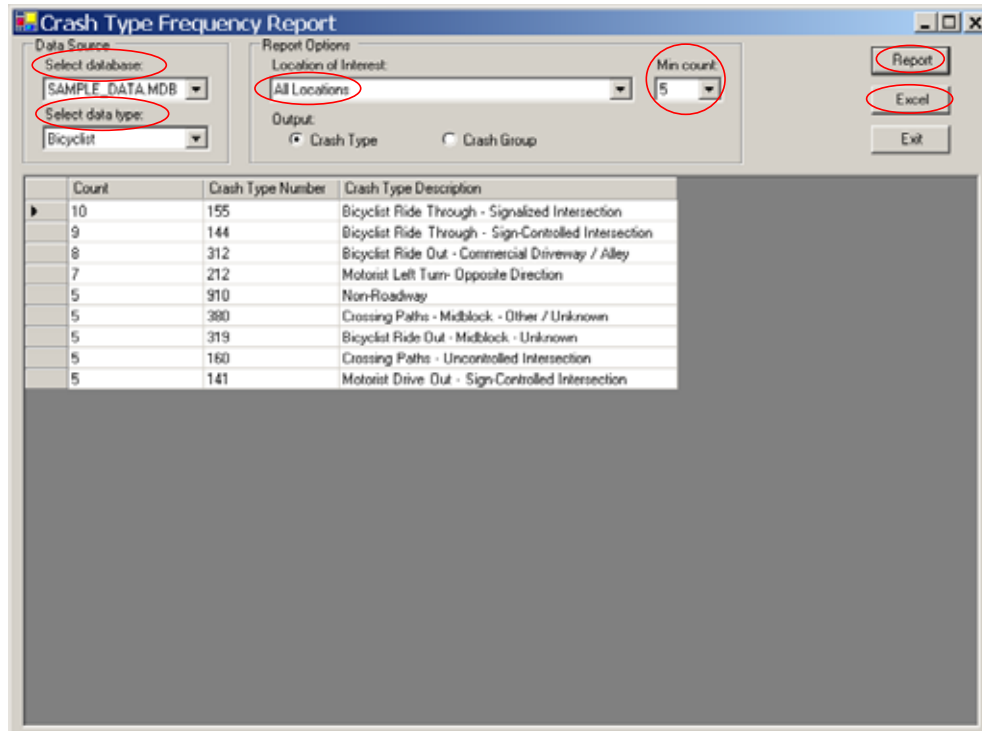


**Figure 81. Image. Select analysis options.**

### CRASH TYPE FREQUENCY

Crash type frequency reports may be created by selecting this option in the *Reports* menu. The report produced from this analysis includes a count of crashes by either crash type or crash group. The steps to create this type of report are as follows:

(1) Select the *Data Source*. This step includes selecting the database from the list of available databases in the dropdown list and choosing the data type (either pedestrian or bicyclist). The database shown when the reports window appears will be the default database that was set in *Preferences*.



**Figure 82. Image. Produce a list of crash types or crash groups in order of frequency.**

(2) Set the *Report Options*. The user has several options for the report being produced. First, choose the *Location of Interest*. Reports may be produced for all locations, intersections and intersection-related locations, nonintersection locations, or nonroadway locations. Next, set the *Min count* value, which will be the threshold that must be met in order for a crash type or crash group to be included in the table. As shown in figure 82, a minimum of five crashes were required for any given crash type. Finally, specify whether the results should be produced for individual crash types or for crash groups.

(3) After specifying the report parameters, click *Report* to produce the table.

(4) If desired, click the *Excel* button to export the results to an Excel workbook.

## TABLES AND GRAPHS

To create single-variable tables or cross-tabulations of two variables, select the *Tables and Graphs* option from the *Reports* menu. The steps for creating customized tables or charts are shown in figure 83. All but the last step are done on the *Data Selection* tab. The last step is done on the *Crash Type* tab.

(1) Select the *Data Source*. This step includes selecting the database from the list of available databases in the dropdown list and choosing the data type (either pedestrian or bicyclist). The database shown when the reports window appears will be the default database that was set in *Preferences*.

**Pedestrian Crash Analysis - Pedestrian Age Group**

Pedestrian Age Group	Count
<= 4	9
5 - 9	26
10 - 14	13
15 - 19	13
20 - 24	9
25 - 34	16
35 - 49	32
50 - 59	11
60 - 69	5
>= 70	5
Unknown	22
Total	161

**Figure 83. Image. Produce single-variable and multivariate tables.**

- (2) Make the *Variable Selection*. For a single-variable (one-way) table, choose a row variable only. For two-way tables, choose a row variable and a column variable. The variables available will be those present on the form selected in step 1.
- (3) Specify a date range (month/year in the dropdown list) if desired.
- (4) Choose other *Presentation Options*, such as row and column totals, captions, and percentages (either row or column).
- (5) Click on the *Crash Type* tab if the report should only be produced for a specific set of crash types or crash groups. **Note: the default setting will include all crashes in the database, irrespective of the crash type or crash group. However, there may be times when a user wants to look specifically at a characteristic (such as age) for a certain type of crash.**
- (6) After specifying the report parameters, click *Report* to produce the table. For one-way tables, a graphical presentation of the report can be produced by clicking *Bar Chart*. To return to the table, click *Report* a second time.
- (7) If desired, click the *Excel* button to export the results to an Excel workbook.

## EXAMPLES

Following are two examples that illustrate report production. One of the databases installed with the PBCAT application is named SAMPLE\_DATA.MDB. The user is encouraged to use this database and experiment with creating reports.

### Example 1—Bicyclist Crashes—Light Conditions

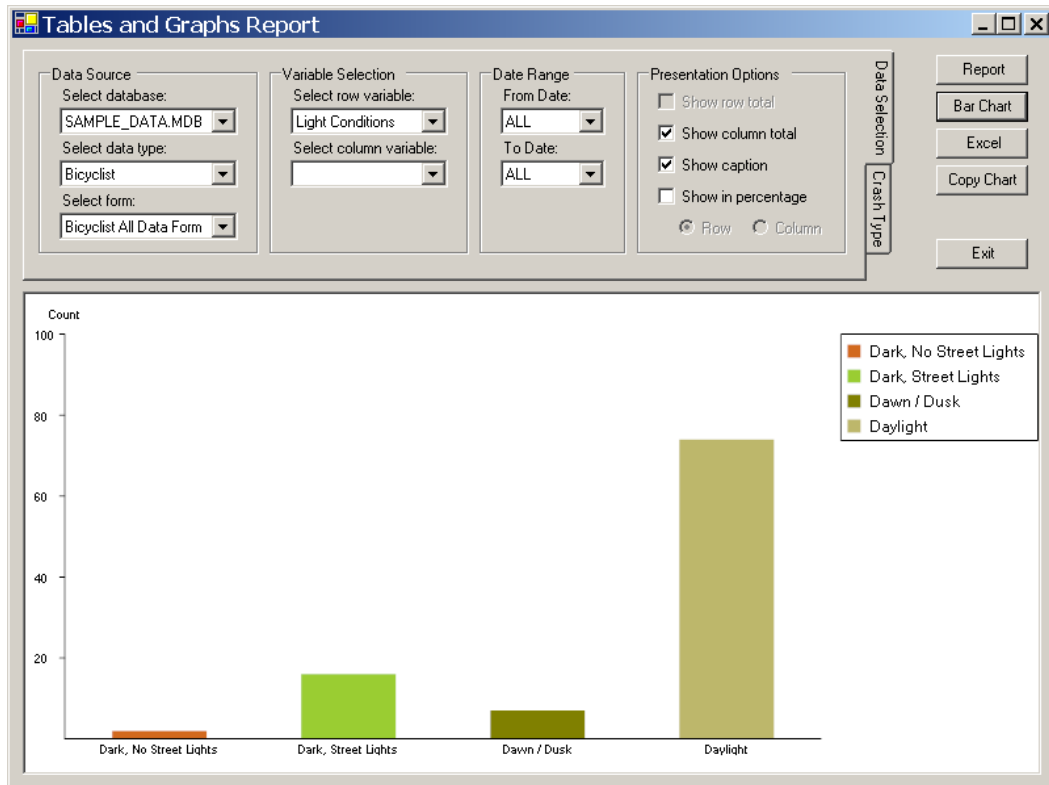
Step 1: Set *Data Source* parameters. Using each dropdown list, set database to “SAMPLE\_DATA.MDB,” data type to “Bicyclist,” and form to “Bicyclist All Data Form.”

Step 2: Make the *Variable Selection*. Choose “Light Conditions” from the dropdown list as the row variable. Leave the column variable blank.

Step 3: Specify *Date Range*. Be sure the date entries are set to “All.”

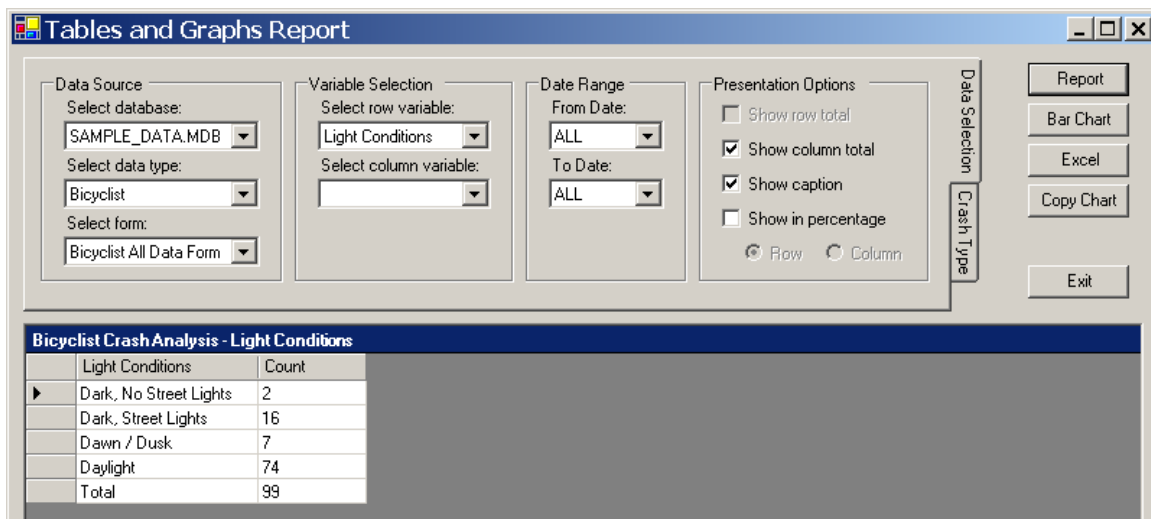
Step 4: Choose the *Presentation Options*. Check “Show column total” and “Show caption.”

Step 5: Produce the report Click the *Report* button. The table shown in figure 84 will appear with the caption showing the type of analysis and variable chosen. The number of crashes in each light condition category is presented in the second column, along with the total.



**Figure 84. Image. Produce a single-variable table.**

Step 6: Produce a graph. Click the *Bar Chart* button to present the results in a graph. (See figure 85.)



**Figure 85. Image. Produce a graph of a single-variable table.**



Step 7: Export results. Click *Excel* to export the results to a Microsoft Excel workbook. (See figure 86.)

### Example 2—Pedestrian Crashes—Crash Types and Pedestrian Age

Step 1: Set *Data Source* parameters. Using each dropdown list, set database to “SAMPLE\_DATA.MDB,” data type to “Pedestrian,” and form to “Pedestrian All Data Form.”

Step 2: Make the *Variable Selection*. Choose “Crash Type Description” from the dropdown list as the row variable. Choose “Pedestrian Age Group” as the column variable.

Figure 86. Image. Export results to Excel.

Step 3: Specify *Date Range*. Be sure the date entries are set to “All.”

Step 4: Choose the *Presentation Options*. Check “Show row total,” “Show column total,” and “Show caption.”

Step 5: Produce report. Click the *Report* button. The table shown in figure 87 will appear with the caption showing the type of analysis and variables chosen. The number of crashes for each crash type is shown as distributed across the age groups. Totals are shown for both rows (each crash type) and columns (each age group).

	A	B
1	Light Conditions	Count
2	Dark, No Street Lights	2
3	Dark, Street Lights	16
4	Dawn / Dusk	7
5	Daylight	74
6	Total	99
7		

**Tables and Graphs Report**

Data Source: Select database: SAMPLE\_DATA.MDB; Select data type: Pedestrian; Select form: Pedestrian All Data Form

Variable Selection: Select row variable: Crash Type Descript; Select column variable: Pedestrian Age Gro

Date Range: From Date: ALL; To Date: ALL

Presentation Options:  Show row total;  Show column total;  Show caption;  Show in percentage

Buttons: Report, Bar Chart, Excel, Copy Chart, Exit

---

**Pedestrian Crash Analysis - Crash Type Description by Pedestrian Age Group**

Crash Type Description	<= 4	5-9	10-14	15-19	20-24	25-34	35-49	50-59	60-69	>= 70	Unknown	Row Total
Backing Vehicle - Parking Lot	0	0	0	1	0	0	1	1	0	0	0	3
Backing Vehicle - Roadway	0	0	0	0	0	0	0	0	0	1	1	2
Commercial Bus-Related	0	0	0	1	0	0	0	0	0	0	0	1
Dart-Out	6	9	0	2	2	3	2	1	0	0	3	28
Death	2	11	9	2	3	3	5	1	2	2	8	48
Disabled Vehicle-Related	0	0	0	0	0	0	1	0	0	0	1	2
Driverless Vehicle	0	0	0	0	0	0	0	0	0	1	0	1
Entering / Exiting Parked Vehicle	0	0	0	1	0	1	4	1	0	0	0	7
Ice Cream / Vendor Truck-Related	0	2	2	0	0	0	0	0	0	0	0	4
Intersection - Other / Unknown	0	0	0	1	0	0	2	1	1	0	1	6
Mokosist Failed to Yield	0	0	0	1	1	3	4	0	1	0	1	11
Multiple Threat	0	0	0	1	0	0	1	1	0	0	0	3
Non-Intersection - Other / Unknown	0	1	0	1	1	1	1	1	0	0	1	7
Off Roadway - Other / Unknown	0	0	0	0	0	1	4	2	0	0	0	7
Off Roadway - Parking Lot	1	1	0	0	1	0	1	0	0	0	2	6
Other Unusual Circumstances	0	1	0	0	0	1	0	0	0	0	0	2
Pedestrian on Vehicle	0	0	0	1	0	0	0	0	0	0	0	1
School Bus-Related	0	0	1	0	0	0	1	0	0	0	0	2
Standing in Roadway	0	0	0	0	0	0	1	0	0	0	1	2
Vehicle/Vehicle / Object	0	0	1	0	1	1	2	0	1	1	0	7
Walking in Roadway	0	1	0	1	0	1	1	1	0	0	2	7
Working in Roadway	0	0	0	0	0	1	1	1	0	0	1	4
Total	9	26	13	13	9	16	32	11	5	5	22	161

Figure 87. Image. Produce a multivariate table.

Step 6: Change *Presentation Options*. Check the “Show in percentage” box and click on the “Column” radio button.

Step 7: Produce new report. Click the *Report* button to produce the report shown in figure 88. The table will appear as before with the caption showing the type of analysis and variables chosen. However, the cells will be filled with column percentages as opposed to frequencies.

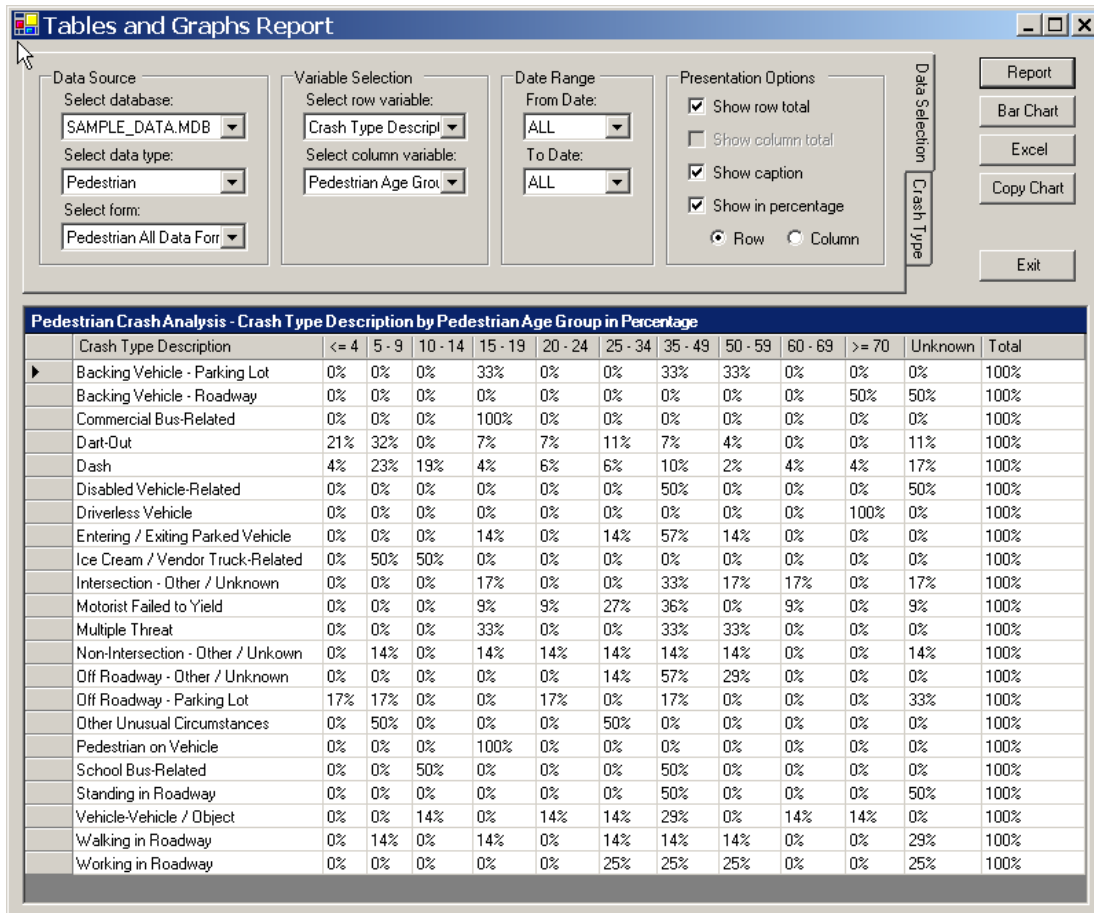


Figure 88. Image. Present results as percentages.

## CHAPTER 8. DATABASE OPTIONS

PBCAT allows the user to export a database for use in other applications or import a database that was created in Version 1.0 of the software. These options are accessed from the *Database* menu. (See figure 89.)

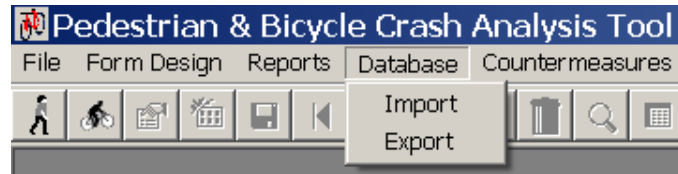


Figure 89. Image. Import and export data.

### IMPORT A DATABASE

The import function is designed to import a database that was created in Version 1.0 of the PBCAT software. Selecting *Import* from the *Database* menu produces the window shown in figure 90. The steps for importing are as follows:

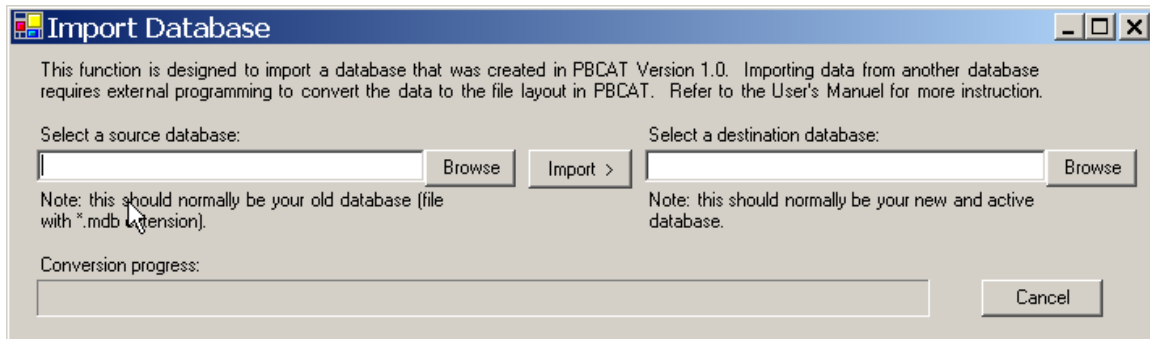


Figure 90. Image. Import a PBCAT Version 1.0 database.

Step 1: Select the *source database*. Click the *Browse* button to open a window to search for and select the Version 1.0 database. (See figure 91.) Click *Open*, and the path and file name will be entered on the *Import Database* window.

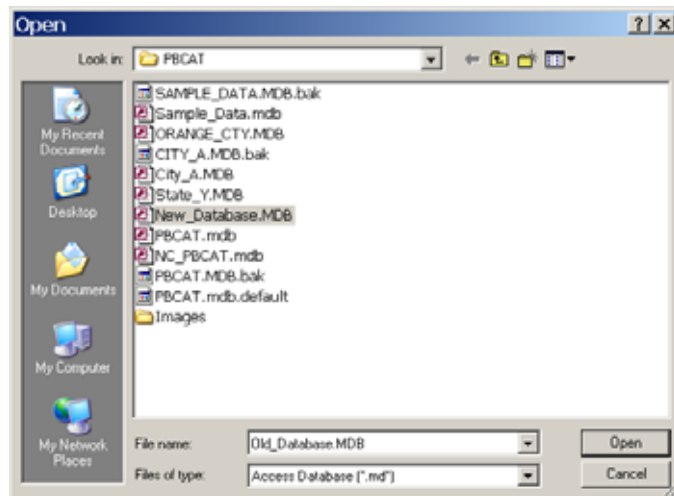


Figure 91. Image. Select the database to be imported.

Step 2: Select the *destination database*. Click the *Browse* button to open a window and enter a name for the converted file within the desired folder. Click *Save*, and the path and file name will be entered on the *Import Database* window.

Step 3: Import the database. Click *Import* to begin the conversion process. A status bar at the bottom of the window shows the progress of the conversion. When done, a message will appear to indicate that the process was completed successfully.

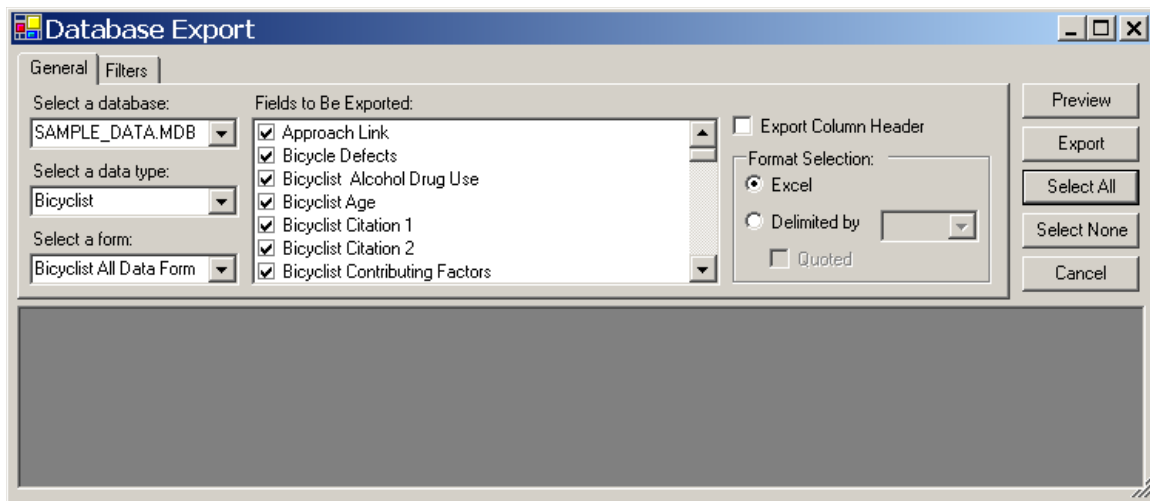
Step 4: Add the database. Once the database has been converted, it must be added to the list of *Available Databases* within *Preferences* before it can be accessed within the application. Refer to the instructions in chapter 4 for more details.

**Special Note: Data from other types of crash databases may also be imported into PBCAT. However, such an operation requires a basic understanding of database concepts and structures. The file layout for the PBCAT.MDB database is provided in appendix D for those users who are interested in this type of import operation.**

## EXPORT A DATABASE

The export feature is designed to assist users in a two ways. First, it allows those users requiring more extensive analysis and reporting options to export the data into Excel or a statistical analysis program. Second, it allows the export of specific variables that can be appended to a larger database. An example of the latter may be the export of the crash report number and the crash type variables, which may then be merged with a State or municipal crash database that already contains all other relevant variables.

Selecting *Export* from the *Database* menu produces a *Database Export* window, as shown in figure 92, which allows the user to customize the information to be exported. The steps for exporting are as follows:



**Figure 92. Image. Select database and fields to be exported and choose format.**

Step 1: Select the *database* and *data type*. Choose the database and data type to be exported. The data type will either be pedestrian or bicyclist.

Step 2: Select the *form*. Choose the form from the list of available forms in the dropdown list. The fields used in the selected form will be used to populate the list of fields available for export.

Step 3: Select the *fields to be exported*. Place a check next to all fields that are to be exported. All fields are initially selected. Fields can be deselected by clicking on the box and removing the check. The user can also *Select All* and *Select None* using the buttons on the right side of the window.

Step 4: Choose header option. Check the box next to *Export Column Header* if the database should be exported with column headers, which are the database field names.

Step 5: Select the file format. The user defines the type of file to be created upon export by selecting either Excel or a delimited text file with fields separated by either a comma, semicolon, ~, or TAB). The user can also select the *Quoted* option, which will result in quotes being placed around each variable. This option may be required if there are fields being exported in a delimited format that contain the chosen separator.

Step 6: Preview the file. Prior to exporting the file, the user may view the database to be created by clicking on *Preview*.

Step 7: Export the file. Click on *Export* to complete the export process. If Excel is chosen as the file format, the data will be exported into an Excel workbook, which can then be saved. If a delimited format is chosen, a window will open requesting the file name to be entered and saved.



## CHAPTER 9. COUNTERMEASURES

PBCAT is designed to assist agencies with selecting countermeasures to improve pedestrian and bicyclist safety. The application includes links to two FHWA Web sites that feature a substantial number of countermeasures that may be used to mitigate specific crash types. These Web sites are PEDSAFE—Pedestrian Safety Guide and Countermeasure Selection System<sup>9</sup> ([www.walkinginfo.org/pedsafe](http://www.walkinginfo.org/pedsafe)) and BIKESAFE—Bicycle Countermeasure Selection System<sup>10</sup> ([www.bicyclinginfo.org/bikesafe](http://www.bicyclinginfo.org/bikesafe)). (See figure 93.)

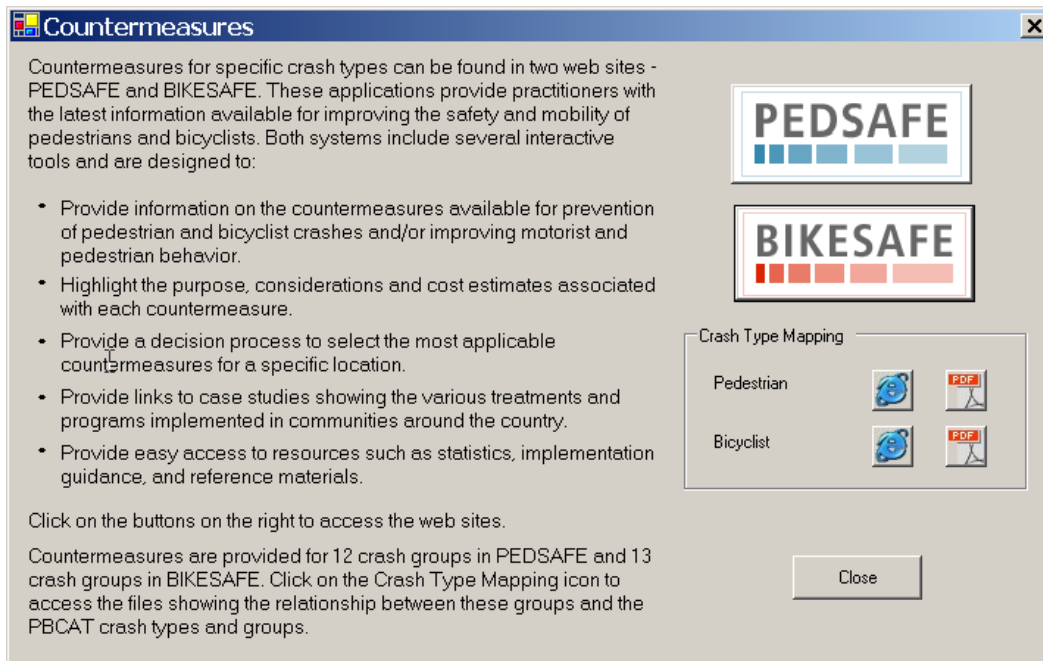


Figure 93. Image. Access the PEDSAFE and BIKESAFE Web sites.

These Web sites provide practitioners with the latest information available for improving the safety and mobility of pedestrians and bicyclists. Both sites include interactive tools and are designed to:

- Provide information on countermeasures available for prevention of pedestrian and bicyclist crashes and improving motorist and pedestrian behavior.
- Highlight the purpose, considerations, and cost estimates associated with each countermeasure.
- Provide a decision process to select the most applicable countermeasures for a specific location.
- Provide links to case studies showing various treatments and programs implemented in communities around the country.
- Provide easy access to resources such as statistics, implementation guidance, and reference materials.

A click on either button on the *Countermeasures* window (See figure 94.) will launch the default browser and access the home page for the selected site. Countermeasures are provided for 12 crash groups in PEDSAFE and 13 crash groups in BIKESAFE. Click on the *Crash Type Mapping* buttons (in either HTML or PDF) to view tables showing the relationship between PEDSAFE and BIKESAFE groups and the PBCAT crash types and groups. These tables are also included in appendix H.



**Figure 94. Image. Access the PEDSAFE and BIKESAFE Web sites.**



## PEDESTRIAN COUNTERMEASURE MATRIX

Within the PEDSAFE application, the countermeasures related to the 12 crash groups are presented in an interactive matrix. (See figure 95.) The 49 countermeasures included on the site are organized into seven categories of treatments as follows:

- Pedestrian Facility Design.
- Roadway Design.
- Intersection Design.
- Traffic Calming.
- Traffic Management.
- Signals and Signs.
- Other Measures.

Crash Group	Countermeasures						
	Pedestrian Facility Design	Roadway Design	Intersection Design	Traffic Calming	Traffic Management	Signals and Signs	Other Measures
1. Dart/Dash	•	•		•	•	•	•
2. Multiple Threat/Trapped	•	•	•	•		•	•
3. Unique Midblock	•	•		•		•	•
4. Through Vehicle at Unsignalized Location	•	•	•	•	•	•	•
5. Bus-Related	•	•		•		•	•
6. Turning Vehicle	•	•	•	•	•	•	•
7. Through Vehicle at Signalized Location	•	•	•	•	•	•	•
8. Walking Along Roadway	•	•				•	•
9. Working or Playing in Roadway	•	•		•	•	•	•
10. Non-Roadway	•	•		•		•	•
11. Backing Vehicle	•	•		•			•
12. Crossing an Expressway	•					•	•

Figure 95. Image. View countermeasures for 12 pedestrian crash groups.

## **BICYCLIST COUNTERMEASURE MATRIX**

Within the BIKESAFE application, the countermeasures related to the 13 crash groups are presented in an interactive matrix. (See figure 96.) The 50 countermeasures included on the site are organized into nine categories of treatments as follows:

- Shared Roadway.
- On-Road Bike Facilities.
- Intersection Treatments.
- Maintenance.
- Traffic Calming.
- Trails/Mixed-Use Paths.
- Markings, Signs, Signals.
- Education and Enforcement.
- Support Facilities and Programs.

Crash Group	Countermeasure Group							
	Shared Roadway	On-Road Bike Facilities	Intersection Treatments	Maintenance	Traffic Calming	Trails/Mixed Use Paths	Markings, Signs, Signals	Education and Enforcement Support Facilities and Programs
1. Motorist failed to yield – signalized intersection (initial perpendicular paths).	•		•		•	•	•	•
2. Motorist failed to yield – non-signalized intersection (initial perpendicular paths).	•		•		•	•	•	•
3. Bicyclist failed to yield – signalized intersection (initial perpendicular paths).	•		•		•	•	•	•
4. Bicyclist failed to yield – non-signalized intersection (initial perpendicular paths).			•		•	•	•	•
5. Motorist drive out – midblock.	•					•	•	•
6. Bicyclist ride out – midblock.	•				•	•	•	•
7. Motorist turned or merged left into path of bicyclist.	•	•	•		•	•	•	•
8. Motorist turned or merged right into path of bicyclist (initial parallel paths).	•	•	•		•	•	•	•
9. Bicyclist turned or merged left into path of motorist (initial parallel paths).	•		•	•	•	•	•	•
10. Bicyclist turned or merged right into path of motorist (initial parallel paths).	•	•	•	•	•	•	•	•
11. Motorist overtaking bicyclist.	•	•		•	•	•	•	•
12. Bicyclist overtaking motorist.	•	•		•		•	•	•
13. Non-motor vehicle crashes (includes bike only falls, bike-bike, bike-ped, bike-object).	•			•		•	•	•

Figure 96. Image. View countermeasures for 13 bicyclist crash groups.

## COUNTERMEASURE DESCRIPTIONS

A click on a cell in either matrix will produce a list of available countermeasures that may be used to address the problems associated with a specific crash group. A click on the countermeasure itself will produce a detailed description of the treatment that includes a discussion of the purpose, considerations, estimated cost, and links to case studies. (See example in figure 97.).

The treatments and programs included on these sites have been in place for an extended period of time or have been proven effective at the time the product was developed. Since that time, new countermeasures continue to be developed, implemented, and evaluated. Thus, practitioners should not necessarily limit their choices to those included on the sites; this material is only a starting point. More information on the latest treatments and programs can be found through many of the Web sites and other resources included in the *More Info* sections on both sites.

## Right-Turn-on-Red Restrictions:

View Other Signals and Signs Treatments ▾

A permissible Right Turn on Red (RTOR) was introduced in the 1970s as a fuel-saving measure and has sometimes had detrimental effects on pedestrians. While the law requires motorists to come to a full stop and yield to cross-street traffic and pedestrians prior to turning right on red, many motorists do not fully comply with the regulations, especially at intersections with wide turning radii. Motorists are so intent on looking for traffic approaching on their left that they may not be alert to pedestrians approaching on their right. In addition, motorists usually pull up into the crosswalk to wait for a gap in traffic, blocking pedestrian crossing movements. In some instances, motorists simply do not come to a full stop.

One concern that comes up when RTOR is prohibited is that this may lead to higher right-turn-on-green conflicts when there are concurrent signals. The use of the leading pedestrian interval (LPI) can usually best address this issue (see [Pedestrian Signal Timing](#)). Where pedestrian volumes are very high, exclusive pedestrian signals should be considered.

Prohibiting RTOR should be considered where and/or when there are high pedestrian volumes. This can be done with a simple sign posting, although there are some options that are more effective than a standard sign. For example, one option is a larger 762-mm by 914-mm (30-in by 36-in) NO TURN ON RED sign, which is more conspicuous. For areas where a right-turn-on-red restriction is needed during certain times, time-of-day restrictions may be appropriate. A variable-message NO TURN ON RED sign is also an option.<sup>6</sup>

### Purpose

- Increase pedestrian safety and decrease crashes with right-turning vehicles.

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### Considerations

- Prohibiting RTOR is a simple, low-cost measure. Together with a leading pedestrian interval, the signal changes can benefit pedestrians with minimal impact on traffic.
- Part-time RTOR prohibitions during the busiest times of the day may be sufficient to address the problem.
- Signs should be clearly visible to right-turning motorists stopped in the curb lane at the crosswalk.

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### Estimated Cost

\$30 to \$150 per NO TURN ON RED sign plus installation at \$200 per sign. Electronic signs have higher costs.

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### Case Studies

[Orlando, FL](#)

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[view](#)



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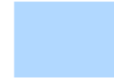


Figure 97. Image. View countermeasure descriptions.



## APPENDIX A: INSTALLATION INSTRUCTIONS

This appendix includes step-by-step instructions for installing the software after it has been downloaded from the Web site. All screens that will appear during the installation are shown, including the ones that will appear if the .NET framework or an updated version of the Microsoft® Data Access Components (MDAC) is required.

Step 1 – Double click on the downloaded PBCAT.exe file to open the WinZip® Self-Extractor window. *Browse* to the folder where the files are to be extracted. Click *Unzip* (see figure 98). When finished, a window will appear indicating that seven files were unzipped successfully (figure 99).

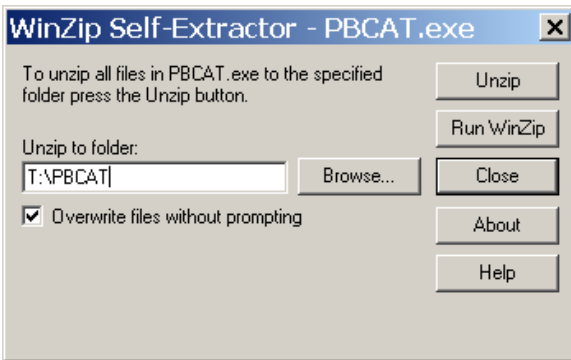


Figure 98. Step 1.

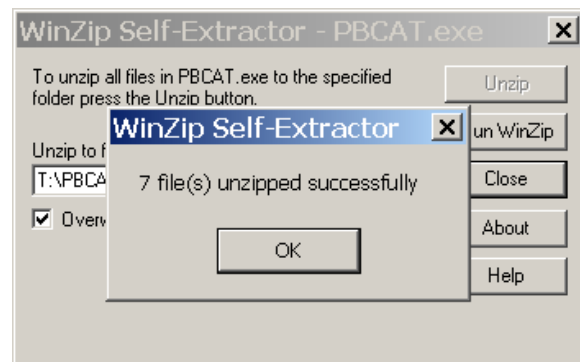


Figure 99. Step 1 completed.

Step 2 – Browse to the folder where the files were written (unzipped) (figure 100). Double click the setup.exe file as seen in figure 101.

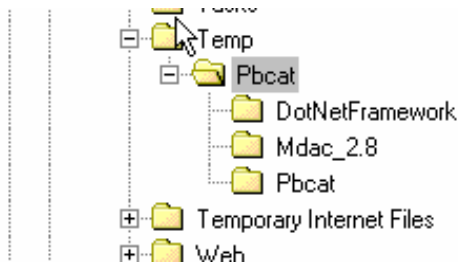


Figure 100. Step 2.

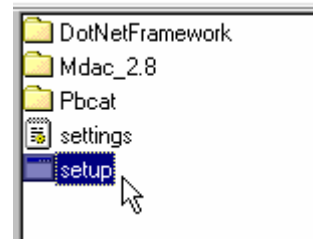
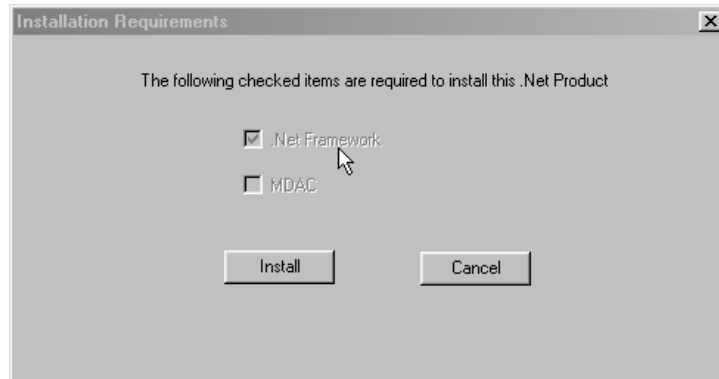


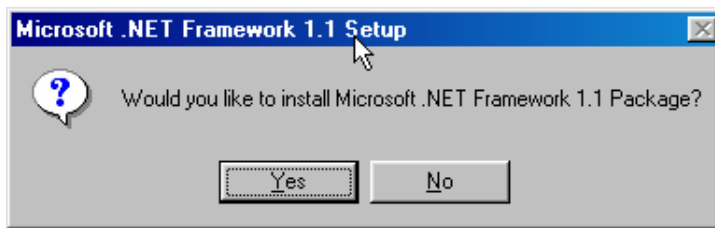
Figure 101. Step 2—setup file.

Step 3 – The installation software will check to see if the .NET framework is installed on the computer. If not, it will be installed as indicated in steps 3 through 6, beginning with this screen. Check the box next to .NET Framework and click *Install* as shown in figure 102.



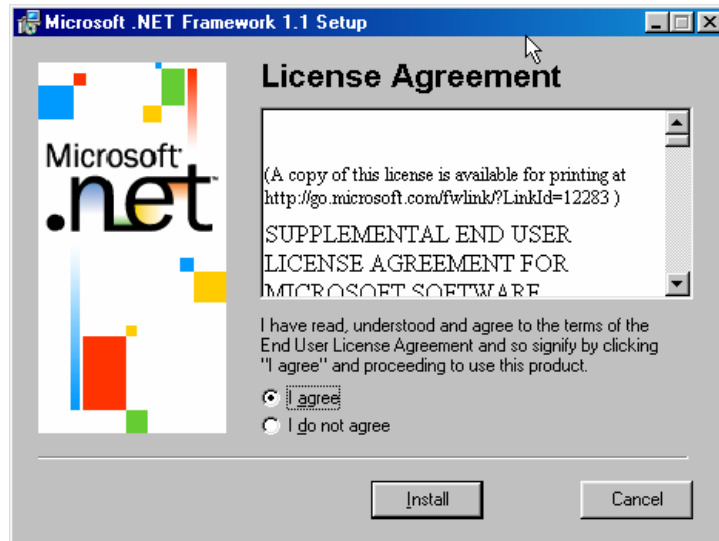
**Figure 102. Step 3.**

Step 4 – A confirmation screen will appear (figure 103). Click *Yes*.



**Figure 103. Step 4.**

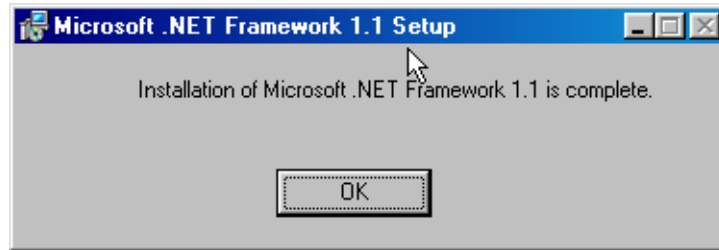
Step 5 – Read the Microsoft.net License Agreement, choose “I agree,” and click *Install*.



**Figure 104. Step 5.**

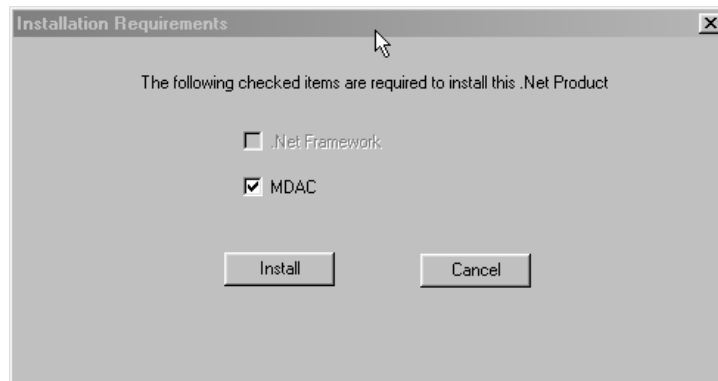


Step 6 – A screen will appear at the completion of the .NET Installation. Click *OK* (figure 105).



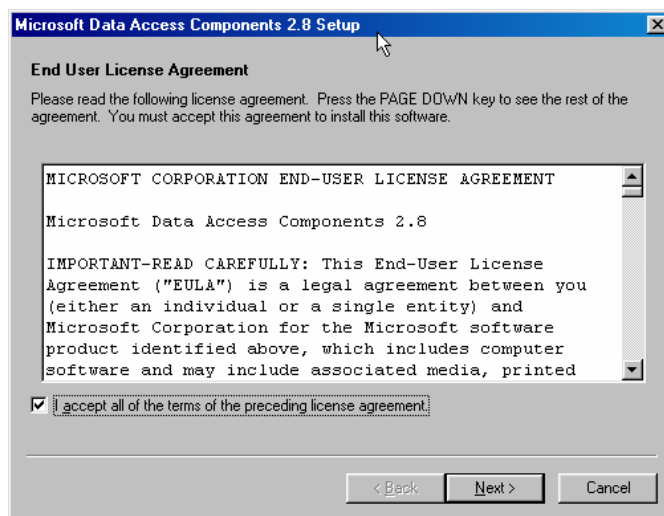
**Figure 105. Step 6.**

Step 7 – The installation software will also check for the correct version of the MDAC. If detected, Steps 7 through 11 will not be necessary. If the correct version is not detected, the screen in figure 106 will appear. Click *Install*.



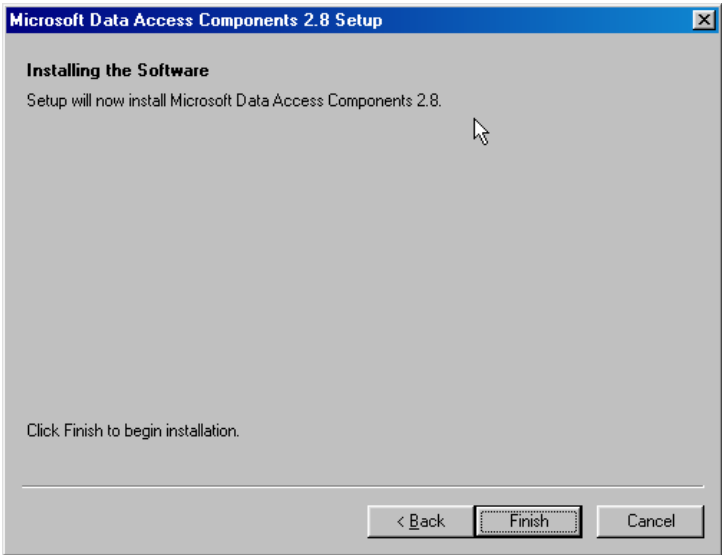
**Figure 106. Step 7.**

Step 8 – Read the MDAC End User License Agreement (figure 107). Check the “acceptance of terms” box and click *Next*.

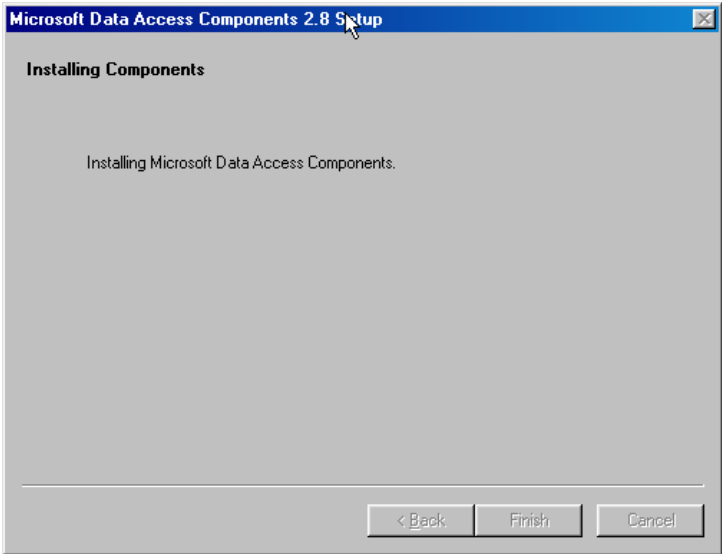


**Figure 107. Step 8.**

Step 9 – A confirmation screen (figure 108) will appear. Click *Finish*. Several screens will appear during the installation, including the one shown in figure 109.

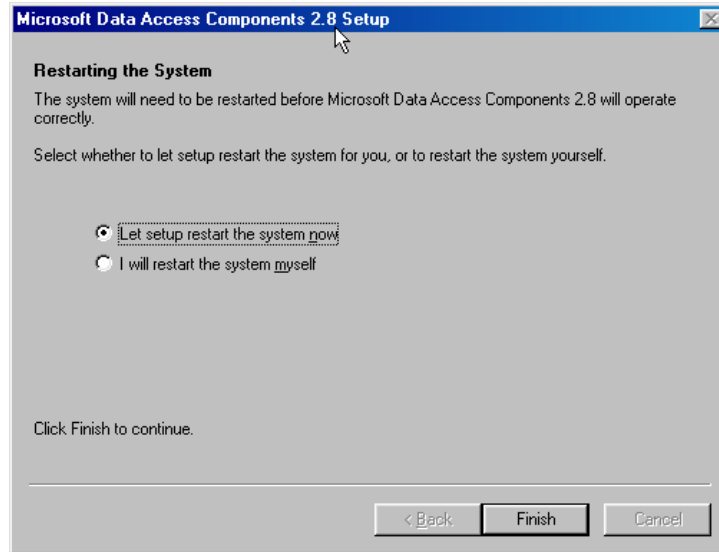


**Figure 108. Step 9.**



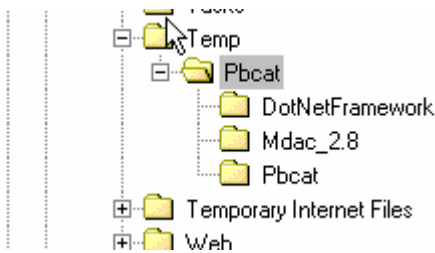
**Figure 109. Step 9—sample installation screen.**

Step 10 – Reboot the computer. Click the radio button, and the the setup application will restart the system now (figure 110). Click *Finish*.

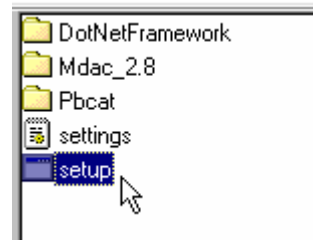


**Figure 110. Step 10.**

Step 11 – After rebooting the system, browse to the folder where the files were written (unzipped) again (figure 111). Double click the setup.exe file as shown in figure 112.

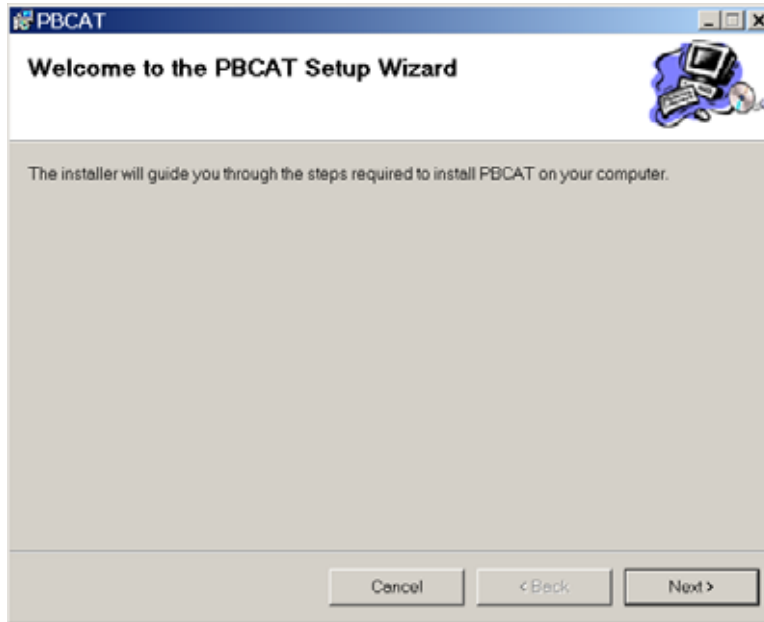


**Figure 111. Step 11.**



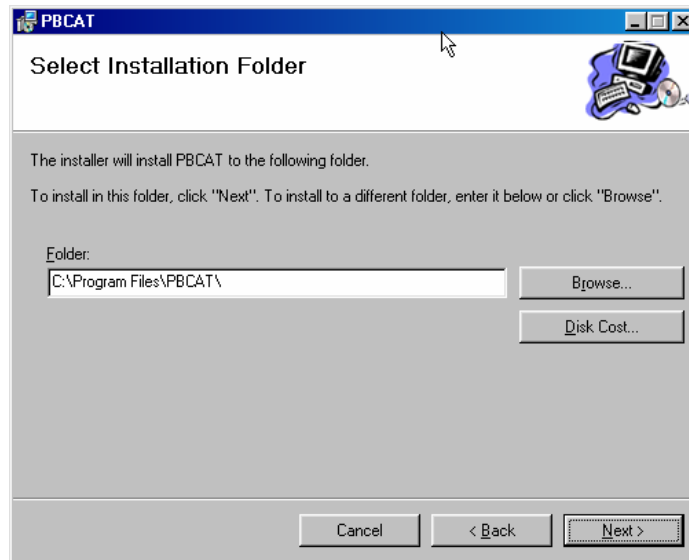
**Figure 112. Step 11—setup file.**

Step 12 – The PBCAT Setup Wizard window will open (figure 113). Click *Next*.



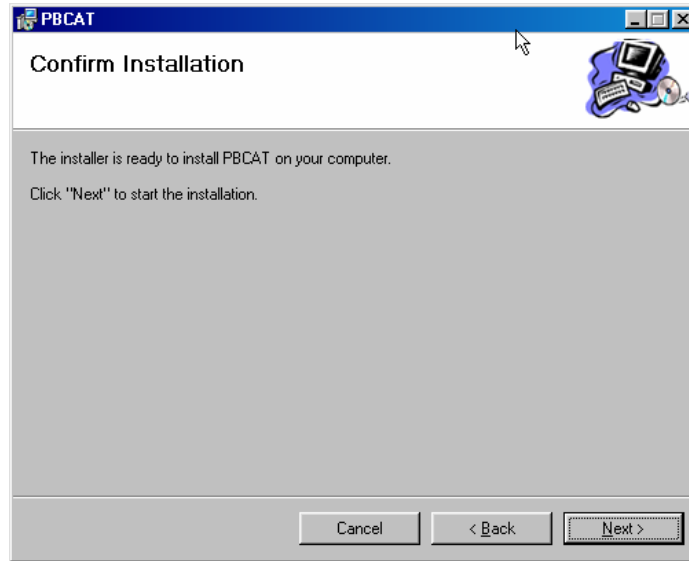
**Figure 113. Step 12.**

Step 13 – Select the folder where the program is to be installed (figure 114). Use the *Browse* button to do so. Click *Next*.



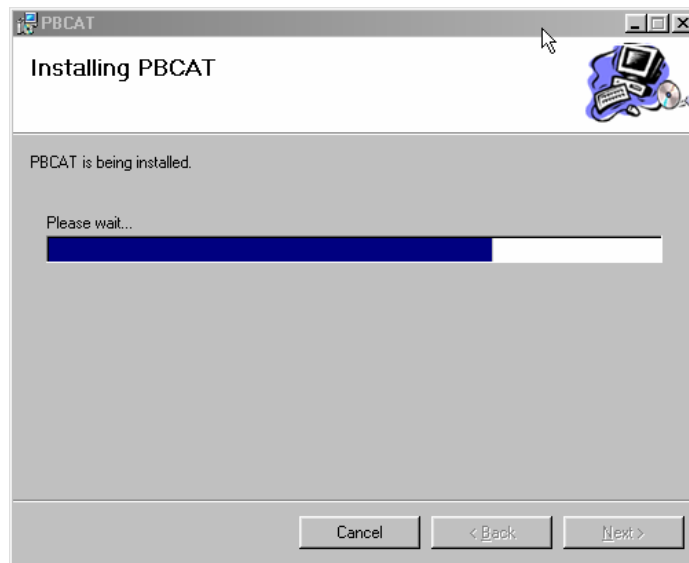
**Figure 114. Step 13.**

Step 14 – A conformation screen will appear as seen in figure 115. Click *Next*.



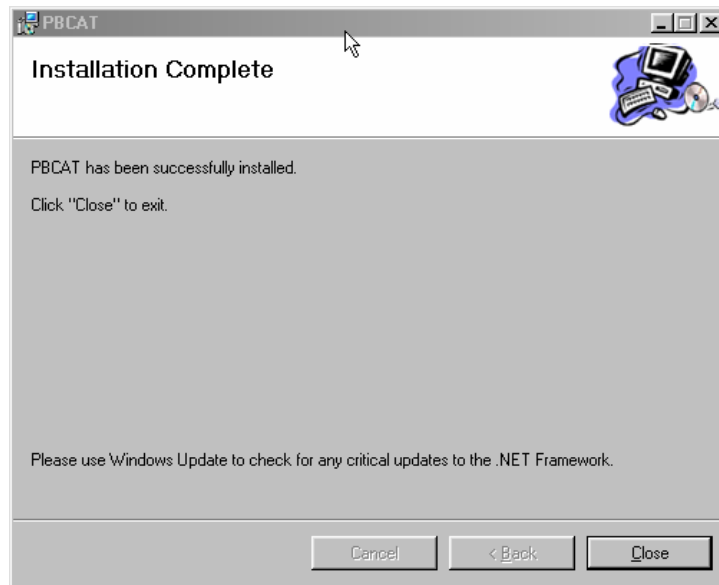
**Figure 115. Step 14.**

Step 15 – Figure 116 will appear during the installation that includes a progress bar.



**Figure 116. Step 15.**

Step 16 – When the installation is completed, click *Close*. The final screen is in figure 117.



**Figure 117. Step 16.**

## **APPENDIX B: PEDESTRIAN LOCATION SCENARIOS**

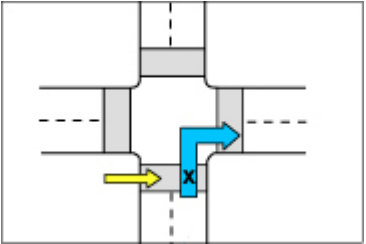
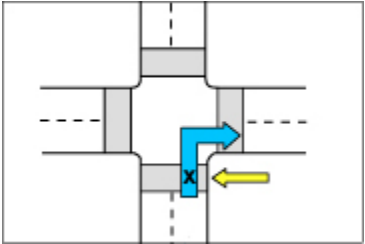
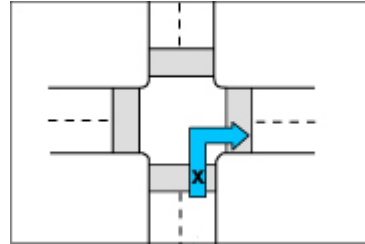
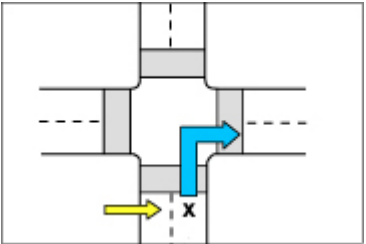
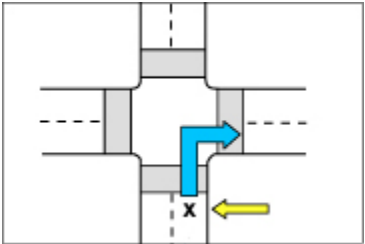
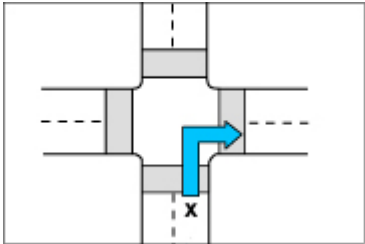
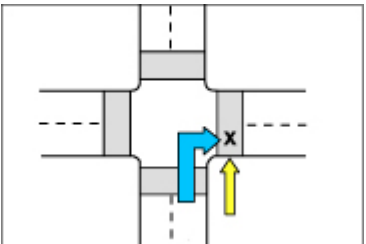
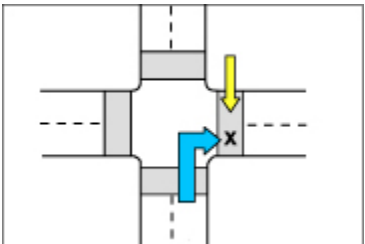
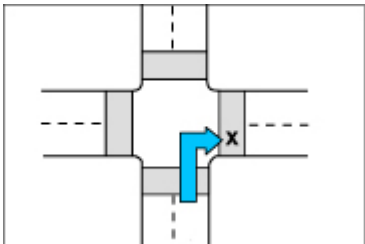
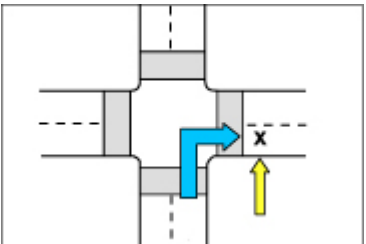
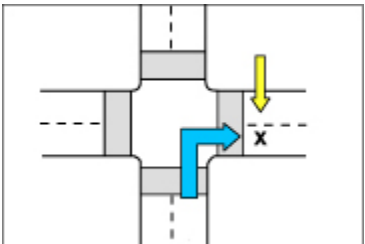
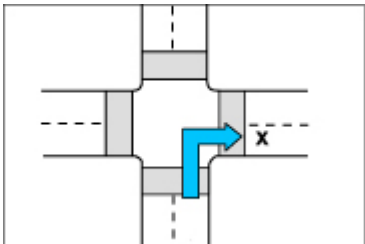
This appendix includes drawings and descriptions of the 36 Pedestrian Location Scenarios that are possible when the Pedestrian Location Option is enabled within the software. The purpose of this option is to provide users with additional details about the location and travel directions of the motorist and pedestrian for those crashes that occur at intersections. Refer to the section on pedestrian location in chapter 4 to learn more about this crash-typing option.

The scenarios are coded as a combination of a number and letter and are based on the combination of motorist maneuver, intersection leg where the crash occurred, direction of travel of the pedestrian, and whether the pedestrian was in or out of the crosswalk.

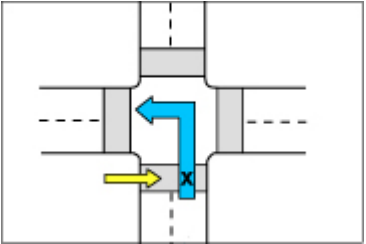
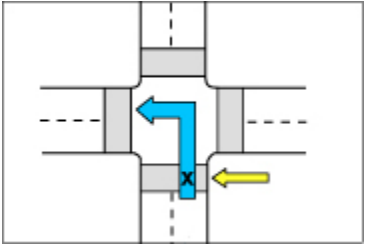
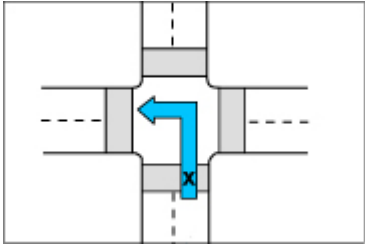
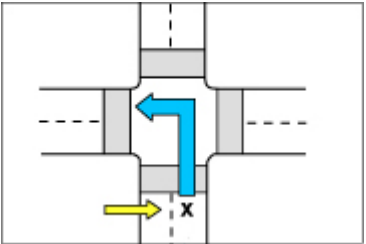
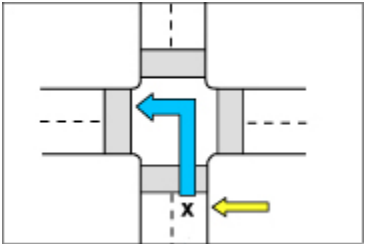
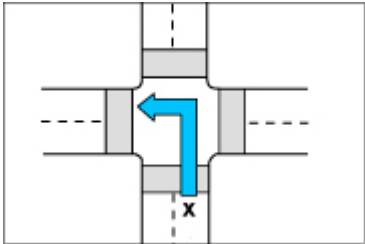
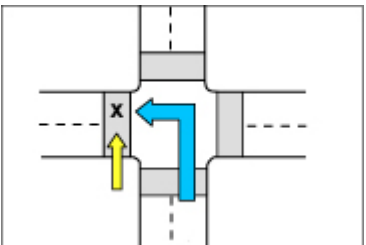
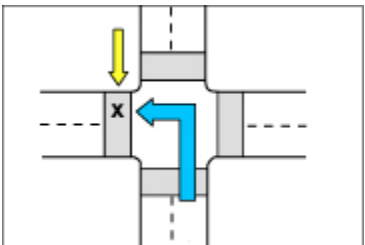
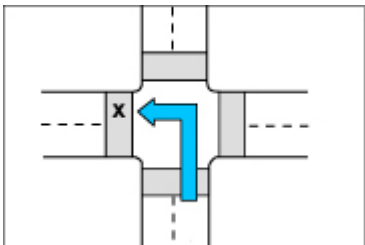
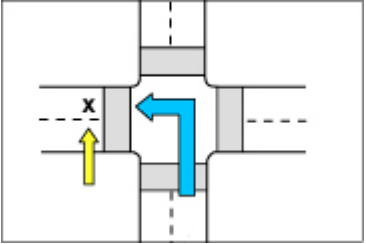
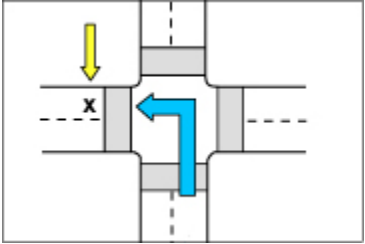
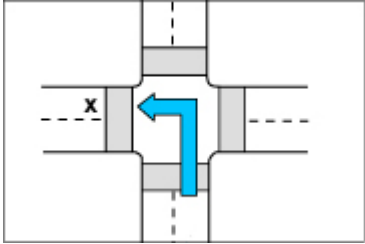
<b>Crash Occurred Near (Approach) Side of Intersection</b>		
<b>1a.</b> Pedestrian within crosswalk area, traveled from motorist's left.	<b>1b.</b> Pedestrian within crosswalk area, traveled from motorist's right.	<b>1c.</b> Pedestrian within crosswalk area, approach direction unknown.
<b>2a.</b> Pedestrian outside crosswalk area, traveled from motorist's left.	<b>2b.</b> Pedestrian outside crosswalk area, traveled from motorist's right.	<b>2c.</b> Pedestrian outside crosswalk area, approach direction unknown.
<b>Crash Occurred Far Side of Intersection</b>		
<b>3a.</b> Pedestrian within crosswalk area, traveled from motorist's left.	<b>3b.</b> Pedestrian within crosswalk area, traveled from motorist's right.	<b>3c.</b> Pedestrian within crosswalk area, approach direction unknown.
<b>4a.</b> Pedestrian outside crosswalk area, traveled from motorist's left.	<b>4b.</b> Pedestrian outside crosswalk area, traveled from motorist's right.	<b>4c.</b> Pedestrian outside crosswalk area, approach direction unknown.

**Figure 118. Motorist traveling straight through.**



<b>Crash Occurred Near (Approach) Side of Intersection</b>		
		
<b>5a.</b> Pedestrian within crosswalk area, traveled from motorist's left.	<b>5b.</b> Pedestrian within crosswalk area, traveled from motorist's right.	<b>5c.</b> Pedestrian within crosswalk area, approach direction unknown.
		
<b>6a.</b> Pedestrian outside crosswalk area, traveled from motorist's left.	<b>6b.</b> Pedestrian outside crosswalk area, traveled from motorist's right.	<b>6c.</b> Pedestrian outside crosswalk area, approach direction unknown.
<b>Crash Occurred Far Side of Intersection</b>		
		
<b>7a.</b> Pedestrian within crosswalk area, approach direction same as motorist's.	<b>7b.</b> Pedestrian within crosswalk area, approach direction opposite motorist's.	<b>7c.</b> Pedestrian within crosswalk area, approach direction unknown.
		
<b>8a.</b> Pedestrian outside crosswalk area, approach direction same as motorist's.	<b>8b.</b> Pedestrian outside crosswalk area, approach direction opposite motorist's.	<b>8c.</b> Pedestrian outside crosswalk area, approach direction unknown.

**Figure 119. Motorist turning right.**

<b>Crash Occurred Near (Approach) Side of Intersection</b>		
		
<b>9a.</b> Pedestrian within crosswalk area, traveled from motorist's left.	<b>9b.</b> Pedestrian within crosswalk area, traveled from motorist's right.	<b>9c.</b> Pedestrian within crosswalk area, approach direction unknown.
		
<b>10a.</b> Pedestrian outside crosswalk area, traveled from motorist's left.	<b>10b.</b> Pedestrian outside crosswalk area, traveled from motorist's right.	<b>10c.</b> Pedestrian outside crosswalk area, approach direction unknown.
<b>Crash Occurred Far Side of Intersection</b>		
		
<b>11a.</b> Pedestrian within crosswalk area, approach direction same as motorist's.	<b>11b.</b> Pedestrian within crosswalk area, approach direction opposite motorist's.	<b>11c.</b> Pedestrian within crosswalk area, approach direction unknown.
		
<b>12a.</b> Pedestrian outside crosswalk area, approach direction same as motorist's.	<b>12b.</b> Pedestrian outside crosswalk area, approach direction opposite motorist's.	<b>12c.</b> Pedestrian outside crosswalk area, approach direction unknown.

**Figure 120. Motorist turning left.**

## **APPENDIX C: CRASH TYPES AND CRASH GROUPS**

The tables on the following pages show the crash types and crash groups included in the PBCAT application. These tables also show the crash group to which a specific crash type will be assigned during the typing process.

**Table 4: Pedestrian Crash Types and Crash Groups**

<b>Crash Group Basic (Crash Group Number)</b>	<b>Crash Group Description (Crash Group Name)</b>	<b>Crash Type Basic (Crash Type Number)</b>	<b>Crash Type Description (Crash Type Name)</b>
100	Unusual Circumstances	110	Assault with Vehicle
		120	Dispute-Related
		130	Pedestrian on Vehicle
		140	Vehicle-Vehicle/Object
		150	Motor Vehicle Loss of Control
		160	Pedestrian Loss of Control
		190	Other Unusual Circumstances
		220	Driverless Vehicle
		230	Disabled Vehicle-Related
		240	Emergency Vehicle-Related
200	Backing Vehicle	211	Backing Vehicle—Driveway
		212	Backing Vehicle—Driveway/Sidewalk Intersection
		213	Backing Vehicle—Roadway
		214	Backing Vehicle—Parking Lot
		219	Backing Vehicle—Other/Unknown
310	Working or Playing in Roadway	311	Working in Roadway
		312	Playing in Roadway
340	Bus-Related	341	Commercial Bus-Related
		342	School Bus-Related
350	Unique Midblock	320	Entering/Exiting Parked Vehicle
		330	Mailbox-Related
		360	Ice Cream/Vendor Truck-Related

**Table 4: Pedestrian Crash Types and Crash Groups (continued)**

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
400	Walking Along Roadway	410	Walking Along Roadway With Traffic—From Behind
		420	Walking Along Roadway With Traffic—From Front
		430	Walking Along Roadway Against Traffic—From Behind
		440	Walking Along Roadway Against Traffic—From Front
		459	Walking Along Roadway—Direction/Position Unknown
460	Crossing Driveway or Alley	460	Motorist Entering Driveway or Alley
		465	Motorist Exiting Driveway or Alley
		469	Driveway Crossing—Other/Unknown
500	Waiting to Cross	510	Waiting to Cross—Vehicle Turning
		520	Waiting to Cross—Vehicle Not Turning
		590	Waiting to Cross—Vehicle Action Unknown
600	Pedestrian in Roadway— Circumstances Unknown	620	Walking in Roadway
		610	Standing in Roadway
		313	Lying in Roadway
720	Multiple Threat/Trapped	710	Multiple Threat
		730	Trapped
740	Dash/Dart-Out	741	Dash
		742	Dart-Out
750	Crossing Roadway— Vehicle Not Turning	760	Pedestrian Failed to Yield
		770	Motorist Failed to Yield

**Table 4: Pedestrian Crash Types and Crash Groups (continued)**

<b>Crash Group Basic (Crash Group Number)</b>	<b>Crash Group Description (Crash Group Name)</b>	<b>Crash Type Basic (Crash Type Number)</b>	<b>Crash Type Description (Crash Type Name)</b>
790	Crossing Roadway—Vehicle Turning	781	Motorist Left Turn—Parallel Paths
		782	Motorist Left Turn—Perpendicular Paths
		791	Motorist Right Turn—Parallel Paths
		792	Motorist Right Turn on Red—Parallel Paths
		795	Motorist Right Turn—Perpendicular Paths
		794	Motorist Right Turn on Red—Perpendicular Paths
		799	Motorist Turn/Merge—Other/Unknown
800	Off Roadway	830	Off Roadway—Parking Lot
		890	Off Roadway—Other/Unknown
910	Crossing Expressway	910	Crossing an Expressway
990	Other/Unknown— Insufficient Details	900	Other—Unknown Location
		680	Nonintersection—Other/Unknown
		690	Intersection—Other/Unknown

**Table 5. Bicyclist Crash Types and Crash Groups**

<b>Crash Group Basic (Crash Group Number)</b>	<b>Crash Group Description (Crash Group Name)</b>	<b>Crash Type Basic (Crash Type Number)</b>	<b>Crash Type Description (Crash Type Name)</b>
110	Loss of Control/Turning Error	121	Bicyclist Lost Control—Mechanical problems
		122	Bicyclist Lost Control—Oversteering, Improper Braking, Speed
		123	Bicyclist Lost Control—Alcohol/Drug Impairment
		124	Bicyclist Lost Control—Surface Conditions
		129	Bicyclist Lost Control—Other/Unknown
		131	Motorist Lost Control—Mechanical problems
		132	Motorist Lost Control—Oversteering, Improper Braking, Speed
		133	Motorist Lost Control—Alcohol/Drug Impairment
		134	Motorist Lost Control—Surface Conditions
		139	Motorist Lost Control—Other/Unknown
		111	Motorist Turning Error—Left Turn
		112	Motorist Turning Error—Right Turn
		113	Motorist Turning Error—Other
		114	Bicyclist Turning Error—Left Turn
		115	Bicyclist Turning Error—Right Turn
116	Bicyclist Turning Error—Other		
140	Motorist Failed to Yield—Sign-Controlled Intersection	141	Motorist Drive-out—Sign-Controlled Intersection
		143	Motorist Drive-through—Sign-Controlled Intersection
145	Bicyclist Failed to Yield—Sign-Controlled Intersection	142	Bicyclist Ride-out—Sign-Controlled Intersection
		144	Bicyclist Ride Through—Sign-Controlled Intersection
		147	Multiple Threat—Sign-Controlled Intersection

**Table 5. Bicyclist Crash Types and Crash Groups (continued)**

<b>Crash Group Basic (Crash Group Number)</b>	<b>Crash Group Description (Crash Group Name)</b>	<b>Crash Type Basic (Crash Type Number)</b>	<b>Crash Type Description (Crash Type Name)</b>
150	Motorist Failed to Yield—Signalized Intersection	152	Motorist Drive-out—Signalized Intersection
		151	Motorist Drive-out—Right Turn on Red
		154	Motorist Drive-through—Signalized Intersection
158	Bicyclist Failed to Yield—Signalized Intersection	153	Bicyclist Ride-out—Signalized Intersection
		155	Bicyclist Ride Through—Signalized Intersection
		156	Bicyclist Failed to Clear—Trapped
		157	Bicyclist Failed to Clear—Multiple Threat
		159	Bicyclist Failed to Clear—Unknown
190	Crossing Paths—Other Circumstances	148	Sign-Controlled Intersection—Other/Unknown
		158	Signalized Intersection—Other/Unknown
		180	Crossing Paths—Intersection—Other/Unknown Control
		160	Crossing Paths—Uncontrolled Intersection
		380	Crossing Paths—Midblock—Other/Unknown
210	Motorist Left Turn/Merge	211	Motorist Left Turn—Same Direction
		212	Motorist Left Turn—Opposite Direction
215	Motorist Right Turn/Merge	213	Motorist Right Turn—Same Direction
		217	Motorist Right Turn on Red—Same Direction
		214	Motorist Right Turn—Opposite Direction
		218	Motorist Right Turn on Red—Opposite Direction
220	Bicyclist Left Turn/Merge	221	Bicyclist Left Turn—Same Direction
		222	Bicyclist Left Turn—Opposite Direction
225	Bicyclist Right Turn/Merge	223	Bicyclist Right Turn—Same Direction
		224	Bicyclist Right Turn—Opposite Direction



**Table 5. Bicyclist Crash Types and Crash Groups (continued)**

<b>Crash Group Basic (Crash Group Number)</b>	<b>Crash Group Description (Crash Group Name)</b>	<b>Crash Type Basic (Crash Type Number)</b>	<b>Crash Type Description (Crash Type Name)</b>
219	Parking/Bus-Related	215	Motorist Drive-In/Out Parking
		216	Bus/Delivery Vehicle Pullover
230	Motorist Overtaking Bicyclist	231	Motorist Overtaking—Undetected Bicyclist
		232	Motorist Overtaking—Misjudged Space
		235	Motorist Overtaking—Bicyclist Swerved
		239	Motorist Overtaking—Other/ Unknown
240	Bicyclist Overtaking Motorist	241	Bicyclist Overtaking—Passing on Right
		242	Bicyclist Overtaking—Passing on Left
		243	Bicyclist Overtaking—Parked Vehicle
		244	Bicyclist Overtaking—Extended Door
		249	Bicyclist Overtaking—Other/Unknown
258	Head-On	250	Head-On—Bicyclist
		255	Head-On—Motorist
		259	Head-On—Unknown
290	Parallel Paths—Other Circumstances	219	Motorist Turn/Merge—Other/Unknown
		280	Parallel Paths—Other/Unknown
		225	Bicyclist Ride-out—Parallel Path
310	Bicyclist Failed to Yield—Midblock	311	Bicyclist Ride-out—Residential Driveway
		312	Bicyclist Ride-out—Commercial Driveway/Alley
		318	Bicyclist Ride-out—Other Midblock
		319	Bicyclist Ride-out—Midblock—Unknown
		357	Multiple Threat— Midblock

**Table 5. Bicyclist Crash Types and Crash Groups (continued)**

<b>Crash Group Basic (Crash Group Number)</b>	<b>Crash Group Description (Crash Group Name)</b>	<b>Crash Type Basic (Crash Type Number)</b>	<b>Crash Type Description (Crash Type Name)</b>
320	Motorist Failed to Yield—Midblock	321	Motorist Drive-out—Residential Driveway
		322	Motorist Drive-out—Commercial Driveway/Alley
		328	Motorist Drive-out—Other Midblock
		329	Motorist Drive-out—Midblock—Unknown
600	Backing Vehicle	600	Backing Vehicle
850	Other/Unusual Circumstances	510	Motorist Intentionally Caused
		520	Bicyclist Intentionally Caused
		700	Play Vehicle-Related
		800	Unusual Circumstances
		400	Bicycle Only
910	Nonroadway	910	Nonroadway
990	Other/Unknown— Insufficient Details	980	Unknown Location
		970	Unknown Approach Paths

## **APPENDIX D: DATABASE STRUCTURE**

The tables on the following pages provide attributes of the fields included in the default database (PBCAT.MDB). The following information is provided for each field:

- Field Name.
- Alias.
- Data Type.
- Field Length.
- Required.
- Field Entry Type.
- Default Value.
- Values.

Refer to the section on Database Fields in chapter 4 to learn how to change the attributes associated with these fields.

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Approach Link	Approach Link	Text	10	Dynamic Listbox	N		
Crash Group Description	Crash Group Description	Text	50	Singleline Editbox	N		
Crash Group Expanded	Crash Group Expanded	Int	4	Singleline Editbox	N		
Crash Group Basic	Crash Group Number	Int	4	Singleline Editbox	N		
Crash Location	Crash Location	Int	4	Singleline Editbox	N		
Crash Location Description	Crash Location Description	Text	110	Singleline Editbox	N		
Crash Type Description	Crash Type Description	Text	80	Singleline Editbox	N		
Crash Type Expanded	Crash Type Expanded	Int	4	Singleline Editbox	N		
Crash Type Basic	Crash Type Number	Int	4	Singleline Editbox	N		
Date of Crash	Date of Crash (mmddyyyy)	Datetime	8	Singleline Editbox	N		
Development Type	Development Type	Text	15	Dropdown Listbox	N		Unknown, Residential, Commercial, Industrial, Retail, Recreational, Mixed Use, Other

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Direction from Reference Street	Direction from Reference Street	Text	10	Dropdown Listbox	N		Unknown, North, South, East, West
Distance from Node	Distance from Node	Float	16	Singleline Editbox	N		
Distance from Reference Node	Distance from Reference Node	Float	16	Singleline Editbox	N		
Distance from Reference Street	Distance from Reference Street	Float	16	Singleline Editbox	N		
Driver Age	Driver Age	Int	4	Singleline Editbox	N		
Driver Alcohol Drug Use	Driver Alcohol/Drug Use	Text	25	Dropdown Listbox	N		Unknown, Yes, No
Driver Citation1	Driver Citation 1	Text	20	Singleline Editbox	N		
Driver Citation 2	Driver Citation 2	Text	20	Singleline Editbox	N		

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Driver Contributing Circumstances	Driver Contributing Factors	Text	25	Dropdown Listbox	N		Unknown, None, Alcohol/Drug Use, Failure to Yield, Improper Passing, Improper Lane Change, Improper Turn, Improper Backing, Right Turn on Red, Improper Equipment, Other
Driver DOB	Driver Date of Birth (mmddyyyy)	Datetime	8	Singleline Editbox	N		
Driver Gender	Driver Gender	Text	8	Dropdown Listbox	N		Unknown, Male, Female
Driver Injury Severity	Driver Injury Severity	Text	25	Dropdown Listbox	N		Unknown, Fatal (K), Incapacitating (A), Nonincapacitating (B), Possible (C), None(O)
Driver Race	Driver Race	Text	17	Dropdown Listbox	N		Unknown, White, Black, Native American, Hispanic, Other
Estimated Original Motor Vehicle Speed	Estimated Original Vehicle Speed	Int	4	Singleline Editbox	N		

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Estimated Motor Vehicle Speed at Impact	Estimated Speed at Impact	Int	4	Singleline Editbox	N		
Fault	Fault	Text	27	Dropdown Listbox	N		Unknown, Pedestrian at Fault, Motorist at Fault, Both at Fault, Neither at Fault, Cannot Determine Fault
GPS Latitude	GPS Latitude	Text	12	Singleline Editbox	N		
GPS Longitude	GPS Longitude	Text	12	Singleline Editbox	N		
Hit and Run	Hit and Run	Text	10	Dropdown Listbox	N		Unknown, Yes, No
Jurisdiction_Level_1	Jurisdiction 1	Text	20	Dynamic Listbox	N		
Jurisdiction_Level_2	Jurisdiction 2	Text	20	Dynamic Listbox	N		
Leg Intersection	Leg Intersection	Text	50	Singleline Editbox	N		
Light Conditions	Light Conditions	Text	25	Dropdown Listbox	N		Unknown, Daylight, Dawn/Dusk, Dark with Street Lights, Dark without Street Lights
Link	Link	Text	10	Dynamic Listbox	N		
Marked Crosswalk Presence	Marked Crosswalk	Text	15	Dropdown Listbox	N		Unknown, Yes, No, Not Applicable
Mile Km Post	Milepost	Float	16	Singleline Editbox	N		

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Motor Vehicle Defects	Motor Vehicle Defects	Text	10	Dropdown Listbox	N		Unknown, None, Brakes, Lights, Steering, Tires, Other
Motor Vehicle Type	Motor Vehicle Type	Text	20	Dropdown Listbox	N		Unknown, Car, Pickup, Sport Utility, Van/Minivan, Large Truck, Bus/School Bus, Other
Motorist Direction	Motorist Direction	Text	50	Singleline Editbox	N		
Motorist Maneuver	Motorist Maneuver	Text	50	Singleline Editbox	N		
Number Peds Involved	No. of Peds	Int	4	Singleline Editbox	N		
Number of Lanes	No. of Through Lanes	Int	4	Singleline Editbox	N		
Node	Node	Text	10	Dynamic Listbox	N		
Pedestrian Citation1	Pedestrian Citation 1	Text	20	Singleline Editbox	N		
Pedestrian Citation 2	Pedestrian Citation 2	Text	20	Singleline Editbox	N		
Pedestrian Contributing Circumstances	Pedestrian Contributing Factors	Text	20	Dropdown Listbox	N		Unknown, None, Alcohol/Drug Use, Failure to Yield, Circumstances, Other
Pedestrian Alcohol Drug Use	Pedestrian Alcohol/Drug Use	Text	10	Dropdown Listbox	N		Unknown, Yes, No



**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Age	Pedestrian Age	Int	4	Singleline Editbox	N		
DOB	Pedestrian Date of Birth (mmddyyyy)	Datetime	8	Singleline Editbox	N		
Pedestrian Direction	Pedestrian Direction	Text	50	Singleline Editbox	N		
Gender	Pedestrian Gender	Text	8	Dropdown Listbox	N		Unknown, Male, Female
Injury Severity	Pedestrian Injury Severity	Text	25	Dropdown Listbox	N		Unknown, Fatal (K), Incapacitating (A), Non-Incapacitating (B), Possible (C), None (O)
Pedestrian Position	Pedestrian Position	Int	4	Singleline Editbox	N		
Pedestrian Position Description	Pedestrian Position Description	Text	50	Singleline Editbox	N		
Race	Pedestrian Race	Text	17	Dropdown Listbox	N		Unknown, White, Black, Native American, Hispanic, Other
Reference Node	Reference Node	Text	10	Dynamic Listbox	N		
Reference Post	Reference Post	Float	16	Singleline Editbox	N		
Reference Street	Reference Street	Text	20	Dynamic Listbox	N		

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Report Number	Report Number	Text	20	Singleline Editbox	Y		
Roadway Alignment	Roadway Alignment	Text	15	Dropdown Listbox	N		Unknown, Straight, Curve, Not Applicable
Roadway Configuration	Roadway Configuration	Text	20	Dropdown Listbox	N		Unknown, Two-way Undivided, Two-way Divided, One-way, Other
Roadway Defects	Roadway Defects	Text	20	Dropdown Listbox	N		Unknown, None, Ruts/Bumps/Holes, Loose Material, Other
Roadway Surface Type	Roadway Surface	Text	10	Dropdown Listbox	N		Unknown, Concrete, Asphalt, Gravel, Other
Roadway Terrain	Roadway Terrain	Text	15	Dropdown Listbox	N		Level, Rolling, Mountainous, Other, Unknown, Not Applicable
Roadway Type	Roadway Type	Text	20	Dropdown Listbox	N		Unknown, Interstate, US Route, State Primary, State Secondary, Local/Municipal, Private Property, Other
Route Name MPS	Route Name	Text	20	Dynamic Listbox	N		
Route Name RPS	Route Name (RPS)	Text	20	Dynamic Listbox	N		

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Route Number MPS	Route Number	Text	20	Dynamic Listbox	N		
Route Number RPS	Route Number (RPS)	Text	20	Dynamic Listbox	N		
Route Street Name	Route/Street Name	Text	20	Dynamic Listbox	N		
Route Street Number	Route/Street Number	Text	20	Dynamic Listbox	N		
Scenario	Scenario	Text	50	Singleline Editbox	N		
School Zone	School Zone	Text	10	Dropdown Listbox	N		Unknown, Yes, No
Sidewalk Presence	Sidewalk Presence	Text	15	Dropdown Listbox	N		Unknown, Yes, No, Not Applicable
Speed Limit	Speed Limit	Int	4	Singleline Editbox	N		
Surface Conditions	Surface Conditions	Text	11	Dropdown Listbox	N		Unknown, Dry, Wet, Snow/Ice, Other
Time of Day	Time of Day (military—hhmm)	Text	4	Singleline Editbox	N		
Traffic Control	Traffic Control	Text	25	Dropdown Listbox	N		Unknown, Signals, Signs/Flashing Signals, None, Not Applicable
Type of Area	Type of Area	Text	10	Dropdown Listbox	N		Unknown, Rural, Urban, Suburban, Mixed

**Table 6. Pedestrian Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Unique Pedestrian Characteristic	Unique Pedestrian Characteristic	Text	25	Dropdown Listbox	N		Unknown, None, In-line/Roller Skates, Skateboard/Scooter, Wheel Chair, Walker/Cane/Crutches, Visual Impairment, Other
User Unlimited1	User Unlimited 1	Memo	Unlimited	Multiline Editbox	N		
User Unlimited 2	User Unlimited 2	Memo	Unlimited	Multiline Editbox	N		
Use Variable 1	User Variable 1	Text	20	Singleline Editbox	N		
Use Variable 2	User Variable 2	Text	20	Singleline Editbox	N		
User Variable 3	User Variable 3	Text	20	Singleline Editbox	N		
Use Variable 4	User Variable 4	Text	20	Singleline Editbox	N		
Weather Conditions	Weather Conditions	Text	20	Dropdown Listbox	N		Unknown, Clear/Cloudy, Rain, Snow/Sleet/Hail, Fog, Other

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Approach Link	Approach Link	Text	10	Dynamic Listbox	N		
Bicycle Defects	Bicycle Defects	Text	10	Dropdown Listbox	N		Unknown, None, Brakes, Lights, Tires, Other
Bicycle Facility Presence	Bicycle Facility Presence	Text	32	Dropdown Listbox	N		Unknown, Bicycle Lane, Paved Shoulder, Designated Sidewalk, Wide Curb Lane, Combined Pkg/Bike Lane, None, Not Applicable
Bicycle Type	Bicycle Type	Text	20	Dropdown Listbox	N		Unknown, Adult 2-wheel, Adult Tricycle, Child 2-wheel, Child Tricycle, Adult Other, Child Other, Recumbent, Motorized
Bike Alcohol Drug Use	Bicyclist Alcohol/Drug Use	Text	10	Dropdown Listbox	N		Unknown, Yes, No
Age	Bicyclist Age	Int	4	Singleline Editbox	N		
Bike Citation1	Bicyclist Citation 1	Text	20	Singleline Editbox	N		
Bike Citation2	Bicyclist Citation 2	Text	20	Singleline Editbox	N		

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Bike Contributing Circumstances	Bicyclist Contributing Factors	Text	25	Dropdown Listbox	N		Unknown, None, Alcohol/Drug Use, Failure to Yield, Improper Passing, Improper Lane Change, Improper Turn, Improper Backing, Right Turn on Red, Improper Equipment, Other
DOB	Bicyclist Date of Birth (mmddyyyy)	Datetime	8	Singleline Editbox	N		
Bicyclist Direction	Bicyclist Direction	Int	4	Singleline Editbox	N		
Bicyclist Direction Description	Bicyclist Direction Description	Text	50	Singleline Editbox	N		
Gender	Bicyclist Gender	Text	10	Dropdown Listbox	N		Unknown, Male, Female
Helmet	Bicyclist Helmet Use	Text	10	Dropdown Listbox	N		Unknown, Yes, No
Injury Severity	Bicyclist Injury Severity	Text	25	Dropdown Listbox	N		Unknown, Fatal (K), Incapacitating (A), Non-Incapacitating (B), Possible (C), None(O)
Bicyclist Position	Bicyclist Position	Int	4	Singleline Editbox	N		

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Bicyclist Position Description	Bicyclist Position Description	Text	60	Singleline Editbox	N		
Race	Bicyclist Race	Text	17	Dropdown Listbox	N		Unknown, White, Black, Native American, Hispanic, Other
Bicycle Lane or Paved Shoulder Width	Bike Lane/Paved Shoulder Width	Int	4	Singleline Editbox	N		
Crash Group Description	Crash Group Description	Text	100	Singleline Editbox	N		
Crash Group Expanded	Crash Group Expanded	Int	4	Singleline Editbox	N		
Crash Group Basic	Crash Group Number	Int	4	Singleline Editbox	N		
Crash Location	Crash Location	Text	10	Singleline Editbox	N		
Crash Location Description	Crash Location Description	Text	35	Singleline Editbox	N		
Crash Type Description	Crash Type Description	Text	80	Singleline Editbox	N		
Crash Type Expanded	Crash Type Expanded	Int	4	Singleline Editbox	N		
Crash Type Basic	Crash Type Number	Int	4	Singleline Editbox	N		
Curb Lane Width	Curb Lane Width	Int	4	Singleline Editbox	N		

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Date of Crash	Date of Crash (mmddyyyy)	Datetime	8	Singleline Editbox	N		
Development Type	Development Type	Text	15	Dropdown Listbox	N		Unknown, Residential, Commercial, Industrial, Retail, Recreational, Mixed Use, Other
Direction from Ref Street	Direction from Reference Street	Text	3	Dropdown Listbox	N		Unknown, North, South, East, West
Distance from Node	Distance from Node	Float	16	Singleline Editbox	N		
Distance from Ref Node	Distance from Reference Node	Float	16	Singleline Editbox	N		
Distance from Ref Street	Distance from Reference Street	Float	16	Singleline Editbox	N		
Driver Age	Driver Age	Int	4	Singleline Editbox	N		
Driver Alcohol Drug Use	Driver Alcohol/Drug Use	Text	25	Dropdown Listbox	N		Unknown, Yes, No
Driver Citation 1	Driver Citation 1	Text	20	Singleline Editbox	N		
Driver Citation 2	Driver Citation 2	Text	20	Singleline Editbox	N		



**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Driver Contributing Circumstances	Driver Contributing Factors	Text	25	Dropdown Listbox	N		Unknown, None, Alcohol/Drug Use, Failure to Yield, Improper Passing, Improper Lane Change, Improper Turn, Improper Backing, Right Turn on Red, Improper Equipment, Other
Driver DOB	Driver Date of Birth (mmddyyyy)	Datetime	8	Singleline Editbox	N		
Driver Gender	Driver Gender	Text	10	Dropdown Listbox	N		Unknown, Male, Female
Driver Injury Severity	Driver Injury Severity	Text	25	Dropdown Listbox	N		Unknown, Fatal (K), Incapacitating (A), Non-Incapacitating (B), Possible (C), None (O)
Driver Race	Driver Race	Text	17	Dropdown Listbox	N		Unknown, White, Black, Native American, Hispanic, Other
Estimated Original Motor Vehicle Speed	Estimated Original Vehicle Speed	Int	4	Singleline Editbox	N		
Estimated Motor Vehicle Speed at Impact	Estimated Speed at Impact	Int	4	Singleline Editbox	N		

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Fault	Fault	Text	27	Dropdown Listbox	N		Unknown, Bicyclist at Fault, Motorist at Fault, Both at Fault, Neither at Fault, Cannot Determine Fault
GPS Latitude	GPS Latitude	Text	12	Singleline Editbox	N		
GPS Longitude	GPS Longitude	Text	12	Singleline Editbox	N		
Hit and Run	Hit and Run	Text	10	Dropdown Listbox	N		Unknown, Yes, No
Jurisdiction Level 1	Jurisdiction 1	Text	20	Dynamic Listbox	N		
Jurisdiction_Level_2	Jurisdiction 2	Text	20	Dynamic Listbox	N		
Light Conditions	Light Conditions	Text	25	Dropdown Listbox	N		Unknown, Daylight, Dawn/Dusk, Dark-Street Lights, Dark-No Street Lights
Link	Link	Text	10	Dynamic Listbox	N		
Marked Crosswalk Presence	Marked Crosswalk	Text	20	Dropdown Listbox	N		Unknown, Yes, No, Not Applicable
Mile Km Post	Milepost	Float	16	Singleline Editbox	N		
Motor Vehicle Defects	Motor Vehicle Defects	Text	10	Dropdown Listbox	N		Unknown, None, Brakes, Lights, Steering, Tires, Other

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Motor Vehicle Type	Motor Vehicle Type	Text	20	Dropdown Listbox	N		Unknown, Car, Pickup, Sport Utility, Van/Minivan, Large Truck, Bus/School Bus, Other
Number Bicyclists Involved	No. of Bicyclists	Int	4	Singleline Editbox	N		
Number of Lanes	No. of Through Lanes	Int	4	Singleline Editbox	N		
Node	Node	Text	10	Dynamic Listbox	N		
Reference Node	Reference Node	Text	10	Dynamic Listbox	N		
Reference Post	Reference Post	Float	16	Singleline Editbox	N		
Reference Street	Reference Street	Text	20	Dynamic Listbox	N		
Report Number	Report Number	Text	20	Singleline Editbox	Y		
Roadway Alignment	Roadway Alignment	Text	20	Dropdown Listbox	N		Unknown, Straight, Curve, Not Applicable
Roadway Configuration	Roadway Configuration	Text	20	Dropdown Listbox	N		Unknown, Two-way Undivided, Two-way Divided, One-way, Other
Roadway Defects	Roadway Defects	Text	20	Dropdown Listbox	N		Unknown, None, Ruts/Bumps/Holes, Loose Material, Other

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Roadway Surface Type	Roadway Surface	Text	10	Dropdown Listbox	N		Unknown, Concrete, Asphalt, Gravel, Other
Roadway Terrain	Roadway Terrain	Text	15	Dropdown Listbox	N		Level, Rolling, Mountainous, Other, Unknown, Not Applicable
Roadway Type	Roadway Type	Text	20	Dropdown Listbox	N		Unknown, Interstate, US Route, State Primary, State Secondary, Local/Municipal, Private Property, Other
Route Name MPS	Route Name	Text	20	Dynamic Listbox	N		
Route Name RPS	Route Name (rps)	Text	20	Dynamic Listbox	N		
Route Number MPS	Route Number	Text	20	Dynamic Listbox	N		
Route Number RPS	Route Number (rps)	Text	20	Dynamic Listbox	N		
Route Street Name	Route/Street Name	Text	20	Dynamic Listbox	N		
Route Street Number	Route/Street Number	Text	20	Dynamic Listbox	N		
School Zone	School Zone	Text	10	Dropdown Listbox	N		Unknown, Yes, No
Sidewalk Presence	Sidewalk Presence	Text	20	Dropdown Listbox	N		Unknown, Yes, No, Not Applicable

**Table 7. Bicyclist Table Structure for PBCAT.MDB Database (continued)**

Field Name	Alias	Data Type	Field Length	Field Entry Type	Required	Default Value	Values
Speed Limit	Speed Limit	Int	4	Singleline Editbox	N		
Surface Conditions	Surface Conditions	Text	11	Dropdown Listbox	N		Unknown, Dry, Wet, Snow/Ice, Other
Time of Day	Time of Day (military—hhmm)	Text	4	Singleline Editbox	N		
Traffic Control	Traffic Control	Text	25	Dropdown Listbox	N		Unknown, Signals, Signs/Flashing Signals, None, Not Applicable
Type of Area	Type of Area	Text	10	Dropdown Listbox	N		Unknown, Rural, Urban, Suburban, Mixed
User Unlimited1	User Unlimited 1	Memo	Unlimited	Multiline Editbox	N		
User Unlimited2	User Unlimited 2	Memo	Unlimited	Multiline Editbox	N		
User Variable 1	User Variable 1	Text	20	Singleline Editbox	N		
User Variable 2	User Variable 2	Text	20	Singleline Editbox	N		
User Variable 3	User Variable 3	Text	20	Singleline Editbox	N		
User Variable 4	User Variable 4	Text	20	Singleline Editbox	N		
Weather Conditions	Weather Conditions	Text	20	Dropdown Listbox	N		Unknown, Clear/Cloudy, Rain, Snow/Sleet/Hail, Fog, Other



## APPENDIX E: DATA ENTRY FORMS

This appendix includes the 10 forms that are available in the default database of the application (PBCAT.MDB). Any of these databases may be edited to meet the data entry needs of a State or local agency. Refer to chapter 5 for further instruction. The forms included are as follows:

- Ped\_All\_Data\_Milepost—contains all crash typing fields, all crash report fields, and the milepost referencing system fields.
- Ped\_All\_Data\_Refpost—contains all crash typing fields, all crash report fields, and the reference post referencing system fields.
- Ped\_All\_Data\_RouteName—contains all crash typing fields, all crash report fields, and the route/street name referencing system fields.
- Ped\_All\_Data\_LinkNode—contains all crash typing fields, all crash report fields, and the link/node referencing system fields.
- Ped\_Crash\_Type—contains only the *Report\_Number* field and the crash typing fields.
- Bike\_All\_Data\_Milepost—contains all crash typing fields, all crash report fields, and the milepost referencing system fields.
- Bike\_All\_Data\_Refpost—contains all crash typing fields, all crash report fields, and the reference post referencing system fields.
- Bike\_All\_Data\_RouteName—contains all crash typing fields, all crash report fields, and the route/street name referencing system fields.
- Bike\_All\_Data\_LinkNode—contains all crash typing fields, all crash report fields, and the link/node referencing system fields.
- Bike\_Crash\_Type—contains only the *Report\_Number* field and the crash typing fields.

The forms containing “all” database fields may be most useful to those users planning to use PBCAT to store and manage all pedestrian and bicyclist collision data in this application. The forms with crash type information only may be utilized by those users who plan to export the crash typing information and merge it with another database that contains the other crash data elements.

<b>Principal Information</b> Report Number <input type="text"/>  Date of Crash (mmddyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Peds <input type="text"/> Hit and Run <input type="text" value="Unknown"/>		<b>Location</b> Jurisdiction 1 <input type="text"/> Jurisdiction 2 <input type="text"/> Route Name <input type="text"/> Route Number <input type="text"/> Milepost <input type="text"/>		<b>GPS Data</b> GPS Longitude <input type="text"/>  GPS Latitude <input type="text"/>	
<b>Driver Information</b> Driver Date of Birth (mmddyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>		<b>Pedestrian Information</b> Pedestrian Date of Birth (mmddyyyy) <input type="text"/> Pedestrian Age <input type="text"/> Pedestrian Gender <input type="text" value="Unknown"/> Pedestrian Race <input type="text" value="Unknown"/> Pedestrian Alcohol/Drug Use <input type="text" value="Unknown"/> Pedestrian Injury Severity <input type="text" value="Unknown"/> Unique Ped Characteristic <input type="text" value="Unknown"/>			
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/>  Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>		<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>			
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/>  Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>		<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>			
		<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Ped Contributing Factors <input type="text" value="Unknown"/> Ped Citation 1 <input type="text"/> Ped Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>			
<b>Crash Typing Information</b>					
Crash Type Number	<input type="text"/>	Crash Type Description	<input type="text"/>		
Crash Group Number	<input type="text"/>	Crash Group Description	<input type="text"/>		
Crash Location	<input type="text"/>	Crash Location Description	<input type="text"/>		
Pedestrian Position	<input type="text"/>	Pedestrian Position Description	<input type="text"/>		
Pedestrian Direction	<input type="text"/>	Leg Intersection	<input type="text"/>	Crash Type Expanded	<input type="text"/>
Motorist Direction	<input type="text"/>	Scenario	<input type="text"/>	Crash Group Expanded	<input type="text"/>
Motorist Maneuver	<input type="text"/>				

**Figure 121. Ped\_All\_Data\_Milepost Form**



<b>Principal Information</b> Report Number <input type="text"/> Date of Crash (mmdyyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Peds <input type="text"/> Hit and Run <input type="text" value="Unknown"/>		<b>Location</b> Jurisdiction 1 <input type="text"/> Jurisdiction 2 <input type="text"/> Route Name (rps) <input type="text"/> Route Number (rps) <input type="text"/> Reference Post <input type="text"/>		<b>GPS Data</b> GPS Longitude <input type="text"/> GPS Latitude <input type="text"/>	
<b>Driver Information</b> Driver Date of Birth (mmdyyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>		<b>Pedestrian Information</b> Pedestrian Date of Birth (mmdyyyyy) <input type="text"/> Pedestrian Age <input type="text"/> Pedestrian Gender <input type="text" value="Unknown"/> Pedestrian Race <input type="text" value="Unknown"/> Pedestrian Alcohol/Drug Use <input type="text" value="Unknown"/> Pedestrian Injury Severity <input type="text" value="Unknown"/> Unique Ped Characteristic <input type="text" value="Unknown"/>			
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/> Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>		<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>			
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/> Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>		<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>			
		<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Ped Contributing Factors <input type="text" value="Unknown"/> Ped Citation 1 <input type="text"/> Ped Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>			
<b>Crash Typing Information</b>					
Crash Type Number <input type="text"/>		Crash Type Description <input type="text"/>			
Crash Group Number <input type="text"/>		Crash Group Description <input type="text"/>			
Crash Location <input type="text"/>		Crash Location Description <input type="text"/>			
Pedestrian Position <input type="text"/>		Pedestrian Position Description <input type="text"/>			
Pedestrian Direction <input type="text"/>		Leg Intersection <input type="text"/>		Crash Type Expanded <input type="text"/>	
Motorist Direction <input type="text"/>		Scenario <input type="text"/>		Crash Group Expanded <input type="text"/>	
Motorist Maneuver <input type="text"/>					

**Figure 122. Ped\_All\_Data\_Repost Form**

<b>Principal Information</b> Report Number <input type="text"/> Date of Crash (mmddyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Peds <input type="text"/> Hit and Run <input type="text" value="Unknown"/>		<b>Location</b> Jurisdiction 1 <input type="text"/> GPS Longitude <input type="text"/> Jurisdiction 2 <input type="text"/> GPS Latitude <input type="text"/> Route/Street Name <input type="text"/> Route/Street Number <input type="text"/> Reference Street <input type="text"/> Direction from Reference Street <input type="text" value="Unknown"/> Distance from Reference Street <input type="text"/>	
<b>Driver Information</b> Driver Date of Birth (mmddyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>		<b>Pedestrian Information</b> Pedestrian Date of Birth (mmddyyyy) <input type="text"/> Pedestrian Age <input type="text"/> Pedestrian Gender <input type="text" value="Unknown"/> Pedestrian Race <input type="text" value="Unknown"/> Pedestrian Alcohol/Drug Use <input type="text" value="Unknown"/> Pedestrian Injury Severity <input type="text" value="Unknown"/> Unique Ped Characteristic <input type="text" value="Unknown"/>	
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/> Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>		<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>	
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/> Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>		<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>	
<b>Crash Typing Information</b> Crash Type Number <input type="text"/> Crash Type Description <input type="text"/> Crash Group Number <input type="text"/> Crash Group Description <input type="text"/> Crash Location <input type="text"/> Crash Location Description <input type="text"/> Pedestrian Position <input type="text"/> Pedestrian Position Description <input type="text"/> Pedestrian Direction <input type="text"/> Leg Intersection <input type="text"/> Crash Type Expanded <input type="text"/> Motorist Direction <input type="text"/> Scenario <input type="text"/> Crash Group Expanded <input type="text"/> Motorist Maneuver <input type="text"/>		<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Ped Contributing Factors <input type="text" value="Unknown"/> Ped Citation 1 <input type="text"/> Ped Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>	

**Figure 123. Ped\_All\_Data\_RouteName Form**

<b>Principal Information</b> Report Number <input type="text"/> Date of Crash (mmddyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Peds <input type="text"/> Hit and Run <input type="text" value="Unknown"/>		<b>Location</b> Jurisdiction 1 <input type="text"/> Jurisdiction 2 <input type="text"/> Link <input type="text"/> Reference Node <input type="text"/> Distance from Reference Node <input type="text"/>		<b>GPS Data</b> GPS Longitude <input type="text"/> GPS Latitude <input type="text"/> Node <input type="text"/> Approach Link <input type="text"/> Distance from Node <input type="text"/>	
<b>Driver Information</b> Driver Date of Birth (mmddyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>		<b>Pedestrian Information</b> Pedestrian Date of Birth (mmddyyyy) <input type="text"/> Pedestrian Age <input type="text"/> Pedestrian Gender <input type="text" value="Unknown"/> Pedestrian Race <input type="text" value="Unknown"/> Pedestrian Alcohol/Drug Use <input type="text" value="Unknown"/> Pedestrian Injury Severity <input type="text" value="Unknown"/> Unique Ped Characteristic <input type="text" value="Unknown"/>			
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/> Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>		<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>			
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/> Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>		<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>			
		<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Ped Contributing Factors <input type="text" value="Unknown"/> Ped Citation 1 <input type="text"/> Ped Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>			
Crash Type Number <input type="text"/> Crash Group Number <input type="text"/> Crash Location <input type="text"/> Pedestrian Position <input type="text"/> Pedestrian Direction <input type="text"/> Motorist Direction <input type="text"/> Motorist Maneuver <input type="text"/>		Crash Type Description <input type="text"/> Crash Group Description <input type="text"/> Crash Location Description <input type="text"/> Pedestrian Position Description <input type="text"/> Leg Intersection <input type="text"/> Scenario <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Crash Type Expanded <input type="text"/> Crash Group Expanded <input type="text"/>	

**Figure 124. Ped\_All\_Data\_LinkNode Form**

**Figure 125. Ped\_Crash\_Type Form**

Report Number <input type="text"/>			
Crash Typing Information			
Crash Type Number	<input type="text"/>	Crash Type Description	<input type="text"/>
Crash Group Number	<input type="text"/>	Crash Group Description	<input type="text"/>
Crash Location	<input type="text"/>	Crash Location Description	<input type="text"/>
Pedestrian Position	<input type="text"/>	Pedestrian Position Description	<input type="text"/>
Pedestrian Direction	<input type="text"/>	Leg Intersection	<input type="text"/> Crash Type Expanded <input type="text"/>
Motorist Direction	<input type="text"/>	Scenario	<input type="text"/> Crash Group Expanded <input type="text"/>
Motorist Maneuver	<input type="text"/>		

<b>Principal Information</b> Report Number <input type="text"/> Date of Crash (mmddyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Bicyclists <input type="text"/> Hit and Run <input type="text" value="Unknown"/>	<b>Location</b> Jurisdiction 1 <input type="text"/> Jurisdiction 2 <input type="text"/> Route Name <input type="text"/> Route Number <input type="text"/> Milepost <input type="text"/>	<b>GPS Data</b> GPS Longitude <input type="text"/> GPS Latitude <input type="text"/>												
<b>Driver Information</b> Driver Date of Birth (mmddyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>	<b>Bicyclist Information</b> Bicyclist Date of Birth (mmddyyyy) <input type="text"/> Bicyclist Age <input type="text"/> Bicyclist Gender <input type="text" value="Unknown"/> Bicyclist Race <input type="text" value="Unknown"/> Bicyclist Alcohol/Drug Use <input type="text" value="Unknown"/> Bicyclist Injury Severity <input type="text" value="Unknown"/> Bicyclist Helmet Use <input type="text" value="Unknown"/>													
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/> Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>	<b>Bicycle and Facility Information</b> Bicycle Type <input type="text" value="Unknown"/> Bicycle Defects <input type="text" value="Unknown"/> Bicycle Facility Presence <input type="text" value="Unknown"/> Curb Lane Width <input type="text"/> Bike Lane/Paved Shoulder Width <input type="text"/>													
<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>	<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>													
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/> Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>	<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Bicyclist Contributing Factors <input type="text" value="Unknown"/> Bicyclist Citation 1 <input type="text"/> Bicyclist Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>													
<b>Crash Typing Information</b> <table border="1"> <tr> <td>Crash Type Number <input type="text"/></td> <td>Crash Type Description <input type="text"/></td> </tr> <tr> <td>Crash Group Number <input type="text"/></td> <td>Crash Group Description <input type="text"/></td> </tr> <tr> <td>Crash Location <input type="text"/></td> <td>Crash Location Description <input type="text"/></td> </tr> <tr> <td>Bicyclist Position <input type="text"/></td> <td>Bicyclist Position Description <input type="text"/></td> </tr> <tr> <td>Bicyclist Direction <input type="text"/></td> <td>Bicyclist Direction Description <input type="text"/></td> </tr> <tr> <td>Crash Type Expanded <input type="text"/></td> <td>Crash Group Expanded <input type="text"/></td> </tr> </table>			Crash Type Number <input type="text"/>	Crash Type Description <input type="text"/>	Crash Group Number <input type="text"/>	Crash Group Description <input type="text"/>	Crash Location <input type="text"/>	Crash Location Description <input type="text"/>	Bicyclist Position <input type="text"/>	Bicyclist Position Description <input type="text"/>	Bicyclist Direction <input type="text"/>	Bicyclist Direction Description <input type="text"/>	Crash Type Expanded <input type="text"/>	Crash Group Expanded <input type="text"/>
Crash Type Number <input type="text"/>	Crash Type Description <input type="text"/>													
Crash Group Number <input type="text"/>	Crash Group Description <input type="text"/>													
Crash Location <input type="text"/>	Crash Location Description <input type="text"/>													
Bicyclist Position <input type="text"/>	Bicyclist Position Description <input type="text"/>													
Bicyclist Direction <input type="text"/>	Bicyclist Direction Description <input type="text"/>													
Crash Type Expanded <input type="text"/>	Crash Group Expanded <input type="text"/>													

**Figure 126. Bike\_All\_Data\_Milepost Form**

<b>Principal Information</b> Report Number <input type="text"/>  Date of Crash (mmddyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Bicyclists <input type="text"/> Hit and Run <input type="text" value="Unknown"/>	<b>Location</b> Jurisdiction 1 <input type="text"/> Jurisdiction 2 <input type="text"/> Route Name (rps) <input type="text"/> Route Number (rps) <input type="text"/> Reference Post <input type="text"/>	<b>GPS Data</b> GPS Longitude <input type="text"/>  GPS Latitude <input type="text"/>
<b>Driver Information</b> Driver Date of Birth (mmddyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>	<b>Bicyclist Information</b> Bicyclist Date of Birth (mmddyyyy) <input type="text"/> Bicyclist Age <input type="text"/> Bicyclist Gender <input type="text" value="Unknown"/> Bicyclist Race <input type="text" value="Unknown"/> Bicyclist Alcohol/Drug Use <input type="text" value="Unknown"/> Bicyclist Injury Severity <input type="text" value="Unknown"/> Bicyclist Helmet Use <input type="text" value="Unknown"/>	
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/>  Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>	<b>Bicycle and Facility Information</b> Bicycle Type <input type="text" value="Unknown"/> Bicycle Defects <input type="text" value="Unknown"/> Bicycle Facility Presence <input type="text" value="Unknown"/>  Curb Lane Width <input type="text"/> Bike Lane/Paved Shoulder Width <input type="text"/>	
<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>	<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>	
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/>  Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>	<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Bicyclist Contributing Factors <input type="text" value="Unknown"/> Bicyclist Citation 1 <input type="text"/> Bicyclist Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>	
<b>Crash Typing Information</b> Crash Type Number <input type="text"/> Crash Type Description <input type="text"/> Crash Group Number <input type="text"/> Crash Group Description <input type="text"/> Crash Location <input type="text"/> Crash Location Description <input type="text"/> Bicyclist Position <input type="text"/> Bicyclist Position Description <input type="text"/> Bicyclist Direction <input type="text"/> Bicyclist Direction Description <input type="text"/>  Crash Type Expanded <input type="text"/> Crash Group Expanded <input type="text"/>		

**Figure 127. Bike\_All\_Data\_Repost Form**

Principal Information		Location		GPS Data	
Report Number	<input type="text"/>	Jurisdiction 1	<input type="text"/>	GPS Longitude	<input type="text"/>
Date of Crash (mmdyyy)	<input type="text"/>	Jurisdiction 2	<input type="text"/>	GPS Latitude	<input type="text"/>
Time of Day (military - hhmm)	<input type="text"/>	Route/Street Name	<input type="text"/>	Route/Street Number	<input type="text"/>
No. of Bicyclists	<input type="text"/>	Reference Street	<input type="text"/>		<input type="text"/>
Hit and Run	<input type="text"/>	Direction from Reference Street	<input type="text"/>	Distance from Reference Street	<input type="text"/>

Driver Information		Bicyclist Information	
Driver Date of Birth (mmdyyy)	<input type="text"/>	Bicyclist Date of Birth (mmdyyy)	<input type="text"/>
Driver Age	<input type="text"/>	Bicyclist Age	<input type="text"/>
Driver Gender	<input type="text"/>	Bicyclist Gender	<input type="text"/>
Driver Race	<input type="text"/>	Bicyclist Race	<input type="text"/>
Driver Alcohol/Drug Use	<input type="text"/>	Bicyclist Alcohol/Drug Use	<input type="text"/>
Driver Injury Severity	<input type="text"/>	Bicyclist Injury Severity	<input type="text"/>
		Bicyclist Helmet Use	<input type="text"/>

Vehicle Information		Bicycle and Facility Information	
Motor Vehicle Type	<input type="text"/>	Bicycle Type	<input type="text"/>
Motor Vehicle Defects	<input type="text"/>	Bicycle Defects	<input type="text"/>
Estimated Original Vehicle Speed	<input type="text"/>	Bicycle Facility Presence	<input type="text"/>
Estimated Speed at Impact	<input type="text"/>	Curb Lane Width	<input type="text"/>
		Bike Lane/Paved Shoulder Width	<input type="text"/>

Area Characteristics		Environmental Conditions	
Type of Area	<input type="text"/>	Weather Conditions	<input type="text"/>
Development Type	<input type="text"/>	Surface Conditions	<input type="text"/>
School Zone	<input type="text"/>	Light Conditions	<input type="text"/>

Roadway Features		Contributing Factors/Citations/Fault	
No. of Through Lanes	<input type="text"/>	Driver Contributing Factors	<input type="text"/>
Roadway Type	<input type="text"/>	Driver Citation 1	<input type="text"/>
Roadway Configuration	<input type="text"/>	Driver Citation 2	<input type="text"/>
Roadway Terrain	<input type="text"/>	Bicyclist Contributing Factors	<input type="text"/>
Roadway Alignment	<input type="text"/>	Bicyclist Citation 1	<input type="text"/>
Roadway Surface	<input type="text"/>	Bicyclist Citation 2	<input type="text"/>
Roadway Defects	<input type="text"/>	Fault	<input type="text"/>
Traffic Control	<input type="text"/>		
Speed Limit	<input type="text"/>		
Marked Crosswalk	<input type="text"/>		
Sidewalk Presence	<input type="text"/>		

Crash Typing Information			
Crash Type Number	<input type="text"/>	Crash Type Description	<input type="text"/>
Crash Group Number	<input type="text"/>	Crash Group Description	<input type="text"/>
Crash Location	<input type="text"/>	Crash Location Description	<input type="text"/>
Bicyclist Position	<input type="text"/>	Bicyclist Position Description	<input type="text"/>
Bicyclist Direction	<input type="text"/>	Bicyclist Direction Description	<input type="text"/>
Crash Type Expanded	<input type="text"/>	Crash Group Expanded	<input type="text"/>

**Figure 128. Bike\_All\_Data\_RouteName Form**

<b>Principal Information</b> Report Number <input type="text"/> Date of Crash (mmddyyyy) <input type="text"/> Time of Day (military - hhmm) <input type="text"/> No. of Bicyclists <input type="text"/> Hit and Run <input type="text" value="Unknown"/>		<b>Location</b> Jurisdiction 1 <input type="text"/> Jurisdiction 2 <input type="text"/> Link <input type="text"/> Reference Node <input type="text"/> Distance from Reference Node <input type="text"/>		<b>GPS Data</b> GPS Longitude <input type="text"/> GPS Latitude <input type="text"/> Node <input type="text"/> Approach Link <input type="text"/> Distance from Node <input type="text"/>	
<b>Driver Information</b> Driver Date of Birth (mmddyyyy) <input type="text"/> Driver Age <input type="text"/> Driver Gender <input type="text" value="Unknown"/> Driver Race <input type="text" value="Unknown"/> Driver Alcohol/Drug Use <input type="text" value="Unknown"/> Driver Injury Severity <input type="text" value="Unknown"/>			<b>Bicyclist Information</b> Bicyclist Date of Birth (mmddyyyy) <input type="text"/> Bicyclist Age <input type="text"/> Bicyclist Gender <input type="text" value="Unknown"/> Bicyclist Race <input type="text" value="Unknown"/> Bicyclist Alcohol/Drug Use <input type="text" value="Unknown"/> Bicyclist Injury Severity <input type="text" value="Unknown"/> Bicyclist Helmet Use <input type="text" value="Unknown"/>		
<b>Vehicle Information</b> Motor Vehicle Type <input type="text" value="Unknown"/> Motor Vehicle Defects <input type="text" value="Unknown"/> Estimated Original Vehicle Speed <input type="text"/> Estimated Speed at Impact <input type="text"/>			<b>Bicycle and Facility Information</b> Bicycle Type <input type="text" value="Unknown"/> Bicycle Defects <input type="text" value="Unknown"/> Bicycle Facility Presence <input type="text" value="Unknown"/> Curb Lane Width <input type="text"/> Bike Lane/Paved Shoulder Width <input type="text"/>		
<b>Area Characteristics</b> Type of Area <input type="text" value="Unknown"/> Development Type <input type="text" value="Unknown"/> School Zone <input type="text" value="Unknown"/>			<b>Environmental Conditions</b> Weather Conditions <input type="text" value="Unknown"/> Surface Conditions <input type="text" value="Unknown"/> Light Conditions <input type="text" value="Unknown"/>		
<b>Roadway Features</b> No. of Through Lanes <input type="text"/> Roadway Type <input type="text" value="Unknown"/> Roadway Configuration <input type="text" value="Unknown"/> Roadway Terrain <input type="text" value="Level"/> Roadway Alignment <input type="text" value="Unknown"/> Roadway Surface <input type="text" value="Unknown"/> Roadway Defects <input type="text" value="Unknown"/> Traffic Control <input type="text" value="Unknown"/> Speed Limit <input type="text"/> Marked Crosswalk <input type="text" value="Unknown"/> Sidewalk Presence <input type="text" value="Unknown"/>			<b>Contributing Factors/Citations/Fault</b> Driver Contributing Factors <input type="text" value="Unknown"/> Driver Citation 1 <input type="text"/> Driver Citation 2 <input type="text"/> Bicyclist Contributing Factors <input type="text" value="Unknown"/> Bicyclist Citation 1 <input type="text"/> Bicyclist Citation 2 <input type="text"/> Fault <input type="text" value="Unknown"/>		
<b>Crash Typing Information</b> Crash Type Number <input type="text"/> Crash Type Description <input type="text"/> Crash Group Number <input type="text"/> Crash Group Description <input type="text"/> Crash Location <input type="text"/> Crash Location Description <input type="text"/> Bicyclist Position <input type="text"/> Bicyclist Position Description <input type="text"/> Bicyclist Direction <input type="text"/> Bicyclist Direction Description <input type="text"/> Crash Type Expanded <input type="text"/> Crash Group Expanded <input type="text"/>					

**Figure 129. Bike\_All\_Data\_LinkNode Form**



Report Number	<input type="text"/>
Crash Typing Information	
Crash Type Number	<input type="text"/> Crash Type Description <input type="text"/>
Crash Group Number	<input type="text"/> Crash Group Description <input type="text"/>
Crash Location	<input type="text"/> Crash Location Description <input type="text"/>
Bicyclist Position	<input type="text"/> Bicyclist Position Description <input type="text"/>
Bicyclist Direction	<input type="text"/> Bicyclist Direction Description <input type="text"/>
Crash Type Expanded	<input type="text"/> Crash Group Expanded <input type="text"/>

**Figure 130. Bike\_Crash\_Type Form**



## **APPENDIX F: CRASH TYPING DEFINITIONS**

Contained in this appendix are several tables with definitions for the bicyclist and pedestrian crash types. In addition, there are also tables with definitions for other fields that are completed during the crash typing process (e.g., crash location, pedestrian position, and bicyclist position and direction).

**Table 8. Pedestrian Crash Location Definitions**

<b>Crash_Location_Desc (Crash Location)</b>	<b>Crash_Location (Crash Location)</b>	<b>Definition</b>
Intersection	1	The crash occurred within the intersection proper or within the crosswalk area. <b>Note: Driveways controlled by signals or signs should be coded as intersections. Uncontrolled driveways should be coded as nonintersection locations.</b>
Intersection-Related	4	The crash occurred outside the intersection crosswalk area but within 15 m (50 ft) of the intersection.
Nonintersection	2	The crash occurred on or along the roadway and more than 15 m (50 ft) away from an intersection.
Nonroadway	3	The crash occurred off the roadway, including parking lots, driveways, private roads, yards, alleys, and other open areas. <b>Note: Crashes occurring on paved shoulders, sidewalks, or driveway crossings are considered to be "roadway" crashes and should not be placed in the nonroadway classification.</b>
Unknown	9	There is insufficient information to determine where the crash occurred.
<b>Pedestrian Position Definitions</b>		
<b>Pedestrian_Position_Desc (Pedestrian Position Description)</b>	<b>Pedestrian_Position (Pedestrian Position)</b>	<b>Definition</b>
Intersection	1	Within intersection proper
Crosswalk area	2	Within a crosswalk, marked or unmarked
Travel Lane	3	On a roadway, in a travel lane
Paved Shoulder/Bike Lane/Parking Lane	4	On a roadway, in a paved shoulder or bike lane, or parking lane
Sidewalk/Shared-Use Path/Driveway Crossing	5	On a sidewalk, shared-use path, or driveway crossing
Unpaved Right-of-Way	6	Other road right-of-way (unpaved shoulder, etc.)
Driveway/Alley	7	On a driveway or alley
Nonroadway—Parking lot/Other	8	Other nonroadway areas ( parking lot, non-right-of-way sidewalk or multi-use path, yard, open areas, etc.)
Other/Unknown	9	Other/unknown

**Table 9. Bicyclist Crash Location Definitions**

<b>Crash_Location_Desc (Crash Location)</b>	<b>Crash_Location (Crash Location)</b>	<b>Definition</b>
		<b>Where did the crash occur?</b>
Intersection	1	<u>Intersection</u> —The crash occurred within the intersection proper or within the crosswalk area. <b>Note: Driveways are considered to be nonintersection locations. The exception is signalized commercial driveways which should be coded as intersections.</b>
Intersection-Related	2	<u>Intersection-Related</u> —The crash occurred outside the intersection proper or crosswalk area but was related to the presence of the intersection (e.g., the result of queueing traffic).
Nonintersection	3	<u>Nonintersection Location</u> —The crash occurred outside the intersection proper or crosswalk area and was <b>not</b> related to the presence of any intersection.
Nonroadway	4	<u>Nonroadway Location</u> —The crash occurred off the street network; this includes parking lots, driveways, alleys, and other open areas. <b>Note: crashes occurring on paved shoulders, sidewalks, or driveway crossings are considered to be "roadway" crashes and should not be placed in the nonroadway classification.</b>
Unknown Location	9	<u>Unknown/Insufficient Information</u> —There is insufficient information to determine where the crash occurred.
<b>Bicyclist Position Definitions</b>		
<b>Bicyclist_Position_Desc (Bicyclist Position)</b>	<b>Bicyclist_Position (Bicyclist Position)</b>	<b>Definition</b>
Travel Lane	1	On a roadway, in a shared travel lane
Bike Lane/Paved Shoulder	2	On a roadway, in a bicycle lane or on a paved shoulder
Sidewalk/Crosswalk/Driveway Crossing	3	On a sidewalk, crosswalk, or driveway crossing
Driveway/Alley	4	On a separate bicycle/multi-use path
Multi-use Path	5	On a driveway or alley
Nonroadway	6	Other nonroadway areas (parking lot, open areas, etc.)
Other	8	Other (e.g., unpaved shoulder, worn path, etc.)
Unknown	9	Unknown

**Table 9. Bicyclist Crash Location Definitions (continued)**

<b>Bicyclist Direction Definitions</b>		
<b>Bicyclist_Direction_Desc (Bicyclist Direction)</b>	<b>Bicyclist_Direction (Bicyclist Direction)</b>	<b>Definition</b>
With Traffic	1	With traffic
Facing Traffic	2	Facing traffic
Not Applicable	3	Not applicable (e.g., exiting a driveway, parking lot, or other nonroadway area)
Unknown	9	Unknown

**Table 10. Pedestrian Crash Type Definitions**

<b>Crash_Type_Basic (Crash Type Number)</b>	<b>Crash_Type_Description (Crash Type Description)</b>	<b>Definition</b>
110	Assault with Vehicle	The driver intentionally struck the pedestrian with the vehicle.
120	Dispute-Related	The pedestrian was struck by a vehicle during a domestic altercation or other dispute.
130	Pedestrian on Vehicle	The pedestrian was sitting on, leaning against, or clinging to a vehicle which began to move or was moving.
140	Vehicle-Vehicle/Object	The pedestrian was struck as a result of a prior vehicle-into-vehicle or vehicle-into-object crash.
150	Motor Vehicle Loss of Control	Vehicle lost control due to mechanical failure, surface conditions, driver error or impairment.
160	Pedestrian Loss of Control	The pedestrian stumbled, fell, or rolled into path of vehicle due to surface conditions, impairment or other mishap.
190	Other Unusual Circumstances	The crash involved other unusual circumstances, such as a pedestrian being struck by falling cargo or a loose wheel.
211	Backing Vehicle— Driveway	The pedestrian was struck in a driveway by a vehicle that was backing with a driver at the controls.
212	Backing Vehicle— Driveway/Sidewalk Intersection	The pedestrian was struck in a driveway/sidewalk intersection by a vehicle that was backing with a driver at the controls.
213	Backing Vehicle— Roadway	The pedestrian was struck in a roadway by a vehicle that was backing with a driver at the controls.
214	Backing Vehicle—Parking Lot	The pedestrian was struck in a parking lot by a vehicle that was backing with a driver at the controls.
219	Backing Vehicle— Other/Unknown	The pedestrian was struck in another or unknown location by a vehicle that was backing with a driver at the controls.
220	Driverless Vehicle	The pedestrian was struck by a vehicle that was moving without a driver at the controls or that was set in motion by the actions of a child.

**Table 10. Pedestrian Crash Type Definitions (continued)**

Crash_Type_Basic (Crash Type Number)	Crash_Type_Description (Crash Type Description)	Definition
230	Disabled Vehicle-Related	The pedestrian was struck while near or next to a disabled vehicle (including a vehicle that had been in a crash) or while walking to or from a disabled vehicle. <b>Note: Crashes involving pedestrians standing near tow trucks responding to the disabled vehicle are also included in this crash type.</b>
240	Emergency Vehicle-Related	The pedestrian was struck while near an active emergency vehicle, by an active emergency vehicle, or by a vehicle being pursued.
250	Play Vehicle-Related	The pedestrian was struck while riding a play vehicle that was <b>not</b> a bicycle (e.g., skates, scooter, wagon, sled, etc.).
311	Working in Roadway	The pedestrian was working in the roadway when struck.
312	Playing in Roadway	The pedestrian was playing in the roadway when struck.
313	Lying in Roadway	The pedestrian was lying in the roadway when struck.
320	Entering/Exiting Parked Vehicle	The pedestrian was in the process of getting into or out of a stopped or parked vehicle. <b>Note: Does not include crashes involving pedestrian crossing or other movements that occurred after the pedestrian exited the vehicle.</b>
330	Mailbox-Related	Going to/from or standing at a mailbox or newspaper box.
341	Commercial Bus-Related	The pedestrian was struck crossing in front of a commercial bus stopped at a marked bus stop.
342	School Bus-Related	The pedestrian was struck going to or from or waiting at a school bus or school bus stop.
360	Ice Cream/Vendor Truck-Related	The pedestrian was struck going to or from an ice cream truck or other type of vehicle vending from the curb or roadside.
410	Walking Along Roadway With Traffic—From Behind	The pedestrian was walking/running along the roadway with traffic and was struck from behind.
420	Walking Along Roadway With Traffic—From Front	The pedestrian was walking/running along the roadway with traffic and was struck from the front.
430	Walking Along Roadway Against Traffic—From Behind	The pedestrian was walking/running along the roadway against traffic and was struck from behind.



**Table 10. Pedestrian Crash Type Definitions (continued)**

Crash_Type_Basic (Crash Type Number)	Crash_Type_Description (Crash Type Description)	Definition
440	Walking Along Roadway Against Traffic—From Front	The pedestrian was walking/running along the roadway against traffic and was struck from the front.
459	Walking Along Roadway— Direction/Position Unknown	The pedestrian was walking/running along the roadway, but there is insufficient information to determine either the position or direction of the pedestrian at the time of the crash.
460	Motorist Entering Driveway or Alley	The motor vehicle was turning into a driveway or alley and struck the pedestrian on a sidewalk/walkway or driveway crossing.
465	Motorist Exiting Driveway or Alley	The motor vehicle was exiting a driveway or alley and struck the pedestrian on a sidewalk/walkway or driveway crossing.
469	Driveway Crossing— Other/Unknown	The pedestrian was on a driveway intersection when struck but there were other or unknown circumstances surrounding the crash from those described .
510	Waiting to Cross—Vehicle Turning	The pedestrian was standing near the curb or roadway edge and waiting to cross the roadway when struck by a turning vehicle.
520	Waiting to Cross—Vehicle Not Turning	The pedestrian was standing near the curb or roadway edge and waiting to cross the roadway when struck by a vehicle that was not turning.
590	Waiting to Cross—Vehicle Action Unknown	The pedestrian was standing near the curb or roadway edge and waiting to cross the roadway when struck by a vehicle, but it could not be determined if the vehicle was turning or not.
610	Standing in Roadway	The pedestrian was standing in the roadway prior to the crash, but the crash cannot be further classified.
620	Walking in Roadway	The pedestrian was walking in the roadway prior to the crash, but the crash cannot be further classified.
680	Nonintersection— Other/Unknown	The crash occurred at a nonintersection location, but the actions of the pedestrian prior to the crash cannot be determined.
690	Intersection— Other/Unknown	The crash occurred at an intersection, but the actions of the pedestrian prior to the crash cannot be determined or it cannot be determined who failed to yield.

**Table 10. Pedestrian Crash Type Definitions (continued)**

Crash_Type_Basic (Crash Type Number)	Crash_Type_Description (Crash Type Description)	Definition
710	Multiple Threat	The pedestrian entered the traffic lane in front of stopped or slowing traffic and was struck by a vehicle traveling in the same direction as the stopped or slowing traffic.
730	Trapped	The pedestrian was struck while crossing at a signalized intersection <b>or signalized mid-block crossing</b> when the light changed and traffic started moving.
741	Dash	The pedestrian <b>ran</b> into the roadway and was struck by a vehicle whose view of the pedestrian was not obstructed.
742	Dart-Out	The pedestrian walked or ran into the roadway and was struck by a motorist whose view of the pedestrian was blocked until an instant before impact.
760	Pedestrian Failed to Yield	The pedestrian failed to yield to the motorist.
770	Motorist Failed to Yield	The motorist failed to yield to the pedestrian.
781	Motorist Left Turn— Parallel Paths	The motorist was initially traveling on a parallel path with the pedestrian before making a left turn and striking the individual.
782	Motorist Left Turn— Perpendicular Paths	The motorist was initially traveling on a crossing path with the pedestrian before making a left turn and striking the individual.
791	Motorist Right Turn— Parallel Paths	The motorist was initially travelling on a parallel path with the pedestrian before making a right turn and striking the individual
792	Motorist Right Turn on Red—Parallel Paths	The motorist was initially traveling on a parallel path with the pedestrian before making a right turn on a red signal, and striking the individual.
794	Motorist Right Turn on Red—Perpendicular Paths	The motorist was initially traveling on a crossing path with the pedestrian before making a right turn on a red signal, and striking the individual.
795	Motorist Right Turn— Perpendicular Paths	The motorist was initially travelling on a crossing path with the pedestrian before making a right turn and striking the individual.
799	Motorist Turn/Merge— Other/Unknown	The motorist turned or merged, but either the approach paths or turn direction are unknown or do not fit with any of the described circumstances.
830	Off Roadway—Parking Lot	The motor vehicle struck a pedestrian in a parking lot.
890	Off Roadway— Other/Unknown	The motor vehicle struck a pedestrian off the roadway, but there were other or unknown circumstances surrounding the crash.

**Table 10. Pedestrian Crash Type Definitions (*continued*)**

<b>Crash_Type_Basic (Crash Type Number)</b>	<b>Crash_Type_Description (Crash Type Description)</b>	<b>Definition</b>
900	Other—Unknown Location	There is insufficient information to determine where the crash occurred.
910	Crossing an Expressway	The pedestrian was crossing a limited access expressway or expressway ramp.

**Table 11. Pedestrian Crash Group Definitions**

<b>Crash_Group_Basic (Crash Group Number)</b>	<b>Crash_Group_Desc (Crash Group Description)</b>	<b>Definition</b>
100	Unusual Circumstances	The crash involved a disabled vehicle, emergency vehicle or vehicle in pursuit, play vehicle, driverless vehicle, or the pedestrian was struck intentionally, was clinging to a vehicle, or was struck as a result of other unusual circumstances.
200	Backing Vehicle	The pedestrian was struck by a vehicle that was backing at the time.
310	Working or Playing in Roadway	The pedestrian was working or playing in the roadway.
340	Bus-Related	The pedestrian was struck while crossing/walking to a bus or bus stop or while waiting at a bus stop.
350	Unique Midblock	The crash was associated with a vendor truck, mailbox, or other roadside 'destination' that was not a bus, or the pedestrian was struck while entering or exiting a parked vehicle.
400	Walking Along Roadway	The pedestrian was standing or walking along the roadway on the edge of a travel lane, or on a shoulder or sidewalk.
460	Crossing Driveway or Alley	The pedestrian was crossing a driveway on a sidewalk crossing, shared-use path, shoulder, or edge of the travel lane.
500	Waiting to Cross	The pedestrian was standing on the curb or near the roadway edge waiting to cross the roadway when struck.
600	Pedestrian in Roadway— Circumstances Unknown	The pedestrian was standing, walking, or lying in the road right-of-way at an intersection or midblock location but the circumstances do not otherwise fit any previously described or are unknown.
720	Multiple Threat/Trapped	The pedestrian entered the roadway on a green signal or in front of standing or slowing traffic and was trapped when the signal changed and traffic started moving or was struck by a vehicle traveling in the same direction as the stopped traffic. Note: Multiple threat may occur at nonsignalized locations.
740	Dash/Dart-Out	The pedestrian either ran into the roadway in front of a motorist whose view of the pedestrian was not obstructed or walked or ran into the road and was struck by a motorist whose view of the pedestrian was blocked until an instant before impact.

**Table 11. Pedestrian Crash Group Definitions (continued)**

<b>Crash_Group_Basic (Crash Group Number)</b>	<b>Crash_Group_Desc (Crash Group Description)</b>	<b>Definition</b>
750	Crossing Roadway— Vehicle Not Turning	The pedestrian was struck while crossing the roadway (not an expressway) by a vehicle that was traveling straight through.
790	Crossing Roadway— Vehicle Turning	The pedestrian was struck while crossing a non-expressway road by a vehicle that was turning or about to turn.
800	Off Roadway	The pedestrian was struck in a parking lot, driveway, open area or other or unknown, nonroadway area (vehicle not backing).
910	Crossing Expressway	The pedestrian was on an expressway or expressway ramp when struck by a motor vehicle.
990	Other/Unknown— Insufficient Details	The circumstances do not clearly fit any of the situations described or are unknown.

**Table 12. Bicyclist Crash Type Definitions**

<b>Crash_Type_Basic (Crash Type Number)</b>	<b>Crash_Type_Desc (Crash Type Description)</b>	<b>Definition</b>
111	Motorist Turning Error—Left Turn	The motorist made a left turn, cut the corner and entered the opposing traffic lane.
112	Motorist Turning Error—Right Turn	The motorist made a right turn, swung too wide and entered the opposing traffic lane.
113	Motorist Turning Error—Other	The motorist made another type of turning error which led them into the path of the bicyclist.
114	Bicyclist Turning Error—Left Turn	The bicyclist made a left turn, cut the corner and entered the opposing traffic lane.
115	Bicyclist Turning Error—Right Turn	The bicyclist made a right turn, swung too wide and entered the opposing traffic lane.
116	Bicyclist Turning Error—Other	The bicyclist made another type of turning error which led them into the path of the motorist.
121	Bicyclist Lost Control—Mechanical Problems	The bicyclist lost control due to mechanical problems.
122	Bicyclist Lost Control—Oversteering, Improper Braking, Speed	The bicyclist lost control due to oversteering, improper braking, or speed too fast for conditions.
123	Bicyclist Lost Control—Alcohol/Drug Impairment	The bicyclist lost control due to alcohol or drug impairment.
124	Bicyclist Lost Control—Surface Conditions	The bicyclist lost control due to surface conditions (sand, debris, potholes, ice, etc.).
129	Bicyclist Lost Control—Other/Unknown	The bicyclist lost control due to other or unknown circumstances.
131	Motorist Lost Control—Mechanical Problems	The motorist lost control due to mechanical problems.
132	Motorist Lost Control—Oversteering, Improper Braking, Speed	The motorist lost control due to oversteering, improper braking, or speed too fast for conditions.

**Table 12. Bicyclist Crash Type Definitions (continued)**

<b>Crash_Type_Basic (Crash Type Number)</b>	<b>Crash_Type_Desc (Crash Type Description)</b>	<b>Definition</b>
133	Motorist Lost Control— Alcohol/Drug Impairment	The motorist lost control due to alcohol or drug impairment.
134	Motorist Lost Control—Surface Conditions	The motorist lost control due to surface conditions (potholes, ice, etc.).
139	Motorist Lost Control— Other/Unknown	The motorist lost control due to other or unknown circumstances.
141	Motorist Drive-out Sign- Controlled Intersection	The motorist was facing the sign or flashing signal and drove into the crosswalk area or intersection and collided with the bicyclist after stopping or yielding.
142	Bicyclist Ride-out—Sign- Controlled Intersection	The bicyclist was facing the sign or flashing signal and rode into the intersection and collided with the motorist after stopping or yielding.
143	Motorist Drive-through—Sign- Controlled Intersection	The motorist violated the sign or flashing signal and drove into the crosswalk area or intersection and collided with the bicyclist.
144	Bicyclist Ride Through Sign- Controlled Intersection	The bicyclist violated the sign or flashing signal and rode into the intersection and collided with the motorist.
147	Multiple Threat—Sign- Controlled Intersection	The bicyclist entered a sign-controlled intersection in front of standing or slowing traffic and was struck by another vehicle whose view of the bicyclist was blocked.
148	Sign-Controlled Intersection— Other/Unknown	The crash occurred at a sign-controlled intersection but cannot be further classified.
151	Motorist Drive-out—Right Turn on Red	The motorist was facing a red signal, stopped, and then drove into the crosswalk area or intersection and collided with the bicyclist while attempting to make a right turn on red.
152	Motorist Drive-out—Signalized Intersection	The motorist was facing a red signal, stopped, and then drove into the crosswalk area or intersection and collided with the bicyclist.
153	Bicyclist Ride-out—Signalized Intersection	The bicyclist was facing the red signal, stopped, and then rode into the intersection and collided with the motorist.
154	Motorist Drive-through— Signalized Intersection	The motorist violated the signal and drove into the crosswalk area or intersection and collided with the bicyclist.

**Table 12. Bicyclist Crash Type Definitions (continued)**

Crash_Type_Basic (Crash Type Number)	Crash_Type_Desc (Crash Type Description)	Definition
155	Bicyclist Ride Through— Signalized Intersection	The bicyclist violated the signal and rode into the intersection and collided with the motorist.
156	Bicyclist Failed to Clear— Trapped	The bicyclist lawfully entered the intersection on green but did not clear the intersection before the signal changed to green for the cross-street traffic and was struck by a vehicle whose view was not obstructed by standing or stopped traffic.
157	Bicyclist Failed to Clear— Multiple Threat	The bicyclist lawfully entered the intersection on green but did not clear the intersection before the signal changed to green for the cross-street traffic and was struck by a motorist whose view of the bicyclist was obstructed by standing or stopped traffic.
158	Signalized Intersection— Other/Unknown	The crash occurred at a signal-controlled intersection but cannot be further classified.
159	Bicyclist Failed to Clear— Unknown	The bicyclist failed to clear the intersection and was struck by a motorist, but it is unknown whether the bicyclist was trapped in the intersection by a signal change or if there was a multiple threat situation or other circumstances surrounding the crash.
160	Crossing Paths—Uncontrolled Intersection	The crash occurred at an intersection not controlled by signs or signals.
180	Crossing Paths—Intersection— Other/Unknown	The crash involved a bicyclist and motorist on initial crossing paths but cannot be further classified.
211	Motorist Left Turn—Same Direction	The motorist turned left in front of a bicyclist going in the same direction.
212	Motorist Left Turn—Opposite Direction	The motorist turned left in front of a bicyclist coming from the opposite direction.
213	Motorist Right Turn—Same Direction	The motorist turned right in front of a bicyclist going in the same direction.
214	Motorist Right Turn—Opposite Direction	The motorist turned right in front of a bicyclist coming from the opposite direction.
215	Motorist Drive-in/Out—Parking	The motorist struck the bicyclist while exiting or entering on-street parking.



**Table 12. Bicyclist Crash Type Definitions (continued)**

Crash_Type_Basic (Crash Type Number)	Crash_Type_Desc (Crash Type Description)	Definition
216	Bus/Delivery Vehicle Pullover	The bicyclist was struck by a bus or delivery vehicle pulling into or away from the curb.
217	Motorist Right Turn on Red— Same Direction	The bicyclist and motorist were initially traveling on parallel paths when the motorist turned right on red in front of a bicyclist traveling in the same direction as the motorist.
218	Motorist Right Turn on Red— Opposite Direction	The bicyclist and motorist were initially traveling on parallel paths when the motorist turned right on red in front of a bicyclist traveling in the opposite direction as the motorist.
219	Motorist Turn/Merge— Other/Unknown	The motorist's turning maneuver is other than those described or is unknown.
221	Bicyclist Left Turn—Same Direction	The bicyclist turned or merged left in front of a motorist going in the same direction.
222	Bicyclist Left Turn—Opposite Direction	The bicyclist turned or merged left in front of a motorist coming from the opposite direction.
223	Bicyclist Right Turn—Same Direction	The bicyclist turned or merged right in front of a motorist going in the same direction.
224	Bicyclist Right Turn—Opposite Direction	The bicyclist turned or merged right in front of a motorist coming from the opposite direction.
225	Bicyclist Ride-out—Parallel Path	The bicyclist, initially on a sidewalk or other parallel path, rode into the roadway and into the path of a motor vehicle.
231	Motorist Overtaking— Undetected Bicyclist	The motorist was overtaking the bicyclist and failed to detect the bicyclist.
232	Motorist Overtaking— Misjudged Space	The motorist was overtaking the bicyclist and misjudged the width and distance required to pass the bicyclist.
235	Motorist Overtaking—Bicyclist Swerved	The bicyclist swerved or moved suddenly into the path of an overtaking vehicle.
239	Motorist Overtaking— Other/Unknown	The motorist was overtaking the bicyclist, but the specific circumstances surrounding the overtaking maneuver do not conform to the other situations described or are unknown.

**Table 12. Bicyclist Crash Type Definitions (continued)**

<b>Crash_Type_Basic (Crash Type Number)</b>	<b>Crash_Type_Desc (Crash Type Description)</b>	<b>Definition</b>
241	Bicyclist Overtaking—Passing on Right	The bicyclist struck a motor vehicle in the travel lane while passing on the right.
242	Bicyclist Overtaking—Passing on Left	The bicyclist struck a motor vehicle in the travel lane while passing on the left.
243	Bicyclist Overtaking—Parked Vehicle	The bicyclist struck a parked vehicle while passing.
244	Bicyclist Overtaking—Extended Door	The bicyclist struck an extended door on a parked vehicle while passing.
249	Bicyclist Overtaking—Other/Unknown	The specific circumstances surrounding the overtaking maneuver of the bicyclist do not conform to any of the situations described or are unknown.
250	Head-On—Bicyclist	The bicyclist was traveling the wrong way/wrong side and the two parties collided head-on.
255	Head-On—Motorist	The motorist was traveling the wrong way/wrong side and the two parties collided head-on.
259	Head-On—Unknown	The two parties collided head-on but it is unknown which party was traveling on the wrong side.
280	Parallel Paths—Other/Unknown	The crash involved a bicyclist and motorist on initial parallel paths but cannot be further classified.
311	Bicyclist Ride-out—Residential Driveway	The bicyclist rode into the roadway and into the path of a motor vehicle from a residential driveway.
312	Bicyclist Ride-out—Commercial Driveway/Alley	The bicyclist rode into the roadway and into the path of a motor vehicle from a commercial driveway or alley.
318	Bicyclist Ride-out—Other Midblock	The bicyclist rode into the roadway and into the path of a motor vehicle from a midblock area other than a driveway or alley.
319	Bicyclist Ride-out—Midblock—Unknown	The bicyclist rode into the roadway and into the path of a motor vehicle from an unknown midblock location.
321	Motorist Drive-out—Residential Driveway	The motorist drove into the roadway or sidewalk/driveway crossing area and into the path of a bicyclist from a residential driveway.

**Table 12. Bicyclist Crash Type Definitions (continued)**

<b>Crash_Type_Basic (Crash Type Number)</b>	<b>Crash_Type_Desc (Crash Type Description)</b>	<b>Definition</b>
322	Motorist Drive-out— Commercial Driveway/Alley	The motorist drove into the roadway or sidewalk/driveway crossing area and into the path of a bicyclist from a commercial driveway or alley.
328	Motorist Drive-out—Other Midblock	The motorist drove into the roadway or sidewalk/driveway crossing area and into the path of a bicyclist from a midblock area other than a driveway or alley.
329	Motorist Drive-out— Midblock—Unknown	The motorist drove into the roadway or sidewalk/driveway crossing area and into the path of a bicyclist an unknown midblock area.
357	Multiple Threat—Midblock	The bicyclist entered the roadway in front of standing or slowing traffic at a mid-block location and was struck by a motorist traveling in the same direction as the stopped traffic, and whose view of the bicyclist was blocked.
380	Crossing Paths—Midblock— Other/Unknown	The crash involved a bicyclist and motorist on initial crossing paths at a midblock location but cannot be further classified.
400	Bicycle Only	The crash involved a bicycle but no motor vehicle.
510	Motorist Intentionally Caused	The motorist intentionally caused the crash.
520	Bicyclist Intentionally Caused	The bicyclist intentionally caused the crash.
600	Backing Vehicle	The crash involved a motor vehicle that was backing and did not involve a play vehicle.
700	Play Vehicle-Related	The bicyclist was riding a child's vehicle such as a tricycle (not an adult tricycle), bicycle with training wheels, or "Big Wheel" type tricycle.
800	Unusual Circumstances	There were other unusual circumstances not defined above (e.g., bicyclist struck by falling cargo).
910	Nonroadway	The crash occurred off the street network (e.g., parking lots, driveways, alleys, trails, and other open areas). <b>Note: crashes occurring on paved shoulders, bike lanes, sidewalks, or driveway crossings are considered to be "roadway" crashes and should not be placed in the nonroadway classification.</b>
970	Unknown Approach Paths	There is insufficient information to determine the initial approach paths for the two vehicles.
980	Unknown Location	There is insufficient information to determine where the crash occurred.

**Table 13. Bicyclist Crash Group Definitions**

Crash_Group_Basic (Crash Group Number)	Crash_Group_Desc (Crash Group Description)	Definition
110	Loss of Control/Turning Error	Either the motorist or the bicyclist lost control of their vehicle or made a turning error and inadvertently moved into the path of the other operator. <b>Note: Includes loss of control due to mechanical problems or operator error, or turning errors such as traveling into the opposing lane.</b>
140	Motorist Failed to Yield—Sign-Controlled Intersection	The motorist drove into the crosswalk area or intersection and collided with the bicyclist. The motorist either violated the sign or did not properly yield right-of-way to the bicyclist. <b>Note: Crashes at traffic circles or roundabouts with yield control are included here.</b>
145	Bicyclist Failed to Yield—Sign-Controlled Intersection	The bicyclist rode into the intersection and collided with the motorist. The bicyclist either violated the sign or did not properly yield right-of-way to the motorist. <b>Note: Crashes at traffic circles or roundabouts with yield control are included here.</b>
150	Motorist Failed to Yield—Signalized Intersection	The motorist drove into the crosswalk area or intersection and collided with the bicyclist. The motorist either violated the signal or did not properly yield right-of-way to the bicyclist.
158	Bicyclist Failed to Yield—Signalized Intersection	The bicyclist rode into the intersection and collided with the motorist. The bicyclist either violated the signal or did not properly yield right-of-way to the motorist.
190	Crossing Paths—Other Circumstances	The bicyclist and motorist were on initial crossing paths, but the crash cannot be further classified.
210	Motorist Left Turn/Merge	The motorist made a left turn or merge into the path of a bicyclist traveling in the same or opposite direction.
215	Motorist Right Turn/Merge	The motorist made a right turn or merge into the path of a bicyclist traveling in the same or opposite direction.
219	Parking/Bus-Related	The bicyclist was struck by a motorist entering or exiting a parking space or by a bus or delivery vehicle pulling into or away from the curb.
220	Bicyclist Left Turn/Merge	The bicyclist made a left turn or merge into the path of a motor vehicle traveling in the same or opposite direction.

**Table 13. Bicyclist Crash Group Definitions (continued)**

Crash_Group_Basic (Crash Group Number)	Crash_Group_Desc (Crash Group Description)	Definition
225	Bicyclist Right Turn/Merge	The bicyclist made a right turn or merge into the path of a motor vehicle traveling in the same or opposite direction.
230	Motorist Overtaking Bicyclist	The motorist was overtaking the bicyclist at the time of the crash.
240	Bicyclist Overtaking Motorist	The bicyclist was overtaking the motorist at the time of the crash. <b>Note: This group includes crashes involving bicyclists striking parked cars or extended doors.</b>
258	Head-On	Either operator was going the wrong way, and the two parties collided head-on.
290	Parallel Paths—Other Circumstances	The bicyclist and motorist were on initial parallel paths, but the crash cannot be further classified.
310	Bicyclist Failed to Yield— Midblock	The bicyclist rode into the street from a nonintersection location (including residential or commercial driveway or other midblock location) without yielding to the motorist.
320	Motorist Failed to Yield— Midblock	The motorist drove across the sidewalk or into the street from a nonintersection location (including residential or commercial driveway or other midblock location) without yielding to the bicyclist.
600	Backing Vehicle	The motorist was backing up at the time the crash occurred.
850	Other/Unusual Circumstances	There were unusual circumstances surrounding the crash, but the crash cannot be further classified.
910	Nonroadway	The crash occurred off the road network such as in a parking lot, driveway, on a multi-use path separated from the road right-of-way, in an open grassy area or yard, etc.
990	Other/Unknown— Insufficient Details	There is insufficient information to determine where the crash occurred.



## **APPENDIX G: CRASH TYPING EXAMPLES**

Contained in this appendix are 10 pedestrian crash reports and 10 bicycle crash reports that have been typed using PBCAT. These reports may be used as case study exercises for training on how to type crashes with the software. Provided at the end of each set of reports are the sequence of onscreen questions/directives encountered during the crash typing process and the correct responses. The answers shown are based on standard crash typing, not group typing. The report numbers that correspond to the answer sheets are found in the upper right-hand corner of the crash reports.

## Accident Sequence Codes

<b>6. Vehicle Maneuver/</b>  <b>Pedestrian Action:</b> <b>VEHICLE</b> 1. Stopped in travel lane 2. Parked out of travel lanes 3. Parked in travel lanes 4. Going straight ahead 5. Changing lanes or merging 6. Passing 7. Making right turn 8. Making left turn 9. Making U turn 10. Backing 11. Slowing or stopping 12. Starting in roadway 13. Parking 14. Leaving parked position 15. Avoiding object in road 16. Other (describe)  <b>PEDESTRIAN</b> 17. Crossing at intersection 18.. Crossing not at. intersection 19. Coming from behind parked vehicle 20. Walking with traffic 21. Walking against traffic 22. Getting on or off vehicle 23. Standing in road 24. Working in road 25. Playing in road 26. Lying in road 27. Other in road 28. Not in road	<b>7. First Harmful Event:</b>  <b>RAN OFF ROAD</b> 1. Right 2. Left 3. Straight ahead  <b>NON-COLLISION</b> 4. Overturn 5. Other  <b>COLLISION OF MV WITH</b> 6. Pedestrian 7. Parked vehicle 8. Train 9. Bicycle 10 Moped 11. Animal 12. Fixed object 13. Other object  <b>COLLISION OF MV WITH ANOTHER VEHICLE</b> 14. Rear end, slow or stop 15. Rear end, turn 16. Left turn, same roadway 17. Left turn, different roadways 18. Right turn same roadway 19. Right turn, different roadways 20. Head on 21. Sideswipe 22. Angle 23. Backing	<b>8. OBJECT STRUCK (excluding another MV in traffic)</b> 1. None 2. Parked vehicle 3. Bicycle, moped 4. Pedestrian 5. Animal 6. Tree 7. Utility pole (with or without light) 8 Luminaire pole (non-breakaway) 9 Luminaire pole ( breakaway) 10. Official highway sign (non-breakaway) 11. Official highway sign (breakaway) 12. Commercial sign 13. Guardrail end on shoulder 14. Guardrail face on shoulder 15 Guardrail end in median 16. Guardrail face in median  <b>Non-Guardrail:</b> 17. Shoulder barrier end 18. Shoulder barrier face 19. Median barrier end 20 Median barrier face 21. Bridge rail end 22. Bridge rail face 23. Overhead part of underpass 24. Pier on shoulder of underpass 25. Pier in median of underpass 26. Abutment (supporting wall of underpass) 27. Curb, median or traffic island	28. Catch basin or culvert on shoulder 29. Catch basin or culvert in median 30. Ditch bank 31 Mailbox 32, Fence or fence post 33. Construction barrier 34. Crash cushion 35. Other object (Write in narrative)  <b>9. DISTANCE TO OBJECT STRUCK</b> 1. In road 2. Right of road, 0-10 ft. 3. Right of road, 11-30 ft. 4. Right of road, over 30 ft. 5. Left of road, 0-10 ft. 6. Left of road, 11-30 ft. 7. Left of road, over 30 ft. 8. None or N/A 9. Straight ahead, 0- 10 ft. 10. Straight ahead, 11 -30 ft. 11. Straight ahead, over 30 ft.  <b>10. VEHICLE DEFECTS</b> I Defective brakes 2 Defective headlights 3. Defective rearlights 4 Detective steering 5. Defective tires 6 Other defects 7. Not known if defective 8. No defects detected	
<b>1. Vision Obstruction</b> 1. None 2. Vehicle windows 3. Trees, crops, brush, etc. 4. Building(s) 5. Embankment 6. Sign(s) 7. Hillcrest 8. Parked Vehicle(s) 9. Moving Vehicle(s) 10. Blinded, headlights 11. Blinded, sunlight 12. Blinded, other lights 13. Other (write in narrative) 14. Unknown  <b>2. Physical Condition</b> 1. Normal 2. Ill 3. Fatigued 4. Asleep 5. Impairment due to medicine, alcohol, or drugs 6. Other physical impairment 7. Restriction not compiled with 8. Condition not known  <b>3. INTOXICATION</b> 1. Had not been drinking 2. Drinking--test given 3. Drinking--test refused 4. Unknown	5. Drinking--no test  <b>4. INJURY CLASS</b> K-Killed A-Incapacitating B-Nonincapacitating C-No visible-But complaint of pain O-No injury  <b>5. Belt/Helmet</b> 1. None or not used 2. Lap only 3. Lap and shoulder 4. Child restraint system 7. If motorcycle, Helmet in use 9. Unable to determine	4. Driveway private 5. Alley Intersection 6. Intersection of roadways 7. Non-Intersection median crossing 8. End or beginning of divided highway 9. Interchange ramp 10. Interchange service road 11. Railroad crossing 12. Tunnel 13. Other (write in narrative) 14. No special feature  <b>14. Road Character</b> 1. Straight, level 2. Staight, hillcrest 3. Straight, grade 4. Straight, bottom (sag) 5. Curve, level 6. Curve, hillcrest 7. Curve, grade 8. Curve, bottom (sag)  <b>15. Road Class</b> 1. Interstate 2. U.S. Route 3. N.C. Route 4. State secondary route 5. Local street 6. Public vehicular area 7. Private road, property or driveway  <b>16. Number of Lanes</b> Enter "0" if parking lot	<b>17. Road configuration</b> 1. Undivided, one-way 2. Undivided, two-way 3. Divided  <b>18. Road Surface</b> 1. Concrete 2. Grooved concrete 3. Smooth Asphalt 4. Coarse Asphalt 5. Gravel 6. Sand 7. Soil 8. Other  <b>19. Road Defects</b> 1. Loose material on surface 2. Holes, deep ruts 3. Low shoulders 4. Soft shoulders 5. Other defects 6. Under construction with defects 7. No defects 8. Under construction, no defects  <b>20. Road Condition</b> 1. Dry 2. Wet 3. Muddy 4. Snowy 5. Icy 6. Other (write in narrative)	<b>21. Light Condition</b> 1. Daylight 2. Dusk 3. Dawn 4. Darkness (street lighted) 5. Darkness (not street lighted)  <b>22. Weather</b> 1. Clear 2. Cloudy 3. Raining 4. Snowing 5. Fog, smog, smoke, dust 6. Sleet or hail  <b>23. Traffic Control</b> 1. Stop sign 2. Yield sign 3. Stop and go signal 4. Flashing signal with stop sign 5. Flashing signal without stop sign 6. RR gate and flasher 7. RR Flasher 8. RR crossbucks only 9. Human control 10. Other (write in narrative) 11. No control present

Figure 131. Codes for North Carolina Commission Report Forms





Circumstances Contributing to the Collision (Check as many as apply)										Vehicle 1							
Driver 1 2		Driver 1 2		Driver 1 2		Driver 1 2		Driver 1 2		Removed to _____							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	by _____							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Authority _____							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vehicle 2							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removed to _____							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	by _____							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Authority _____							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Hit and Run</i>							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Vehicle 1 was traveling										<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input checked="" type="checkbox"/> W	on		PVA	Report Number 1
Vehicle 1 was traveling										<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	on			
<b>DIAGRAM</b>																	
<p style="text-align: center;">INDICATE NORTH</p>																	
<b>DESCRIPTION</b>																	
<p><b>VEHICLE #1 (UNKNOWN) BACKED FROM THE PARKING SPACE AND STRUCK LISTED PEDESTRIAN. THE VEHICLE THEN, WITHOUT STOPPING, DEPARTED THE PARKING AREA. THE PEDESTRIAN WAS PUSHING SHOPPING CARTS ACROSS THE PARKING LOT WHEN HE WAS STRUCK.</b></p>																	

**Figure 132. North Carolina Crash Report—Number 1 (continued)**

Date 4/1/91 Month Day Year		Day of Week MONDAY		County GUILFORD		Time 16:12 (24 hr. Clock)		Local Use/Patrol Areas		REPORT NUMBER NUMBER 2	
Location	Collision Occurred <input checked="" type="checkbox"/> In <input type="checkbox"/> Near		GREENSBORO Municipality				or _____ Miles		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	Outside Municip.	
	Private property (parking lot)		(R.R. Crossing # _____)		_____ Miles		25 ft. <input type="checkbox"/> N <input checked="" type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		(0 ft-intersection)		
	at or from		Hardie Street		_____ toward		Patterson St.				
	Use Highway Number, Street Name, or Adjacent County or State Line		Use Highway Number, Street Name, or Adjacent County or State Line								
<input checked="" type="checkbox"/> Vehicle 1 <input type="checkbox"/> Hit & Run						<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other					
1. Vision Obstruction		1		2. Physical Condition		1		1. Vision Obstruction		14	
3. Intoxication		1		Restrictions		None		3. Intoxication		4	
Veh. Year		86		Veh. Make		Chevy		Veh. Type Code		P	
Commercial Vehicle		<input type="checkbox"/>		Trailer Type Code		_____		Commercial Vehicle		<input type="checkbox"/>	
Air Bag Deployed		<input type="checkbox"/>		1st Trailer No. of Axles		_____		Air Bag Deployed		<input type="checkbox"/>	
Passenger		<input checked="" type="checkbox"/>		Width		_____ inches		Passenger		<input type="checkbox"/>	
Vehicle Driveable		<input checked="" type="checkbox"/>		Length		_____ feet		Vehicle Driveable		<input type="checkbox"/>	
Post Crash File		<input type="checkbox"/>		2nd Trailer No. of Axles		_____		Post Crash File		<input type="checkbox"/>	
Rollover		<input type="checkbox"/>		Width		_____ inches		Rollover		<input type="checkbox"/>	
Hazardous Cargo		<input type="checkbox"/>		Length		_____ feet		Hazardous Cargo		<input type="checkbox"/>	
Spilled		<input checked="" type="checkbox"/>		TAD		None		Spilled		<input type="checkbox"/>	
Crossed Median		<input type="checkbox"/>		Est. Damage \$		0		Crossed Median		<input type="checkbox"/>	
OCCUPANT SECTION INSTRUCTIONS: Give injury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).											
Driver 1				Driver 2, Pedestrian, Other							
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age		
Left Front	0	3	W/F	20	Left Front	B	N/A	W/M	20		
Center Front					Center Front						
Right Front	0	1	O/M	39	Right Front						
Left Front					Left Front						
Center Rear					Center Rear						
Right Rear					Right Rear						
Total No. Occupants		2		Total Number Injured		0		Total No. Occupants		N/A	
Ambulance Requested		No		If yes, Ambulance Arrived At				(24 Hour Clock)			
Injured Take to				Serviced by							
Points of Initial Contact (write in codes)											
Veh. 1	Veh. 2										
21	Ped										
Accident Sequence		Veh. 1		Veh. 2 or Ped.		0. No Contact 25. Rollover 26. Unknown Underneath: 22. Front 23. Center 24. Rear		Roadway Information		19. Road Defects	
6. Vehicle Maneuver/ Ped Action		4		23				11. Locality		3	
7. First Harmful Event		6		6 (23)		Speed Limit (each vehicle)		12. Development Type		2	
7. Most Harmful Event		6 (21)		6 (23)		Estimated Original Traveling Speed		13. Road Feature		4	
8. Object Struck		4				Speed		14. Road Character		1	
9. Distance to Object Struck		2				Estimated Speed at Impact		15. Road Class		7	
10. Vehicle Defects		7				Tire Impression Before Impact (ft.)		16. Number of Lanes		0	
						Distance Traveled After Impact (ft)		17. Road Config.		2	
						unk.		18. Road Surface		5	
								20. Road Condition		1	
								21. Light Condition		1	
								22. Weather		1	
								23. Traffic Control		11	
								Operating?		N	
								Visible?		N	

Figure 133. North Carolina Crash Report—Number 2



Date 4/1/91 Month Day Year	Day of Week MONDAY	County GUILFORD	Time 17:45 (24 hr. Clock)	Local Use/Patrol Areas	REPORT NUMBER NUMBER 3				
Location: <input checked="" type="checkbox"/> Collision Occurred <input type="checkbox"/> In <input type="checkbox"/> Near <u>GREENSBORO</u> Municipality or _____ Miles <input type="checkbox"/> N <input type="checkbox"/> E Outside <input type="checkbox"/> S <input type="checkbox"/> W Municip.									
Station: <u>205 Franklin Blvd.</u> (R.R. Crossing # _____) _____ Miles <u>178</u> ft. <input checked="" type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W Direction: <u>Hahns Lane</u> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> toward <u>E. Market St.</u> Use Highway Number, Street Name, or Adjacent County or State Line									
<input checked="" type="checkbox"/> Vehicle 1 <input type="checkbox"/> Hit & Run			<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other						
1. Vision Obstruction <u>1</u>		2. Physical Condition <u>1</u>		1. Vision Obstruction <u>1</u>		2. Physical Condition <u>1</u>			
3. Intoxication <u>1</u>		Restrictions <u>None</u>		3. Intoxication <u>1</u>		Restrictions _____			
Veh. Year <u>71</u>		Veh. Make <u>Volkswagon</u>		Veh. Year _____		Veh. Make _____			
Veh. Type Code <u>P</u>		Commercial Vehicle <input type="checkbox"/>		Veh. Type Code _____		Commercial Vehicle <input type="checkbox"/>			
Air Bag Deployed <input type="checkbox"/>		Trailer Type Code _____		Air Bag Deployed <input type="checkbox"/>		Trailer Type Code _____			
Passenger <input type="checkbox"/>		1st Trailer No. of Axles _____		Passenger <input type="checkbox"/>		1st Trailer No. of Axles _____			
Vehicle Driveable <input checked="" type="checkbox"/>		Width _____ inches		Vehicle Driveable <input type="checkbox"/>		Width _____ inches			
Post Crash File <input type="checkbox"/>		Length _____ feet		Post Crash File <input type="checkbox"/>		Length _____ feet			
Rollover <input type="checkbox"/>		2nd Trailer No. of Axles _____		Rollover <input type="checkbox"/>		2nd Trailer No. of Axles _____			
Hazardous Cargo <input type="checkbox"/>		Width _____ inches		Hazardous Cargo <input type="checkbox"/>		Width _____ inches			
Spilled <input type="checkbox"/>		Length _____ feet		Spilled <input type="checkbox"/>		Length _____ feet			
Crossed Median <input type="checkbox"/>		TAD <u>None</u>		Crossed Median <input type="checkbox"/>		TAD _____			
Est. Damage \$ <u>0</u>		Est. Damage \$ _____		Est. Damage \$ _____		Est. Damage \$ _____			
OCCUPANT SECTION INSTRUCTIONS: Give Injury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).									
Driver 1				Driver 2, Pedestrian, Other					
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age
Left Front	<u>0</u>	<u>3</u>	<u>B/M</u>	<u>23</u>	Left Front	<u>A</u>	<u>N/A</u>	<u>W/F</u>	<u>36</u>
Center Front					Center Front				
Right Front	<u>0</u>	<u>3</u>	<u>B/F</u>	<u>29</u>	Right Front				
Left Rear					Left Rear				
Center Rear					Center Rear				
Right Rear					Right Rear				
Total No. Occupants <u>2</u>		Total Number Injured <u>0</u>		Total No. Occupants <u>N/A</u>		Total Number Injured <u>1</u>			
Ambulance Requested <u>Yes</u>		If yes, Ambulance Arrived At _____ (24 Hour Clock)		Ambulance Requested _____		If yes, Ambulance Arrived At _____ (24 Hour Clock)			
Injured Take to <u>Cone Hospital 1200 N. Elm St. Greensboro</u>		Served by _____		Injured Take to _____		Served by _____			
Points of Initial Contact (write in codes)		Passenger Cars/Small Trucks		Tractor-Trailers		Motorcycle, Bicycle, or Moped			
Veh. 1	Veh. 2								
<u>0</u>	<u>Ped</u>								
Accident Sequence		Veh. 1		Veh. 2 or Ped.		Roadway Information		19. Road Defects	
6. Vehicle Manuever/ Ped Action		<u>4</u>		<u>28</u>		11. Locality <u>3</u>		<u>7</u>	
7. First Harmful Event		<u>5</u>		Speed Limit (each vehicle) <u>35</u>		12. Development Type <u>3</u>		20. Road Condition <u>1</u>	
7. Most Harmful Event		<u>6</u>		Estimated Original Traveling Speed <u>35</u>		13. Road Feature <u>14</u>		21. Light Condition <u>1</u>	
8. Object Struck		<u>4</u>		Estimated Speed at Impact <u>30</u>		14. Road Character <u>3</u>		22. Weather <u>1</u>	
9. Distance to Object Struck		<u>3</u>		Tire Impression Before Impact (ft.) <u>0</u>		15. Road Class <u>5</u>		23 Traffic Control <u>11</u>	
10. Vehicle Defects		<u>7</u>		Distance Traveled After Impact (ft) <u>0</u>		16. Number of Lanes <u>2</u>		17. Road Config. <u>2</u>	
						17. Road Config. <u>2</u>		Operating? <input type="checkbox"/>	
						18. Road Surface <u>3</u>		Visible? <input type="checkbox"/>	

Figure 134. North Carolina Crash Report—Number 3

Circumstances Contributing to the Collision (Check as many apply)												Vehicle 1	
												Removed to	
												by _____	
												Authority _____	
												Vehicle 1	
												Removed to	
												by _____	
												Authority _____	
Driver 1 2				Driver 1 2				Driver 1 2					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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Circumstances Contributing to the Collision (Check as many apply)										Vehicle 1	
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										Removed to _____	
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										Authority _____	
										Report Number 4	
Vehicle 1 was traveling <input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W on <i>Aversboro Rd.</i>											
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<b>DIAGRAM</b>											
<b>DESCRIPTION</b>											
<p>DRIVER #1 STATED THAT SHE STOPPED AT INTERSECTION, WAITED FOR AN OPENING IN TRAFFIC, AND PROCEEDED TO TURN LEFT ONTO AVERSBORO RD. SHE SAID SHE DID NOT SEE THE PEDESTRIAN UNTIL SHE STRUCK HER. THE PEDESTRIAN STATED THAT WHEN THERE WAS AN OPENING IN TRAFFIC AND STARTED TO CROSS THE ROAD. SHE SAID SHE SAW VEH #1 STOPPED AND DID NOT KNOW SHE WOULD PULL OUT. WITNESSES STATED THAT THE PEDESTRIAN WAS CROSSING THE ROAD WHEN VEHICLE #1 PULLED OUT AND THEY COLLIDED.</p>											

**Figure 135. North Carolina Crash Report—Number 4 (continued)**



Date 4/1/91 Month Day Year		Day of Week MONDAY		County WILKES		Time 21:15 (24 hr. Clock)		Local Use/Patrol Areas		REPORT NUMBER NUMBER 5	
Location: Collision Occurred <input type="checkbox"/> In <input checked="" type="checkbox"/> Near <u>WILKESBORO</u> or <u>7 . 70</u> Miles <input checked="" type="checkbox"/> N <input type="checkbox"/> E Outside <input type="checkbox"/> S <input type="checkbox"/> W Municip. Municipality on <u>N.C. 18</u> (R.R. Crossing # _____) <u>12</u> Miles <u>0</u> ft. <input checked="" type="checkbox"/> N <input type="checkbox"/> E Highway Number, or Highway, Street. (If ramp or service road, indicate on line) (0 ft-intersection) <input type="checkbox"/> S <input type="checkbox"/> W at or from <u>RP-1114</u> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> toward <u>RUP-1118</u> N S E W Use Highway Number, Street Name, or Adjacent County or State Line Use Highway Number, Street Name, or Adjacent County or State Line											
<input checked="" type="checkbox"/> Vehicle 1 <input type="checkbox"/> Hit & Run						<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other					
1. Vision Obstruction <u>1</u>			2. Physical Condition <u>8</u>			1. Vision Obstruction <u>1</u>			2. Physical Condition <u>1</u>		
3. Intoxication <u>1</u>			Restrictions <u>None</u>			3. Intoxication <u>1</u>			Restrictions _____		
Veh. Year <u>86</u>		Veh. Make <u>Mercedes</u>		Veh. Type Code <u>P</u>		Veh. Year _____		Veh. Make _____		Veh. Type Code _____	
Commercial Vehicle <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Trailer Type Code _____		Commercial Vehicle <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Trailer Type Code _____	
Air Bag Deployed <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		1st Trailer No. of Axles _____		Air Bag Deployed <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		1st Trailer No. of Axles _____	
Passenger <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Width _____ inches		Passenger <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Width _____ inches	
Vehicle Driveable <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Length _____ feet		Vehicle Driveable <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Length _____ feet	
Post Crash File <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		2nd Trailer No. of Axles _____		Post Crash File <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		2nd Trailer No. of Axles _____	
Rollover <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Width _____ inches		Rollover <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Width _____ inches	
Hazardous Cargo <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Length _____ feet		Hazardous Cargo <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Length _____ feet	
Spilled <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		TAD <u>None</u>		Spilled <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		TAD _____	
Crossed Median <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Est. Damage \$ <u>0</u>		Crossed Median <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Est. Damage \$ _____	
OCCUPANT SECTION INSTRUCTIONS: Give Injury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).											
Driver 1					Driver 2, Pedestrian, Other						
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age		
Left Front	<u>0</u>	<u>1</u>	<u>W/F</u>	<u>35</u>	Left Front	<u>A</u>	<u>N/A</u>	<u>W/M</u>	<u>23</u>		
Center Front					Center Front						
Right Front	<u>0</u>	<u>3</u>	<u>W/F</u>	<u>12</u>	Right Front						
Left Rear					Left Rear						
Center Rear					Center Rear						
Right Rear					Right Rear						
Total No. Occupants <u>2</u>		Total Number Injured <u>0</u>			Total No. Occupants <u>N/A</u>		Total Number Injured <u>1</u>				
Ambulance Requested _____		Yes _____ If yes, Ambulance Arrived At _____			21:29 _____ (24 Hour Clock)						
Injured Take to <u>Wilkes Gernal Hospital</u>		Serviced by _____									
Points of Initial Contact (write in codes)											
Veh. 1		Veh. 2		Passenger Cars/Small Trucks		Tractor-Trailers		Motorcycle, Bicycle, or Moped			
<u>21</u>		<u>Ped</u>									
<u>20</u>											
<u>19</u>											
Accident Sequence		Veh. 1		Veh. 2 or Ped.		0. No Contact 25. Rollover 26. Unknown		Roadway Information		19. Road Defects	
6. Vehicle Manuever/ Ped Action		<u>4</u>		<u>20</u>		Underneath: 22. Front 23. Center 24. Rear		11. Locality <u>1</u>		20. Road Condition <u>1</u>	
7. First Harmful Event		<u>6</u>				Speed Limit (each vehicle) <u>45</u>		12. Development Type <u>1</u>		21. Light Condition <u>5</u>	
7. Most Harmful Event		<u>6</u>				Estimated Original Traveling Speed <u>35</u>		13. Road Feature <u>14</u>		22. Weather <u>1</u>	
8. Object Struck		<u>4</u>				Estimated Speed at Impact <u>35</u>		14. Road Character <u>7</u>		23 Traffic Control <u>11</u>	
9. Distance to Object Struck		<u>1</u>				Tire Impression Before Impact (ft.) <u>0</u>		15. Road Class <u>3</u>			
10. Vehicle Defects		<u>8</u>				Distance Traveled After Impact (ft) <u>left scene</u>		16. Number of Lanes <u>2</u>			
								17. Road Config. <u>2</u>		Operating? _____	
								18. Road Surface <u>3</u>		Visible? _____	

Figure 136. North Carolina Crash Report—Number 5



Date 4/2/91 Month Day Year		Day of Week TUESDAY		County NEW HANOVER		Time 15:02 (24 hr. Clock)		Local Use/Patrol Areas		REPORT NUMBER NUMBER 6	
Collision Location	Collision Occurred <input checked="" type="checkbox"/> In <input type="checkbox"/> Near		WILMINGTON Municipality				or _____ Miles		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	Outside Municip.	
	on <u>N. 30th St. (700 Blk)</u>		(R.R. Crossing # _____)		_____ Miles <u>50</u> ft.		(0 ft-intersection) <input type="checkbox"/> N <input type="checkbox"/> E <input checked="" type="checkbox"/> S <input type="checkbox"/> W				
	at or from <u>CLAYTON PLACE</u>		<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		toward		<u>EMORY ST.</u>				
	Use Highway Number, Street Name, or Adjacent County or State Line						Use Highway Number, Street Name, or Adjacent County or State Line				
<input type="checkbox"/> Vehicle 1 <input checked="" type="checkbox"/> Hit & Run						<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other					
1. Vision Obstruction _____ 2. Physical Condition _____						1. Vision Obstruction <u>1</u> 2. Physical Condition <u>1</u>					
3. Intoxication _____ Restrictions _____						3. Intoxication <u>1</u> Restrictions _____					
Veh. Year _____ Veh. Make <u>OLDS</u> Veh. Type Code <u>P</u>						Veh. Year _____ Veh. Make _____ Veh. Type Code _____					
Commercial Vehicle <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Trailer Type Code _____						Commercial Vehicle <input type="checkbox"/> Yes <input type="checkbox"/> No Trailer Type Code _____					
Air Bag Deployed <input type="checkbox"/> Passenger <input checked="" type="checkbox"/> Vehicle Driveable <input checked="" type="checkbox"/> Post Crash File <input type="checkbox"/> Rollover <input type="checkbox"/> Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> Crossed Median <input type="checkbox"/>						Air Bag Deployed <input type="checkbox"/> Passenger <input type="checkbox"/> Vehicle Driveable <input type="checkbox"/> Post Crash File <input type="checkbox"/> Rollover <input type="checkbox"/> Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> Crossed Median <input type="checkbox"/>					
1st Trailer No. of Axles _____ Width _____ inches Length _____ feet						1st Trailer No. of Axles _____ Width _____ inches Length _____ feet					
2nd Trailer No. of Axles _____ Width _____ inches Length _____ feet						2nd Trailer No. of Axles _____ Width _____ inches Length _____ feet					
TAD _____ FC-D _____ Est. Damage \$ <u>UNK.</u>						TAD _____ FC-D _____ Est. Damage \$ _____					
OCCUPANT SECTION INSTRUCTIONS: Give iNjury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).											
Driver 1					Driver 2, Pedestrian, Other						
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age		
Left Front					Left Front	<u>B</u>	<u>N/A</u>	<u>B/M</u>	<u>7</u>		
Center Front					Center Front						
Right Front					Right Front						
Left Rear					Left Rear						
Center Rear					Center Rear						
Right Rear					Right Rear						
Total No. Occupants		<u>1</u>		Total Number Injured		<u>0</u>		Total No. Occupants		<u>N/A</u>	
Total Number Injured		<u>0</u>		Total No. Occupants		<u>N/A</u>		Total Number Injured		<u>1</u>	
Ambulance Requested		<u>No</u>		If yes, Ambulance Arrived At		_____ (24 Hour Clock)		Ambulance Requested		<u>No</u>	
Injured Take to		_____		Serviced by		_____		Injured Take to		_____	
Points of Initial Contact (write in codes)								Points of Initial Contact (write in codes)		_____	
Veh. 1	Veh. 2	Passenger Cars/Small Trucks		Tractor-Trailers		Motorcycle, Bicycle, or Moped		Veh. 1		Veh. 2 or Ped.	
<u>2</u>	<u>Ped</u>										
Accident Sequence		Veh. 1		Veh. 2 or Ped.		0. No Contact 25. Rollover 26. Unknown		Roadway Information		19. Road Defects	
6. Vehicle Maneuver/ Ped Action		<u>8</u>		<u>27</u>		Underneath: 22. Front 23. Center 24. Rear		11. Locality		<u>7</u>	
7. First Harmful Event		<u>6</u>				Speed Limit (each vehicle)		12. Development Type		20. Road Condition	
7. Most Harmful Event		<u>6</u>				Estimated Original Traveling Speed		<u>3</u>		<u>1</u>	
8. Object Struck		<u>4</u>				Estimated Speed at Impact		<u>2</u>		21. Light Condition	
9. Distance to Object Struck		<u>8</u>				Tire Impression Before Impact (ft.)		<u>14</u>		<u>1</u>	
10. Vehicle Defects						Distance Traveled After Impact (ft.)		<u>1</u>		22. Weather	
								<u>5</u>		<u>1</u>	
								<u>2</u>		23 Traffic Control	
								<u>3</u>		<u>11</u>	
								<u>2</u>		Operating?	
								<u>3</u>		Visible?	

Figure 137. North Carolina Crash Report—Number 6

Circumstances Contributing to the Collision (Check as many as apply)										Vehicle 1		
Driver 1 2				Driver 1 2				Driver 1 2				Removed to
<input type="checkbox"/>	<input type="checkbox"/>	1. None	<input type="checkbox"/>	<input type="checkbox"/>	10. Pass stopped school bus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19. Safe movement violation	<input type="checkbox"/>	by _____
<input type="checkbox"/>	<input type="checkbox"/>	2. Alcohol Use	<input type="checkbox"/>	<input type="checkbox"/>	11. Passing on hill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20. Following too closely	<input type="checkbox"/>	Authority
<input type="checkbox"/>	<input type="checkbox"/>	3. Drug Use	<input type="checkbox"/>	<input type="checkbox"/>	12. Passing on curve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21. Improper backing	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	4. Yield	<input type="checkbox"/>	<input type="checkbox"/>	13. Other improper passing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22. Improper parking	<input type="checkbox"/>	Vehicle 2
<input type="checkbox"/>	<input type="checkbox"/>	5. Stop sign	<input type="checkbox"/>	<input type="checkbox"/>	14. Improper lane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23. Unable to determine	<input type="checkbox"/>	Removed to
<input type="checkbox"/>	<input type="checkbox"/>	6. Traffic signal	<input type="checkbox"/>	<input type="checkbox"/>	15. Use of improper lane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24. Left of center	<input type="checkbox"/>	by _____
<input type="checkbox"/>	<input type="checkbox"/>	7. Exceeding speed limit	<input type="checkbox"/>	<input type="checkbox"/>	16. Improper turn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Right turn on red	<input type="checkbox"/>	Authority
<input type="checkbox"/>	<input type="checkbox"/>	8. Exceeding safe speed	<input type="checkbox"/>	<input type="checkbox"/>	17. Improper or no signal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26. Other <i>Hit and run</i>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	9. Failure to reduce speed	<input type="checkbox"/>	<input type="checkbox"/>	18. Improper vehicle equip.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	
Vehicle 1 was traveling											Report Number 6	
		<input type="checkbox"/> N	<input checked="" type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	on		N. 30th St.				
Vehicle 1 was traveling												
		<input type="checkbox"/> N	<input type="checkbox"/> S	<input checked="" type="checkbox"/> E	<input type="checkbox"/> W	on		N. 30th St.				
<b>DIAGRAM</b>												
<b>DESCRIPTION</b>												
<p>PEDESTRIAN STATED THAT HE WAS CROSSING THE STREET AND VEH. #1, A COPPER COLORED OLDSMOBILE WAS PULLING OUT OF A PARKING LOT AND STRUCK HIM IN THE MIDDLE OF THE STREET AND CONTINUED SOUTH ON N. 30th Street.</p>												

**Figure 137. North Carolina Crash Report—Number 6 (continued)**

Date <b>4/2/91</b>	Day of Week <b>TUESDAY</b>	County <b>STANLY</b>	Time <b>14:27</b> (24 hr. Clock)	Local Use/Patrol Areas	REPORT NUMBER <b>NUMBER 7</b>				
Collision Occurred <input checked="" type="checkbox"/> In <input type="checkbox"/> Near <b>ALBEMARLE</b> or _____ Miles <input type="checkbox"/> N <input type="checkbox"/> E Outside Municipality <b>ALBEMARLE</b> Municip.									
on <b>FIRST ST.</b> (R.R. Crossing # _____) _____ Miles <b>50</b> ft. <input checked="" type="checkbox"/> N <input type="checkbox"/> E Highway Number, or Highway, Street, (If ramp or service road, indicate on line) (0 ft-intersection) <input type="checkbox"/> S <input type="checkbox"/> W									
at or from <b>MAIN STREET</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> toward <b>NORTH STREET</b> N S E W									
Use Highway Number, Street Name, or Adjacent County or State Line									
<input checked="" type="checkbox"/> Vehicle 1 <input type="checkbox"/> Hit & Run			<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other						
1. Vision Obstruction <b>8</b>		2. Physical Condition <b>1</b>		1. Vision Obstruction <b>8</b>					
3. Intoxication <b>1</b>		Restrictions _____		3. Intoxication <b>1</b>					
Restrictions _____		Restrictions _____		Restrictions _____					
Veh. Year <b>89</b>		Veh. Make <b>HONDA</b>		Veh. Year _____					
Veh. Type Code <b>P</b>		Veh. Type Code _____		Veh. Make _____					
Veh. Type Code _____		Veh. Type Code _____		Veh. Type Code _____					
Commercial Vehicle <input type="checkbox"/>		Trailer Type Code _____		Commercial Vehicle <input type="checkbox"/>					
Air Bag Deployed <input checked="" type="checkbox"/>		1st Trailer No. of Axles _____		Air Bag Deployed <input type="checkbox"/>					
Passenger <input checked="" type="checkbox"/>		Width _____ inches		Passenger <input type="checkbox"/>					
Vehicle Driveable <input checked="" type="checkbox"/>		Length _____ feet		Vehicle Driveable <input type="checkbox"/>					
Post Crash File <input type="checkbox"/>		2nd Trailer No. of Axles _____		Post Crash File <input type="checkbox"/>					
Rollover <input type="checkbox"/>		Width _____ inches		Rollover <input type="checkbox"/>					
Hazardous Cargo <input type="checkbox"/>		Length _____ feet		Hazardous Cargo <input type="checkbox"/>					
Spilled <input type="checkbox"/>		TAD <b>NONE</b>		Spilled <input type="checkbox"/>					
TAD _____		TAD _____		TAD _____					
Crossed Median <input type="checkbox"/>		Est. Damage \$ <b>0</b>		Crossed Median <input type="checkbox"/>					
Est. Damage \$ _____		Est. Damage \$ _____		Est. Damage \$ _____					
OCCUPANT SECTION INSTRUCTIONS: Give injury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).									
Driver 1				Driver 2, Pedestrian, Other					
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age
Left Front	<b>0</b>	<b>3</b>	<b>W/F</b>	<b>24</b>	Left Front	<b>C</b>	<b>N/A</b>	<b>W/F</b>	<b>7</b>
Center Front					Center Front				
Right Front					Right Front				
Left Front					Left Front				
Center Rear					Center Rear				
Right Rear					Right Rear				
Total No. Occupants <b>1</b>		Total Number Injured <b>0</b>		Total No. Occupants <b>N/A</b>		Total Number Injured <b>1</b>			
Ambulance Requested <b>YES</b>		If yes, Ambulance Arrived At <b>14:33</b>		(24 Hour Clock)					
Injured Take to <b>STANLY MEMORIAL HOSPITAL</b>		Serviced by _____							
Points of Initial Contact (write in codes)									
Veh. 1 <b>2</b>		Veh. 2 <b>Ped</b>							
Passenger Cars/Small Trucks		Tractor-Trailers		Motorcycle, Bicycle, or Moped					
Accident Sequence		Veh. 1 Veh. 2 or Ped.		0. No Contact 25. Rollover 26. Unknown Underneath: 22. Front 23. Center 24. Rear		Roadway Information		19. Road Defects	
6. Vehicle Manuever/ Ped Action		<b>4</b> <b>19</b>				11. Locality <b>3</b>		20. Road Condition <b>1</b>	
7. First Harmful Event		<b>6</b>		Speed Limit (each vehicle) <b>20</b>		12. Development Type <b>3</b>		21. Light Condition <b>1</b>	
7. Most Harmful Event		<b>6</b>		Estimated Original Traveling Speed <b>10</b>		13. Road Feature <b>14</b>		22. Weather <b>1</b>	
8. Object Struck		<b>4</b> <b>1</b>		Estimated Speed at Impact <b>4</b>		14. Road Character <b>1</b>		23 Traffic Control <b>11</b>	
8. Object Struck		<b>4</b> <b>1</b>		Tire Impression Before Impact (ft.) <b>0</b>		15. Road Class <b>5</b>			
9. Distance to Object Struck		<b>9</b> <b>8</b>		Distance Traveled After Impact (ft.) <b>0</b> <b>1</b>		16. Number of Lanes <b>2</b>			
10. Vehicle Defects						17. Road Config. <b>2</b>		Operating? <input type="checkbox"/>	
						18. Road Surface <b>3</b>		Visible? <input type="checkbox"/>	

Figure 138. North Carolina Crash Report—Number 7

Circumstances Contributing to the Collision (Check as many as apply)												Vehicle 1	
												Removed to	
												by	
												Authority	
												Vehicle 2	
												Removed to	
												by	
												Authority	
<b>Driver</b>		<b>Driver</b>		<b>Driver</b>									
1	2	1	2	1	2								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
1. None		10. Pass stopped school bus		19. Safe movement violation									
2. Alcohol Use		11. Passing on hill		20. Following too closely									
3. Drug Use		12. Passing on curve		21. Improper backing									
4. Yield		13. Other improper passing		22. Improper parking									
5. Stop sign		14. Improper lane		23. Unable to determine									
6. Traffic signal		15. Use of improper lane		24. Left of center									
7. Exceeding speed limit		16. Improper turn		25. Right turn on red									
8. Exceeding safe speed		17. Improper or no signal		26. Other									
9. Failure to reduce speed		18. Improper vehicle equip.											
Vehicle 1 was traveling												Report Number 7	
<input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W    on <i>FIRST ST.</i>													
Vehicle 1 was traveling													
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W    on													
<b>DIAGRAM</b>													
<b>DESCRIPTION</b>													
<p>VEHICLE #1 WAS TRAVELING NORTH ON FIRST ST. DRIVER STATED THAT SHE HAD JUST LEFT TRAFFIC LIGHT AND WAS DRIVING ALONG SEVERAL PARKED CARS WHEN SHE SAW THE LITTLE GIRL COME OUT IN FRONT OF ANOTHER PARKED VEHICLE. SHE STATED SHE STOPPED AS SOON AS SHE COULD. THE LITTLE GIRL FELL DOWN. THEN GOT UP AND RAN ACROSSTHE STREET TO HER FATHER. FATHER OF THE GIRL STATED "MY DAUGHTER JUST RAN OUT IN FRONT OF THAT CAR. SHE WAS VERY LUCKY." TWO OTHER WITNESSES STATED THAT THE VEHICLE DID NOT HAVE TIME TO STOP WHEN THE GIRL RAN OUT IN FRONT OF IT.</p>													

**Figure 138. North Carolina Crash Report—Number 7 (continued)**

Date 4/4/91 Month Day Year	Day of Week THURSDAY	County MECKLENBURG	Time 19:55 (24 hr. Clock)	Local Use/Patrol Areas	REPORT NUMBER NUMBER 8				
Collision Occurred <input type="checkbox"/> In <input checked="" type="checkbox"/> Near <u>CHARLOTTE</u> Municipality or <u>0.3</u> Miles <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W Outside Municipality on <u>US 29</u> (R.R. Crossing # _____) <u>9.3</u> Miles ft. <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W at or from <u>NC 49</u> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> toward <u>RP-2665</u> Use Highway Number, Street Name, or Adjacent County or State Line Use Highway Number, Street Name, or Adjacent County or State Line									
<input checked="" type="checkbox"/> Vehicle 1		<input type="checkbox"/> Hit & Run		<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other					
1. Vision Obstruction <u>1</u>		2. Physical Condition <u>1</u>		1. Vision Obstruction <u>1</u>					
3. Intoxication <u>1</u>		Restrictions _____		3. Intoxication <u>1</u>					
Veh. Year <u>81</u> Veh. Make <u>BUICK</u> Veh. Type Code <u>P</u>		Veh. Year _____ Veh. Make _____ Veh. Type Code _____		Veh. Year _____ Veh. Make _____ Veh. Type Code _____					
Commercial Vehicle <input type="checkbox"/>		Trailer Type Code _____		Commercial Vehicle <input type="checkbox"/>					
Air Bag Deployed <input type="checkbox"/>		1st Trailer No. of Axles _____		Air Bag Deployed <input type="checkbox"/>					
Passenger <input type="checkbox"/>		Width _____ inches		Passenger <input type="checkbox"/>					
Vehicle Driveable <input type="checkbox"/>		Length _____ feet		Vehicle Driveable <input type="checkbox"/>					
Post Crash File <input type="checkbox"/>		2nd Trailer No. of Axles _____		Post Crash File <input type="checkbox"/>					
Rollover <input type="checkbox"/>		Width _____ inches		Rollover <input type="checkbox"/>					
Hazardous Cargo <input type="checkbox"/>		Length _____ feet		Hazardous Cargo <input type="checkbox"/>					
Spilled <input type="checkbox"/>		TAD <u>FD-4</u>		Spilled <input type="checkbox"/>					
Crossed Median <input type="checkbox"/>		Est. Damage \$ <u>2000</u>		Crossed Median <input type="checkbox"/>					
Est. Damage \$ _____		Est. Damage \$ _____		Est. Damage \$ _____					
OCCUPANT SECTION INSTRUCTIONS: Give Injury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).									
Driver 1				Driver 2, Pedestrian, Other					
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age
Left Front	<u>c</u>	<u>3</u>	<u>W/M</u>	<u>34</u>	Left Front	<u>C</u>	<u>N/A</u>	<u>B/M</u>	<u>34</u>
Center Front					Center Front				
Right Front					Right Front				
Left Rear					Left Rear				
Center Rear					Center Rear				
Right Rear					Right Rear				
Total No. Occupants <u>1</u>		Total Number Injured <u>1</u>		Total No. Occupants <u>N/A</u>		Total Number Injured <u>1</u>			
Ambulance Requested <u>YES</u> If yes, Ambulance Arrived At <u>20:05</u> (24 Hour Clock)									
Injured Take to <u>University Memorial Hospital, Charlotte</u> Serviced by _____									
Points of Initial Contact (write in codes)									
Veh. 1		Veh. 2		Motorcycle, Bicycle, or Moped					
<u>1</u>		<u>Ped</u>		<u>30</u>					
<u>2</u>				<u>27</u>					
<u>3</u>				<u>28</u>					
Passenger Cars/Small Trucks		Tractor-Trailers		Motorcycle, Bicycle, or Moped					
Accident Sequence		0. No Contact 25. Rollover 26. Unknown		Roadway Information					
6. Vehicle Maneuver/ Ped Action		Underneath: 22. Front 23. Center 24. Rear		11. Locality <u>1</u>					
7. First Harmful Event		Speed Limit (each vehicle) <u>45</u>		12. Development Type <u>3</u>					
7. Most Harmful Event <u>22</u>		Estimated Original Traveling Speed <u>45</u>		13. Road Feature <u>14</u>					
8. Object Struck <u>1</u>		Estimated Speed at Impact <u>45</u>		14. Road Character <u>1</u>					
9. Distance to Object Struck <u>8</u>		Tire Impression Before Impact (ft.) <u>none</u>		15. Road Class <u>2</u>					
10. Vehicle Defects <u>8</u>		Distance Traveled After Impact (ft.) <u>66'</u>		16. Number of Lanes <u>4</u>					
				17. Road Config. <u>3</u>					
				18. Road Surface <u>3</u>					
				19. Road Defects <u>7</u>					
				20. Road Condition <u>1</u>					
				21. Light Condition <u>5</u>					
				22. Weather <u>1</u>					
				23. Traffic Control <u>11</u>					
				Operating? _____					
				Visible? _____					

Figure 139. North Carolina Crash Report—Number 8

Circumstances Contributing to the Collision (Check as many as apply)										Vehicle 1																																																																																																																									
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<table border="0" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Driver</th> <th style="text-align: left;">Driver</th> <th style="text-align: left;">Driver</th> <td colspan="7"></td> </tr> <tr> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> <td style="text-align: center;">1 2</td> </tr> <tr> <td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td>1. None</td><td></td><td></td><td>10. Pass stopped school bus</td><td></td><td></td><td></td><td>19. Safe movement violation</td><td></td><td></td> </tr> <tr> <td>2. Alcohol Use</td><td></td><td></td><td>11. Passing on hill</td><td></td><td></td><td></td><td>20. Following too closely</td><td></td><td></td> </tr> <tr> <td>3. Drug Use</td><td></td><td></td><td>12. Passing on curve</td><td></td><td></td><td></td><td>21. Improper backing</td><td></td><td></td> </tr> <tr> <td>4. Yield</td><td></td><td></td><td>13. Other improper passing</td><td></td><td></td><td></td><td>22. Improper parking</td><td></td><td></td> </tr> <tr> <td>5. Stop sign</td><td></td><td></td><td>14. Improper lane</td><td></td><td></td><td></td><td>23. Unable to determine</td><td></td><td></td> </tr> <tr> <td>6. Traffic signal</td><td></td><td></td><td>15. Use of improper lane</td><td></td><td></td><td></td><td>24. Left of center</td><td></td><td></td> </tr> <tr> <td>7. Exceeding speed limit</td><td></td><td></td><td>16. Improper turn</td><td></td><td></td><td></td><td>25. Right turn on red</td><td></td><td></td> </tr> <tr> <td>8. Exceeding safe speed</td><td></td><td></td><td>17. Improper or no signal</td><td></td><td></td><td></td><td>26. Other</td><td></td><td></td> </tr> <tr> <td>9. Failure to reduce speed</td><td></td><td></td><td>18. Improper vehicle equip.</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>										Driver	Driver	Driver								1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. None			10. Pass stopped school bus				19. Safe movement violation			2. Alcohol Use			11. Passing on hill				20. Following too closely			3. Drug Use			12. Passing on curve				21. Improper backing			4. Yield			13. Other improper passing				22. Improper parking			5. Stop sign			14. Improper lane				23. Unable to determine			6. Traffic signal			15. Use of improper lane				24. Left of center			7. Exceeding speed limit			16. Improper turn				25. Right turn on red			8. Exceeding safe speed			17. Improper or no signal				26. Other			9. Failure to reduce speed			18. Improper vehicle equip.							Report Number 8	
Driver	Driver	Driver																																																																																																																																	
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																																																																																										
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Vehicle 1 was traveling <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W on _____																																																																																																																																			
<b>DIAGRAM</b>																																																																																																																																			
<div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;"> <p>INDICATE NORTH</p> </div> </div>																																																																																																																																			
<b>DESCRIPTION</b>																																																																																																																																			
<p>VEH. #1 WAS TRAVELING NORTH ON U.S. 29. VEH. #2 WAS BEING PUSHED BY A PEDESTRIAN ACROSS U.S. 29 BECAUSE OF MOTOR TROUBLE. VEH. #1 DID NOT SEE VEH. #2 AND HIT VEH. #2 IN THE RIGHT SIDE. VEH. #1 AND VEH. #2 BOTH TRAVELED OFF THE RIGHT SIDE OF THE ROAD. VEH. #1 HIT VEH. #3 WHICH WAS PARKED ON THE RIGHT SIDE OF U.S. 29 TO HELP VEH. #2.</p>																																																																																																																																			

**Figure 139. North Carolina Crash Report—Number 8 (continued)**



Date 4/4/91 Month Day Year	Day of Week THURSDAY	County WAKE	Time 19:55 (24 hr. Clock)	Local Use/Patrol Areas	REPORT NUMBER NUMBER 9																																																																																																																						
Collision Occurred <input checked="" type="checkbox"/> In <input type="checkbox"/> Near <u>RALEIGH</u> Municipality or _____ Miles on <u>S. BLOUNT ST.</u> (R.R. Crossing # _____) _____ Miles <u>35'7"</u> ft. <input type="checkbox"/> N <input type="checkbox"/> E <input checked="" type="checkbox"/> S <input type="checkbox"/> W at or from <u>BRANCH ST.</u> <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W toward <u>HOKE ST.</u> Use Highway Number, Street Name, or Adjacent County or State Line																																																																																																																											
<input checked="" type="checkbox"/> Vehicle 1 1. Vision Obstruction <u>1</u> 3. Intoxication <u>5 (test given)</u> Veh. Year <u>87</u> Veh. Make <u>Jeep</u> Veh. Type Code <u>SUV</u> Commercial Vehicle <input type="checkbox"/> Air Bag Deployed <input type="checkbox"/> Passenger <input type="checkbox"/> Vehicle Driveable <input checked="" type="checkbox"/> Post Crash File <input type="checkbox"/> Rollover <input type="checkbox"/> Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> Crossed Median <input type="checkbox"/>		<input type="checkbox"/> Hit & Run 2. Physical Condition <u>1</u> Restrictions _____ Veh. Year _____ Veh. Make _____ Veh. Type Code _____ Commercial Vehicle <input type="checkbox"/> Air Bag Deployed <input type="checkbox"/> Passenger <input type="checkbox"/> Vehicle Driveable <input type="checkbox"/> Post Crash File <input type="checkbox"/> Rollover <input type="checkbox"/> Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> Crossed Median <input type="checkbox"/>		<input type="checkbox"/> Veh. 2 <input checked="" type="checkbox"/> Pedestrian <input type="checkbox"/> Hit & Run <input type="checkbox"/> Other 1. Vision Obstruction <u>8</u> 3. Intoxication <u>1</u> Veh. Year _____ Veh. Make _____ Veh. Type Code _____ Commercial Vehicle <input type="checkbox"/> Air Bag Deployed <input type="checkbox"/> Passenger <input type="checkbox"/> Vehicle Driveable <input type="checkbox"/> Post Crash File <input type="checkbox"/> Rollover <input type="checkbox"/> Hazardous Cargo <input type="checkbox"/> Spilled <input type="checkbox"/> Crossed Median <input type="checkbox"/>																																																																																																																							
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Right Rear					Right Rear																																																																																																																						
Total No. Occupants <u>2</u>		Total Number Injured <u>0</u>		Total No. Occupants <u>N/A</u>		Total Number Injured <u>1</u>																																																																																																																					
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					23 Traffic Control	<u>11</u>																																																																																																																					
					Operating? Visible?																																																																																																																						

Figure 140. North Carolina Crash Report—Number 9

Circumstances Contributing to the Collision (Check as many as apply)										Vehicle 1	
										Removed to	
										by _____	
										Authority	
										Vehicle 2	
										Removed to	
										by _____	
										Authority	
Driver 1 2		Driver 1 2		Driver 1 2							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Date 4/5/91 Month Day Year		Day of Week FRIDAY		County GUILFORD		Time 19:30 (24 hr. Clock)		Local Use/Patrol Areas		REPORT NUMBER NUMBER 10													
Location	Collision Occurred <input checked="" type="checkbox"/> In <input type="checkbox"/> Near		GREENSBORO Municipality				or		Miles		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	Outside Municip.											
	on		PVA (3028 High Point Rd.) Highway Number, or Highway, Street. (If ramp or service road, indicate on line)				(R.R. Crossing # )		Miles 300 ft. (0 ft-intersection)		<input type="checkbox"/> N <input type="checkbox"/> E <input checked="" type="checkbox"/> S <input type="checkbox"/> W												
	at or from		W. MEADOWVIEW RD. N S E W				toward																
Use Highway Number, Street Name, or Adjacent County or State Line						Use Highway Number, Street Name, or Adjacent County or State Line																	
<input type="checkbox"/> Vehicle 1			<input checked="" type="checkbox"/> Hit & Run			<input type="checkbox"/> Veh. 2			<input checked="" type="checkbox"/> Pedestrian			<input type="checkbox"/> Hit & Run			<input type="checkbox"/> Other								
1. Vision Obstruction 14			2. Physical Condition 8			1. Vision Obstruction 4			2. Physical Condition 1														
3. Intoxication 4			Restrictions			3. Intoxication 1			Restrictions														
Veh. Year			Veh. Make			Veh. Year			Veh. Make			Veh. Type Code											
Commercial Vehicle			Trailer Type Code			Commercial Vehicle			Trailer Type Code														
Air Bag Deployed			1st Trailer No. of Axles			Air Bag Deployed			1st Trailer No. of Axles														
Passenger			Width inches			Passenger			Width inches														
Vehicle Driveable			Length feet			Vehicle Driveable			Length feet														
Post Crash File			2nd Trailer No. of Axles			Post Crash File			2nd Trailer No. of Axles														
Rollover			Width inches			Rollover			Width inches														
Hazardous Cargo			Length feet			Hazardous Cargo			Length feet														
Spilled			TAD			Spilled			TAD														
Crossed Median			Est. Damage \$			Crossed Median			Est. Damage \$														
OCCUPANT SECTION INSTRUCTIONS: Give Injury Class, Belt/Helmet Usage, Race/Sex and Age of all occupants in the space corresponding to the seat occupied (see codes at top).																							
Driver 1					Driver 2, Pedestrian, Other																		
Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age	Seat	4. Inj. Class	5. Belt/Helmet	Race/Sex	Age														
Left Front	unknown	unknown	unknown	unk.	Left Front	C	N/A	W/F	37														
Center Front					Center Front																		
Right Front					Right Front																		
Left Front					Left Front																		
Center Rear					Center Rear																		
Right Rear					Right Rear																		
Total No. Occupants			Total Number Injured			Total No. Occupants			N/A			Total Number Injured			1								
Ambulance Requested			No			If yes, Ambulance Arrived At						(24 Hour Clock)											
Injured Take to						Serviced by																	
Points of Initial Contact (write in codes)																							
Veh. 1		Veh. 2		Ped																			
2		Ped				Passenger Cars/Small Trucks						Tractor-Trailers						Motorcycle, Bicycle, or Moped					
6. Vehicle Maneuver/ Ped Action		14		28		0. No Contact 25. Rollover 26. Unknown						Roadway Information						19. Road Defects 7					
7. First Harmful Event		12		12		Underneath: 22. Front 23. Center 24. Rear						11. Locality 3						20. Road Condition 1					
7. Most Harmful Event		12		12		Speed Limit (each vehicle)						12. Development Type 3						21. Light Condition 2					
8. Object Struck		35		35		Estimated Original Traveling						13. Road Feature 3						22. Weather 1					
9. Distance to Object Struck		4		4		Speed						14. Road Character 3						23. Traffic Control 11					
10. Vehicle Defects		8				Estimated Speed at Impact						15. Road Class 6						Operating?					
						Tire Impression Before Impact (ft.)						16. Number of Lanes 0						Visible?					
						Distance Traveled After Impact (ft.)						17. Road Config. 2											
						0						18. Road Surface 3											

Figure 141. North Carolina Crash Report—Number 10

Circumstances Contributing to the Collision (Check as many as apply)										Vehicle 1	
<b>Driver</b>				<b>Driver</b>				<b>Driver</b>			
1	2			1	2			1	2		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. None		<input type="checkbox"/>	<input type="checkbox"/>	10. Pass stopped school bus		<input checked="" type="checkbox"/>	<input type="checkbox"/>	19. Safe movement violation	
<input type="checkbox"/>	<input type="checkbox"/>	2. Alcohol Use		<input type="checkbox"/>	<input type="checkbox"/>	11. Passing on hill		<input type="checkbox"/>	<input type="checkbox"/>	20. Following too closely	
<input type="checkbox"/>	<input type="checkbox"/>	3. Drug Use		<input type="checkbox"/>	<input type="checkbox"/>	12. Passing on curve		<input type="checkbox"/>	<input type="checkbox"/>	21. Improper backing	
<input type="checkbox"/>	<input type="checkbox"/>	4. Yield		<input type="checkbox"/>	<input type="checkbox"/>	13. Other improper passing		<input type="checkbox"/>	<input type="checkbox"/>	22. Improper parking	
<input type="checkbox"/>	<input type="checkbox"/>	5. Stop sign		<input type="checkbox"/>	<input type="checkbox"/>	14. Improper lane		<input type="checkbox"/>	<input type="checkbox"/>	23. Unable to determine	
<input type="checkbox"/>	<input type="checkbox"/>	6. Traffic signal		<input type="checkbox"/>	<input type="checkbox"/>	15. Use of improper lane		<input type="checkbox"/>	<input type="checkbox"/>	24. Left of center	
<input type="checkbox"/>	<input type="checkbox"/>	7. Exceeding speed limit		<input type="checkbox"/>	<input type="checkbox"/>	16. Improper turn		<input type="checkbox"/>	<input type="checkbox"/>	25. Right turn on red	
<input type="checkbox"/>	<input type="checkbox"/>	8. Exceeding safe speed		<input type="checkbox"/>	<input type="checkbox"/>	17. Improper or no signal		<input checked="" type="checkbox"/>	<input type="checkbox"/>	26. Other <i>Hit and Run</i>	
<input type="checkbox"/>	<input type="checkbox"/>	9. Failure to reduce speed		<input type="checkbox"/>	<input type="checkbox"/>	18. Improper vehicle equip.		<input type="checkbox"/>	<input type="checkbox"/>		
Vehicle 1 was traveling										Report Number 10	
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
		N	S	E	W	on PVA					
Vehicle 1 was traveling											
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
		N	S	E	W	on PVA					
<b>DIAGRAM</b>											
<p style="text-align: center;">INDICATE NORTH</p> <p style="text-align: center;">BATHROOM</p> <p style="text-align: center;">PEDESTRIAN</p> <p style="text-align: center;">1</p> <p style="text-align: center;">3028 HIGH POINT RD.</p> <p style="text-align: center;">OFFICE</p>											
<b>DESCRIPTION</b>											
<p>THE DRIVER OF VEH. #1 LEFT A SMALL CHILD UNATTENDED IN HER VEHICLE PARKED IN FRONT OF THE BATHROOM AT 3028 HIGH POINT RD. AT THIS TIME, THE CHILD APPARENTLY PUT VEH #1 IN GEAR. VEH. #1 THEN MOVED FORWARD STRIKING THE LADIES BATHROOM KNOCKING THE DOOR OFF ITS HINGES. A PEDESTRIAN WAS IN THE BATHROOM AT THE TIME AND WAS STRUCK WITH THE BATHROOM DOOR.</p>											

**Figure 141. North Carolina Crash Report—Number 10 (continued)**

**Table 14. Correct Responses to the Crash Typing Logic for the 10 Sample Pedestrian Crashes**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>1</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonroadway Location</b>
	Ped position—nonroadway	What was the position of the pedestrian when struck?	Other Nonroadway Areas
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	Backing Vehicle
	Backing Vehicle	Where did the backing vehicle strike the pedestrian?	In a Parking Lot
<b>Crash Type: Backing Vehicle—Parking Lot (Number 214)</b>			
<b>2</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonroadway Location</b>
	Ped position—nonroadway	What was the position of the pedestrian when struck?	Other Nonroadway Areas
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	Emergency Vehicle-Related
<b>Crash Type: Emergency Vehicle-Related (Number 240)</b>			
<b>3</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonroadway Location</b>
	Ped position—nonroadway	What was the position of the pedestrian when struck?	Other Nonroadway Areas
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	Other Unusual Circumstances

**Table 14. Correct Responses to the Crash Typing Logic for the 10 Sample Pedestrian Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>Crash Type: Other Unusual Circumstances (Number 190)</b>			
<b>4</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Intersection</b>
	Ped position—intersection or intersection-related	What was the position of the pedestrian when struck?	Within a Crosswalk, Marked or Unmarked
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	None of the Above
	Unusual Pedestrian Action Crash	The pedestrian was struck while performing which of the following actions:	None of the Above
	Intersection Crash—Typical Pedestrian Action	Which of the following best describes the pedestrian action at the time of the crash?	Crossing the Roadway or In the Roadway
	Crossing/In Roadway—Intersection	Which of the following best describes the circumstances of the crash?	Turn/Merge
	Turn/Merge—Intersection	Which of the following best describes the circumstances of the crash?	Left Turn—Parallel Paths
<b>Crash Type: Motorist Left Turn—Parallel Paths (No. 781)</b>			

**Table 14. Correct Responses to the Crash Typing Logic for the 10 Sample Pedestrian Crashes (continued)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>5</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Ped position—nonintersection	What was the position of the pedestrian when struck?	On a Roadway, in a Travel Lane
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	None of the Above
	Unusual Pedestrian Action Crash	The pedestrian was struck while performing which of the following actions:	None of the Above
	Nonintersection Crash—Typical Pedestrian Action	Which of the following best describes the pedestrian action at the time of the crash?	Walking Along Roadway
	Walking Along Roadway – Nonintersection	The pedestrian was:	Walking/running with Traffic and Was Struck from Behind
<b>Crash Type: Walking Along Roadway With Traffic—From Behind (Number 410)</b>			

**Table 14. Correct Responses to the Crash Typing Logic for the 10 Sample Pedestrian Crashes (continued)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>6</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Ped position—nonintersection	What was the position of the pedestrian when struck?	On a Roadway, in a Travel Lane
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	None of the Above
	Unusual Pedestrian Action Crash	The pedestrian was struck while performing which of the following actions:	None of the Above
	Nonintersection Crash—Typical Pedestrian Action	Which of the following best describes the pedestrian action at the time of the crash?	Crossing the Roadway or In the Roadway
	Crossing/In Roadway – Nonintersection	Which of the following best describes the circumstances of the crash?	Turn/Merge
	Turn/Merge—Nonintersection	Which of the following best describes the circumstances of the crash?	Turn/merge—Other/Unknown
<b>Crash Type: Motorist Turn/Merge—Other/Unknown (Number 799)</b>			



**Table 14. Correct Responses to the Crash Typing Logic for the 10 Sample Pedestrian Crashes (continued)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>7</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Intersection-related</b>
	Ped position—intersection or intersection-related	What was the position of the pedestrian when struck?	On a Roadway, in a Travel Lane
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	None of the Above
	Unusual Pedestrian Action Crash	The pedestrian was struck while performing which of the following actions:	None of the Above
	Intersection Crash—Typical Pedestrian Action	Which of the following best describes the pedestrian action at the time of the crash?	Crossing the Roadway or In the Roadway
	Crossing/In Roadway—Intersection	Which of the following best describes the circumstances of the crash?	Dart-Out
<b>Crash Type: Dart-Out (Number 742)</b>			
<b>8</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Ped position—Nonintersection	What was the position of the pedestrian when struck?	On a Roadway, in a Travel Lane
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	Disabled Vehicle-Related
<b>Crash Type: Disabled Vehicle-Related (Number 230)</b>			

**Table 14. Correct Responses to the Crash Typing Logic for the 10 Sample Pedestrian Crashes (continued)**

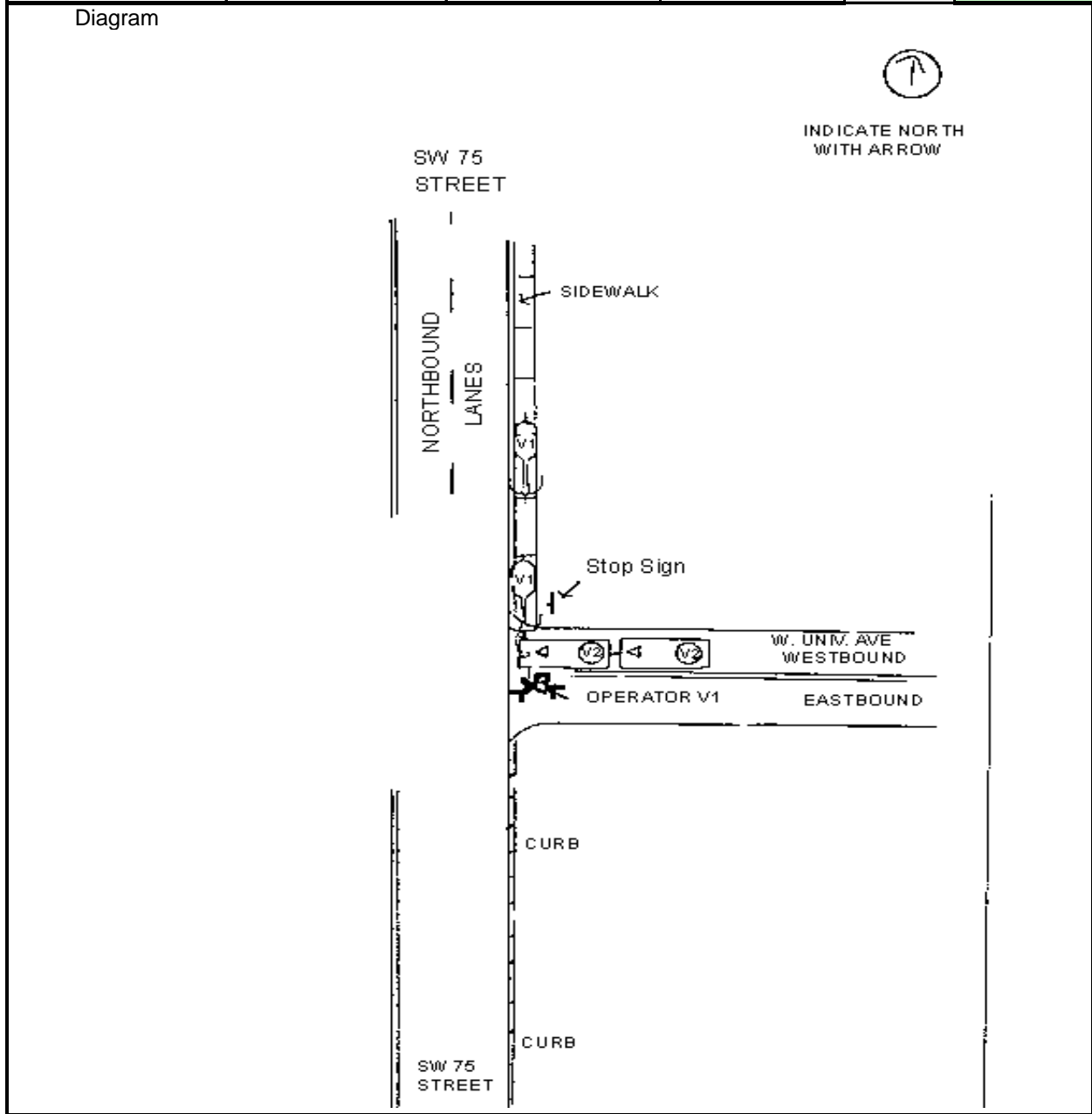
<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>9</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Intersection</b>
	Ped position—Nonintersection	What was the position of the pedestrian when struck?	On a Roadway, in a Travel Lane
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	None of the Above
	Unusual Pedestrian Action Crash	The pedestrian was struck while performing which of the following actions:	Commercial Bus-Related
<b>Crash Type: Commercial Bus-Related (Number 341)</b>			
<b>10</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonroadway Location</b>
	Ped position- Nonroadway	What was the position of the pedestrian when struck?	Other Nonroadway Areas
	Unusual Circumstances Crash	The crash was the result of which of the following unusual circumstances:	None of the Above
	Unusual Vehicle Type/Vehicle Action Crash	The crash involved which of the following vehicle types or vehicle actions:	Driverless Vehicle
<b>Crash Type: Driverless Vehicle (Number 220)</b>			

Time & Location	Date of Crash 2/12/92	Time of Crash AM 1:20 PM	Time Officer Notified 10:01 AM	Time Officer Arrived 10:12 AM	Agency Report No.	Crash Report No. <b>REPORT 1</b>					
	County/City Code 11/00	Feet or Miles 1.0	N S E W N S E W X	City or Town GAINESVILLE, FL	In City/Town?	County ALACHUA					
	No. of Lanes 4	Divided <input checked="" type="checkbox"/> Undivided	On street, Road, or Highway SW. 75 STREET								
	At Intersection of W. UNIVER. AVENUE N S E W Feet/Miles of Intersection										
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 92	Make Cannon Dale	Type 10	Use	POINT OF IMPACT Circle Area of Damage 14					
Vehicle	Vehicle Traveling <input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On			Posted Speed 40	Estimated Damage \$ 50	1 Disabling 2 Functional 3 No Damage 2				
Vehicle	SIDEWALK AT 15 Est. MPH			Vehicle Removed By 1 Disabling 2 Functional 3 No Damage 2							
BAC TEST	5	Results N/A	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 3	S. Equip 1	Eject 2	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
Hazardous Mat. Transported	1 None 3 Explosives 5 Corrosive Material 7 Other 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.			1	Driving Ability Questionable RECOMMEND RE-EXAM			1 Yes 2 No 3 NA	2	4 Other	
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 88	Make Hyun	Type 1	Use	POINT OF IMPACT Circle Area of Damage 2					
Vehicle	Vehicle Traveling <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W	On			Posted Speed 30	Estimated Damage \$ 150	1 Disabling 2 Functional 3 No Damage 3				
Vehicle	W. Univer. Avenue AT 7 Est. MPH			Vehicle Removed By 1 Disabling 2 Functional 3 No Damage 3							
BAC TEST	5	Results N/A	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 2	Sex 2	Inj. 1	S. Equip 2	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
Hazardous Mat. Transported	1 None 3 Explosives 5 Corrosive Material 7 Other 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.			1	Driving Ability Questionable RECOMMEND RE-EXAM			1 Yes 2 No 3 NA	2	4 Other	
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	POINT OF IMPACT Circle Area of Damage					
Vehicle	Vehicle Traveling <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On			Posted Speed	Estimated Damage \$	1 Disabling 2 Functional 3 No Damage				
Vehicle	AT Est. MPH			Vehicle Removed By 1 Disabling 2 Functional 3 No Damage							
BAC TEST		Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
Hazardous Mat. Transported	1 None 3 Explosives 5 Corrosive Material 7 Other 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.				Driving Ability Questionable RECOMMEND RE-EXAM			1 Yes 2 No 3 NA		4 Other	
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect				7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		Safety Equipment		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		1 Not in use		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		2 Seat Belt / Shoulder Harness		Ejected				
11 Moped	11 Other Government		Required Endorsements		3 Child Restraint		1 No				
12 All Terrrian Vehicle	77 Other		1 Yes 2 No 3 NR		4 Air Bag		2 Yes				
13 Train	DL Type	Residence	Sex		5 Safety Helmet		3 Partial				
17 Other	1 A 2 B 3 C	1 County of Crash	1 Female 2 Male		6 Eye Protection						
	4 D/Chauffeur 7 None	2 Elsewhere in State									
	5 E/Operator	3 Non-Resident (State)									
	6 E/Oper-Rest	4 Foreign 5 Unknown									

Figure 142. Florida Crash Report—Report 1



EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/00	Date of Crash 2/12/92	Report No.1
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NARRATIVE

V1, A BICYCLE, WAS SOUTHBOUND ON THE SIDEWALK OF SW 75 STREET. THE DRIVER OF V2 WAS WESTBOUND ON WEST UNIVERSITY AVENUE INTENDING TO MAKE A RIGHT TURN ONTO SW 75 STREET AND HAD STOPPED AT THE STOP SIGN. THE DRIVER OF V2 FAILED TO SEE V1 APPROACHING AS SHE BEGAN TO DRIVE FORWARD, WITH THE FRONT OF V1 STRIKING THE RIGHT FRONT OF V2 AND EJECTING THE OPERATOR OF V1 ONTO THE PAVEMENT.

Figure 142. Florida Crash Report—Report 1 (continued)

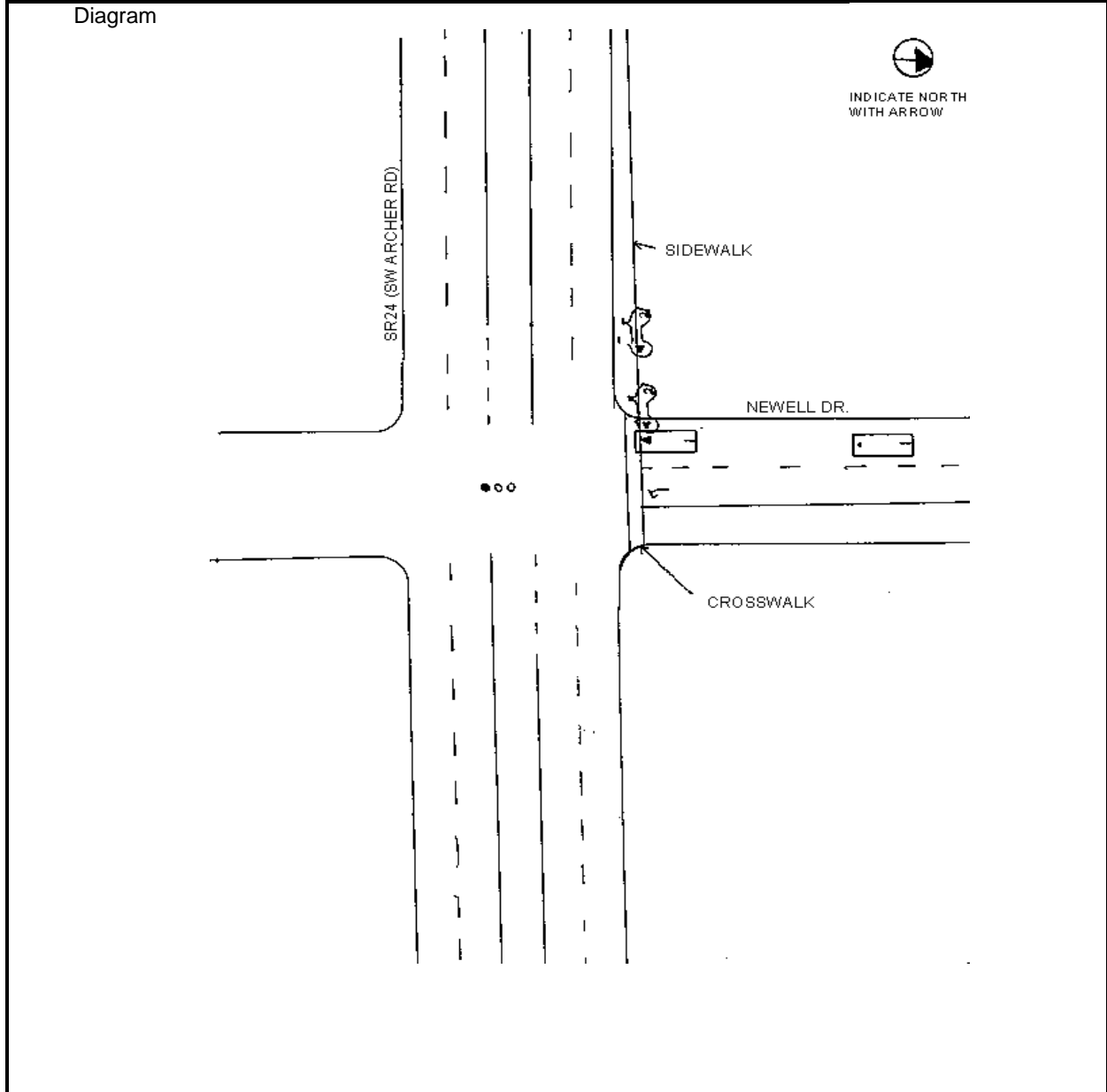
Time & Location	Date of Crash 2/20/92	Time of Crash AM 8:57 PM	Time Officer Notified AM 8:59 PM	Time Officer Arrived AM 9:01 PM	Agency Report No	Crash Report No. <b>REPORT 2</b>					
	County/City Code 11/34	Feet or Miles	N S E W	City or Town GAINESVILLE, FL	In City/Town? Y	County ALACHUA					
	No. of Lanes 3	Divided On street, Road, or Highway x Undivided									
	At Intersection of HEWELL DR. N S E W Feet/Miles of Intersection Between Node 421 and 417										
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 79	Make Pontiac	Type 1	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	Vehicle Traveling N X S E W On	Newell Dr. AT 5 Est. MPH			Posted Speed 20	Estimated Damage \$ 0	1 Disabling 2 Functional 3 No Damage 3				
Ped	BAC TEST 5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 1	S. Equip 2	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
	1 Blood 3 Urine 2 Breath 4 Refusec 5 None										
	Hazardous Mat. 1 None 3 Explosives 5 Corrosive Material 7 Other Transported 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.					1	Driving Ability Questionable 1 Yes 2 No 3 NA RECOMMEND RE-EXAM				
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 88	Make Tandem	Type 10	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	Vehicle Traveling N S X E W On	SR 24 (ARCHER RD.) AT 5 Est. MPH			Posted Speed	Estimated Damage \$ 75	1 Disabling 2 Functional 3 No Damage 1				
Ped	BAC TEST 5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 2	S. Equip 6	Eject 2	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
	1 Blood 3 Urine 2 Breath 4 Refusec 5 None										
	Hazardous Mat. 1 None 3 Explosives 5 Corrosive Material 7 Other Transported 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.					1	Driving Ability Questionable 1 Yes 2 No 3 NA RECOMMEND RE-EXAM				
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	Vehicle Traveling N S E W On	AT Est. MPH			Posted Speed	Estimated Damage \$	1 Disabling 2 Functional 3 No Damage				
Ped	BAC TEST	Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
	1 Blood 3 Urine 2 Breath 4 Refusec 5 None										
	Hazardous Mat. 1 None 3 Explosives 5 Corrosive Material 7 Other Transported 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.						Driving Ability Questionable 1 Yes RECOMMEND RE-EXAM 2 No 3 NA				
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		Safety Equipment		7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		1 Not in use		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		2 Seat Belt / Shoulder Harness		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		3 Child Restraint		Ejected				
11 Moped	11 Other Government	DL Type	Residence		4 Air Bag		1 No				
12 All Terrain Vehicle	77 Other	1 A 2 B 3 C	1 County of Crash		5 Safety Helmet		2 Yes				
13 Train		4 D/Chauffeur 7 None	2 Elsewhere in State		6 Eye Protection		3 Partial				
77 Other		5 E/Operator	3 Non-Resident (State)								
		6 E/Oper-Rest	4 Foreign 5 Unknown								
			Endorsements								
			1 Yes 2 No 3 NR								
			Sex								
			1 Female								
			2 Male								

Figure 143. Florida Crash Report—Report 2

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement		
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	5	1
03 Failed to Yield Right-of-Way	3	1	03 Worn/Smooth Tires	1	1	03 Making Left Turn		
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space		
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked		
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm			2 Primarily Residential		2 Not on Road
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit	1	1	3 Open Country		3 Shoulder
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational					4 Median
15 Improper Passing	22 Fleeing Police		5 Emergency Oper.					5 Turn Lane
16 Drove Left of Center	23 Vehicle Modified		6 Construction/Maintenance					
17 Exceeded Stated Speed Limit	77 Other		Road System Identifier			Road Surface	Light Condition	Road Surface Type
18 Obstructing Traffic			01 Interstate			01 Dry	01 Daylight	01 Slag /Gravel /Stone
			02 U.S.	5		02 Wet	02 Dusk	02 Blacktop
			03 State			03 Slippery	03 Dawn	03 Brick / Block
			04 County			04 Icy	04 Dark (Street Light)	04 Concrete
			05 Local			77 Other	05 Dark (No Street Light)	05 Dirt
			06 Turnpike/Toll			Weather		77 Other
			07 Forest Road			01 Clear	03 Rain	04 Fog
			08 Unknown			02 Cloudy	04 Fog	
			77 All Other					
First/Subsequent Harmful Event								
01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators						
02 Collision with MV in Transport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road						
03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Object						
04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road						
05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert						
06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water						
07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned						
08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle						
09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed						
10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire						
11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion						
12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other						
Contributing Causes - Road		Contributing Causes - Environment	Traffic Control		Site Location		Traffic Character	
01 No Defects	1	01 Vision Not Obscured	01 No Control	11 No Pass Zone	01 Not at Intersection/ RR Xing / Bridge	1 Straight Level		
02 Obstruction With / Without Warning		02 Inclement Weather	02 School Zone	77 All Other	02 At Intersection	2 Straight - Upgrade/Downgrade	1	
03 Road Under Repair / Construction		03 Parked/Stopped Vehicle	03 Traffic Signal		03 Influenced by Intersection	3 Curve - Level		
04 Loose Surface Materials		04 Trees/Crops/Bushes	04 Stop Sign		04 Driveway Access	4 Curve-Upgrade/Downgrade		
05 Shoulders - Soft/Low/High		05 Load on Vehicle	05 Yield Sign	3	05 Railroad Crossing	Type Shoulder		
06 Holes/Ruts/Unsafe Paved Edge		06 Building/Fixed Object	06 Flashing Light		06 Bridge	11 Private Prop.		
07 Standing Water		07 Signs/Billboards	07 Railroad Signal		07 Entrance Ramp	77 Other		
08 Worn/Polish Surface		08 Fog	08 Officer / Guard / Flagmen		08 Exit Ramp		1 Paved	
77 All Other		09 Smoke	09 Posted No U-Turn		09 Public Parking Lot		2 Unpaved	
		10 Glare	10 Special Speed Zone		10 Private Parking Lot		3 Curb	
		77 All Other					2	
Violator	FL Statute Number	Charge				Citation #		
Was Investigation Made at Scene?		Is Investigation Complete		Date of Report	Photos Taken?		Investigating Agency	
X	1 Yes	X	1 Yes	2/20/92		Yes		
	2 No, Where?		2 No- Why?			No		

Figure 143. Florida Crash Report—Report 2 (continued)

EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/34	Date of Crash 2/20/92	Report No. 2
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**NARRATIVE**

V1 was Southbound on Newell Drive. V2 was Eastbound on SR24 on the sidewalk on the North side of the road. V1 approached the red light at SR24 and did not see V2. V1 went through the crosswalk area and struck V2. Driver V2 refused medical treatment at the scene.

**Figure 143. Florida Crash Report—Report 2 (continued)**



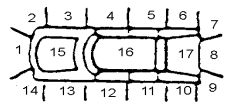

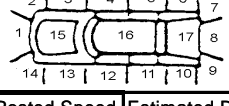
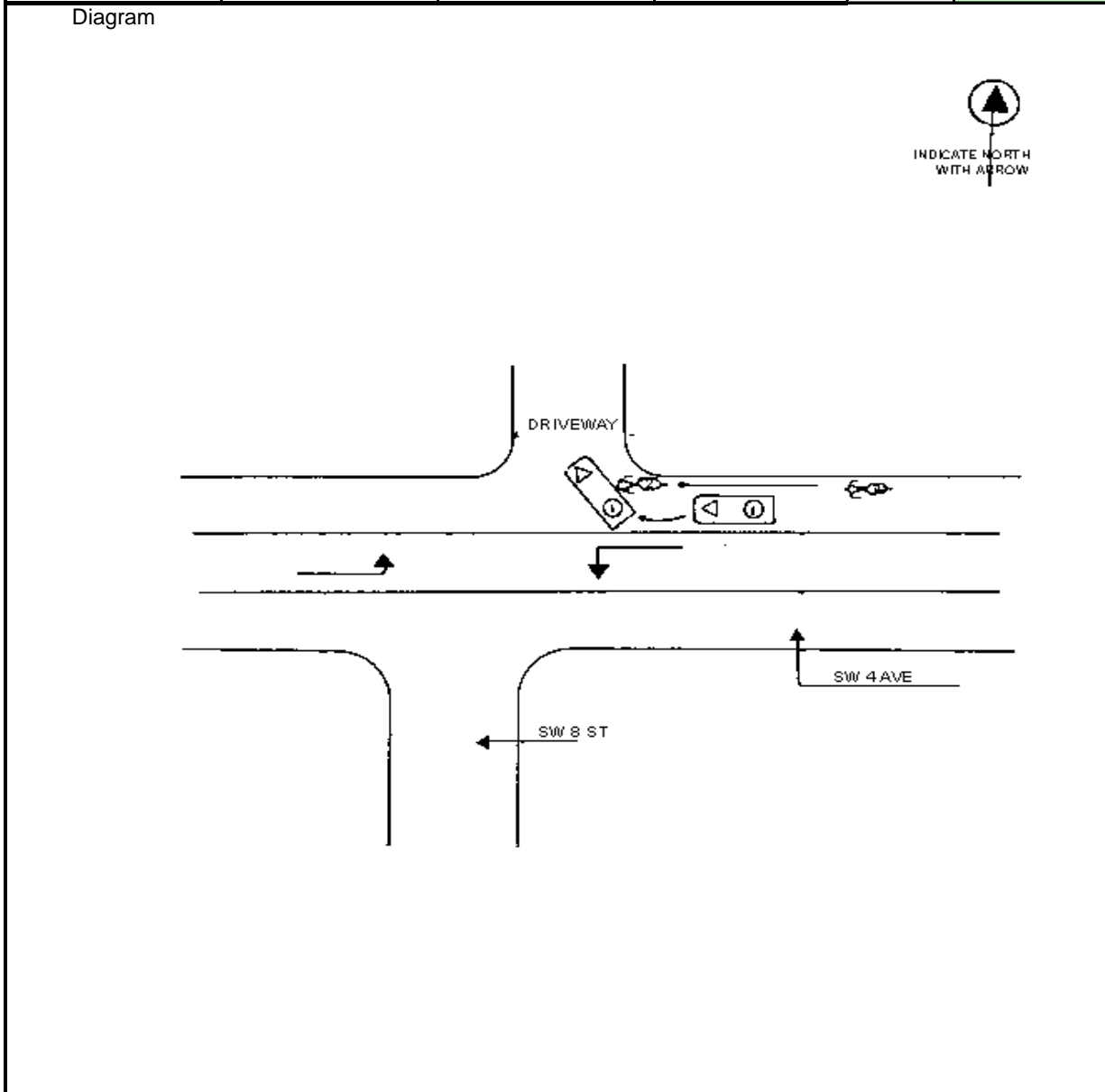
Time & Location	Date of Crash 3/16/92	Time of Crash AM 1:15 PM	Time Officer Notified AM 1:33 PM	Time Officer Arrived AM 1:39 PM	Agency Report No.	Crash Report No. <b>REPORT 3</b>				
	County/City Code 11/34	Feet or Miles	N S E W	City or Town GAINESVILLE, FL	In City/Town? Y	County ALACHUA				
	No. of Lanes 2	<input type="checkbox"/> Divided <input checked="" type="checkbox"/> Undivided	On street, Road, or Highway SW 4 Avenue							
	At Intersection of between node 10402 and 10401	N S E W	Feet/Miles of Intersection 5 feet	SW 8 Street						
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 86	Make Honda	Type 1	Use	 POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer				
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W	On		Posted Speed 30	Estimated Damage \$ 100		1 Disabling 2 Functional 3 No Damage 2			
Vehicle	SW 4 Avenue AT ? Est. MPH			Vehicle Removed By		1 Tow Rotation 2 Tow Owner's 3 Driver 3				
BAC TEST	5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 1	S. Equip 2	Eject 1
1 Blood 3 Urine	2 Breath 4 Refusec 5 None		Hazardous Mat. 1 None 3 Explosives 5 Corrosive Material 7 Other Transported 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.		1	Driving Ability Questionable 1 Yes 2 No 3 NA RECOMMEND RE-EXAM		2		4 Other
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 91	Make Schwinn	Type 10	Use	 POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer				
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	On		Posted Speed 30	Estimated Damage \$ 0		1 Disabling 2 Functional 3 No Damage 2			
Vehicle	SW 4 Avenue AT 5 Est. MPH			Vehicle Removed By		1 Tow Rotation 2 Tow Owner's 3 Driver 3				
BAC TEST	5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 2	S. Equip 1	Eject 2
1 Blood 3 Urine	2 Breath 4 Refusec 5 None		Hazardous Mat. 1 None 3 Explosives 5 Corrosive Material 7 Other Transported 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.		1	Driving Ability Questionable 1 Yes 2 No 3 NA RECOMMEND RE-EXAM		2		4 Other
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	 POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer				
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On		Posted Speed	Estimated Damage \$		1 Disabling 2 Functional 3 No Damage			
Vehicle	AT Est. MPH			Vehicle Removed By		1 Tow Rotation 2 Tow Owner's 3 Driver 3				
BAC TEST		Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject
1 Blood 3 Urine	2 Breath 4 Refusec 5 None		Hazardous Mat. 1 None 3 Explosives 5 Corrosive Material 7 Other Transported 2 Flam. Liquid 4 Poison. Gas 6 Radioactive Mater.			Driving Ability Questionable 1 Yes 2 No 3 NA RECOMMEND RE-EXAM				4 Other
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)			
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left			
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center			
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right			
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left			
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center			
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right			
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		Safety Equipment		7 Body of truck			
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		1 Not in use		8 Bus Passenger			
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		2 Seat Belt / Shoulder Harness		9 Other			
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		3 Child Restraint		Ejected			
11 Moped	11 Other Government		Required Endorsements		4 Air Bag		1 No			
12 All Terrain Vehicle	77 Other		1 Yes 2 No 3 NR		5 Safety Helmet		2 Yes			
13 Train	DL Type	Residence	Sex 1 Female 2 Male		6 Eye Protection		3 Partial			
77 Other	1 A 2 B 3 C	1 County of Crash								
	4 D/Chauffeur 7 None	2 Elsewhere in State								
	5 E/Operator	3 Non-Resident (State)								
	6 E/Oper-Rest	4 Foreign 5 Unknown								

Figure 144. Florida Crash Report—Report 3

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement					
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3			
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	5	1			
03 Failed to Yield Right-of-Way	77	77	03 Worn/Smooth Tires	1	1	03 Making Left Turn					
04 Improper Backing			04 Defective/Improper Lights			04 Backing	11	Passing			
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn	12	Driverless or runaway Veh.			
06 Alcohol-Under Influence			06 Steering Mech.	77	All Other (Explain)	06 Changing Lanes	77	All Other (Explain)			
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space					
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked					
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway			
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road			
12 Exceeded Safe Speed Limit	19	Improper Load	2 Farm			2 Primarily Residential		2 Not on Road			
13 Disregarded Traffic Signal	20	Disregarded Other Traffic Control	3 Police Pursuit	1	1	3 Open Country		3 Shoulder			
14 Failed to Maintain Equip./Veh.	21	Driving Wrong Side/Way	4 Recreational			5 Emergency Oper.		4 Median			
15 Improper Passing	22	Fleeing Police	6 Construction/Maintenance					5 Turn Lane			
16 Drove Left of Center	23	Vehicle Modified									
17 Exceeded Stated Speed Limit	77	Other									
18 Obstructing Traffic											
Pedestrian Action			Road System Identifier		Road Surface		Light Condition		Road Surface Type		
01 Crossing Not at Intersection	1	2 3	01 Interstate		01 Dry	1	01 Daylight		01 Slag /Gravel /Stone		
02 Crossing at Mid-block Crosswalk			02 U.S.	5	02 Wet		02 Dusk	1	02 Blacktop		
03 Crossing at Intersection			03 State		03 Slippery		03 Dawn		03 Brick / Block		
04 Walking along Road with Traffic			04 County		04 Icy	77	04 Dark (Street Light)		04 Concrete		
05 Walking Along Road Against Traffic	09	Standing in Pedestrian Island	05 Local		Weather		1	05 Dark (No Street Light)	05 Dirt	2	
06 Working on Vehicle in Road	77	All Other	06 Turnpike/Toll		01 Clear	03	Rain	77	Other		
07 Other Working in Road	88	Unknown	07 Forest Road		02 Cloudy	04	Fog	88	Unknown		
08 Standing/Playing in Road			77 All Other								
First/Subsequent Harmful Event											
01 Collision with MV in Transport (Rear End)	13	Collision with Moped	25	Collision with Crash Attenuators							
02 Collision with MV in Transport (Head-on)	14	Collision with Train	26	Collision with Fixed Object Above Road							
03 Collision with MV in Transport (Angle)	15	Collision with Animal	27	MV Hit Other Fixed Object							
04 Collision with MV in Transport (Left Turn)	16	MV Hit Sign/Sign Post	28	Collision with Moveable Object on Road							
05 Collision with MV in Transport (Right Turn)	17	MV Hit Utility Pole/Light Pole	29	MV Ran into Ditch/Culvert							
06 Collision with MV in Transport (Sideswipe)	18	MV Hit Guardrail	30	Ran Off Road into Water							
07 Collision with MV in Transport (Backed Into)	19	MV Hit Fence	31	Overtuned							
08 Collision with Parked Car	20	MV Hit Concrete Barrier Wall	32	Occupant Fell from Vehicle							
09 Collision with MV on Other Roadway	21	MV Hit Bridge Pier Abutment/Rail	33	Tractor/Trailer Jackknifed				3			
10 Collision with Pedestrian	22	MV Hit Tree/Shrubbery	34	Fire							
11 Collision with Bicycle	23	Collision w/Construction Barricade/Sign	35	Explosion							
12 Collision with Bicycle (Bike Lane)	24	Collision with Traffic Gates	77	All Other							
Contributing Causes - Road		Contributing Causes - Environment		Traffic Control		Site Location		Traffic Character			
01 No Defects	1	01 Vision Not Obscured		01 No Control	11	No Pass Zone	01 Not at Intersection/ RR Xing / Bridge	1	Straight Level		
02 Obstruction With / Without Warning		02 Inclement Weather		02 School Zone	77	All Other	02 At Intersection	4	2 Straight - Upgrade/Downgrade	1	
03 Road Under Repair / Construction		03 Parked/Stopped Vehicle		03 Traffic Signal			03 Influenced by Intersection		3 Curve - Level		
04 Loose Surface Materials		04 Trees/Crops/Bushes		04 Stop Sign	11		04 Driveway Access		4 Curve-Upgrade/Downgrade		
05 Shoulders - Soft/Low/High		05 Load on Vehicle		05 Yield Sign			05 Railroad Crossing		Type Shoulder		
06 Holes/Ruts/Unsafe Paved Edge		06 Building/Fixed Object		06 Flashing Light			06 Bridge	11	Private Prop.		
07 Standing Water		07 Signs/Billboards	1	07 Railroad Signal			07 Entrance Ramp	77	Other		
08 Worn/Polish Surface		08 Fog		08 Officer / Guard / Flagmen			08 Exit Ramp				
77 All Other		09 Smoke		09 Posted No U-Turn			09 Public Parking Lot		1	Paved	
		10 Glare		10 Special Speed Zone			10 Private Parking Lot		2	Unpaved	
		77 All Other							3	Curb	
Violator	FL Statute Number	Charge					Citation #				
Was Investigation Made at Scene?		Is Investigation Complete			Date of Report	Photos Taken?		Investigating Agency			
<input type="checkbox"/>	1 Yes	<input checked="" type="checkbox"/>			1 Yes	<input type="checkbox"/>		Yes			
<input checked="" type="checkbox"/>	2 No, Where?	<input type="checkbox"/>			2 No- Why?	<input checked="" type="checkbox"/>		No			

Figure 144. Florida Crash Report—Report 3 (continued)

EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/34	Date of Crash 3/16/92	Report No. 3
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NARRATIVE

V-1, V-2 were Westbound on SW 4 Avenue. V-1 pulled up to entrance to the driveway, paused for traffic in parking lot and attempted to turn right into parking lot. V-2 approached and collided with V-1. The driver of V-2 was ejected from V-2. The point of impact occurred in the 800 block of SW4 Avenue.

**Figure 144. Florida Crash Report—Report 3 (continued)**

Time & Location	Date of Crash 3/22/92	Time of Crash AM 5:00 PM	Time Officer Notified AM 5:19 PM	Time Officer Arrived AM 5:26 PM	Agency Report No	Crash Report No. <b>REPORT 4</b>					
	County/City Code 11/34	Feet or Miles	N S E W	City or Town GAINESVILLE, FL	In City/Town? Y	County ALACHUA					
	No. of Lanes 4	<input checked="" type="checkbox"/> Divided <input type="checkbox"/> Undivided	On street, Road, or Highway SR 226								
	At Intersection of between node 729 and 728	N S E W	Feet/Miles of Intersection 150 ft.	Intersection SW 10 Street							
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 82	Make Honda	Type 1	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	<input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On									
Vehicle	Parking Lot (SR226)			AT 5 Est. MPH	Posted Speed 5	Estimated Damage \$ 250	1 Disabling 2 Functional 3 No Damage Vehicle Removed By 2				
BAC TEST	5	Results	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 1	S. Equip 2	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Hazardous Mat. Transported	1 None	3 Explosives	5 Corrosive Material	7 Other	1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	2		
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 90	Make Mia	Type 10	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W	On									
Vehicle	SR 226			AT 20 Est. MPH	Posted Speed 30	Estimated Damage \$ 0	1 Disabling 2 Functional 3 No Damage Vehicle Removed By 2				
BAC TEST	5	Results	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 4	S. Equip 1	Eject 3	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Hazardous Mat. Transported	1 None	3 Explosives	5 Corrosive Material	7 Other	1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	2		
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On									
Vehicle				AT Est. MPH	Posted Speed	Estimated Damage \$	1 Disabling 2 Functional 3 No Damage Vehicle Removed By				
BAC TEST		Results	AL /Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Hazardous Mat. Transported	1 None	3 Explosives	5 Corrosive Material	7 Other		Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA			
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect				7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		Safety Equipment		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		1 Not in use		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		2 Seat Belt / Shoulder Harness		Ejected				
11 Moped	11 Other Government	DL Type	Residence		3 Child Restraint		1 No				
12 All Terrain Vehicle	77 Other	1 A 2 B 3 C	1 County of Crash		4 Air Bag		2 Yes				
13 Train		4 D/Chauffeur 7 None	2 Elsewhere in State		5 Safety Helmet		3 Partial				
77 Other		5 E/Operator	3 Non-Resident (State)		6 Eye Protection						
		6 E/Oper-Rest	4 Foreign 5 Unknown		Required Endorsements						
					1 Yes 2 No 3 NR						
					Sex 1 Female 2 Male						

Figure 145. Florida Crash Report—Report 4

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement		
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	1	1
03 Failed to Yield Right-of-Way	3	1	03 Worn/Smooth Tires	1	1	03 Making Left Turn		
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space		
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked		
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm			2 Primarily Residential		2 Not on Road
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit	1	1	3 Open Country		3 Shoulder
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational			5 Emergency Oper.		4 Median
15 Improper Passing	22 Fleeing Police		6 Construction/Maintenance					5 Turn Lane
16 Drove Left of Center	23 Vehicle Modified							
17 Exceeded Stated Speed Limit	77 Other							
18 Obstructing Traffic								
Pedestrian Action			Road System Identifier	Road Surface	Light Condition	Road Surface Type		
01 Crossing Not at Intersection	1	2 3	01 Interstate	01 Dry	1	01 Daylight		
02 Crossing at Mid-block Crosswalk			02 U.S.	02 Wet		02 Dusk	1	01 Slag /Gravel /Stone
03 Crossing at Intersection			03 State	03 Slippery		03 Dawn		02 Blacktop
04 Walking along Road with Traffic			04 County	04 Icy	77 Other	04 Dark (Street Light)		03 Brick / Block
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		05 Local	Weather		05 Dark (No Street Light)		04 Concrete
06 Working on Vehicle in Road	77 All Other		06 Turnpike/Toll	01 Clear	03 Rain	77 Other		05 Dirt
07 Other Working in Road	88 Unknown		07 Forest Road	02 Cloudy	04 Fog	88 Unknown		77 Other
08 Standing/Playing in Road			77 All Other					
First/Subsequent Harmful Event								
01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators						
02 Collision with MV in Transport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road						
03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Object						
04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road						
05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert						
06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water						
07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned						
08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle						
09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed					11	
10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire						
11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion						
12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other						
Contributing Causes - Road	Contributing Causes - Environment	Traffic Control	Site Location	Traffic Character				
01 No Defects	01 Vision Not Obscured	01 No Control	01 Not at Intersection/ RR Xing / Bridge	1 Straight Level				
02 Obstruction With / Without Warning	02 Inclement Weather	11 No Pass Zone	02 At Intersection	2 Straight - Upgrade/Downgrade	2D			
03 Road Under Repair / Construction	03 Parked/Stopped Vehicle	02 School Zone	03 Influenced by Intersection	3 Curve - Level				
04 Loose Surface Materials	04 Trees/Crops/Bushes	03 Traffic Signal	04 Driveway Access	4 Curve-Upgrade/Downgrade				
05 Shoulders - Soft/Low/High	05 Load on Vehicle	04 Stop Sign	05 Railroad Crossing	Type Shoulder				
06 Holes/Ruts/Unsafe Paved Edge	06 Building/Fixed Object	05 Yield Sign	06 Bridge	1 Paved				
07 Standing Water	07 Signs/Billboards	06 Flashing Light	07 Entrance Ramp	2 Unpaved	1			
08 Worn/Polish Surface	08 Fog	07 Railroad Signal	08 Exit Ramp	3 Curb				
77 All Other	09 Smoke	08 Officer / Guard / Flagmen	09 Public Parking Lot					
	10 Glare	09 Posted No U-Turn	10 Private Parking Lot					
	77 All Other	10 Special Speed Zone						
Violator	FL Statute Number	Charge		Citation #				
1	316.123	Motorist failed to yield						
Was Investigation Made at Scene?		Is Investigation Complete		Date of Report	Photos Taken?			
X	1 Yes	X	1 Yes	3/22/92	Yes			
	2 No, Where?		2 No- Why?		No			
Investigating Agency								

Figure 145. Florida Crash Report—Report 4 (continued)


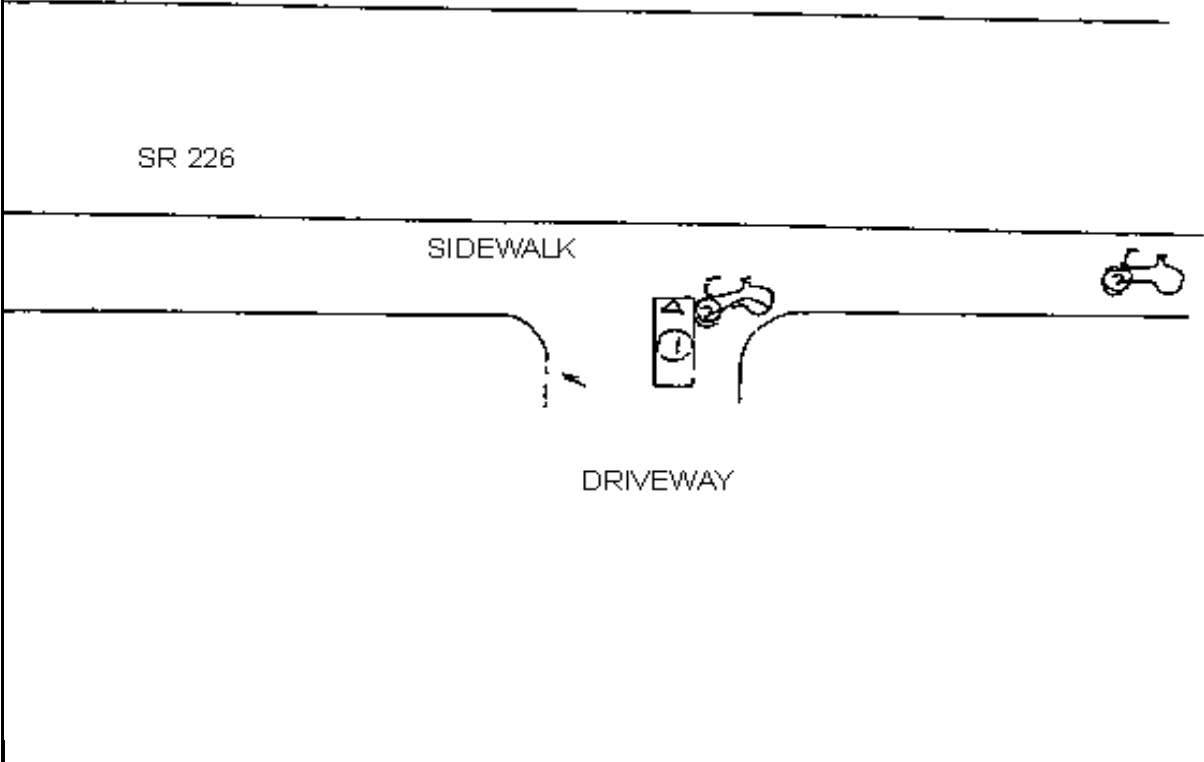
EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/34	Date of Crash 3/22/92	Report No. 4
DIAGRAM					
 INDICATE NORTH WITH ARROW					
					
NARRATIVE					
V #2 was westbound on the sidewalk at SR 226. V #1 was exiting a driveway along SR 226. V#1 pulled in path of V #2. V#2 struck V#1.					

Figure 145. Florida Crash Report—Report 4 (continued)

Time & Location	Date of Crash 4/8/92	Time of Crash 11:49 AM	Time Officer Notified 11:49 AM	Time Officer Arrived 11:53 AM	Agency Report No	Crash Report No. <b>REPORT 5</b>						
	County/City Code 11/50	Feet or Miles	N S E W	City or Town GAINESVILLE, FL	In City/Town? Y	County ALACHUA						
	No. of Lanes 2	<input type="checkbox"/> Divided <input checked="" type="checkbox"/> Undivided	On street, Road, or Highway <i>Fletcher Dr.</i>									
	At Intersection of <i>Dauer Hall parking Lot</i>	N S E W	Feet/Miles of Intersection									
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 86	Make <i>Schwinn</i>	Type 10	Use							
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	On <i>Fletcher Dr.</i> AT 10 Est. MPH					POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	BAC TEST 1 Blood 3 Urine 2 Breath 4 Refusec 5 None	Results 5	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 3	S. Equip	Eject	1 Disabling 2 Functional 3 No Damage	1
Ped	Hazardous Mat. 1 None Transported 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	2		4 Other 3		
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 90	Make <i>Mazda</i>	Type 1	Use							
Vehicle Traveling	<input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On <i>Fletcher Dr.</i> AT 10 Est. MPH					POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	BAC TEST 1 Blood 3 Urine 2 Breath 4 Refusec 5 None	Results 5	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 1	S. Equip 2	Eject 1	1 Disabling 2 Functional 3 No Damage	2
Ped	Hazardous Mat. 1 None Transported 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	2		4 Other 3		
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use							
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On <i>Fletcher Dr.</i> AT Est. MPH					POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	BAC TEST 1 Blood 3 Urine 2 Breath 4 Refusec 5 None	Results	AL /Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Disabling 2 Functional 3 No Damage	
Ped	Hazardous Mat. 1 None Transported 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA			4 Other		
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects	Alcohol/Drug Use	Location (in Vehicle)							
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known	1 Not Drinking or using drugs	1 Front Left							
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect	2 Alcohol-Under Influence	2 Front Center							
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep	3 Drugs- Under Influence	3 Front Right							
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect	4 Alcohol & Drugs-Under Influence	4 Rear Left							
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness	5 Had Been Drinking	5 Rear Center							
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout	6 Pending BAC Test Result	6 Rear Right							
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		7 Body of truck							
08 Bus	08 Law Enforcement	08 Pole Tractor			8 Bus Passenger							
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle			9 Other							
10 Motorcycle	10 Military	77 Other			Ejected							
11 Moped	11 Other Government				1 No							
12 All Terrain Vehicle	77 Other				2 Yes							
13 Train					3 Partial							
77 Other												
	DL Type	Residence	Required Endorsements	Safety Equipment								
	1 A 2 B 3 C	1 County of Crash	1 Yes 2 No 3 NR	1 Not in use								
	4 D/Chauffeur 7 None	2 Elsewhere in State	Sex 1 Female 2 Male	2 Seat Belt / Shoulder Harness								
	5 E/Operator	3 Non-Resident (State)		3 Child Restraint								
	6 E/Oper-Rest	4 Foreign 5 Unknown		4 Air Bag								
				5 Safety Helmet								
				6 Eye Protection								

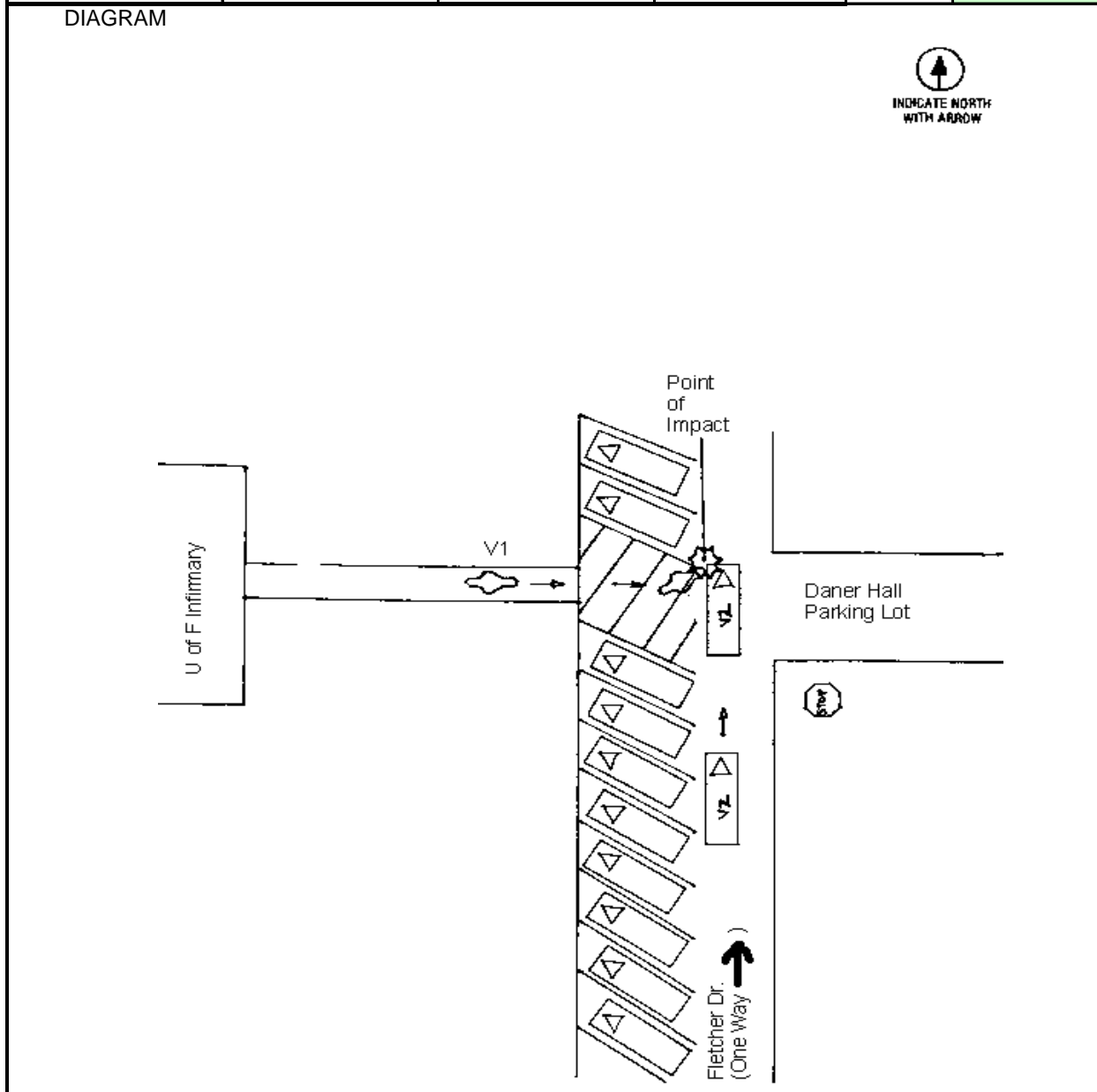
Figure 146. Florida Crash Report—Report 5

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement		
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	3	1
03 Failed to Yield Right-of-Way	3	1	03 Worn/Smooth Tires	1	1	03 Making Left Turn		
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space		
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked		
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm			2 Primarily Residential		2 Not on Road
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit	1	1	3 Open Country		3 Shoulder
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational			5 Emergency Oper.		4 Median
15 Improper Passing	22 Fleeing Police		6 Construction/Maintenance					5 Turn Lane
16 Drove Left of Center	23 Vehicle Modified							
17 Exceeded Stated Speed Limit	77 Other							
18 Obstructing Traffic								
Pedestrian Action			Road System Identifier	Road Surface	Light Condition	Road Surface Type		
01 Crossing Not at Intersection	1	2 3	01 Interstate	01 Dry	1	01 Daylight		
02 Crossing at Mid-block Crosswalk			02 U.S.	02 Wet		02 Dusk	1	01 Slag /Gravel /Stone
03 Crossing at Intersection			03 State	03 Slippery		03 Dawn		02 Blacktop
04 Walking along Road with Traffic			04 County	04 Icy		04 Dark (Street Light)		03 Brick / Block
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		05 Local	77 Other		05 Dark (No Street Light)		04 Concrete
06 Working on Vehicle in Road	77 All Other		06 Turnpike/Toll	Weather				05 Dirt
07 Other Working in Road			07 Forest Road	01 Clear	03 Rain	77 Other	88 Unknown	77 Other
08 Standing/Playing in Road	88 Unknown		77 All Other	02 Cloudy	04 Fog			
First/Subsequent Harmful Event								
01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators						
02 Collision with MV inTransport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road						
03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Objevct						
04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road						
05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert						
06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water						
07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned						
08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle						
09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed						3 First
10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire						
11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion						
12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other						
Contributing Causes - Road	Contributing Causes - Environment	Traffic Control	Site Location	Traffic Character				
01 No Defects	01 Vision Not Obscured	01 No Control	01 Not at Intersection/ RR Xing / Bridge	1 Straight Level				
02 Obstruction With / Without Warning	02 Inclement Weather	11 No Pass Zone	02 At Intersection	2 Straight - Upgrade/Downgrade				
03 Road Under Repair / Construction	03 Parked/Stopped Vehicle	77 All Other	03 Influenced by Intersection	3 Curve - Level				
04 Loose Surface Materials	04 Trees/Crops/Bushes	04 Stop Sign	04 Driveway Access	4 Curve- Upgrade/Downgrade				
05 Shoulders - Soft/Low/High	05 Load on Vehicle	05 Yield Sign	05 Railroad Crossing	Type Shoulder				
06 Holes/Ruts/Unsafe Paved Edge	06 Building/Fixed Object	06 Flashing Light	06 Bridge	1 Paved				
07 Standing Water	07 Signs/Billboards	07 Railroad Signal	11 Private Prop.	2 Unpaved				
08 Worn/Polish Surface	08 Fog	08 Officer / Guard / Flagmen	07 Entrance Ramp	3 Curb				
77 All Other	09 Smoke	09 Posted No U-Turn	08 Exit Ramp					
	10 Glare	10 Special Speed Zone	09 Public Parking Lot					
	77 All Other		10 Private Parking Lot					
Violator	FL Statute Number	Charge	Citation #					
V1	316.123	Violation, right of way						
Was Investigation Made at Scene?								
X	1 Yes	Is Investigation Complete	Date of Report	Photos Taken?				
	2 No, Where?	X	4/8/92	Yes				
				No				
Investigating Agency								

Figure 146. Florida Crash Report—Report 5 (continued)



EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/50	Date of Crash 4/8/92	Report No. 5
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NARRATIVE

V1 TRAVELING EAST BOUND ON THE SIDEWALK FROM THE INFIRMARY TOWARDS FLETCHER DR. V2 TRAVELING NORTH BOUND ON FLETCHER DR BY THE INFIRMARY. V1 COMES OUT ONTO FLETCHER FROM BETWEEN 2 PARKED VEHICLES AND HITS V2 ON ITS LEFT FRONT SIDE. THE DRIVER OF V1 WAS TREATED AT THE INFIRMARY FOR MINOR INJURIES. THE DRIVER OF V2 WAS NOT INJURED.

Figure 146. Florida Crash Report—Report 5 (continued)

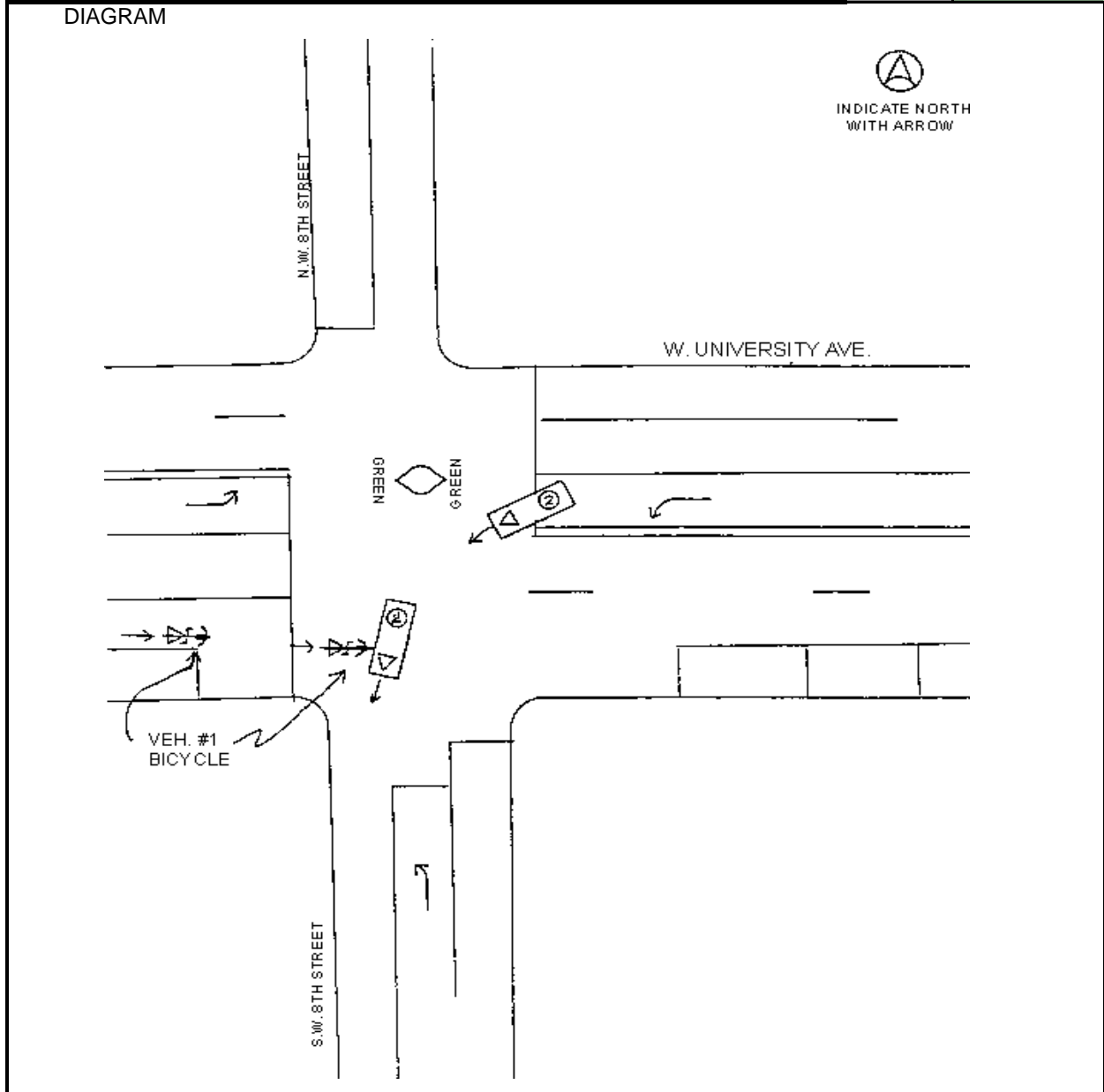
Time & Location	Date of Crash 4/29/92	Time of Crash AM 6:15 PM	Time Officer Notified AM 6:21 PM	Time Officer Arrived AM 6:27 PM	Agency Report No	Crash Report No. <b>REPORT 6</b>					
	County/City Code 11/34	Feet or Miles	N S E W	City or Town GAINESVILLE, FL	In City/Town? Y	County ALACHUA					
	No. of Lanes 4	<input checked="" type="checkbox"/> Divided <input type="checkbox"/> Undivided	On street, Road, or Highway SR 26 (W. Univ. Ave.)								
At Intersection of	S.W. 8th St.	N S E W	Feet/Miles	of Intersection between node 732 and 731							
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 3 90	Make Raleigh	Type 10	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	1 SR 26 (W. Univ. Ave)	AT 20 Est. MPH	Posted Speed 30	Estimated Damage \$ 150	1 Disabling 2 Functional 3 No Damage 1						
BAC TEST	5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 1	S. Equip 1	Eject 2	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM	1 Yes 2 No 3 NA	2	3	4	5	6
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 3 87	Make Toyota	Type 4	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	2 SR 26 (W. Univ. Ave)	AT 15 Est. MPH	Posted Speed 30	Estimated Damage \$ 500	1 Disabling 2 Functional 3 No Damage 2						
BAC TEST	5	Results	AL/Drugs 1	Phys. Def. 1	Res. 2	Race 2	Sex 1	Inj. 1	S. Equip 2	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM	1 Yes 2 No 3 NA	2	3	4	5	6
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	AT Est. MPH	Posted Speed	Estimated Damage	\$	1 Disabling 2 Functional 3 No Damage						
BAC TEST		Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other	Driving Ability Questionable RECOMMEND RE-EXAM	1 Yes 2 No 3 NA					
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		Safety Equipment		7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		1 Not in use		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		2 Seat Belt / Shoulder Harness		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		3 Child Restraint		Ejected				
11 Moped	DL Type	Residence	Required Endorsements		4 Air Bag		1 No				
12 All Terrain Vehicle	1 A 2 B 3 C	1 County of Crash	1 Yes 2 No 3 NR		5 Safety Helmet		2 Yes				
13 Train	4 D/Chauffeur 7 None	2 Elsewhere in State	Sex		6 Eye Protection		3 Partial				
77 Other	5 E/Operator 6 E/Oper-Rest	3 Non-Resident (State)	1 Female 2 Male								
		4 Foreign 5 Unknown									

Figure 147. Florida Crash Report—Report 6

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement					
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3			
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	1	3			
03 Failed to Yield Right-of-Way	1	3	03 Worn/Smooth Tires	1	1	03 Making Left Turn					
04 Improper Backing			04 Defective/Improper Lights			04 Backing	11	Passing			
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn	12	Driverless or runaway Veh.			
06 Alcohol-Under Influence			06 Steering Mech.	77	All Other (Explain)	06 Changing Lanes	77	All Other (Explain)			
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space					
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked					
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway			
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road			
12 Exceeded Safe Speed Limit	19	Improper Load	2 Farm			2 Primarily Residential		2 Not on Road			
13 Disregarded Traffic Signal	20	Disregarded Other Traffic Control	3 Police Pursuit	1	1	3 Open Country		3 Shoulder			
14 Failed to Maintain Equip./Veh.	21	Driving Wrong Side/Way	4 Recreational			5 Emergency Oper.		4 Median			
15 Improper Passing	22	Fleeing Police	6 Construction/Maintenance					5 Turn Lane			
16 Drove Left of Center	23	Vehicle Modified									
17 Exceeded Stated Speed Limit	77	Other									
18 Obstructing Traffic											
Pedestrian Action			Road System Identifier		Road Surface		Light Condition		Road Surface Type		
01 Crossing Not at Intersection	1	2 3	01 Interstate		01 Dry	1	01 Daylight		01 Slag /Gravel /Stone		
02 Crossing at Mid-block Crosswalk			02 U.S.	3	02 Wet		02 Dusk	1	02 Blacktop		
03 Crossing at Intersection			03 State		03 Slippery		03 Dawn		03 Brick / Block		
04 Walking along Road with Traffic			04 County		04 Icy	77	04 Dark (Street Light)		04 Concrete		
05 Walking Along Road Against Traffic	09	Standing in Pedestrian Island	05 Local		Weather		1	05 Dark (No Street Light)	05 Dirt	2	
06 Working on Vehicle in Road	77	All Other	06 Turnpike/Toll		01 Clear	03	Rain	77	Other		
07 Other Working in Road	88	Unknown	18 MV Hit Guardrail		02 Cloudy	04	Fog	88	Unknown		
08 Standing/Playing in Road			19 MV Hit Fence								
<b>First/Subsequent Harmful Event</b>											
01 Collision with MV in Transport (Rear End)	13	Collision with Moped	25	Collision with Crash Attenuators							
02 Collision with MV in Transport (Head-on)	14	Collision with Train	26	Collision with Fixed Object Above Road							
03 Collision with MV in Transport (Angle)	15	Collision with Animal	27	MV Hit Other Fixed Object							
04 Collision with MV in Transport (Left Turn)	16	MV Hit Sign/Sign Post	28	Collision with Moveable Object on Road							
05 Collision with MV in Transport (Right Turn)	17	MV Hit Utility Pole/Light Pole	29	MV Ran into Ditch/Culvert							
06 Collision with MV in Transport (Sideswipe)	18	MV Hit Guardrail	30	Ran Off Road into Water							
07 Collision with MV in Transport (Backed Into)	19	MV Hit Fence	31	Overtuned							
08 Collision with Parked Car	20	MV Hit Concrete Barrier Wall	32	Occupant Fell from Vehicle							
09 Collision with MV on Other Roadway	21	MV Hit Bridge Pier Abutment/Rail	33	Tractor/Trailer Jackknifed					11		
10 Collision with Pedestrian	22	MV Hit Tree/Shrubbery	34	Fire							
11 Collision with Bicycle	23	Collision w/Construction Barricade/Sign	35	Explosion							
12 Collision with Bicycle (Bike Lane)	24	Collision with Traffic Gates	77	All Other							
Contributing Causes - Road		Contributing Causes - Environment		Traffic Control		Site Location		Traffic Character			
01 No Defects	1	01 Vision Not Obscured		01 No Control	11	No Pass Zone	01 Not at Intersection/ RR Xing / Bridge	1	1	Straight Level	
02 Obstruction With / Without Warning		02 Inclement Weather		02 School Zone	77	All Other	02 At Intersection	2	2	Straight - Upgrade/Downgrade	1
03 Road Under Repair / Construction		03 Parked/Stopped Vehicle		03 Traffic Signal			03 Influenced by Intersection		3	Curve - Level	
04 Loose Surface Materials		04 Trees/Crops/Bushes		04 Stop Sign			04 Driveway Access		4	Curve- Upgrade/Downgrade	
05 Shoulders - Soft/Low/High		05 Load on Vehicle		05 Yield Sign	3		05 Railroad Crossing			Type Shoulder	
06 Holes/Ruts/Unsafe Paved Edge		06 Building/Fixed Object		06 Flashing Light			06 Bridge	11	Private Prop.		
07 Standing Water		07 Signs/Billboards	1	07 Railroad Signal	10		07 Entrance Ramp	77	Other		
08 Worn/Polish Surface		08 Fog		08 Officer / Guard / Flagmen			08 Exit Ramp			1	Paved
77 All Other		09 Smoke		09 Posted No U-Turn			09 Public Parking Lot			2	Unpaved
		10 Glare		10 Special Speed Zone			10 Private Parking Lot			3	Curb
		77 All Other									
Violator	FL Statute Number	Charge				Citation #					
#2	316.122	Failure to yield to turning left									
Was Investigation Made at Scene?											
X	1	Is Investigation Complete				Date of Report		Photos Taken?		Investigating Agency	
	2	No- Why?				4/29/92		Yes			
								No			

Figure 147. Florida Crash Report—Report 6 (continued)

EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/34	Date of Crash 4/29/92	Report No. 6
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NARRATIVE

Veh. #2 was Westbound in the left turn lane of W. University Ave., attempting to turn left onto S.W. 8th St. Veh. #1 (Bicycle) was Eastbound in the outside lane of W. University Ave. Veh. #2 failed to yield to Veh. #1 (bicycle).

Figure 147. Florida Crash Report—Report 6 (continued)

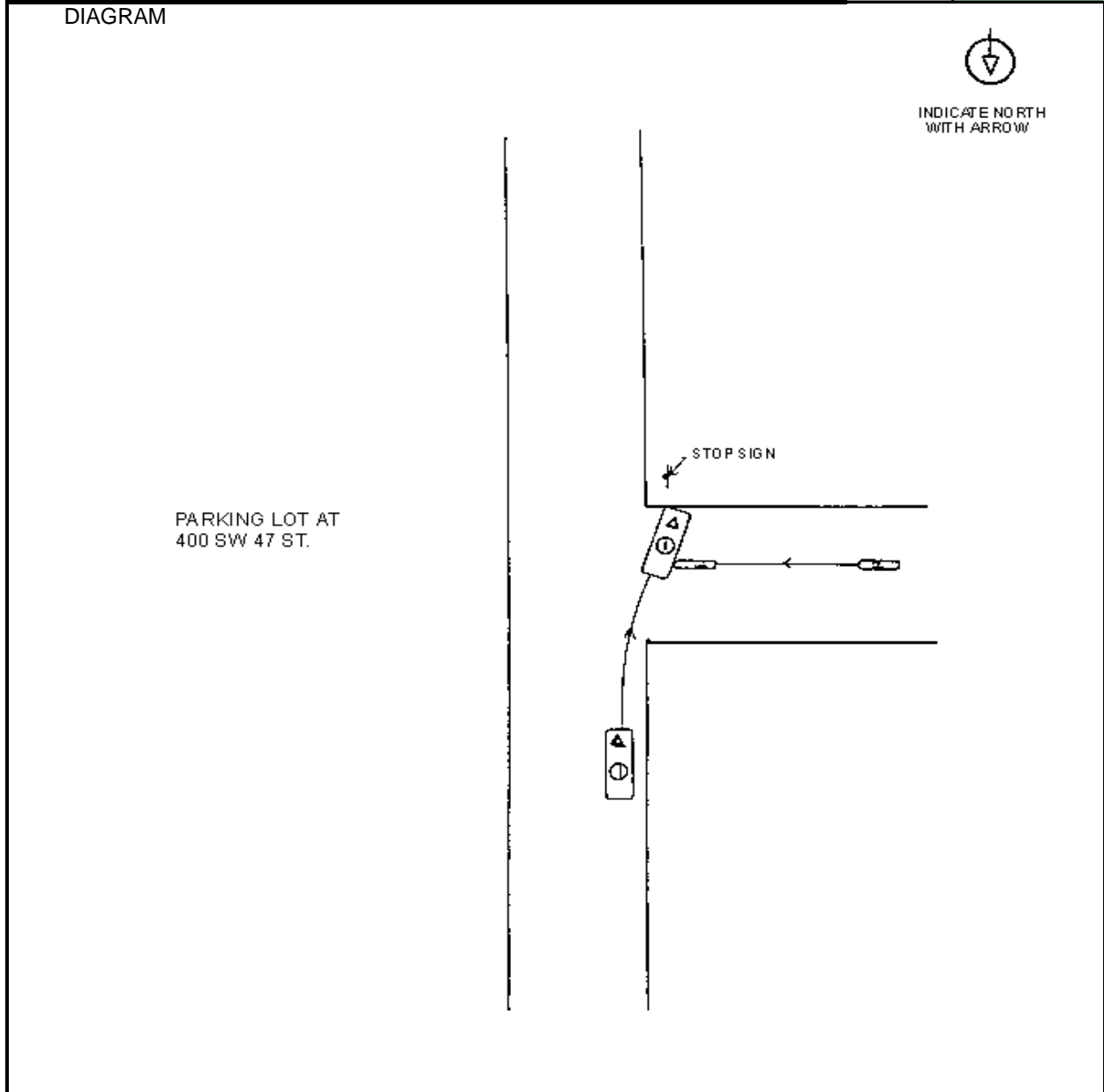
Time & Location	Date of Crash 5/5/92	Time of Crash ___ AM 5:00 PM	Time Officer Notified ___ AM 5:10 PM	Time Officer Arrived ___ AM 5:37 PM	Agency Report No	Crash Report No. REPORT 7					
	County/City Code 11/00	Feet or Miles 4 miles	N S E W N S E W X	City or Town GAINESVILLE, FL	In City/Town? N	County ALACHUA					
	No. of Lanes 2	___ Divided X Undivided	On street, Road, or Highway Parking Lot 4000 SW 47 St.								
	At Intersection of	N S E W X	Feet/Miles of Intersection .3 miles	SR 24							
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 86	Make Chevy	Type 1	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	N X S E W On	Posted Speed N/A		Estimated Damage \$ 20	1 Disabling 2 Functional 3 No Damage Vehicle Removed By 2						
1	Parking Lot AT 5 Est. MPH										
BAC TEST	5	Results	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 1	S. Equip 2	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 3
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Hazardous Mat. Transported	1 None	3 Explosives	5 Corrosive Material	7 Other	1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	2		
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 91	Make Murray	Type 10	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	N S X E W On	Posted Speed N/A		Estimated Damage \$ None	1 Disabling 2 Functional 3 No Damage Vehicle Removed By 3						
2	Parking Lot AT 5 Est. MPH										
BAC TEST	5	Results	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 3	S. Equip 1	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other 4
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Hazardous Mat. Transported	1 None	3 Explosives	5 Corrosive Material	7 Other	1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	3		
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	N S E W On	Posted Speed		Estimated Damage \$	1 Disabling 2 Functional 3 No Damage Vehicle Removed By						
	AT Est. MPH										
BAC TEST		Results	AL /Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Hazardous Mat. Transported	1 None	3 Explosives	5 Corrosive Material	7 Other		Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA	4		
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect				7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		Safety Equipment		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		1 Not in use		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		2 Seat Belt / Shoulder Harness		Ejected				
11 Moped	11 Other Government	DL Type	Residence		3 Child Restraint		1 No				
12 All Terrain Vehicle	77 Other	1 A 2 B 3 C	1 County of Crash		4 Air Bag		2 Yes				
13 Train	4 D/Chauffeur 7 None	2 Elsewhere in State	2 Non-Resident (State)		5 Safety Helmet		3 Partial				
77 Other	5 E/Operator	3 Non-Resident (State)	4 Foreign 5 Unknown		6 Eye Protection						
	6 E/Oper-Rest	4 Foreign 5 Unknown			Sex						
					1 Female 2 Male						

Figure 148. Florida Crash Report—Report 7

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement								
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3						
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	5	1						
03 Failed to Yield Right-of-Way	16	1	03 Worn/Smooth Tires	1	1	03 Making Left Turn								
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing						
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.						
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)						
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space								
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked								
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway						
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road						
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm	1	1	2 Primarily Residential		2 Not on Road						
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit			3 Open Country		3 Shoulder						
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational		5 Emergency Oper.			4 Median						
15 Improper Passing	22 Fleeing Police		6 Construction/Maintenance					5 Turn Lane						
16 Drove Left of Center	23 Vehicle Modified		Road System Identifier			Road Surface		Light Condition						
17 Exceeded Stated Speed Limit	77 Other		01 Interstate			01 Dry	1	01 Daylight						
18 Obstructing Traffic			02 U.S.			02 Wet		02 Dusk						
Pedestrian Action			03 State	5		03 Slippery		03 Dawn						
01 Crossing Not at Intersection	1	2 3	04 County			04 Icy	77 Other	04 Dark (Street Light)						
02 Crossing at Mid-block Crosswalk			05 Local			Weather		05 Dark (No Street Light)						
03 Crossing at Intersection			06 Turnpike/Toll			01 Clear	1	03 Rain						
04 Walking along Road with Traffic			07 Forest Road			02 Cloudy		04 Fog						
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		77 All Other					77 Other						
06 Working on Vehicle in Road	77 All Other		First/Subsequent Harmful Event			Road Surface Type		Road Surface Type						
07 Other Working in Road	88 Unknown		01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators	01 Slag /Gravel /Stone		02 Blacktop						
08 Standing/Playing in Road			02 Collision with MV inTransport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road	03 Brick / Block		03 Brick / Block						
			03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Objevct	04 Concrete		04 Concrete						
			04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road	05 Dirt		05 Dirt						
			05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert	77 Other		77 Other						
			06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water									
			07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned									
			08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle									
			09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed									
			10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire									
			11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion									
			12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other									
Contributing Causes - Road			Contributing Causes - Environment			Traffic Control			Site Location			Traffic Character		
01 No Defects	1		01 Vision Not Obscured			01 No Control	11 No Pass Zone	01 Not at Intersection/ RR Xing / Bridge		1 Straight Level				
02 Obstruction With / Without Warning			02 Inclement Weather			02 School Zone	77 All Other	02 At Intersection	3	2 Straight - Upgrade/Downgrade	1			
03 Road Under Repair / Construction			03 Parked/Stopped Vehicle			03 Traffic Signal		03 Influenced by Intersection		3 Curve - Level				
04 Loose Surface Materials			04 Trees/Crops/Bushes			04 Stop Sign		04 Driveway Access		4 Curve- Upgrade/Downgrade				
05 Shoulders - Soft/Low/High			05 Load on Vehicle			05 Yield Sign	4	05 Railroad Crossing		Type Shoulder				
06 Holes/Ruts/Unsafe Paved Edge			06 Building/Fixed Object			06 Flashing Light		06 Bridge	11 Private Prop.	1 Paved				
07 Standing Water			07 Signs/Billboards	1		07 Railroad Signal		07 Entrance Ramp	77 Other	2 Unpaved				
08 Worn/Polish Surface			08 Fog			08 Officer / Guard / Flagmen		08 Exit Ramp		3 Curb	2			
77 All Other			09 Smoke			09 Posted No U-Turn		09 Public Parking Lot						
			10 Glare			10 Special Speed Zone		10 Private Parking Lot						
			77 All Other											
Violator	FL Statute Number	Charge						Citation #						
#1	316.081	Driving on wrong side of road												
Was Investigation Made at Scene?														
X	1 Yes	Is Investigation Complete						Date of Report		Photos Taken?		Investigating Agency		
	2 No, Where?	X 1 Yes						5/5/92		X Yes				
										No				

Figure 148. Florida Crash Report—Report 7 (continued)

EMS INFO FATALS ONLY	Time EMSNotified	Time EMSNotified	County/City Code 11/00	Date of Crash 5/5/92	Report No. 7
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NARRATIVE

V-2 was headed east. V-1 was headed South, started to turn right, saw V-2 then stopped in road in front of V-2 trying to avoid V-2. There were no skid marks.

Figure 148. Florida Crash Report—Report 7 (continued)

Time & Location	Date of Crash 7/27/92	Time of Crash 11 AM PM	Time Officer Notified 11:03 AM PM	Time Officer Arrived 11:05 AM PM	Agency Report No	Crash Report No. <b>REPORT 8</b>					
	County/City Code 11/32	Feet or Miles	N S E W	City or Town Newberry	In City/Town? Y	County ALACHUA					
	No. of Lanes 2	<input type="checkbox"/> Divided <input checked="" type="checkbox"/> Undivided	On street, Road, or Highway SR 45								
	At Intersection of	N S E W	Feet/Miles 150 ft.	of Intersection SR 26							
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 88	Make Pontiac	Type 1	Use						
Vehicle Traveling	<input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	SR 45	AT 20	Est. MPH	Posted Speed 35		Estimated Damage \$ 0				
BAC TEST	5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 1	S. Equip 2	Eject 1	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM	1 Yes 2 No 3 NA	Vehicle Removed By 1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other				
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make HMM	Type 10	Use						
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	SR 45	AT 5	Est. MPH	Posted Speed 35		Estimated Damage \$ 0				
BAC TEST	5	Results	AL/Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 1	Inj. 3	S. Equip 1	Eject 1	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM	1 Yes 2 No 3 NA	Vehicle Removed By 1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other				
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use						
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W			AT	Est. MPH		Posted Speed	Estimated Damage \$			
BAC TEST		Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other	Driving Ability Questionable RECOMMEND RE-EXAM	1 Yes 2 No 3 NA	Vehicle Removed By 1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other				
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		Safety Equipment		7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		1 Not in use		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		2 Seat Belt / Shoulder Harness		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		3 Child Restraint		Ejected				
11 Moped	DL Type	Residence	Required Endorsements		4 Air Bag		1 No				
12 All Terrain Vehicle	1 A 2 B 3 C	1 County of Crash	1 Yes 2 No 3 NR		5 Safety Helmet		2 Yes				
13 Train	4 D/Chauffeur 7 None	2 Elsewhere in State	Sex		6 Eye Protection		3 Partial				
77 Other	5 E/Operator 6 E/Oper-Rest	3 Non-Resident (State) 4 Foreign 5 Unknown	1 Female 2 Male								

Figure 149. Florida Crash Report—Report 8



Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement						
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3				
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	1	1				
03 Failed to Yield Right-of-Way	1	77	03 Worn/Smooth Tires	1	77	03 Making Left Turn						
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing				
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.				
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)				
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space						
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked						
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway				
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road				
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm			2 Primarily Residential		2 Not on Road				
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit	1	1	3 Open Country		3 Shoulder				
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational			5 Emergency Oper.		4 Median				
15 Improper Passing	22 Fleeing Police		6 Construction/Maintenance					5 Turn Lane				
16 Drove Left of Center	23 Vehicle Modified											
17 Exceeded Stated Speed Limit	77 Other											
18 Obstructing Traffic												
Pedestrian Action			Road System Identifier		Road Surface		Light Condition		Road Surface Type			
01 Crossing Not at Intersection	1	2 3	01 Interstate		01 Dry	1	01 Daylight		01 Slag /Gravel /Stone			
02 Crossing at Mid-block Crosswalk			02 U.S.		02 Wet		02 Dusk	1	02 Blacktop			
03 Crossing at Intersection			03 State	3	03 Slippery		03 Dawn		03 Brick / Block			
04 Walking along Road with Traffic			04 County		04 Icy	77 Other	04 Dark (Street Light)		04 Concrete			
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		05 Local		Weather		05 Dark (No Street Light)		05 Dirt	2		
06 Working on Vehicle in Road	77 All Other		06 Turnpike/Toll		01 Clear	03 Rain	77 Other	88 Unknown	77 Other			
07 Other Working in Road			07 Forest Road		02 Cloudy	04 Fog						
08 Standing/Playing in Road	88 Unknown		77 All Other									
First/Subsequent Harmful Event												
01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators										
02 Collision with MV in Transport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road										
03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Object										
04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road										
05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert										
06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water										
07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned										
08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle										
09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed							11			
10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire										
11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion										
12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other										
Contributing Causes - Road		Contributing Causes - Environment		Traffic Control		Site Location		Traffic Character				
01 No Defects	1	01 Vision Not Obscured		01 No Control	11 No Pass Zone	01 Not at Intersection/ RR Xing / Bridge	1	1 Straight Level				
02 Obstruction With / Without Warning		02 Inclement Weather		02 School Zone	77 All Other	02 At Intersection		2 Straight - Upgrade/Downgrade		3		
03 Road Under Repair / Construction		03 Parked/Stopped Vehicle		03 Traffic Signal		03 Influenced by Intersection		3 Curve - Level				
04 Loose Surface Materials		04 Trees/Crops/Bushes		04 Stop Sign		04 Driveway Access		4 Curve-Upgrade/Downgrade				
05 Shoulders - Soft/Low/High		05 Load on Vehicle		05 Yield Sign	1	05 Railroad Crossing		Type Shoulder				
06 Holes/Ruts/Unsafe Paved Edge		06 Building/Fixed Object		06 Flashing Light		06 Bridge	11 Private Prop.	1 Paved				
07 Standing Water		07 Signs/Billboards	1	07 Railroad Signal		07 Entrance Ramp	77 Other	2 Unpaved				
08 Worn/Polish Surface		08 Fog		08 Officer / Guard / Flagmen		08 Exit Ramp		3 Curb	2			
09 Smoke		09 Building/Fixed Object		09 Posted No U-Turn		09 Public Parking Lot						
10 Glare		10 Glare		10 Special Speed Zone		10 Private Parking Lot						
77 All Other		77 All Other										
Violator	FL Statute Number	Charge					Citation #					
Was Investigation Made at Scene?		Is Investigation Complete			Date of Report		Photos Taken?		Investigating Agency			
X	1 Yes	X	1 Yes	7/27/92			Yes					
	2 No, Where?		2 No- Why?			X	No					

Figure 149. Florida Crash Report—Report 8 (continued)

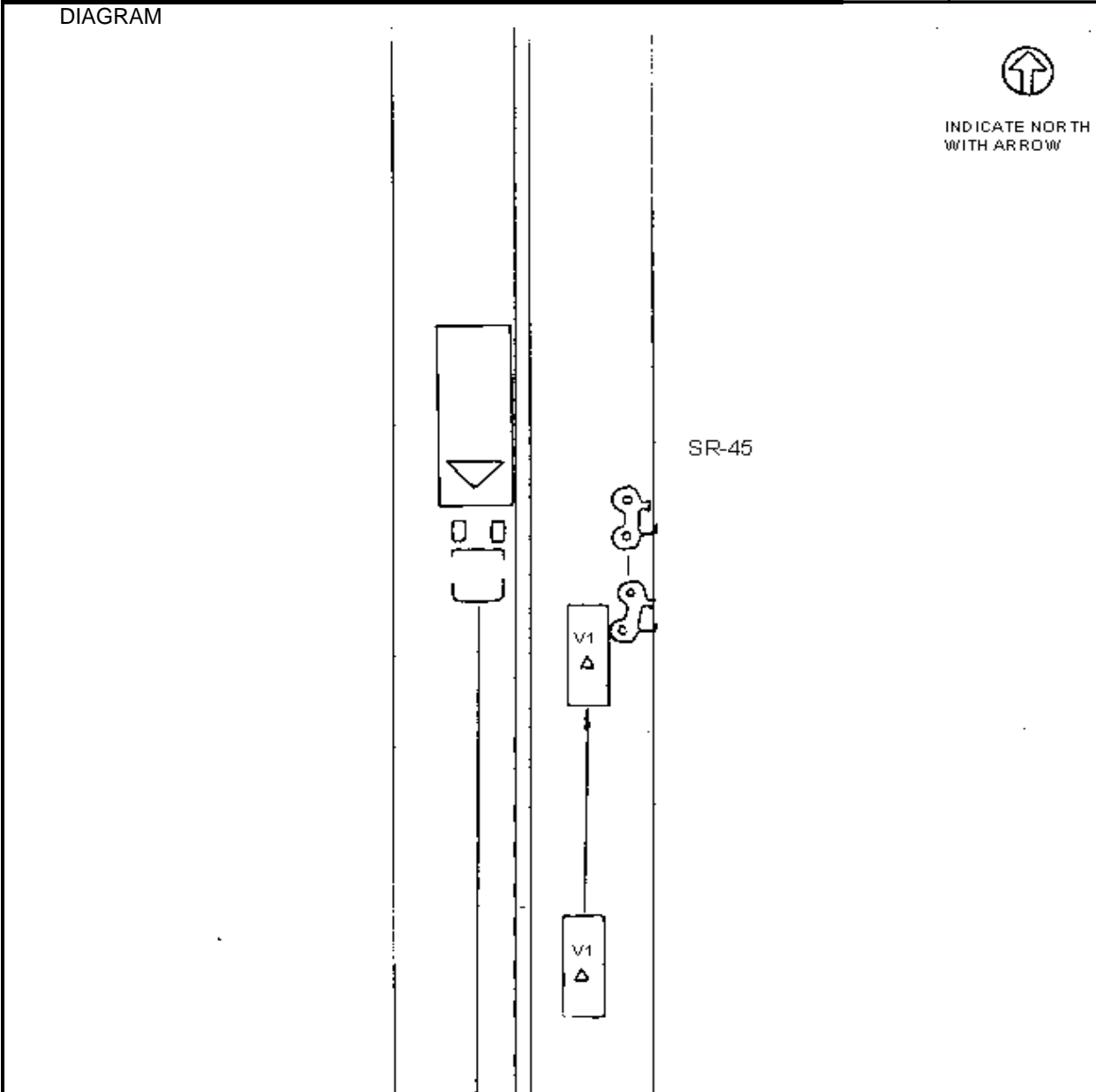
EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 11/32	Date of Crash 7/27/92	Report No. 8
<p>DIAGRAM</p>  <p>SR-45</p>					
<p>NARRATIVE</p> <p>V-1 was Northbound in the correct lane on SR 45. V-2 was riding a tricycle southbound in the northbound lane. An unknown truck was traveling southbound in it's correct lane. V-1 attempted to brake and avoid V-2. V-2 did not leave the roadway. V-2 ran into V-1.</p>					

Figure 149. Florida Crash Report—Report 8 (continued)

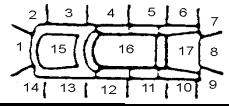
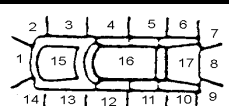
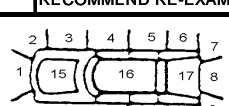

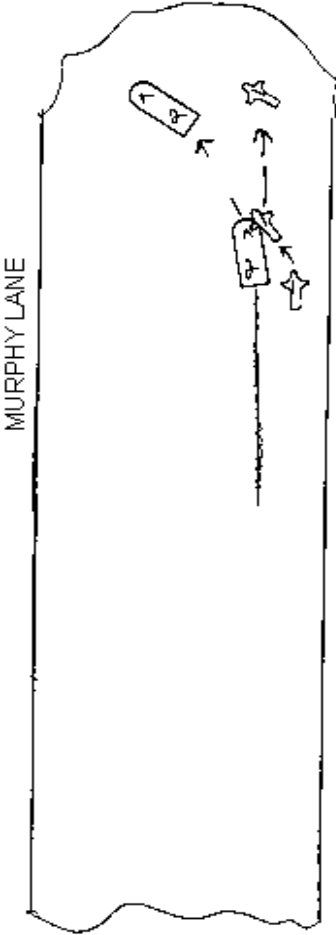
Time & Location	Date of Crash 4/27/92	Time of Crash ____ AM 7:20 PM	Time Officer Notified ____ AM 7:26 PM	Time Officer Arrived ____ AM 7:30 PM	Agency Report No	Crash Report No. <b>REPORT 9</b>					
	County/City Code 09/00	Feet or Miles	N S E W	City or Town Brent	In City/Town? Y	County Escambia					
	No. of Lanes 2	<input type="checkbox"/> Divided <input checked="" type="checkbox"/> Undivided	On street, Road, or Highway Murphy Lane								
	At Intersection of		N S E W	Feet/Miles .1 miles	of Intersection SR 95						
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year unk.	Make Strik	Type 10	Use	 POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle 1	Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	On	Posted Speed 25	Estimated Damage \$ 10		1 Disabling 2 Functional 3 No Damage Vehicle Removed By 1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other				
BAC TEST	5	Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 2 3 4
1 Blood 3 Urine			1	1	1	2	1	3	1	2	3
2 Breath 4 Refusec 5 None											
Ped	Hazardous Mat. 1 None Transported 2 Flam. Liquid	3 Explosives	5 Corrosive Material	7 Other	1	Driving Ability Questionable		1 Yes RECOMMEND RE-EXAM	2 No 3 NA	2	4
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 82	Make Honda	Type 7	Use	 POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle 2	Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	On	Posted Speed 25	Estimated Damage \$ 0		1 Disabling 2 Functional 3 No Damage Vehicle Removed By 1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other				
BAC TEST	5	Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 2 3 4
1 Blood 3 Urine			1	1	1	2	1	2	4	2	4
2 Breath 4 Refusec 5 None											
Ped	Hazardous Mat. 1 None Transported 2 Flam. Liquid	3 Explosives	5 Corrosive Material	7 Other	1	Driving Ability Questionable		1 Yes RECOMMEND RE-EXAM	2 No 3 NA	2	4
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use	 POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle	Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	On	Posted Speed	Estimated Damage		1 Disabling 2 Functional 3 No Damage Vehicle Removed By 1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other				
BAC TEST		Results	AL/Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 2 3 4
1 Blood 3 Urine											
2 Breath 4 Refusec 5 None											
Ped	Hazardous Mat. 1 None Transported 2 Flam. Liquid	3 Explosives	5 Corrosive Material	7 Other		Driving Ability Questionable		1 Yes	2 No 3 NA		
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)				
01 Automobile	01 Private Transportation	01 Single Semi Trailer	4 No Defects Known		1 Not Drinking or using drugs		1 Front Left				
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center				
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right				
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left				
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center				
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right				
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect		Safety Equipment		7 Body of truck				
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		1 Not in use		8 Bus Passenger				
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		2 Seat Belt / Shoulder Harness		9 Other				
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		3 Child Restraint		Ejected				
11 Moped	11 Other Government	DL Type	Residence		4 Air Bag		1 No				
12 All Terrain Vehicle	77 Other	1 A 2 B 3 C	1 County of Crash		5 Safety Helmet		2 Yes				
13 Train		4 D/Chauffeur 7 None	2 Elsewhere in State		6 Eye Protection		3 Partial				
77 Other		5 E/Operator	3 Non-Resident (State)								
		6 E/Oper-Rest	4 Foreign 5 Unknown								
			Sex								
			1 Yes 2 No 3 NR								
			1 Female								
			2 Male								

Figure 150. Florida Crash Report—Report 9

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement			
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3	
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	1	1	
03 Failed to Yield Right-of-Way	2	1	03 Worn/Smooth Tires	1	1	03 Making Left Turn			
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing	
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.	
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)	
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space			
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked			
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway	
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road	
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm			2 Primarily Residential		2 Not on Road	
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit	1	1	3 Open Country		3 Shoulder	
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational					4 Median	
15 Improper Passing	22 Fleeing Police		5 Emergency Oper.					5 Turn Lane	
16 Drove Left of Center	23 Vehicle Modified		6 Construction/Maintenance						
17 Exceeded Stated Speed Limit	77 Other		Road System Identifier			Road Surface		Light Condition	
18 Obstructing Traffic			01 Interstate			01 Dry	1	01 Daylight	
Pedestrian Action			02 U.S.	4		02 Wet		02 Dusk	
01 Crossing Not at Intersection	1	2 3	03 State			03 Slippery		03 Dawn	
02 Crossing at Mid-block Crosswalk			04 County			04 Icy	77 Other	04 Dark (Street Light)	
03 Crossing at Intersection			05 Local			Weather		05 Dark (No Street Light)	
04 Walking along Road with Traffic			06 Turnpike/Toll			01 Clear	03 Rain	77 Other	
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		07 Forest Road			02 Cloudy	04 Fog		
06 Working on Vehicle in Road	77 All Other		77 All Other						
07 Other Working in Road	88 Unknown		First/Subsequent Harmful Event			Road Surface Type		Road Surface Type	
08 Standing/Playing in Road			01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators	01 Slag /Gravel /Stone		01 Slag /Gravel /Stone	
			02 Collision with MV inTransport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road	02 Blacktop		02 Blacktop	
			03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Objevct	03 Brick / Block		03 Brick / Block	
			04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road	04 Concrete		04 Concrete	
			05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert	05 Dirt		05 Dirt	
			06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water	77 Other		77 Other	
			07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overtuned				
			08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle				
			09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed	11		11	
			10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire	First		Subsequent	
			11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion				
			12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other				
Contributing Causes - Road		Contributing Causes - Environment		Traffic Control		Site Location		Traffic Character	
01 No Defects	1	01 Vision Not Obscured		01 No Control	11 No Pass Zone	01 Not at Intersection/ RR Xing / Bridge	1	1 Straight Level	
02 Obstruction With / Without Warning		02 Inclement Weather		02 School Zone	77 All Other	02 At Intersection		2 Straight - Upgrade/Downgrade	1
03 Road Under Repair / Construction		03 Parked/Stopped Vehicle		03 Traffic Signal		03 Influenced by Intersection		3 Curve - Level	
04 Loose Surface Materials		04 Trees/Crops/Bushes		04 Stop Sign		04 Driveway Access		4 Curve- Upgrade/Downgrade	
05 Shoulders - Soft/Low/High		05 Load on Vehicle		05 Yield Sign	10	05 Railroad Crossing		Type Shoulder	
06 Holes/Ruts/Unsafe Paved Edge		06 Building/Fixed Object		06 Flashing Light		06 Bridge	11 Private Prop.	1 Paved	
07 Standing Water		07 Signs/Billboards	1	07 Railroad Signal		07 Entrance Ramp	77 Other	2 Unpaved	
08 Worn/Polish Surface		08 Fog		08 Officer / Guard / Flagmen		08 Exit Ramp		3 Curb	2
09 Smoke		09 Smoke		09 Posted No U-Turn		09 Public Parking Lot			
10 Glare		10 Glare		10 Special Speed Zone		10 Private Parking Lot			
77 All Other		77 All Other							
Violator	FL Statute Number	Charge				Citation #			
Was Investigation Made at Scene?		Is Investigation Complete			Date of Report	Photos Taken?		Investigating Agency	
X	1 Yes	X	1 Yes		4/27/92		Yes		
	2 No, Where?		2 No- Why?			X	No		

Figure 150. Florida Crash Report—Report 9 (continued)

EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 09/00	Date of Crash 4/27/92	Report No. 9
<p>DIAGRAM</p> <div style="text-align: right; margin-bottom: 10px;">             INDICATE NORTH WITH ARROW         </div> <div style="text-align: center;">  <p style="position: absolute; left: 395px; top: 340px; transform: rotate(-90deg);">MURPHY LANE</p> </div>					
<p>NARRATIVE</p> <p>V-1 and V-2 were both Eastbound on Murphy Lane when V-1 (a bicycle) turned left from the curb. V-2 collided with V-1 on its right side. V-1 and V-2's drivers were both thrown to the ground.</p>					

**Figure 150. Florida Crash Report—Report 9 (continued)**

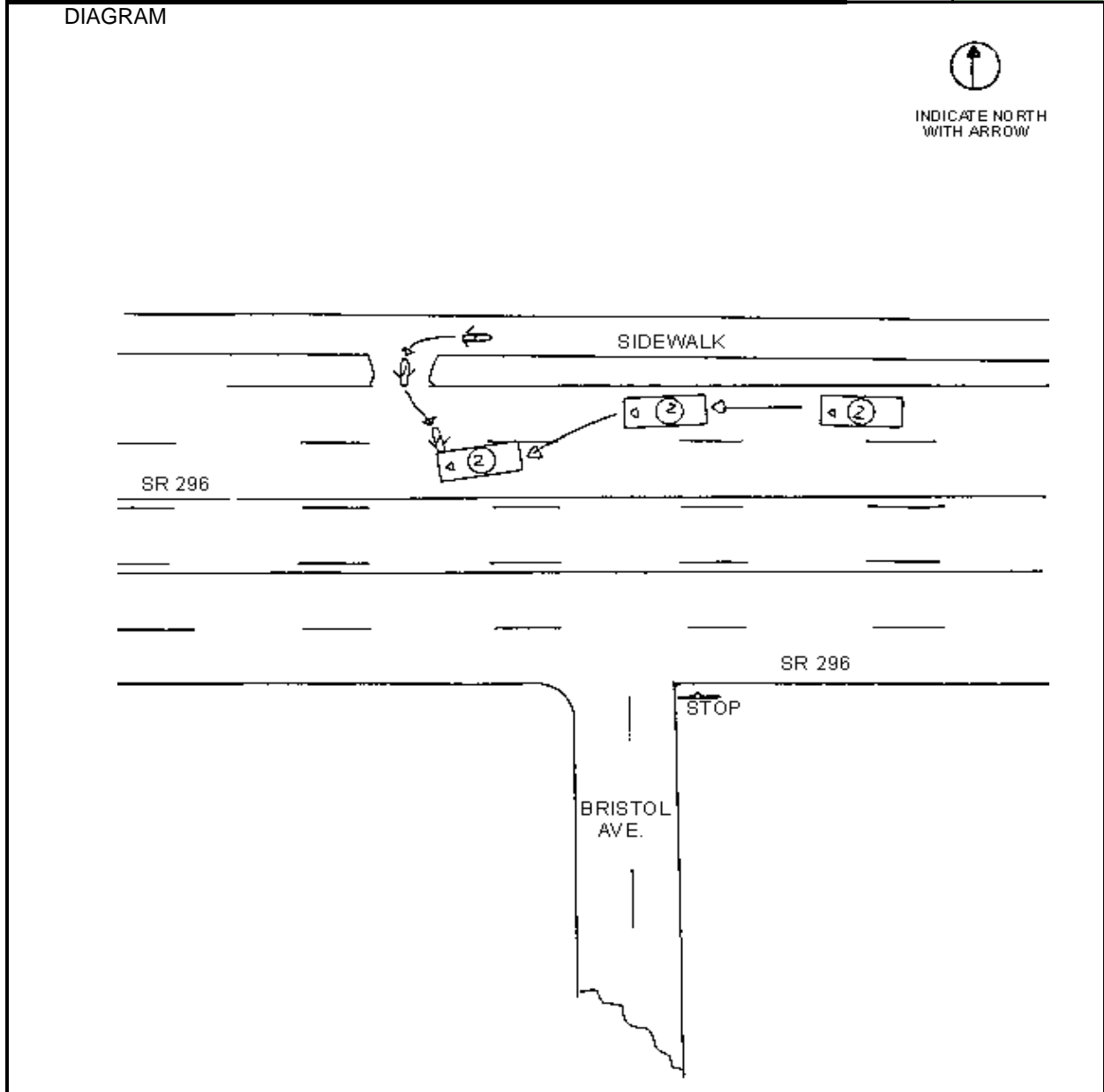
Time & Location	Date of Crash 8/23/92	Time of Crash ___ AM 3:40 PM	Time Officer Notified ___ AM 3:46 PM	Time Officer Arrived ___ AM 3:54 PM	Agency Report No	Crash Report No. REPORT 10						
	County/City Code 09/28	Feet or Miles	N S E W	City or Town Brent	In City/Town? Y	County Escambia						
	No. of Lanes 4	<input type="checkbox"/> Divided <input checked="" type="checkbox"/> Undivided	On street, Road, or Highway SR 296									
	At Intersection of	N S E W	Feet/Miles of Intersection 10 feet	Bristol Avenue								
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year unk.	Make AEC	Type 10	Use		POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	<input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	SR 296 AT 4 Est. MPH			Posted Speed 45		Estimated Damage \$ 500	1 Disabling 2 Functional 3 No Damage Vehicle Removed By				
BAC TEST	1 Blood 3 Urine 2 Breath 4 Refusec 5 None	5	Results	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 2	Sex 1	Inj. 3	S. Equip 1	Eject 2	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA			2	4 Other	
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year 81	Make Cadillac	Type 1	Use		POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W	SR 296 AT 45 Est. MPH			Posted Speed 45		Estimated Damage \$ 100	1 Disabling 2 Functional 3 No Damage Vehicle Removed By				
BAC TEST	1 Blood 3 Urine 2 Breath 4 Refusec 5 None	5	Results	AL /Drugs 1	Phys. Def. 1	Res. 1	Race 1	Sex 2	Inj. 1	S. Equip 2	Eject 1	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other 1	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA			2	4 Other	
Driver Action	1 Phantom 2 Hit & Run 3 N/A	Year	Make	Type	Use		POINT OF IMPACT Circle Area of Damage 18 Undercarriage 19 overturn 20 Windshield 21 Fire 22 Trailer					
Vehicle Traveling	<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	AT Est. MPH			Posted Speed		Estimated Damage \$	1 Disabling 2 Functional 3 No Damage Vehicle Removed By				
BAC TEST	1 Blood 3 Urine 2 Breath 4 Refusec 5 None		Results	AL /Drugs	Phys. Def.	Res.	Race	Sex	Inj.	S. Equip	Eject	1 Tow Rotation 2 Tow Owner's 3 Driver 4 Other
Hazardous Mat. Transported	1 None 2 Flam. Liquid	3 Explosives 4 Poison. Gas	5 Corrosive Material 6 Radioactive Mater.	7 Other	Driving Ability Questionable RECOMMEND RE-EXAM		1 Yes 2 No 3 NA				4 Other	
Vehicle Type	Vehicle Use	Trailer Type	Physical Defects		Alcohol/Drug Use		Location (in Vehicle)					
01 Automobile	01 Private Transportation	01 Single Semi Trailer	1 No Defects Known		1 Not Drinking or using drugs		1 Front Left					
02 Passenger Van	02 Commercial Passengers	02 Tandem Semi Trailers	2 Eyesight Defect		2 Alcohol-Under Influence		2 Front Center					
03 Pickup/Light Truck (2 Rear tires)	03 Commercial Cargo	03 Tank Trailer	3 Fatigue/Asleep		3 Drugs- Under Influence		3 Front Right					
04 Medium Truck (4 rear tires)	04 Public Transportation	04 Saddle Mount/ Flatbed	4 Hearing Defect		4 Alcohol & Drugs-Under Influence		4 Rear Left					
05 Heavy Truck (2 or more rear axles)	05 Public School Bus	05 Boat Trailer	5 Illness		5 Had Been Drinking		5 Rear Center					
06 Truck Tractor (Cab)	06 Private School Bus	06 Utility Trailer	6 Seizure, Epilepsy, Blackout		6 Pending BAC Test Result		6 Rear Right					
07 Motor Home (RV)	07 Ambulance	07 House Trailer	7 Other Physical Defect				7 Body of truck					
08 Bus	08 Law Enforcement	08 Pole Tractor	Race		Safety Equipment		8 Bus Passenger					
09 Bicycle	09 Fire/Rescue	09 Towed Vehicle	1 White 3 Hispanic		1 Not in use		9 Other					
10 Motorcycle	10 Military	77 Other	2 Black 4 Other		2 Seat Belt / Shoulder Harness		Ejected					
11 Moped	11 Other Government	DL Type	Residence		3 Child Restraint		1 No					
12 All Terrain Vehicle	77 Other	1 A 2 B 3 C	1 County of Crash		4 Air Bag		2 Yes					
13 Train		4 D/Chauffeur 7 None	2 Elsewhere in State		5 Safety Helmet		3 Partial					
77 Other		5 E/Operator	3 Non-Resident (State)		6 Eye Protection							
		6 E/Oper-Rest	4 Foreign 5 Unknown		Required Endorsements							
					1 Yes 2 No 3 NR							
					Sex 1 Female 2 Male							

Figure 151. Florida Crash Report—Report 10

Contributing Causes - Driver/Ped			Vehicle Defect			Vehicle Movement		
01 No Improper Driving/Action	1	2 3	01 No Defects	1	2 3	01 Straight Ahead	1	2 3
02 Careless Driving			02 Def. Brakes			02 Slowing / Stopped / Stalled	3	1
03 Failed to Yield Right-of-Way	3	1	03 Worn/Smooth Tires	1	1	03 Making Left Turn		
04 Improper Backing			04 Defective/Improper Lights			04 Backing		11 Passing
05 Improper Turn			05 Puncture/Blowout			05 Making Right Turn		12 Driverless or runaway Veh.
06 Alcohol-Under Influence			06 Steering Mech.		77 All Other (Explain)	06 Changing Lanes		77 All Other (Explain)
07 Drugs-Under Influence			07 Windshield Wipers			07 Entering / Leaving Parking Space		
08 Alcohol & Drugs-Under Influence			08 Equipment/Vehicle Defect			08 Improperly Parked		
09 Followed Too Closely			Vehicle Special Functions			Location Type		Location on Roadway
11 Disregarded Stop Sign			1 None	1	2 3	1 Primarily Business		1 On road
12 Exceeded Safe Speed Limit	19 Improper Load		2 Farm			2 Primarily Residential		2 Not on Road
13 Disregarded Traffic Signal	20 Disregarded Other Traffic Control		3 Police Pursuit	1	1	3 Open Country		3 Shoulder
14 Failed to Maintain Equip./Veh.	21 Driving Wrong Side/Way		4 Recreational					4 Median
15 Improper Passing	22 Fleeing Police		5 Emergency Oper.					5 Turn Lane
16 Drove Left of Center	23 Vehicle Modified		6 Construction/Maintenance					
17 Exceeded Stated Speed Limit	77 Other							
18 Obstructing Traffic								
Pedestrian Action			Road System Identifier	Road Surface	Light Condition	Road Surface Type		
01 Crossing Not at Intersection	1	2 3	01 Interstate	01 Dry	1	01 Slag /Gravel /Stone		
02 Crossing at Mid-block Crosswalk			02 U.S.	02 Wet		02 Blacktop		
03 Crossing at Intersection			03 State	03 Slippery	1	03 Brick / Block		
04 Walking along Road with Traffic			04 County	04 Icy		04 Concrete		
05 Walking Along Road Against Traffic	09 Standing in Pedestrian Island		05 Local	77 Other		05 Dirt	2	
06 Working on Vehicle in Road	77 All Other		06 Turnpike/Toll	Weather		06 Other		
07 Other Working in Road	88 Unknown		07 Forest Road	01 Clear	03 Rain	77 Other		
08 Standing/Playing in Road			77 All Other	02 Cloudy	04 Fog	88 Unknown		
First/Subsequent Harmful Event								
01 Collision with MV in Transport (Rear End)	13 Collision with Moped	25 Collision with Crash Attenuators						
02 Collision with MV in Transport (Head-on)	14 Collision with Train	26 Collision with Fixed Object Above Road						
03 Collision with MV in Transport (Angle)	15 Collision with Animal	27 MV Hit Other Fixed Object						
04 Collision with MV in Transport (Left Turn)	16 MV Hit Sign/Sign Post	28 Collision with Moveable Object on Road						
05 Collision with MV in Transport (Right Turn)	17 MV Hit Utility Pole/Light Pole	29 MV Ran into Ditch/Culvert						
06 Collision with MV in Transport (Sideswipe)	18 MV Hit Guardrail	30 Ran Off Road into Water						
07 Collision with MV in Transport (Backed Into)	19 MV Hit Fence	31 Overturned						
08 Collision with Parked Car	20 MV Hit Concrete Barrier Wall	32 Occupant Fell from Vehicle						
09 Collision with MV on Other Roadway	21 MV Hit Bridge Pier Abutment/Rail	33 Tractor/Trailer Jackknifed				11		
10 Collision with Pedestrian	22 MV Hit Tree/Shrubbery	34 Fire						
11 Collision with Bicycle	23 Collision w/Construction Barricade/Sign	35 Explosion				First	Subsequent	
12 Collision with Bicycle (Bike Lane)	24 Collision with Traffic Gates	77 All Other						
Contributing Causes - Road	Contributing Causes - Environment	Traffic Control	Site Location	Traffic Character				
01 No Defects	01 Vision Not Obscured	01 No Control	01 Not at Intersection/ RR Xing / Bridge	1 Straight Level				
02 Obstruction With / Without Warning	02 Inclement Weather	11 No Pass Zone	02 At Intersection	2 Straight - Upgrade/Downgrade				
03 Road Under Repair / Construction	03 Parked/Stopped Vehicle	03 Traffic Signal	03 Influenced by Intersection	3 Curve - Level				
04 Loose Surface Materials	04 Trees/Crops/Bushes	04 Stop Sign	04 Driveway Access	4 Curve-Upgrade/Downgrade				
05 Shoulders - Soft/Low/High	05 Load on Vehicle	05 Yield Sign	05 Railroad Crossing	Type Shoulder				
06 Holes/Ruts/Unsafe Paved Edge	06 Building/Fixed Object	06 Flashing Light	06 Bridge	1 Paved				
07 Standing Water	07 Signs/Billboards	07 Railroad Signal	07 Entrance Ramp	2 Unpaved				
08 Worn/Polish Surface	08 Fog	08 Officer / Guard / Flagmen	08 Exit Ramp	3 Curb				
77 All Other	09 Smoke	09 Posted No U-Turn	09 Public Parking Lot					
	10 Glare	10 Special Speed Zone	10 Private Parking Lot					
	77 All Other							
Violator	FL Statute Number	Charge	Citation #					
Was Investigation Made at Scene?	Is Investigation Complete	Date of Report	Photos Taken?					
X 1 Yes	X 1 Yes	8/23/92	Yes					
2 No, Where?	2 No- Why?		X No					
			Investigating Agency					

Figure 151. Florida Crash Report—Report 10 (continued)

EMS INFO FATALS ONLY	Time EMS Notified	Time EMS Notified	County/City Code 09/28	Date of Crash 8/23/92	Report No. 10
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NARRATIVE

Vehicle was westbound on sidewalk on the North side of SR 296. Vehicle 2 was westbound on SR 296. Vehicle 1 attempted to cross SR 296 southbound. The driver of vehicle 2 attempted to take evasive action by steering to the left to avoid vehicle 1. Vehicle 1 drove into the right side of vehicle 2.

Figure 151. Florida Crash Report—Report 10 (continued)



**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>1</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Intersection</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Sidewalk, Crosswalk, or Driveway Crossing
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	Facing traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Crossing Paths
	Crossing Path Crash – Intersection	Which of the following best describes the circumstances of the crash?	Drive/Ride—Out/Through
	Type of Traffic Control	What type of traffic control was present at the intersection?	Stop Signs, Yield Signs, or Flashing Signals
	Sign-Controlled Intersection Crash	Which of the following best describes the circumstances of the crash?	Motorist Drive-Out
<b>Crash Type: Motorist Drive-Out—Sign-Controlled Intersection (Number 141)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>2</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Intersection</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Sidewalk, Crosswalk, or Driveway Crossing
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	Facing traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Crossing Paths
	Crossing Path Crash – Intersection	Which of the following best describes the circumstances of the crash?	Drive/Ride—Out/Through
	Type of Traffic Control	What type of traffic control was present at the intersection?	Traffic signals
	Signal-Controlled Intersection Crash	Which of the following best describes the circumstances of the crash?	Motorist Drive-Out
	Right Turn on Red—Crossing Path	Was the motorist making a right turn on red?	Yes
<b>Crash Type: Motorist Drive-Out—Right Turn on Red (No. 151)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>3</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Roadway, in a Shared Travel Lane
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	With traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Parallel Paths
	Parallel Path Crash	Which of the following best describes the circumstances of the crash?	Motorist Turned or Merged
	Motorist Turned or Merged	Which of the following best describes the maneuver of the motorist?	Right Turn—Same Direction
	Right turn on red—same direction	Was motorist making a right turn on red?	No or Unknown
<b>Crash Type: Motorist Right Turn—Same Direction (Number 213)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>4</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Sidewalk, Crosswalk, or Driveway Crossing
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	Facing traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describes the crash?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Crossing Paths
	Crossing Path Crash – Nonintersection	Which of the following scenarios best describes the crash?	Motorist Drive-Out
	Motorist Drive-Out – Nonintersection	From where did the motorist come?	Commercial Driveway or Alley
<b>Crash Type: Motorist Drive-Out—Commercial Driveway/Alley (Number 322)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>5</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Sidewalk, Crosswalk, or Driveway Crossing
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	Not Applicable
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Crossing Paths
	Crossing Path Crash – Nonintersection	Which of the following scenarios best describes the crash?	Bicyclist Ride-out
	Bicyclist Ride-out – Nonintersection	From where did the motorist come?	Other Midblock Location
<b>Crash Type: Bicyclist Ride-out—Other Midblock (Number 318)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>6</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Intersection</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Roadway, in a Shared Travel Lane
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	With traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Parallel Paths
	Parallel Path Crash	Which of the following best describes the circumstances of the crash?	Motorist Turned or Merged
	Motorist Turned or Merged	Which of the following best describes the maneuver of the motorist?	Left Turn—Opposite Direction
<b>Crash Type: Motorist Left-Turn—Opposite Direction (Number 212)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (continued)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>7</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonroadway Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	Other Nonroadway Areas (Parking Lot, Open Areas, etc.)
<b>Crash Type: Nonroadway (Number 910)</b>			
<b>8</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Roadway, in a Shared Travel Lane
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	Facing traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Parallel Paths
	Parallel Path Crash	Which of the following best describes the circumstances of the crash?	Head-On
	Head—on crash	Which operator was traveling in the wrong direction/travel lane?	Bicyclist
<b>Crash Type: Head-On—Bicyclist (Number 250)</b>			

**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>9</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Roadway, in a Shared Travel Lane
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	With traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Parallel Paths
	Parallel Path Crash	Which of the following best describes the circumstances of the crash?	Bicyclist Turned or Merged
	Bicyclist Turned or Merged	Which of the following scenarios best describes the maneuver of the bicyclist?	Left Turn—Same Direction
<b>Crash Type: Bicyclist Left-Turn—Same Direction (Number 221)</b>			



**Table 15. Correct Responses to the Crash Typing Logic for the 10 Sample Bicycle Crashes (*continued*)**

<b>Report No.</b>	<b>Screen Header</b>	<b>Question</b>	<b>Correct Response</b>
<b>10</b>	<b>Crash Location</b>	<b>Where did the crash occur?</b>	<b>Nonintersection Location</b>
	Bicyclist Position	What was the initial position of the bicyclist?	On a Sidewalk, Crosswalk, or Driveway Crossing
	Bicyclist Direction	In what direction was the bicyclist initially traveling prior to being struck or prior to making any turns which caused the crash?	With traffic
	Unusual/Specific Circumstances	Which of the following unusual or specific circumstances best describe?	None of the Above
	Initial Approach Paths	What were the initial approach paths for the bicyclist and motorist?	Parallel Paths
	Parallel Path Crash	Which of the following best describes the circumstances of the crash?	Bicyclist Turned or Merged
	Bicyclist Turned or Merged	Which of the following scenarios best describes the maneuver of the bicyclist?	Ride-out
<b>Crash Type: Bicyclist Ride-out—Parallel Path (Number 225)</b>			



## **APPENDIX H: PEDSAFE AND BIKESAFE GROUPS**

Shown on the following pages are the relationships between the countermeasure groups used in PEDSAFE ([www.walkinginfo.org](http://www.walkinginfo.org)) and BIKESAFE ([www.bicyclinginfo.org](http://www.bicyclinginfo.org)) and the crash types and crash groups produced in PBCAT. Refer to chapter 9 for more information on the countermeasures included in these two Web sites.

**Table 16. PEDSAFE—PBCAT Mapping**

<b>PEDSAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
Dart/Dash	740	Dash/Dart-Out	741	Dash
			742	Dart-Out
Multiple Threat/Trapped	720	Multiple Threat/Trapped	710	Multiple Threat
			730	Trapped
Unique Midblock	350	Unique Midblock	320	Entering/Exiting Parked Vehicle
			330	Mailbox-Related
			360	Ice Cream/Vendor Truck-Related
Through Vehicle at Unsignalized Location	750	Crossing Roadway— Vehicle Not Turning	760	Pedestrian Failed to Yield
			770	Motorist Failed to Yield
Bus-Related	340	Bus-Related	341	Commercial Bus-Related
			342	School Bus-Related
Turning Vehicle	790	Crossing Roadway— Vehicle Turning	781	Motorist Left Turn—Parallel Paths
			782	Motorist Left Turn—Perpendicular Paths
			791	Motorist Right Turn—Parallel Paths
			792	Motorist Right Turn on Red—Parallel Paths
			795	Motorist Right Turn—Perpendicular Paths
			794	Motorist Right Turn on Red—Perpendicular Paths
			799	Motorist Turn/Merge—Other/Unknown
	460	Crossing Driveway or Alley	460	Motorist Entering Driveway or Alley
			465	Motorist Exiting Driveway or Alley
			469	Driveway Crossing—Other/Unknown

**Table 16. PEDSAFE—PBCAT Mapping (continued)**

<b>PEDSAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
Through Vehicle at Signalized Location	750	Crossing Roadway— Vehicle Not Turning	760	Pedestrian Failed to Yield
			770	Motorist Failed to Yield
Walking Along Roadway	400	Walking Along Roadway	410	Walking Along Roadway With Traffic—From Behind
			420	Walking Along Roadway With Traffic—From Front
			430	Walking Along Roadway Against Traffic—From Behind
			440	Walking Along Roadway Against Traffic—From Front
			459	Walking Along Roadway—Direction/Position Unknown
Working or Playing in Roadway	310	Working or Playing in Roadway	311	Working in Roadway
			312	Playing in Roadway
Nonroadway	800	Off Roadway	830	Off Roadway—Parking Lot
			890	Off Roadway—Other/Unknown
	460	Crossing Driveway or Alley	460	Motorist Entering Driveway or Alley
			465	Motorist Exiting Driveway or Alley
			469	Driveway Crossing—Other/Unknown

**Table 16. PEDSAFE—PBCAT Mapping (continued)**

<b>PEDSAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
Backing Vehicle	200	Backing Vehicle	211	Backing Vehicle—Driveway
			212	Backing Vehicle—Driveway/Sidewalk Intersection
			213	Backing Vehicle—Roadway
			214	Backing Vehicle—Parking Lot
			219	Backing Vehicle—Other/Unknown
Crossing an Expressway	910	Crossing Expressway	910	Crossing an Expressway
Miscellaneous (no specific countermeasures provided in PEDSAFE)	100	Unusual Circumstances	110	Assault with Vehicle
			120	Dispute-Related
			130	Pedestrian on Vehicle
			140	Vehicle-Vehicle/Object
			150	Motor Vehicle Loss of Control
			160	Pedestrian Loss of Control
			190	Other Unusual Circumstances
			220	Driverless Vehicle
			230	Disabled Vehicle-Related
			240	Emergency Vehicle-Related
			250	Play Vehicle-Related
	500	Waiting to Cross	510	Waiting to Cross—Vehicle Turning
			520	Waiting to Cross—Vehicle Not Turning
			590	Waiting to Cross—Vehicle Action Unknown
	600	Pedestrian in Roadway— Circumstances Unknown	620	Walking in Roadway
			610	Standing in Roadway
			313	Lying in Roadway
	990	Other/Unknown— Insufficient Details	900	Other—Unknown Location
			680	Nonintersection—Other/Unknown
			690	Intersection—Other/Unknown

**Table 17. BIKESAFE—PBCAT Mapping**

<b>BIKESAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
Motorist Failed to Yield—Signalized Intersection	150	Motorist Failed to Yield—Signalized Intersection	152	Motorist Drive-out—Signalized Intersection
			151	Motorist Drive-out—Right Turn on Red
			154	Motorist Drive-through—Signalized Intersection
Motorist Failed to Yield—Nonsignalized Intersection	140	Motorist Failed to Yield—Sign-Controlled Intersection	141	Motorist Drive-out—Sign-Controlled Intersection
			143	Motorist Drive-through—Sign-Controlled Intersection
Bicyclist Failed to Yield—Signalized Intersection	158	Bicyclist Failed to Yield—Signalized Intersection	153	Bicyclist Ride-out—Signalized Intersection
			155	Bicyclist Ride Through—Signalized Intersection
			156	Bicyclist Failed to Clear—Trapped
			157	Bicyclist Failed to Clear—Multiple Threat
			159	Bicyclist Failed to Clear—Unknown
Bicyclist Failed to Yield—Nonsignalized Intersection	145	Bicyclist Failed to Yield—Sign-Controlled Intersection	142	Bicyclist Ride-out—Sign-Controlled Intersection
			144	Bicyclist Ride Through—Sign-Controlled Intersection
			147	Multiple Threat—Sign-Controlled Intersection
Motorist Drove-Out—Midblock	320	Motorist Failed to Yield—Midblock	321	Motorist Drive-out—Residential Driveway
			322	Motorist Drive-out—Commercial Driveway/Alley
			328	Motorist Drive-out—Other Midblock
			329	Motorist Drive-out—Midblock—Unknown

**Table 17. BIKESAFE—PBCAT Mapping (continued)**

<b>BIKESAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
Bicyclist Rode Out—Midblock	310	Bicyclist Failed to Yield—Midblock	311	Bicyclist Ride-out—Residential Driveway
			312	Bicyclist Ride-out—Commercial Driveway/Alley
			318	Bicyclist Ride-out—Other Midblock
			319	Bicyclist Ride-out—Midblock—Unknown
			357	Multiple Threat— Midblock
Motorist Turned or Merged Left into Path of Bicyclist	210	Motorist Left Turn/Merge	211	Motorist Left Turn—Same Direction
			212	Motorist Left Turn—Opposite Direction
	219	Parking/Bus- Related	215	Motorist Drive-In/Out Parking
			216	Bus/Delivery Vehicle Pullover
Motorist Turned or Merged Right into Path of Bicyclist	215	Motorist Right Turn/Merge	213	Motorist Right Turn—Same Direction
			217	Motorist Right Turn on Red—Same Direction
			214	Motorist Right Turn—Opposite Direction
			218	Motorist Right Turn on Red—Opposite Direction
	219	Parking/Bus- Related	215	Motorist Drive-In/Out Parking
			216	Bus/Delivery Vehicle Pullover
Bicyclist Turned or Merged Left into Path of Motorist	220	Bicyclist Left Turn/Merge	221	Bicyclist Left Turn—Same Direction
			222	Bicyclist Left Turn—Opposite Direction
			225	Bicyclist Ride-out—Parallel Path
Bicyclist Turned or Merged Right into Path of Motorist	225	Bicyclist Right Turn/Merge	223	Bicyclist Right Turn—Same Direction
			224	Bicyclist Right Turn—Opposite Direction



**Table 17. BIKESAFE—PBCAT Mapping (continued)**

<b>BIKESAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
Motorist Overtaking Bicyclist	230	Motorist Overtaking Bicyclist	231	Motorist Overtaking—Undetected Bicyclist
			232	Motorist Overtaking—Misjudged Space
			235	Motorist Overtaking—Bicyclist Swerved
			239	Motorist Overtaking—Other/Unknown
Bicyclist Overtaking Motorist	240	Bicyclist Overtaking Motorist	241	Bicyclist Overtaking—Passing on Right
			242	Bicyclist Overtaking—Passing on Left
			243	Bicyclist Overtaking—Parked Vehicle
			244	Bicyclist Overtaking—Extended Door
			249	Bicyclist Overtaking—Other/Unknown
Nonmotor Vehicle Crashes			400	Bicycle Only
Miscellaneous (no specific countermeasures provided in BIKESAFE)	110	Loss of Control/Turning Error	121	Bicyclist Lost Control—Mechanical problems
			122	Bicyclist Lost Control—Oversteering, Improper Braking, Speed
			123	Bicyclist Lost Control—Alcohol/Drug Impairment
			124	Bicyclist Lost Control—Surface Conditions
			129	Bicyclist Lost Control—Other/Unknown
			131	Motorist Lost Control—Mechanical Problems
			132	Motorist Lost Control—Oversteering, Improper Braking, Speed
			133	Motorist Lost Control—Alcohol/Drug Impairment
			134	Motorist Lost Control—Surface Conditions
			139	Motorist Lost Control—Other/Unknown
			111	Motorist Turning Error—Left Turn

**Table 17. BIKESAFE—PBCAT Mapping (continued)**

<b>BIKESAFE Crash Group</b>	<b>PBCAT Crash Group Number</b>	<b>PBCAT Crash Group Name</b>	<b>PBCAT Crash Type Number</b>	<b>PBCAT Crash Type Name</b>
			112	Motorist Turning Error—Right Turn
			113	Motorist Turning Error—Other
			114	Bicyclist Turning Error—Left Turn
			115	Bicyclist Turning Error—Right Turn
			116	Bicyclist Turning Error—Other
	190	Crossing Paths— Other Circumstances	148	Sign-Controlled Intersection—Other/Unknown
			158	Signalized Intersection—Other/Unknown
			180	Crossing Paths—Intersection—Other/Unknown Control
			160	Crossing Paths—Uncontrolled Intersection
			380	Crossing Paths—Midblock—Other/Unknown
	258	Head-On	250	Head-On—Bicyclist
			255	Head-On—Motorist
			259	Head-On—Unknown
	290	Parallel Paths— Other Circumstances	219	Motorist Turn/Merge—Other/Unknown
			280	Parallel Paths—Other/Unknown
			225	Bicyclist Ride-out—Parallel Path
	600	Backing Vehicle	600	Backing Vehicle
	850	Other/Unusual Circumstances	510	Motorist Intentionally Caused
			520	Bicyclist Intentionally Caused
			700	Play Vehicle-Related
			800	Unusual Circumstances
			400	Bicycle Only
	910	Nonroadway	910	Nonroadway
990	Other/Unknown— Insufficient Details	980	Unknown Location	
		970	Unknown Approach Paths	

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