

IntelliDriveSM

Vehicle to Infrastructure Connectivity for Safety Applications

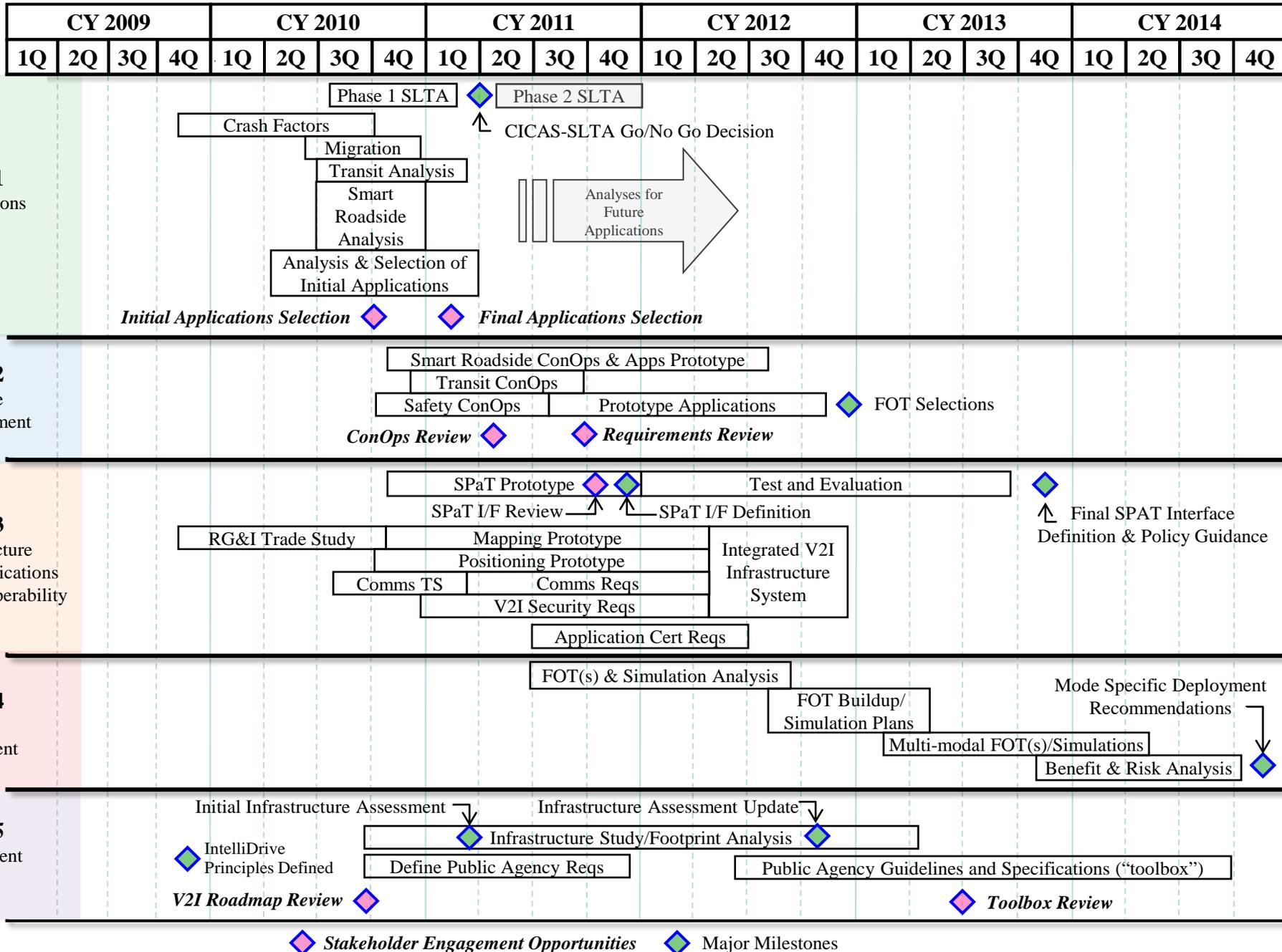
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U.S. Department of Transportation

IntelliDrive Safety Workshop
Chicago, IL
July 20 - 22, 2010

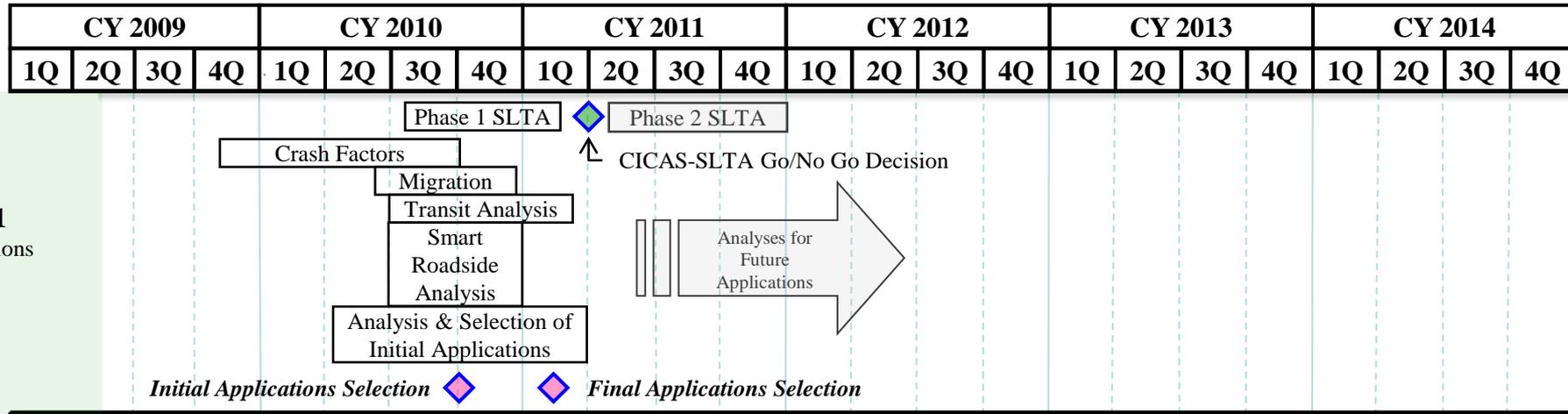
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V2I Safety Applications Roadmap - Draft July 12, 2010



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TRACK 1 – Applications Analyses

Key objective: Determine high value safety applications for initial V2I safety deployment.

Major outputs: A set of applications that will be further developed in Track 2.

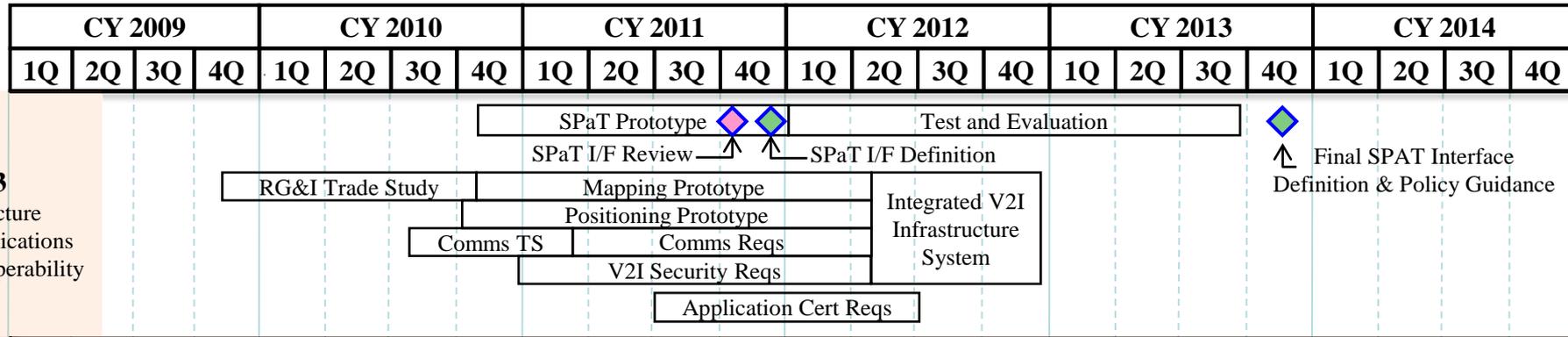
Items to be covered:

- Status of CICAS-SLTA
- Multimodal Applications Analyses
- Selection of Safety V2I Applications

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	CY 2009				CY 2010				CY 2011				CY 2012				CY 2013				CY 2014							
	1Q	2Q	3Q	4Q																								
Track 2 Prototype Development																												
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Track 3
Infrastructure
Communications
& Interoperability

TRACK 3 – Infrastructure Communications & Interoperability

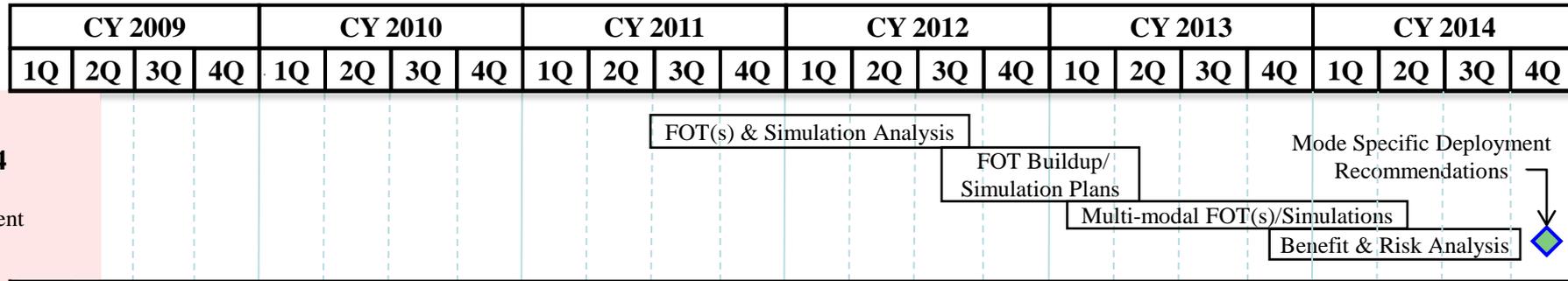
Key objective: Provide the critical technology underpinnings that allow safety applications to be deployed nationally.

Major outputs: Integrated V2I Infrastructure System needed for exchange of useful data and information.

Items to be covered:

- Definition of SPaT Interface and Policy Guidance
- Infrastructure Systems Interoperability and Communications
- Integrated V2I Infrastructure System (Reference Implementation)
- Applications Certification Requirements

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TRACK 4 – Benefits Assessments

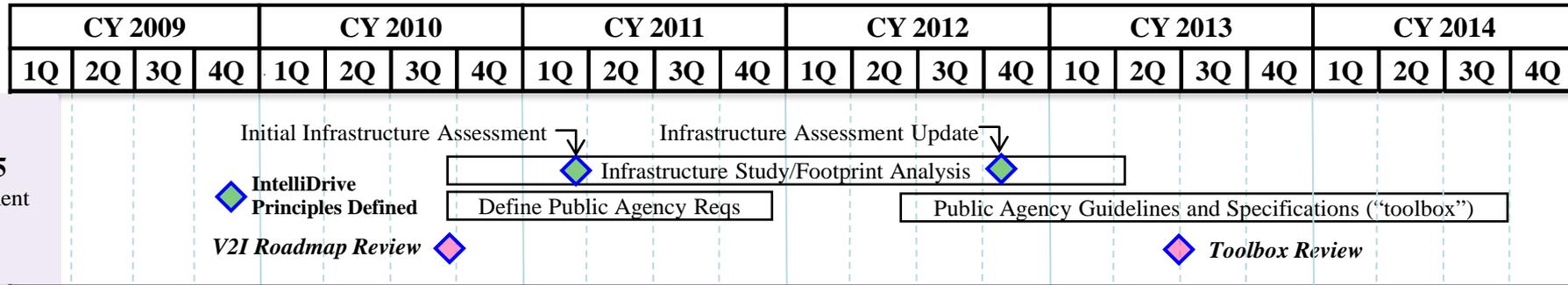
Key objective: Conduct field operational tests and simulations.

Major outputs: Reports covering cost-benefit analyses and the associated potential risks for deployment of V2I safety applications.

Items to be covered:

- Prototype Application Evaluations
- Benefit & Risk Analyses

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TRACK 5 – Deployment Planning

Key objective: Develop tools and guidelines that will aid practitioners in making sound decisions on how to plan, deploy, operate, and maintain V2I systems.

Major outputs: Public Agency Guidelines and Specifications (“Toolbox”)

Items to be covered:

- Infrastructure Study / Footprint Analysis
- Definition of Public Agency Requirements
- Development of Public Agency Guidelines and Specifications – Toolbox

Breakout Questions

1. Are the **research activities** adequate to achieve our objective in this track?
2. Do you foresee any **technical issues** that may pose a challenge in order to get the work done?
3. Do you foresee any **policy issues** that may pose a challenge in order to get the work done?