



## Resource Plan

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Purpose:	Hardware and software resource requirements.
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## Phase 0

There is no funding and no resource requirements for Phase 0.

## Phase 1

Figure 1: Phase 1 Resources

Resources	Quantity	Cost Per Unit	Total Cost
Workstations	2	\$1,000	\$2,000.00
Servers	2	\$2,000	\$4,000.00
Android Phones	6	\$600	\$3,600.00
SQL		\$0	\$0
XML		\$0	\$0
PHP		\$0	\$0
Apache		\$0	\$0
Total Cost (Phase 1 Resources)			\$9,600.00

In this phase we will be designing a lab prototype. We will be utilizing mostly ODU resources for this Phase. The cost to design a Traffic Wizard prototype in this phase will be the least due to the lack of real world data and multiple user interaction. The stated resources in Figure 1 will be used for simulation purposes.

## Phase 2

Figure 2: Phase 2 Resources

Resources	Quantity	Cost Per Unit	Total Cost
Workstations	10	\$1,000	\$10,000.00
Oracle Servers	5	\$3,500	\$17,500.00
Android Phones	10	\$600	\$6,000.00
Google Maps API	1	\$10,000	\$10,000.00
SQL		\$0	\$0
XML		\$0	\$0
PHP		\$0	\$0
Apache		\$0	\$0
Total Cost (Phase 2 Resources)			\$43,500.00

For Phase 2, we will be purchasing enough resources to implement Traffic Wizard in Hampton Roads, Virginia. In this phase, Google Maps API will be purchased for development of the Traffic Wizard prototype.

## Phase 3

Figure 3: Phase 3 Resources

Resources	Quantity	Cost Per Unit	Total Cost
Workstations*	10	\$1,000	\$10,000.00
Oracle Servers*	5	\$3,500	\$17,500.00
SQL		\$0	\$0
XML		\$0	\$0
PHP		\$0	\$0
Apache		\$0	\$0
Total Cost (Phase 3 Resources)			\$33,500.00

\*Hardware requirement per region.

The resources from Phases 1 and 2 will still be utilized. If more geographical regions are to be added to Traffic Wizards scope, more resources will be needed per region.