

# Trns•port Construction System Status Report

Presented at the  
AASHTO Trns•port User Group Meeting

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# Trns•port Systems

- AASHTO Trns•port product suite will soon include 14 components
  - CES: Cost Estimation System
  - PES: Proposal and Estimates System
  - LAS: Letting and Award System
  - CAS: Construction Administration System
  - BAMS/DSS: Decision Support System
  - Expedite: Electronic Bidding System
  - Estimator: Highway Cost Estimation Workstation
  - SiteManager: Construction Management System
  - SitePad™: Handheld Data Collection Software for SiteManager
  - SiteNet™: Electronic Transfer System for SiteManager
  - FieldManager™: Construction Mgmt Suite for Proj Engrs and Inspectors
  - FieldPad™: Handheld Data Collection Software for FieldManager
  - FieldNet™: Electronic Data Transfer System for FieldManager
  - Intranet: Web Browser Access to Trns•port Information



# Trns•port Construction Systems

- SiteManager
- FieldManager
- CAS

Briefly Cover For Each:

- ▶ Implementation Status
- ▶ Maintenance Status
- ▶ Enhancements Status
- ▶ Proposal Status



# SiteManager Implementation Status

- **8** Agencies In Production - **CO**, MO, **NE**, NM, **SC**, **TX**, VT, NB (4 last year)
- **9** Agencies In Implementation - AL, **AR**, CT, FL, GA, IN, IA, LA, VA (12 last year)
- **4** Agencies Planning To Go Into Production in Next 8 Months - AL, CT, FL, IN
- **6** Agencies Have Shown Interest or Planning Implementation - CA, HI, MD, MT, NY, TN
- “Demonstration CD” is Available



# SiteManager MSE 99-00 Status

- 2 MSE/Warranty Releases
- 2 Beta Releases
- 6 Product Updates
- Technology Upgrades to: Oracle 8, Sybase 11, DB2 5.2
- System Architectures Are Now Documented on the Internet ([http://www.cloverleaf.net/sys\\_arch/](http://www.cloverleaf.net/sys_arch/))
- 430 Resolved Error Reports
  - includes those resolved by ALDOT funded resource
- 200 New Error Reports
- 305 Outstanding Error Reports
- 920 Resolved Support Requests



# SiteManager Enhancement Status

## (Highlights Implemented Since Last Year)

- DWR Templates
- Plug-Ins (EXE & URL)
- Stockpiles (completely integrated in payments process) [MSE]
- Change Orders (zero \$, flexible approval seq, neg approval rules)
- Enhanced Payrolls (meeting USDOL requirements)
- Added DWR Preview Report to DWR Window
- DWR Contractor Remarks (supervisor, personnel, & staff)
- New Diary Report
- Tab Level Security on Contract Window
- Contract Activation Disassociated From Notice To Proceed
- Contract and Milestone Charge Day Adjustments



# SiteManager Enhancement Status

## (To Be Implemented This MSE)

- Report Template Facility (RTF)
  - Distributed Processing Services (DPS); Two Converted Reports
- OLE storage in Databases (Oracle, Sybase, DB2, SQL Anywhere)
- DWR Master Lists
- Separate Approval Chains For Progress, Final & Supplemental Estimates
- Display Entity Names and IDs Globally (Vendors, Producer/Suppliers, Materials, and Material Testers)
- Global Retainage Limitation Defaults
- Enhancements to Estimate Summary By Project Report [**States**]



# SiteManager Proposal Status

- SitePad
- Subcontract Data Transfer
- CHAMPS
- SiteNet
- MaterialsManager





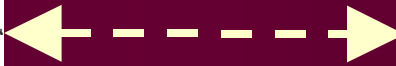
# Subcontract Data Transfer Proposal Status

- Separate Application to Manage Subcontractor Information Data Flow Between Agencies and Prime Contractors
  - Almost All Subcontract Data Entry Performed By Primes
- Initiated at 1999 TUG with Interest from Six Agencies
- Three multi-State Requirements Conference Calls from Jan-Aug 2000
- Three Revisions to Proposal from Jan-Aug 2000
- Successful Solicitation of Funding Oct 2000
  - AL, IA, NE
- Submitted to TTF for Final Approval
- Interested Agencies Should Contact Roger Bierbaum (Iowa DOT)  
([roger.bierbaum@cloverleaf.net](mailto:roger.bierbaum@cloverleaf.net))



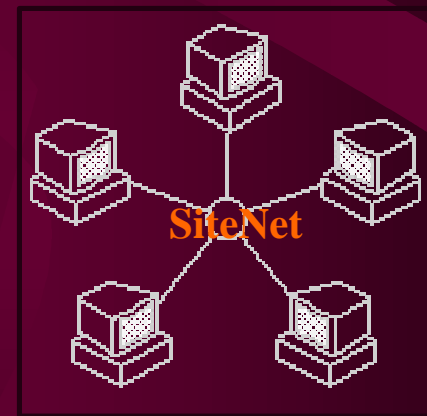
# CHAMPS Status

- ITI continues work with the Jared Group to:
  - interpret specifications
  - provide design assistance
  - participate in interface testing for the Champs software
- The Champs offering involves PES, LAS, SiteManager and DSS
- The results will provide AASHTO customers an alternative EEO reporting and analysis tool compliant with current US DOT regulations and case law



# SiteNet Proposal Status

- Email Server-Based Data Transfer Between Field Units and Centrally Based Workstations
- Primarily Based on Current FieldNet Functionality
- Currently Completing Draft Proposal at Info Tech With Planned Delivery to TTF and Agencies Dec 2000



# MaterialsManager Proposal Status

- Current SiteManager Materials Capabilities
- MaterialsManager History
- Current MaterialsManager Proposal
- MaterialsManager Proposal Status
- What's Next?



# Materials Manager Proposal Status

## (Current Site Manager)

- Material Handling from Project Perspective
- Keeps Record of Sufficient Data to Document project Acceptance and Payment
- Based on Best Practices, Policies & Procedures as of 1995
- Minimal Laboratory Management
- Limited Test Comparisons
- No True way to Handle Independent Assurance
- Limited Number of Standard Tests
- Capturing of Test Results but No Worksheets



# Materials Manager Proposal Status

## (Proposal History)

- TTF Received Resolutions from:
  - 1998 Meeting of AASHTO Subcommittee on Materials (ASOM)
  - 1998 Meeting of AASHTO Subcommittee on Construction (ASOC)
- TTF Requested InfoTech to Prepare a Proposal
- Requirements Meeting – Austin, TX November 98  
(12 states participated)
- Proposal Scoping JAD, March 1999, Atlanta  
(6 states & FHWA)



# MaterialsManager Proposal Status

## (Current Proposal - SiteManager Component)

- Enhanced SM Functionality for Construction Related Materials Processes
- Added SM Functionality for Materials Testing
- New MaterialsManager Component
- Generic Interface with Commercial LIMS products



# Materials Manager Proposal Status

(Current Proposal - New Component)

- Support for R18 & CFR 23 Requirements
- Support for Materials Related Innovative Contracting Techniques (e.g. performance based specs)
- More Standard Tests and More Reports
- Core Lab Management Functionality



# Materials Manager Proposal Status

(Current Proposal - New Component)

- Handheld Data Collection Devices for Capturing Sample and Testing Data
- Interfaces With Electronic Testing Devices and Bar Coding Devices
- Secured, Internet Access for Non-DOT Personnel (e.g. contractors, producers, etc.)
- and much more...



# Materials Manager Proposal Status

## (Proposal Status)

- Solicitation in January 2000 for \$7.34 M
- 20 Participants Was Goal
- 11 Respondents Agreed (2 additional after deadline)
- Polled 11 Respondents to determine course of action:
  - Increase Participants Amount
  - Proceed with Phase 1 (SiteManager Enhancements)
  - Re-Evaluate Work Plan
  - Cancel Entire Project
  - Seek More Participants
- Polling Responses
  - Majority Wanted To Proceed by Re-Evaluating the Work Plan and Seek More Participants
  - No Desire to Cancel Project



# Materials Manager Proposal Status

## (Proposal Status - Continued)

- Resolutions Passed in 2000 Meetings of the ASOM and ASOC for Continued Proposal Support
- Subcommittees Recognize Need to Re-evaluate Currently Proposed Work Plan and Re-define Scope
- Request Sent to AASHTO Standing Committee on Highways to Support Establishment of Joint Task Force (including the ASOC, ASOM, and FHWA) for Revised Planning and Scope



# Materials Manager Proposal Status

## (What's Next?)

- Establish Joint Task Force
- Address Issues Found During Last Funding Solicitation
  - Clarify Misunderstandings
  - Re-Define Scope
  - Get More Participants or Work Within Current Solicited Amounts
- Finalize Proposal
- Actively Promote Proposal Approval
- Get Project Going



# FieldManager Overview

- New Transport Offering
  - Application has been in use since 1998
- Supplies Full Field Construction Functionality
- Interfaces to CAS Which Provides Additional Central Office Functionality
- Product Suite Includes:
  - FieldManager
  - FieldBook
  - FieldPad
  - FieldNet
  - FieldBuilder



# FieldManager Implementation Status

- **6** Agencies In Production - AR, IA, ME, MI, OK, WI
- **217** Local Government Agencies Implementing - IA, MI (will soon include OK, WI)
- **233** Consulting Firms Implementing - MI, OK, WI
- Many Other Federal, State, and Local Agencies Actively Interested
- FieldManager “Interactive Product Tour” and Demonstration CD’s Are Available



# FieldManager Maintenance Status

- Last Major Release in Feb 2000 (Release 3.1)
- First Annual Users Group Meeting Apr 2000 in Atlanta (Primarily Discussed S/W Improvements)
- Resolved ~925 Support Calls Last Year
- Currently Available in the AASHTOWare Catalog
  - Current licenses with Info Tech will run to completion; then agencies will license via AASHTO Trns•port MSE



# FieldManager Enhancement & Proposal Status

- SiteManager-FieldManager Interface Proposal
  - Primarily Based on CAS-FM Interface
  - Draft Proposal Currently Being Finalized at Info Tech
  - Proposal Delivery to TTF and Agencies Dec 2000

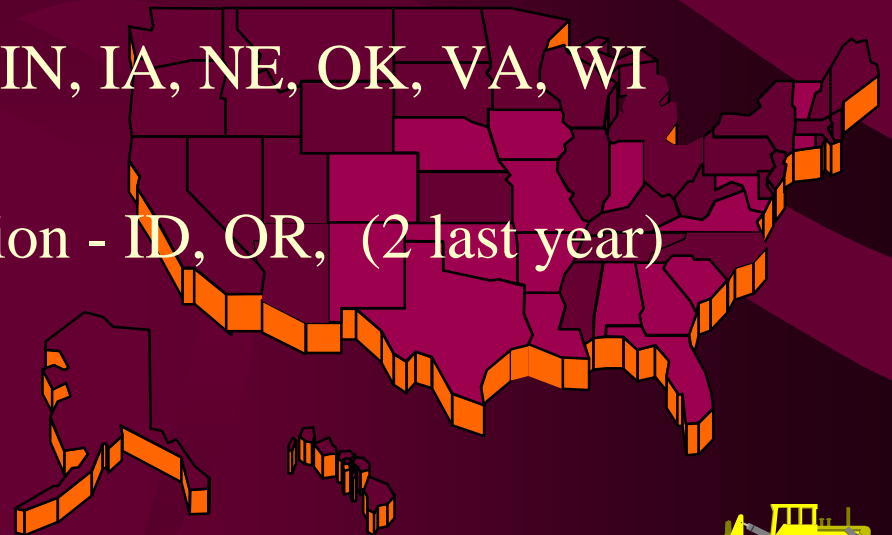


- Info Tech Drafting Additional Enhancement Proposal based on First Annual User Group Meeting



# CAS Implementation Status

- Client/Server CAS
  - 5 Agencies In Production - AR, ME, MD, MI, VT (3 last year)
  - 1 Agency In Implementation – GA (2 last year)
- Mainframe CAS
  - 7 Agencies In Production - IN, IA, NE, OK, VA, WI (10 last year)
  - 2 Agencies In Implementation - ID, OR, (2 last year)



# CAS Maintenance Status

- 1 MSE Release (C/S CAS 5.0a)
- 4 Product Updates
- Technology Upgrades: Batch Re-Write in C
- 25 Resolved Error Reports
- 60 New Error Reports
- 94 Outstanding Error Reports
- 92 Resolved Support Calls
- Working Towards C/S Platform Certification (Oct 24, 2000)



# Questions???

