This SERF is to be used to determine if an ITS Project can be considered Low-Risk and therefore be covered under the Programmatic Agreement for ITS Systems Engineering Analysis between FHWA and ODOT dated February 25, 2014. The completed SERF, along with the Functional Requirements document for the associated Project Category, will satisfy the Systems Engineering Analysis requirements of 23 CFR 940.11. This document is to be completed during the Planning phase of the ODOT Project Development Process (PDP).

Please provide the following project information. In most cases, 1 to 3 sentences will be sufficient for each item, but you may include as much information as necessary:

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1. PID –
2. Project Sponsor Contact – Name, position, phone and email.

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1. Project Location – County-Route-Section, Logical Termini **and** which ITS Architecture.

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1. Project Category – Check the appropriate category.

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|  | 1. Closed Loop Arterial Traffic Signal System
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|  | 1. Centrally Controlled Arterial Traffic Signal System
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|  | 1. Highway Rail/Traffic Signal Pre-emption
 |
|  | 1. Traffic Signal System with Emergency Vehicle Pre-emption
 |
|  | 1. Traffic Signal System with Transit Priority
 |
|  | 1. Ramp Meter System
 |
|  | 1. Adaptive Traffic Signal Control System
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If the project is not one of the above categories, a project-specific Systems Engineering Analysis will need to be completed per Traffic Engineering Manual (TEM) Part 13.

1. Project Description – What type of ITS work is being performed?

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1. Project Objective(s) – What needs are being addressed by the ITS work?

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1. Which ITS Architecture Market Package is being used on this project?

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|  | Surface Street Control - ATMS03 |
|  | Freeway Control - ATMS04 |
|  | Standard Railroad Grade Crossing – ATMS13 |
|  | Advanced Railroad Grade Crossing – ATMS14 |
|  | Transit Signal Priority – APTS09 |

1. List the project Stakeholders and their roles and responsibilities.

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1. Provide a description of the alternatives considered and why the proposed was selected?

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1. Risk Assessment Guidance – Please answer the following questions:

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| Question: | YES | NO |
| 1. Are all of the project stakeholders included in the ITS Architecture?
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| 1. Will the project data flows conform to the Market Package data flows?
 |  |  |
| 1. Will the project use only interfaces as defined in the ITS Architecture?
 |  |  |
| 1. Will this project provide functionality in conformance with the Functional Requirements document approved for this project category?
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| 1. Will the project be procured using the low-bid contractor with consultant design approach?
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| 1. Will the project use only products from ODOT’s Approved Product List, which meet the applicable ITS standards and testing procedures?
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| 1. Will the project use only operations & management procedures that are defined in the Regional ITS Architecture for this project category type?
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| 1. Has a plan been developed for the operations & management of the project, including staffing, power outages, failures, etc.?
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If all of the above questions are answered “YES”, then the project can be considered Low-Risk. The completed SERF and the Functional Requirements document for the selected Project Category in Number 4 above will then serve as the Systems Engineering Analysis for the project.

If any of the above questions are answered “NO”, then the project is considered High-Risk and a project-specific Systems Engineering Analysis shall be performed per TEM Part 13.

The completed SERF shall be retained as part of the project files.

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SERF Completed By: Date: