Systems Engineering Analysis Report (SEAR)

Refer to Section 4 and 5 of the TDOT ITS Project Development Guidelines. Please provide the following information on your report:

- Agency (Address, phone number, e-mail, etc);
- Project Name and Location;
- Date.

At a minimum, the SEAR shall present the following information with appropriate level of documentation:

- Identification of portions of the Regional ITS Architecture (RA) being implemented or applicable portions of the National ITS Architecture;
- Identification of participating agencies roles and responsibilities;
- Concept of Operations;
- System Requirements;
- System Design;
- Analysis of alternative system configurations and technology options to meet requirements and rationale for technology selection;
- Analysis of procurement options including rationale for selected option;
- Identification of applicable ITS standards;
- System Integration Plan;
- System Verification Plan including the testing Plan;
- System Validation Plan;
- Procedures and resources necessary for operations and management of the system;
- Project Plan and Systems Engineering Management Plan (SEMP) (if applicable)
- Traceability matrix;
- Change Management Control;
- Documentation to revise applicable ITS Regional Architecture.

- Suggested Turbo Reports to attach with this documentation:
- Stakeholder Report
- Inventory Report
- Project Architecture Report – Interconnect and flow diagrams
- Region to Project Comparison (tabular form)
- Market Packages Report – Roles and Responsibilities Report
- Functional Requirements Report
- Standards Report
- List of Agreements