Summary of Responses to State Pavement Management Systems Questionnaire

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Federal Highway Administration

Background

- Questionnaire was sent out in December 2006
- Responses received from 51 Division Offices
- No comparisons between States were made

Division Offices & Their Involvement With PMS

Number of Division Offices	Level of involvement (% FTE)
3	2% <= FTE
16	2% >FTE>= 5%
16	5% >FTE>= 10%
5	10% >FTE>= 15%
3	15% >FTE>= 25%
0	25% >FTE>= 50%
2	50% >FTE>= 75%
1	75% >FTE>= 100%

Number of DOT's Staff Dedicated to PMS

Number of DOTs	Number of Staff
2	0 =Number of Staff
5	2 <= Number of Staff
15	2> Number of Staff >=5
11	5> Number of Staff >=10
8	10> Number of Staff >=15
2	15> Number of Staff >=20
2	20>FTE

PMS Data Accessibility

Inclusion of Essential Data in PMS
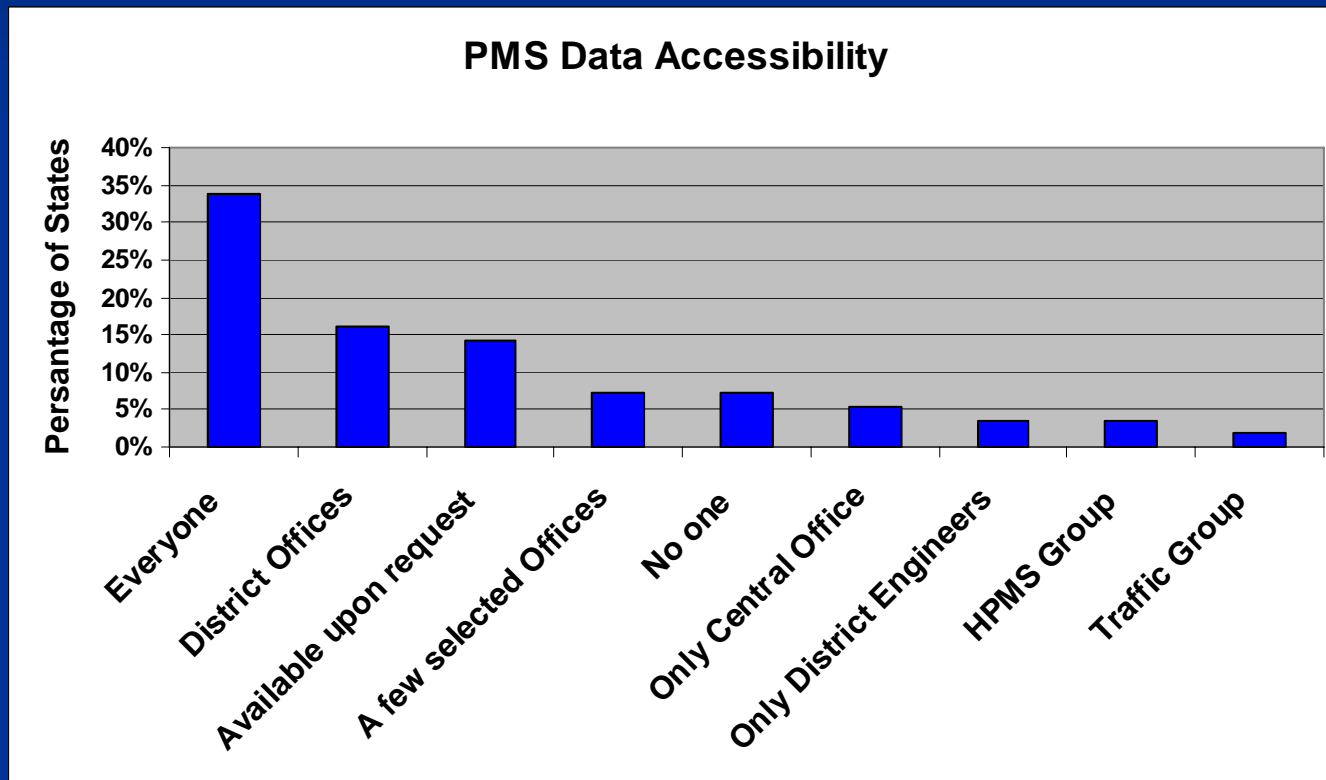
Inclusion of Essential Data in PMS

Treatments Included in PMS
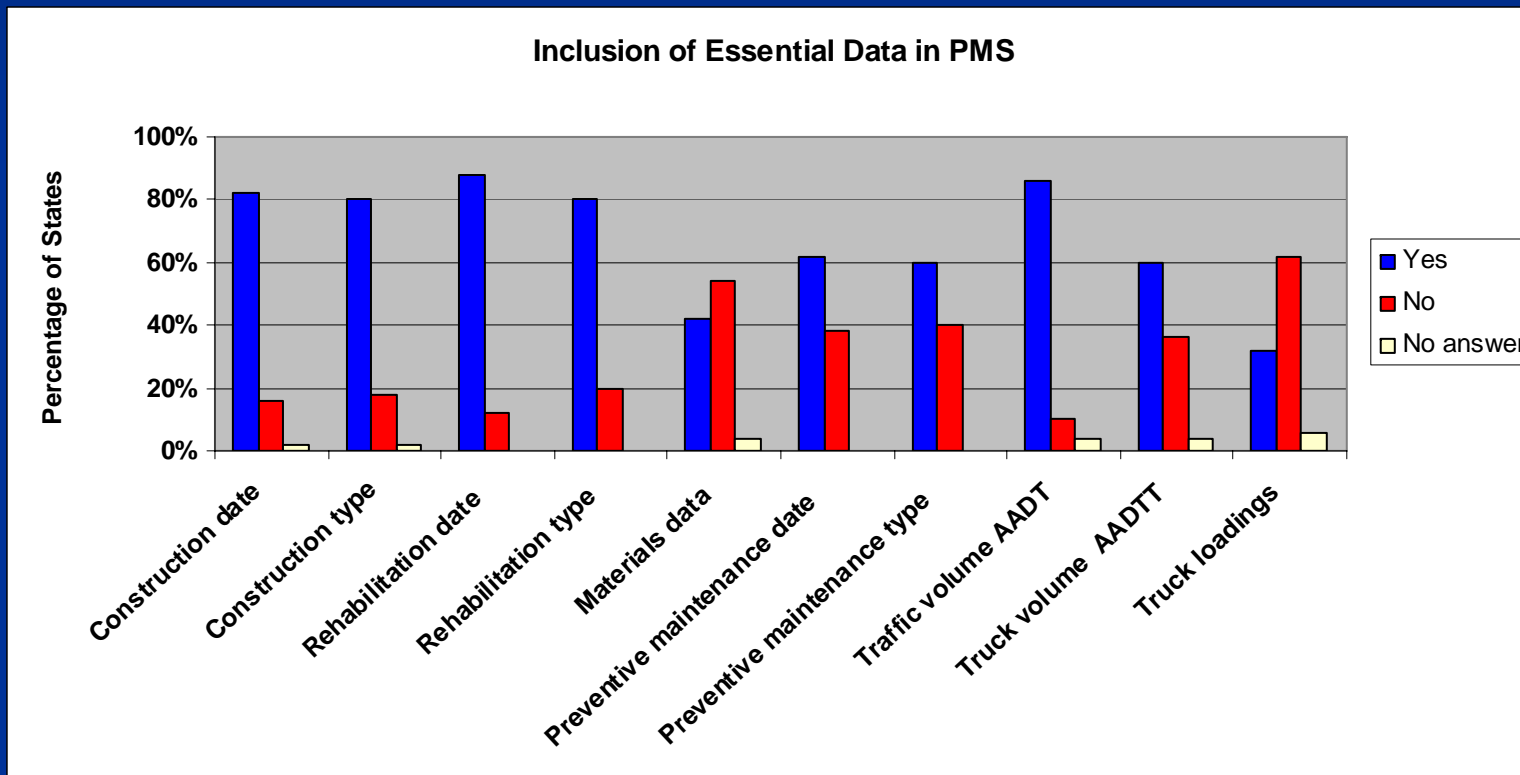
Treatments Included in PMS
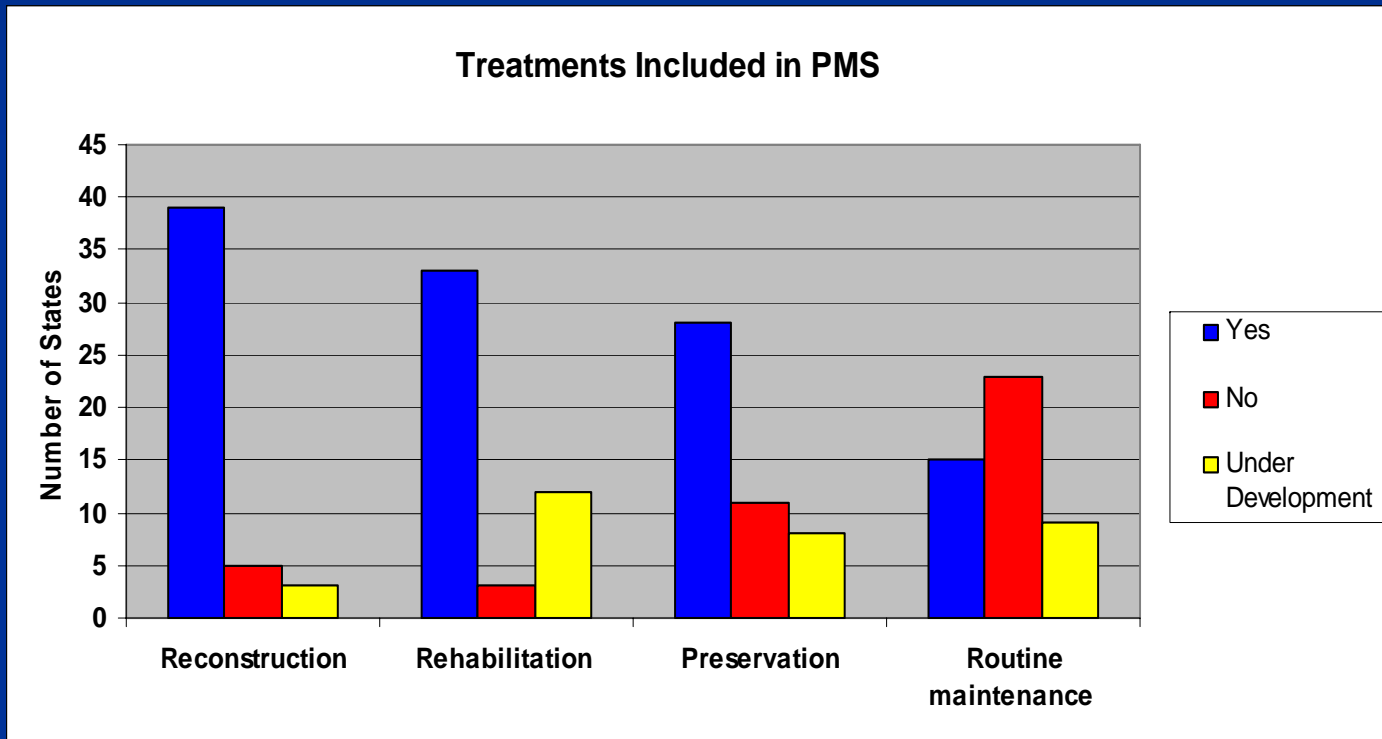
PMS Applications in Forecasting Pavement Condition and Tracking Performance

- **Forecasting Pavement Condition**
  Yes= 76%
  Under Development = 8%
  No = 18%

- Tracking pavement performance
  Yes = 64%
  Under Respondents = 14%
  No = 22 %

PMS Application in Engineering & Economic Analysis

Engineering Analysis

Yes = 57% (49% based on 2004 questionnaire)

No = 16%

Under Development = 27%

Life Cycle Cost Analysis Used to Evaluate Alternative Designs

Yes = 59%

No = 33%

PMS & Remaining Service Life

Remaining Service Life

	Network level	Project level
Yes	37%	37%

Data quality

Good   39

Fair   10

Fair/Poor   1

PMS Role in Project Selection and Prioritization

Is PMS used to select projects?

Yes = 44
No = 6
Under development = 1

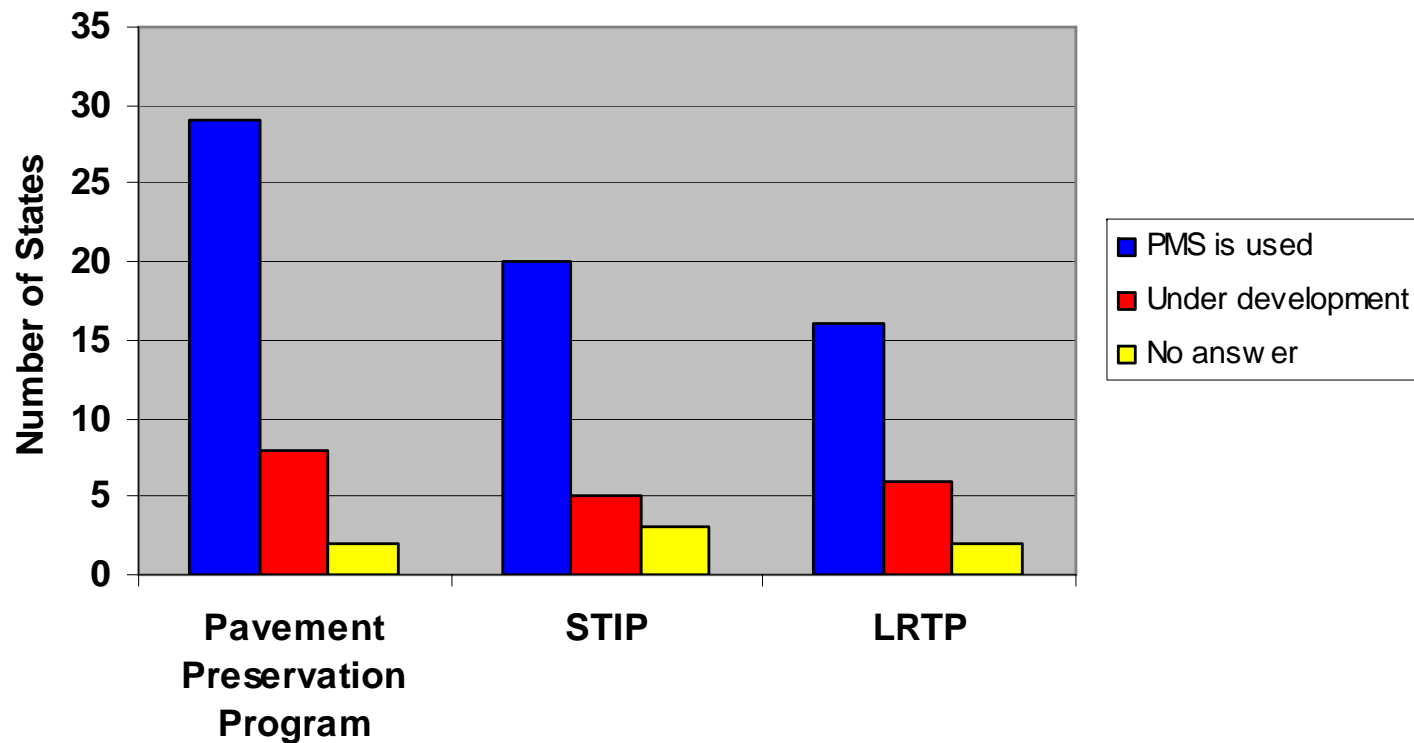**Selection Methods**

Worst first = 9
Through optimization = 1
Multi-year prioritization = 6
Combination of above = 23
Others = 5

Use of PMS in Developing Statewide Plans and Programs

Next Level of Improvement

- Upgrade/New software/Redesign the system   <u>14</u>
- Incorporating RSL into PMS system   <u>7</u>
- Upgrade to a web-based application   <u>6</u>
- Data integration   <u>5</u>
- Performance Models Improvement   <u>5</u>
- GIS interface   <u>4</u>

Future Training Needs