Maintenance Management Systems

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What is Maintenance Management?

The ability to allocate resources according to the work plan.

Plan your work, work your plan.
Why have a Maintenance Management System?

INDOT is responsible for over 11,000 miles of roadway, this includes total feature Inventory of Subdistricts, Toll Road Maintenance Units, and Traffic Districts.
INDOT's Maintenance Management System

- Gives the ability to manage resources (Labor, Equipment, and Material)
- Gives method for tracking work performed.
- Gives cost of work per road segment.
- Allows managers to place priorities on specific maintenance tasks
- Plan and evaluate Resource usage
- Plan and evaluate Work Performance
Example of Maintenance Management

INDOT Activity 2440, Flushing Bridges

(Flush drains, expansion joints, seat and shoe assemblies, gutter lines, and Truss assembly if applicable)

- Recommendation from INDOT's Central Office is 100% of all cleanable bridges
- Each Maintenance Subdistrict plans to accomplish 100% at the start of the year
Example - Tracking Activity
2440, Flushing Bridges

Fowler Subdistrict

- has 75 cleanable bridges
- plans to accomplish 100%
- Planned accomplish 25 bridges per month for March, April, May

Bridge flushing should be scheduled in late Spring, after the winter weather season
## INDOT's Work Management System

### Interactive Workload Distribution

**Workload Distribution**

**Fiscal Year: 2001**

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| Total Person Days | 10,488.5 | 930.6 | 920.0 | 771.6 | 780.2 | 772.2 | 1,029.4 | 850.2 | 913.0 | 995.7 | 763.5 | 809.0 | 953.1 |
| Avail Person Days | 10,110.0 | 882.0 | 902.0 | 840.0 | 800.0 | 720.0 | 840.0 | 800.0 | 840.0 | 920.0 | 760.0 | 882.0 | 924.0 |
| Difference | 378.5 | 48.6 | 18.0 | 68.4 | 19.8 | 52.2 | 189.4 | 70.2 | 73.0 | 75.7 | 3.5 | -70.0 | 29.1 |
| Estimated Staff | 44.3 | 41.8 | 36.7 | 39.0 | 42.9 | 49.0 | 42.5 | 43.5 | 43.3 | 40.2 | 38.5 | 43.3 |
Monthly Reports helps track progress throughout INDOT.

Managers can generate reports for Equipment, Labor, Material usage, Activity cost, Location Maintenance Cost, and many more.

Reports keeps all parties informed as to the status work performed.
Conclusion

- The Maintenance Management System is a tool to plan and evaluate Equipment, Labor, and Materials.
- The “Plan the Work, Work the Plan” method helps ensure the Equipment, Labor, and Material are available when needed to perform the work.
- Work is scheduled in advance. Users can anticipate the emergency work when planning using historical statistics as a guide.