

Integrated Vehicle-Based Safety Systems

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What is IVBSS?

- A New US DOT Safety Initiative
- Goal:
 - To work with industry to accelerate introduction of integrated vehicle-based safety systems into the U.S. vehicle fleet.**
- Addresses **3 Crash Types:**
 - **Rear End**
 - **Road Departure**
 - **Lane Change**

Program Motivation

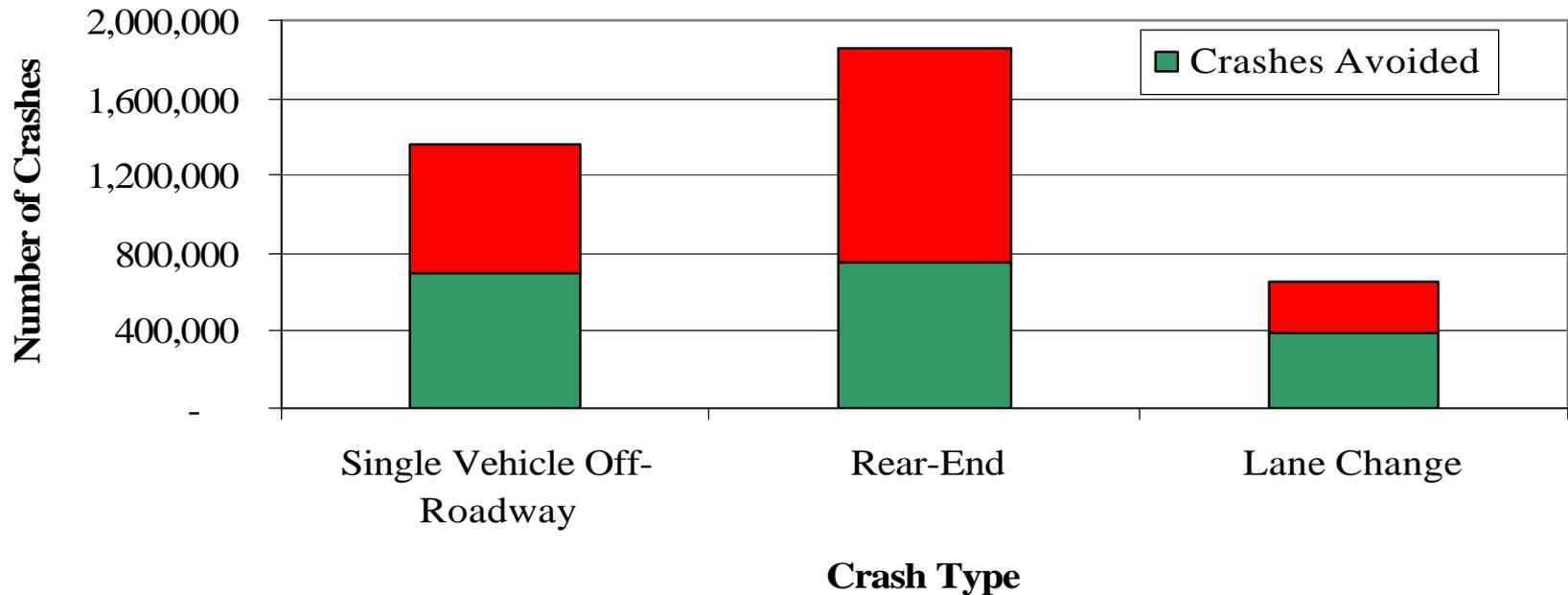
Why is Integration Important?

- **Increased** safety benefits
- **Better** overall system performance
- **Reduced** system cost (**economies of scale**)
- **Improved** driver and fleet acceptance
- **Enhanced** marketability

Rear-end, run-off-road, and lane change crash countermeasure systems could prevent over 48% or 1,836,000 target crashes.

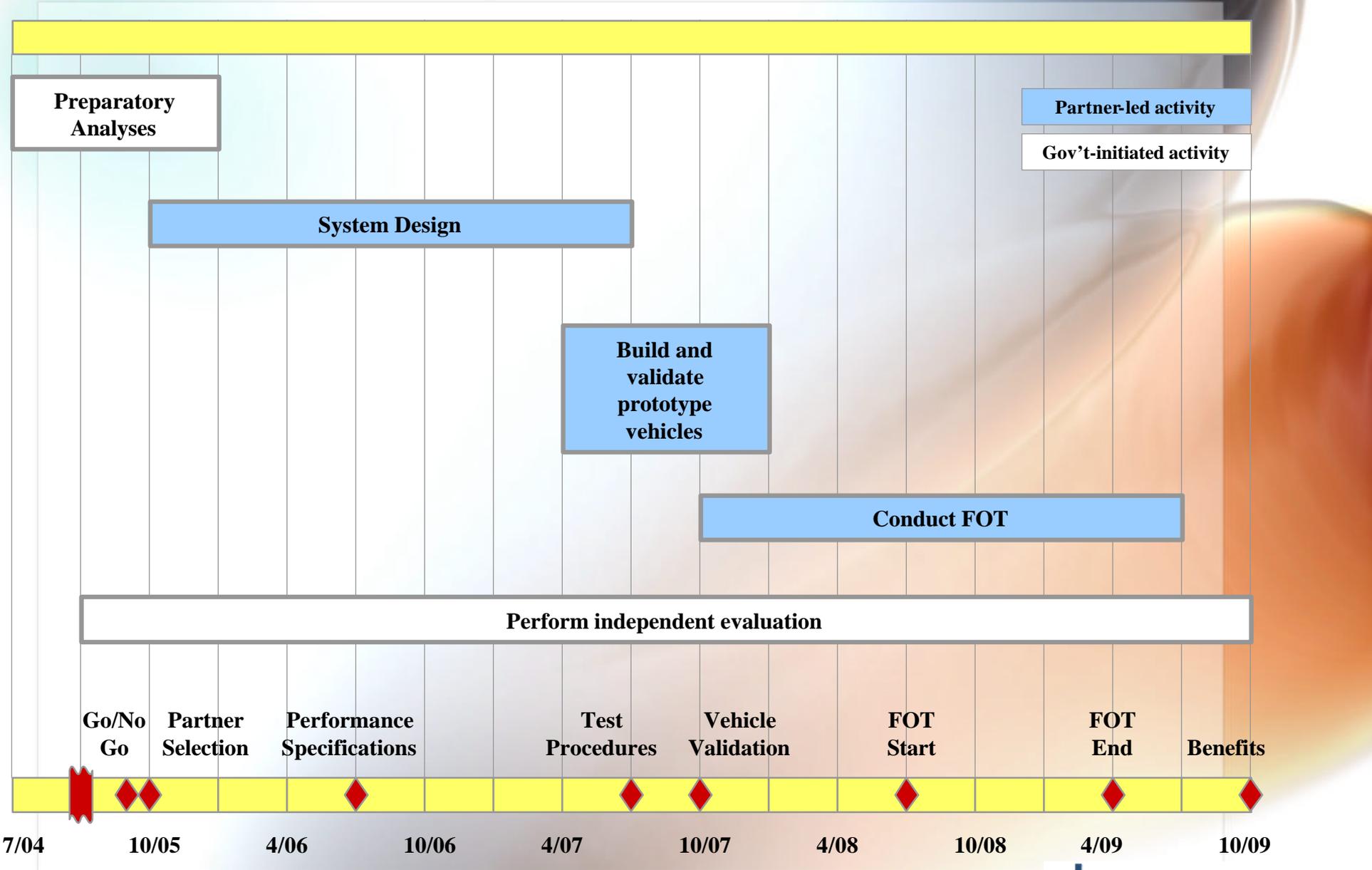
Crash Problem/Crashes Avoided*

3,877,000 total crashes – 1,836,433 crashes avoided (48%)

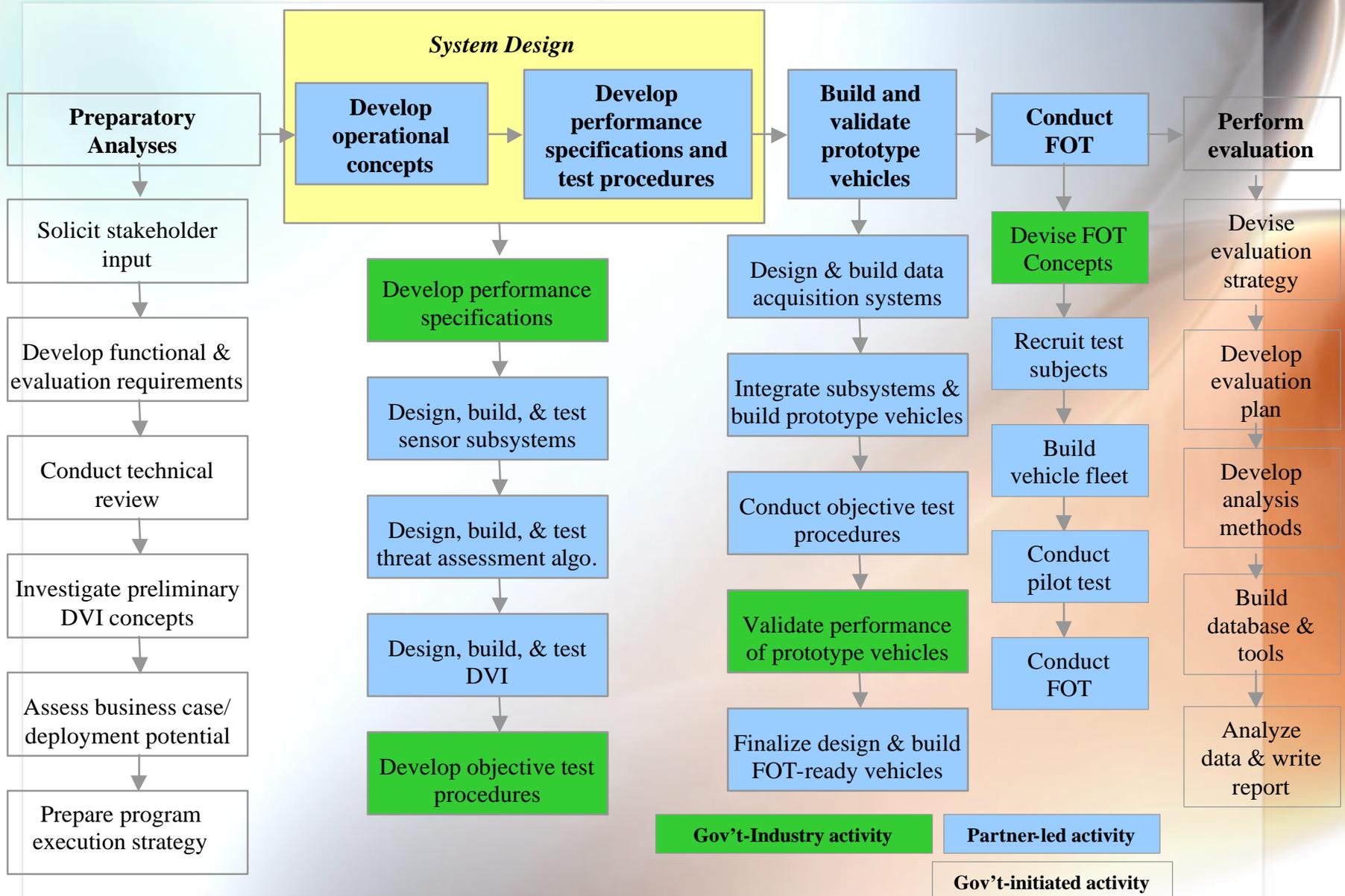


*For light vehicles and heavy trucks using 2003 GES Data

Program Timeline



IVBSS Program Activities



IVBSS Outreach Activities

- Meeting with Industry **planned for Spring 2006 in Detroit**
- Information sharing/coordination with **EU PReVent** program through ITSWC
- Future meetings with Industry covering **performance specs, objective tests, and early program results** planned for 2007-08

Current Status

- Preparatory Analyses **completed**
- RFA issued, applications **received and evaluated in July-August**
- Winning team selected **in mid-Sept.**
- Contract award **finalized Nov. 23**
- Public announcement of winning team **pending**
- Kickoff meeting at NHTSA – **Dec. 14**
- System Design **will start early FY'06**



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