Complete the following SEMP sections for: **The DARPA Urban Challenge – See Canvas/Course Documents – Or other Project**

# Technical Management Processes

For each item below, identify tasks and work products, why they are needed, organizational allocation of work, workflow (among organizations), processes, measurement, tools and databases, subordinate plans, and when any specific work products are needed.

## Configuration Management

Includes configuration identification, change management, baselines, configuration status accounting. Address Reviews and Audits in 5.1.1.

* + 1. Baseline Definition and Management
       1. Configuration Identification

Describe how configuration items are designated (criteria and processes), and how baselines are established.

* + - 1. Configuration Status Accounting

Describe the methods for establishing and reporting the status of the CM processes in terms of change activity, hardware and software configurations.

* + 1. Change Management

Describe how changes are initiated, executed, verified, and deployed.

* + 1. Requirements Management

Describe requirements configuration management. Traceability should be addressed in 4.2-4.4.

* + 1. Interface Management

Describe the overall process of interface management with emphasis on ensuring agreements are captured, configuration control, and compliance of designs with interfaces (through design, integration, and verification). Identification and definition of interfaces should be addressed in 4.4 and 4.5.

## Information Management and Product Lifecycle Management (PLM)

Describe how engineering development data will be managed to minimize errors and rework. Describe how the engineering and manufacturing (product definition) and support data will be maintained over the life-cycle, including HW and SW.