



Environmental Management Systems 2006 Implementation Survey

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EMS Definition

“The organizational structure, associate responsibilities, and procedures to integrate environmental considerations and objectives into the ongoing management decision making processes and operations of an organization ”

AASHTO Center For Environmental Excellence



EMS Framework

The scope of an EMS is designated by a “fence line” that identifies one or more areas of managerial emphasis for improved environmental compliance or enhancement.

EMS uses a basic four step management approach,

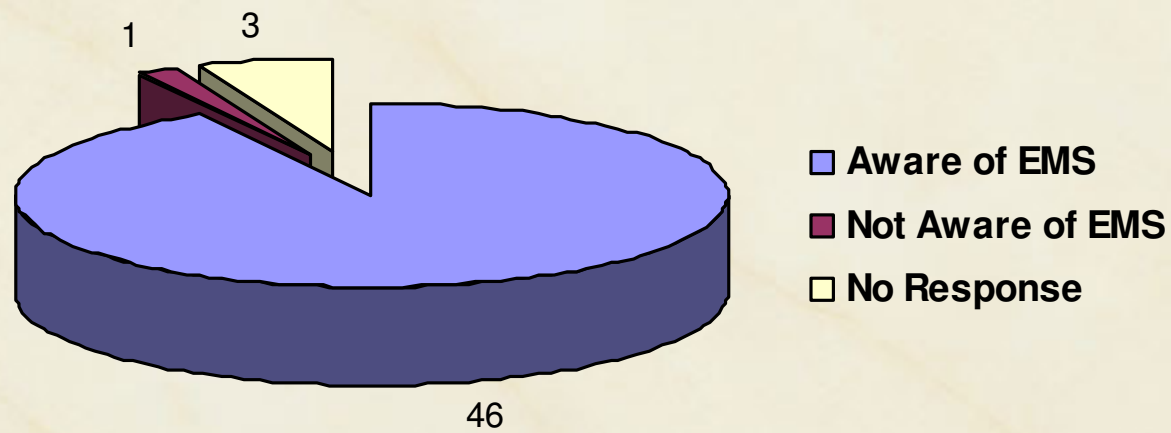
- Plan – What are we going to do?
- Do – Let’s do what we said.
- Check – Have we met our expectations?
- Act – Do we need to change anything?



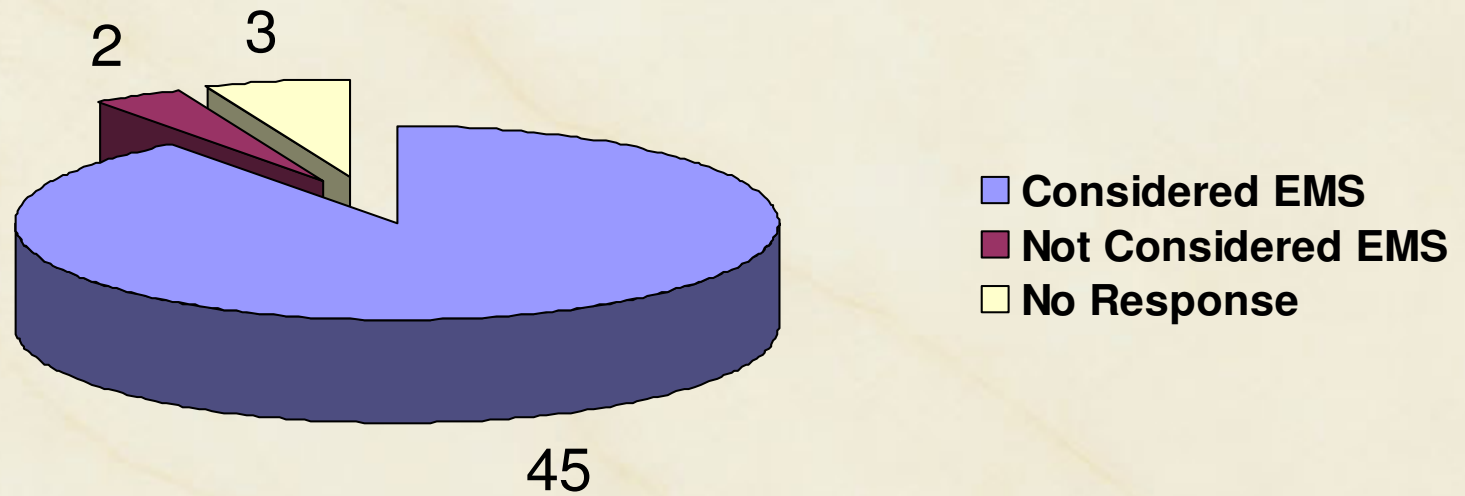
2006 EMS Implementation Report

- Updates 2003 national AASHTO benchmark survey.
- Evaluates EMS awareness and utility.
- Includes focus interview case studies of select DOTs that have implemented EMS.
- Catalogues comments from DOTs for areas for EMS enhancement.
- Records best practices and lessons learned from EMS implementation and operations.

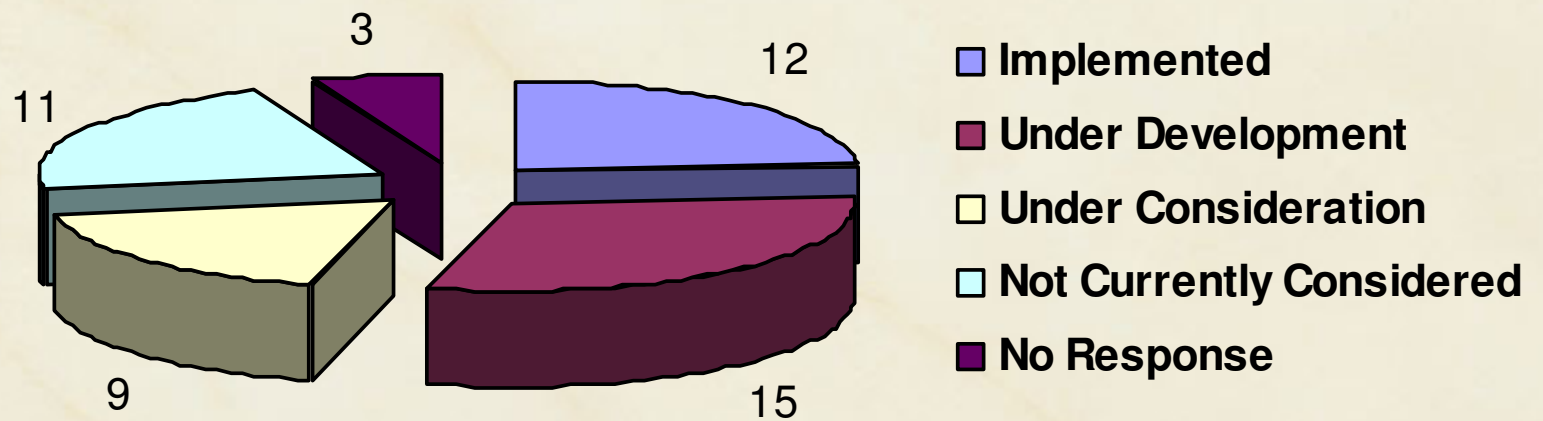
2006 Evaluation of EMS Awareness



2006 Evaluation of EMS Utility

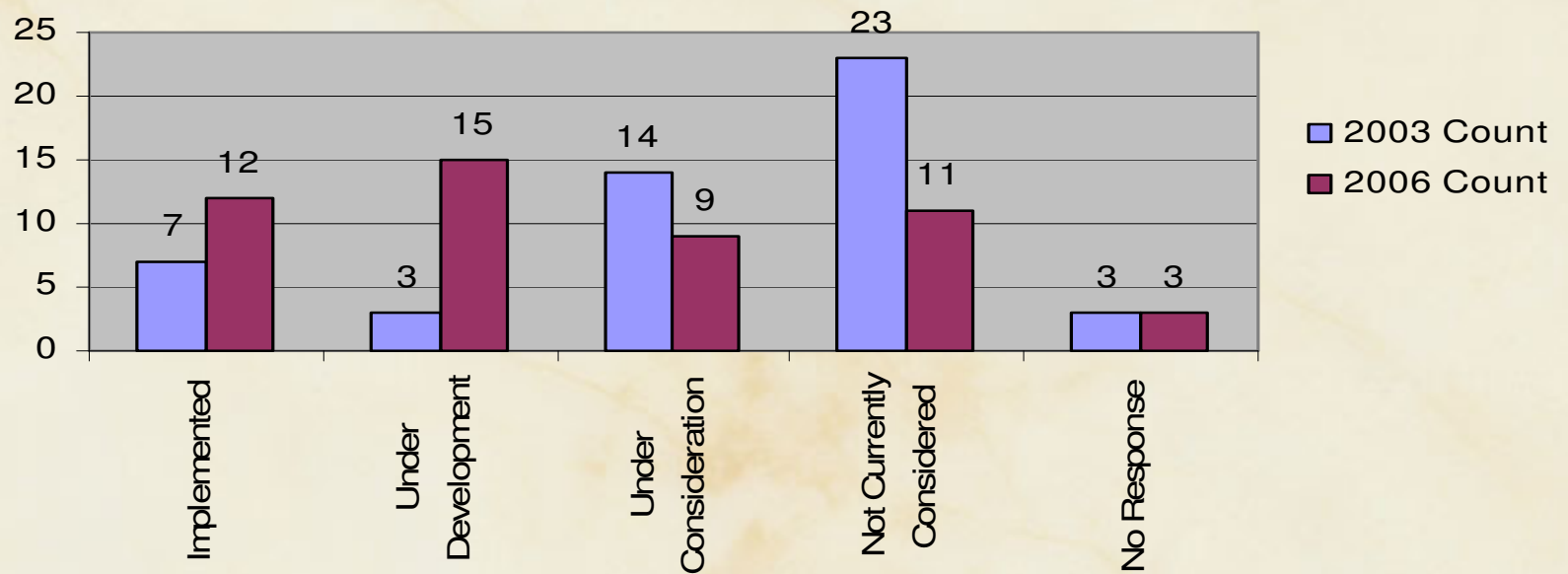


2006 EMS Implementation Status



EMS Implementation Comparison

Comparison >>>>>	2003		2006		2003-2006 Changes	
Category (Best Fit)	Count	Percent	Count	Percent	Count	Percent
Implemented	7	14%	12	0.24	5	10%
Under Development	3	6%	15	0.3	12	24%
Under Consideration	14	28%	9	0.18	-5	-10%
Not Currently Considered	23	46%	11	0.22	-12	-24%
No Response	3	6%	3	0.06	0	0%





Findings and Recommendations

- EMS is inconsistently defined and applied.
- FHWA leadership on EMS is an issue.
- DOTs integrate EMS into going operations.
- DOTs are familiar with the AASHTO EMS implementation Guide.
- ISO 14001 Check Standard is a burden.



Findings and Recommendations

- The views of the current DOT administration are integral to success.
- Small DOTs have “value” issues with EMS as currently defined.
- The consulting industry is treating EMS as a growth market.
- There is a partnering opportunity for the environment and human resources work group.



2006 Lessons Learned

- Communication
- Integrity
- Mitigation Measure
- Compliance Focus
- Consultants
- Costs / Benefits
- Scale
- Adaptability