# 2008 Purdue Road School

New Work Management System (WMS)

John Burkhardt March 26, 2008

## Work Management System (WMS)

- >Agency Goal Management Improvement
- >WMS Team Full staff lead by Krystal Cornett in Operations and Lynette Gorczyca in BITS
- **▶**Work Completed
  - **▶** Design & Configuration
  - **>**User Training & Routine Use
  - **▶**Historic Data Conversion
  - **▶**Work Plan Training

### **Current & Future Work**

- > Disconnected (Field Laptops) System Pilot
- > Complete and Load the Location-Specific Feature Inventory Items
- **▶** Location Specific Asset Based Work Orders
- **▶ Development of 2009 Work Plan** 
  - >Traditional Field Visits Begin in April
  - ➤ Work Plans Assigned to "Child" Management Units
- ► Plan Based Work Orders

### **WMS Interfaces**

- >Material Management PeopleSoft Financials
- >Payroll Voucher Interface PeopleSoft Time & Labor
- >Other Agency System Interfaces i.e. M5 (Fleet Management and Traffic Materials) & Pavement Management System (PMS) – through GIS

## **Current Work Management Modules**

- Noadway Maintenance plus Traffic Signs & Markings
- Signal Management Traffic Signal Operations
- Facilities Management Buildings & Grounds

### **System Benefits**

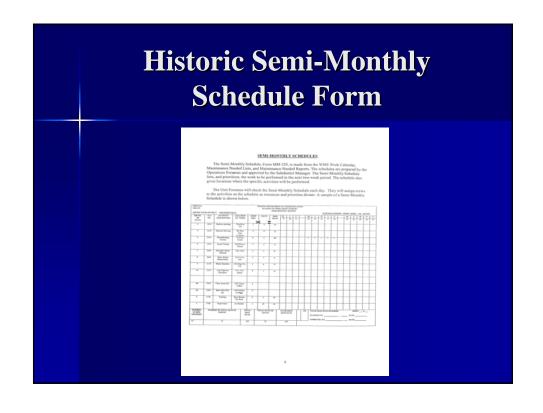
- ➤ Variety of User Defined Reports
- **▶** Material Management Salt & Other Materials
- ➤ Reporting of Work to Specific Feature Assets
- ➤ Analysis of Plan/Accomplishment/Budget to INDOT Target Level of Service
- **▶** Customer Service Through Service Requests
- **▶** BITS, WMS, and District System Support

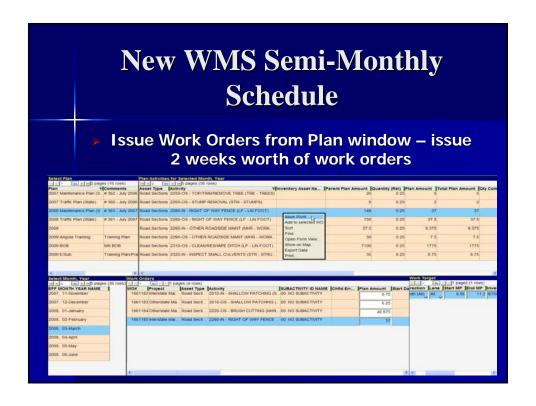
### **WMS Planning Tools**

- Maintenance Quality Survey (MQS) -Deficiencies Used as Planning Tool
- Work Calendar Status Report, High Cost Activity Projects, and Equipment Schedule
- Customer Service Requests
- Preventive Maintenance Feeds Bi-Weekly Schedule
- ➤ Accommodates All, or Parts, of Prior Plans
- Level of Service (LOS) Maintenance Projection, by Activity, Utilizing Pavement Preservation Data

### **Semi-Monthly Schedules**

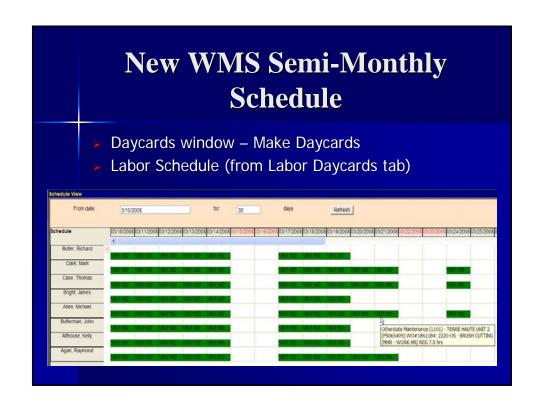
- > Allows Prioritization of Work
- Organizes Work for Short Term
- Provides for Obvious Alternative Work if Bad Weather or Break Down Requires "Plan B"







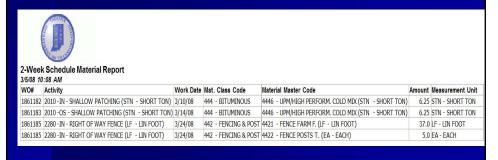






## New WMS Semi-Monthly Schedule

Use reports if necessary to see Material schedule (REPORT\_WO\_MATERIAL\_DC)

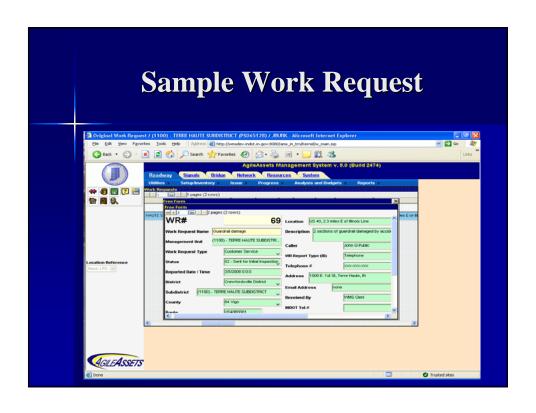


# New WMS Semi-Monthly Schedule – Work & Follow-up

- > Perform Work
- **Enter Day Cards**
- Complete Day Cards
- Select Uncompleted Work and Include in Next (or Future) Semi-Monthly Schedule
- Repeat Process Each Week

# New WMS – Customer Service Work Requests

- Public & Mgmt input of deficiencies for review and work as needed
- Begins "paper trail" for deficiencies or complaints
- **▶** Promotes prompt resolution



# Closing Thoughts and Questions