

Updated crash costs for ARNDT V1.03.06 – Transport and Main Roads Queensland (05/09/2016)

ARNDT V1.03.06 is software to:

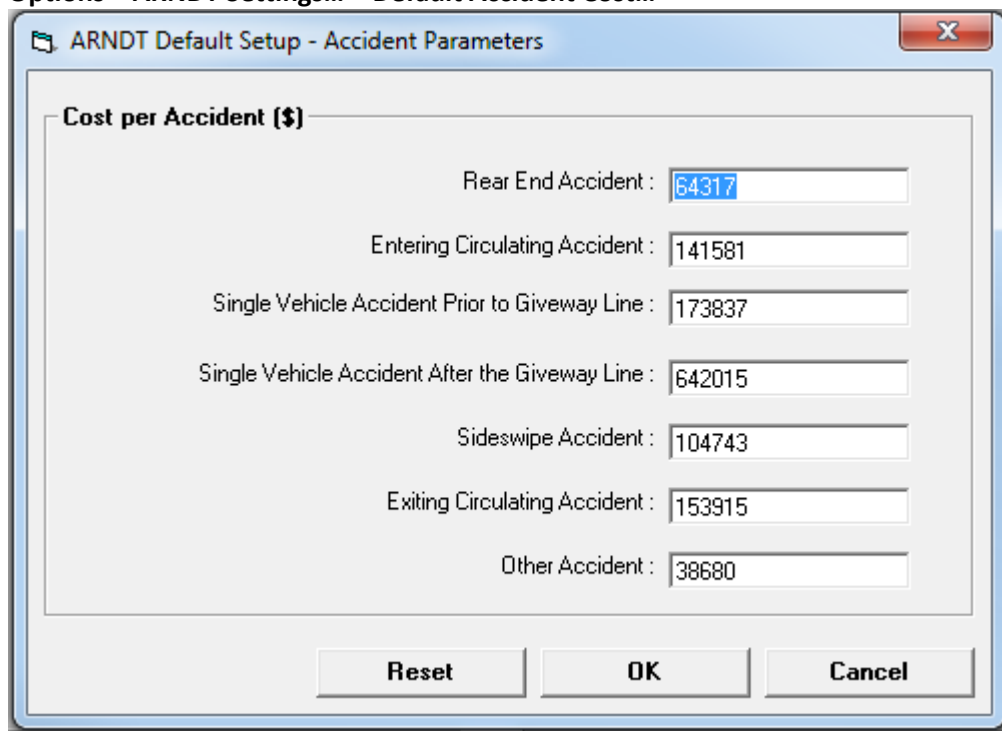
- Enable road designers to identify potentially hazardous geometry of proposed or existing roundabouts and
- to predict accident rates and costs for proposed or existing roundabouts.

The default Crash Costs Settings used in the ARNDT program have been updated to year 2016 costs.

In the current version of ARNDT V1.03.06, crash costs are initialised every time ARNDT is run, as hard coded constants. These values are then overridden by values in the default.ini file and then in turn by settings saved in each project data file (.rnd) for each roundabout analysed.

Default crash cost settings can be set permanently for a user installation of ARNDT by updating your default accident cost settings using:

Options > ARNDT Settings... > Default Accident Cost...



| Accident Type | Cost per Accident (\$) |
|--|------------------------|
| Rear End Accident | 64317 |
| Entering Circulating Accident | 141581 |
| Single Vehicle Accident Prior to Giveway Line | 173837 |
| Single Vehicle Accident After the Giveway Line | 642015 |
| Sideswipe Accident | 104743 |
| Exiting Circulating Accident | 153915 |
| Other Accident | 38680 |

With these updated values (09/2016)

Average Rear End Crash Cost = \$64,316.57

Average Entering / Circulating Crash Cost = \$141,580.96

Single Vehicle Crash Prior to Giveway Line = \$173,836.69

Single Vehicle Crash After to Giveway Line = \$642,015.31

Average Side Swipe Crash Cost = \$104,742.67

Average Exiting / Circulating Crash Cost = \$153,914.50

Other / Low Frequency Crash Costs = \$38,680.00

..... Or by manually editing the file "C:\Users\[username]\AppData\Local\ARNDT\default.ini" and overwriting the [DEF_AccidentCost] block with the following:

```
[DEF_AccidentCost]
; Crash costs updated 09/2016
SVeh_AccidentCost_PriorToGiveway =173837
SVeh_AccidentCost_AfterTheGiveway =642015
RearEnd_AccidentCost =64317
EntCir_AccidentCost =141581
SideSwipe_AccidentCost =104743
ExitCir_AccidentCost =153915
Other_AccidentCost =38680
```

Note that you will have to do this for any new installation of ARNDT V1.03.06 on a PC.

More information:

The default locations for ARNDT files can be displayed using

Options > ARNDT Settings... > File Locations...

