



Bicycle & Pedestrian Crash Memorandum

To: Regional Intergovernmental Council **Date:** February 8, 2008

From: Baker **Subject:** Bicycle and Pedestrian for Kanawha and Putnam Counties - Phase II

Task 1 Memorandum

INTRODUCTION

Under Phase I, summary reports of bicycle and pedestrian crashes between January 1, 2000 and December 31, 2005 were provided by the West Virginia Division of Highways, Traffic Engineering Division. However, several crash records were incomplete (e.g., no milepost or roadway information) and upon transferring the records into electronic format, it was determined that crashes could not be mapped in ArcMap for analysis.

Under Phase II, crash records were requested in electronic format. The records were requested to determine the crash history of bicyclists and pedestrians in Kanawha and Putnam Counties. The Regional Intergovernmental Council (RIC) provided Baker with bicycle and pedestrian crash records from 2003-2006 in database format. Linear referencing data for state and county roadways in Kanawha and Putnam Counties was also requested and received from RIC. RIC then geocoded the bicycle and pedestrian crash data in ArcMap to create a shapefile of crash locations with associated data. This memorandum summarizes the data from the crash records received as per the Scope of Services.

Bicycle and Pedestrian Crash History in **Kanawha County**

There were 303 bicycle and pedestrian crashes in Kanawha County between 2003 and 2006. **Map 1** illustrates the location of bicycle and pedestrian crashes in the county.

Bicycle Crashes

Between 2003 and 2006, there were 85 bicycle crashes in Kanawha County. The highest incidence (61%) of crashes occurred in Charleston or the immediate vicinity. U.S. Route 60, Washington Street had the highest concentration of bicycle crashes (n=12) in Charleston. **Map 2** illustrates the location of bicycle crashes in the Greater Charleston area. The Greater St. Albans area, including St. Albans and the immediate vicinity, had the second highest incidence (14%) of bicycle crashes. The majority of bicycle crashes in the St. Albans area occurred on the local roadway system. One (1) bicycle crash did occur on U.S. Route 60, MacCorkle Avenue. South Charleston and Dunbar have the third highest incidence of bicycle crashes, both accounting for approximately five percent (5%) of bicycle crashes in Kanawha County between 2003 and 2006.

Seventy-one percent (71%), or sixty (60), of the bicycle crashes in Kanawha County resulted in injury, however, there were no reported fatalities.



Bicycle & Pedestrian Crash Memorandum

Pedestrian Crashes

Between 2003 and 2006, there were 218 pedestrian crashes in Kanawha County. The highest incidence (58%) of crashes occurred in Charleston or the immediate vicinity. U.S. Route 60 (locally known as Kanawha Boulevard, Washington Street, Lee Street and Patrick Street) had the highest concentration of bicycle crashes (n=46) in Charleston. MacCorkle Avenue ranked second with nine (9) pedestrian crashes. **Map 3** illustrates the location of pedestrian crashes in the Greater Charleston area. The Greater St. Albans area and South Charleston have the second highest incidence (6% each respectively) of pedestrian crashes. The majority of pedestrian crashes in both the St. Albans area and South Charleston occurred on U.S. Route 60, MacCorkle Avenue. The Cross Lanes area and Nitro have the third and fourth highest incidence of pedestrian crashes, with the Cross Lanes area accounting for four percent (4%) of the total pedestrian crashes in Kanawha County between 2003 and 2006, and Nitro accounting for three percent (3%).

Eighty percent (80%), or 174, of the pedestrian crashes in Kanawha County resulted in injury. Eleven (11) pedestrian crashes resulted in a fatality accounting for five percent (5%) of the total. Five (5) of the eleven (11) fatalities occurred on U.S. Route 60. Three (3) pedestrian crashes that resulted in a fatality, on U.S. Route 60, occurred in Jefferson. **Map 4** illustrates the location of pedestrian crashes resulting in a fatality in Kanawha County.

Bicycle and Pedestrian Crash History in Putnam County

There were 34 bicycle and pedestrian crashes in Putnam County between 2003 and 2006. **Map 5** illustrates the location of bicycle and pedestrian crashes in the county.

Bicycle Crashes

Between 2003 and 2006, there were 10 bicycle crashes in Putnam County. Two (2) bicycle crashes occurred in each of the following areas: Nitro, Hurricane and Teays Valley/Scott Depot. Both bicycle crashes in Nitro occurred on Route 25, 1st Avenue. In Hurricane and Teays Valley/Scott Depot, the bicycle crashes occurred on Route 34 (Main Street, Teays Valley Road).

Eighty percent (80%), or eight (8), of the bicycle crashes in Putnam County resulted in injury, however, there were no reported fatalities.

Pedestrian Crashes

Between 2003 and 2006, there were 24 pedestrian crashes in Putnam County. The highest incidence (25%) of crashes occurred in the Teays Valley/Scott Depot area. Route 34, Teays Valley Road, had the highest concentration of pedestrian crashes (n=4) in the area. Hurricane had the second highest incidence (17%) of pedestrian crashes. The Winfield area and Nitro each had approximately three (3) pedestrian crashes, while the remainder of pedestrian crashes occurred at locations throughout the county.

Seventy-five percent (75%), or 18, of the pedestrian crashes in Putnam County resulted in injury. Three (3) pedestrian crashes resulted in a fatality accounting for thirteen percent (13%) of the total. Of the three (3) fatalities, one (1) occurred on U.S. Route 60 south of Teays Valley, one (1) occurred at the Route 34/I-64 intersection, and one (1) occurred on private property south of U.S. Route 60 near Hurricane.