## SYSTEMS ENGINEERING REVIEW FORM (SERF)

Please provide the following background information. In most cases, two to three sentences are enough for each item.

A. Project Contact:  PART 1 – GENERAL PROJECT INFORMATION				
NAME	POSITION			
PHONE NUMBER	E-MAIL			
AGENCY	JOB NUMBER			
FISCAL YEAR	ANTICIPATED LETTING			
B. Project Objectives: What is the purpose of the project?	What needs (deficiencies) are being addressed?			
C. Project Summary: What solutions will address the need function(s) will be performed?	ds? What major elements will be installed? What major			
D. Moule to date: Any proliminary planning investigation of	fortions, consisted internal or external exetures exemple			
<b>D. Work-to-date:</b> Any preliminary planning, investigation o etc.?	f options, associated internal or external systems examined,			

E. Is this project considered standard?	Voc	NI.a	
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If this project is determined to be Standard as defined in the Guidance Document, complete the remainder of the SERF. If your project is determined to not be Standard by the Guidance Document, but you wish to provide justification as to why it should be considered, use the space below to describe.

**F. Risk Assessment (RA) Guidance:** Although this assessment is not a regulatory requirement, the answers to these questions will help in understanding the extent of risk involved in this project.

For each question, check Yes, No, or Not Sure

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QUESTION	YES	NO	NOT SURE			
1. Will the project depend on only Owner to implement and operate?						
Will the project use an existing system (Advanced Traffic Management System, etc.) with no or minor (under 120 hrs. estimate) enhancements?						
3. Will the project use only <i>proven</i> hardware and communications?						
4. Will the project use only existing interfaces (no new interfaces to other systems)?						
5. Will the project use only existing system requirements that are defined in writing?						
6. Will the project use only existing operating procedures that are defined in writing?						
7. Does this project conform to the applicable Regional ITS Architecture (or if a regional ITS architecture does not exist, the applicable portions of the National ITS Architecture)						
MDOT Use Only - Submit form 2560 (Regional ITS Architecture Conformance and Maintenance Documentation)						

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## PART 2 – REGULATORY COMPLIANCE INFORMATION

	Please briefly answer each question. If the question cannot be fully answered now, but will be answered during the project implementation, please indicate the step at which it will be answered.					
A	. Identification of Participating Agencies Roles and Responsibilities: Can you identify all stakeholders that must participate in the design phase of this project? What are their roles/responsibilities? Have they committed to the responsibilities? If this will be defined in a later phase of the project (i.e., Concept of Operations).					
В	Procedures and Resources Necessary for Operations, Maintenance and Management of the System: Can you identify all stakeholders that must participate in operations, management and maintenance of the system throughout its life cycle? What are the roles, responsibilities, and resources required from each stakeholder? You should consider hardware, software, and communications issues. List any inter agency agreements existing or required. Who will maintain the proposed devices (ITS Maintenance, Electricians, Third-Party Contractor, etc.)?					
С	<ul> <li>Requirement Definitions: Are the system requirements (functional and performance) already well-defined in writing?</li> <li>Yes</li> </ul>					
	If yes, indicate where they can be found (i.e., Standard Specs). The focus is on "what" functions must be performed, not "how" the technology will be used to perform them.					

D.	Identification of April (Unique or FUSP) a				es: Are any existing ITS seed to be created?	specifications
E.	designs been consi	dered? (i.e., Syste technology.) If the	m configurations, o	different organiza	ons to Meet Requirementional roles, alternative hane, this analysis will occur	ardware, software,
F.	Additional Informa	ntion or Comments	S			
MD	OT Use Only:	Standard	Low-Risk	High-Risk	COMMENTS	
APF	PROVAL		SIGNATURE	<u> </u>		DATE
	TE D :				L MDOTITO D	

**NOTE:** Project classification as process for low- and high-risk will be determined by the MDOT ITS Program Office within 14 days of submission by the local agency. A review of the project classification by the FHWA Area Engineer can be requested by the submitter if the initial determination is challenged.