

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

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
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)

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
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

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
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)

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
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)

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
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)

Crash Group Basic (Crash Group Number)	Crash Group Description (Crash Group Name)	Crash Type Basic (Crash Type Number)	Crash Type Description (Crash Type Name)
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