Topics

- wvOASIS Background
- Project Schedule
- CGI Advantage Implementation Methodology
- WVDOT Specific Benefits
wvOASIS Defined

• An enterprise resource planning or ERP system is a comprehensive suite of commercially-available integrated modules that provide end-to-end support for statewide administrative functions

• wvOASIS is the State of West Virginia’s new ERP solution
wvOASIS Background

• Pre-implementation planning phase of the project initiated in May 2010
• Requirements defined for each functional area – more than 50 DOT staff participated in this effort
• RFP released in January 2011
• Evaluation of technical proposals and software demonstrations conducted in the Spring of 2011
• BAFO process conducted in summer 2011
• Contract signed with CGI on December 14, 2011
wvOASIS Scope

PROCUREMENT AND LOGISTICS
- Solicitations
- eProcurement
- Vendor Self-Service
- Contracts Management
- Warehouse Inventory
- Fleet Management
- Facilities Management
- Real Estate Management
- Transportation Operations Mgmt
- Transportation Asset Inventory
- Safety Management
- Right-of-Way and Utilities

HUMAN RESOURCES/PAYROLL
- Position Control
- Personnel Administration
- Payroll Administration
- Employee Relations & Performance Management
- Recruitment and Applicant Services
- Benefits Administration
- Learning Management
- Time Reporting
- Employee Leave Accounting
- Employee Self-Service

FINANCIAL MANAGEMENT
- General Ledger & Budgetary Control
- Accounts Payable & Travel
- Procurement Card
- Accounts Receivable & Billing
- Grants Management
- Project Management
- Cost Accounting/Allocation
- Asset Management
- FHWA Federal Aid Billing
- Budget Development

TREASURY MANAGEMENT
- Banking
- Cash Management
- Debt Management
- Investment Accounting
Time & Labor Interfaces

Note: The Interfaces mentioned below are discussed in detail in the Phase D Interface Plan

HK1: Employee Demographics
HK2: Multiple Reference Table Data
HK4: Employee Labor Distribution
HK5: Certifications, Skills, and Licenses
KH1: Work Week Schedules
KH2: Leave Accruals/Leave Reset/Sick Leave Payback
KH4: Approved Timesheet interface for Payroll Processing
KH5: Time and Leave Payout at Termination
The Interfaces mentioned below were added after the approval of the Phase D Interface Plan
KH6: Preliminary Payroll
KH7: Supplemental Payroll

Note: The Interfaces mentioned below would be discussed in detail in the Phase E Interface Plan
FA1: COA Info to Agile
FA2: Fixed Assets to Agile
AF1: Vehicle Usage to FIN
AF2: Work/Task Order Numbers
FA3: Actual Costs

HA1: Employee Demographics
HA2: Multiple Reference Table Data
AH1: Taxable Vehicle Use (Take-home Vehicle)

AK1: Entered Timesheets
AK2: Approved Leave Requests
KA2: Equipment Usage
KA3: Equipment Usage

Note: The Interfaces mentioned above are discussed in detail in the Phase 3 Addendum
wvOASIS Solution

• CGI Advantage – Financials, Human Resources, Procurement, and Performance Budgeting

• Kronos – Time and Leave

• AgileAssets – Transportation functionality, Fleet, Facilities and Real Estate
wvOASIS Key Benefits

• Consolidate numerous aging and redundant administrative systems across state government into a single, integrated ERP environment
• Facilitate the standardization of human resources/payroll policies and rules across state government
• Achieve more favorable pricing through enhanced procurement practices
  – Reduced Cost of Goods and Services
  – Process Efficiencies for the State
• Improve access to information
• Increase efficiency in the delivery of State services
  – Technical Improvements
  – Business Process Improvements
Financial
• Vicky Casto
• Donna Cox
• Eric Crawford
• Susan Creager
• Parrish French (Parkways)
• Marty Gibson
• Jim Hash
• Mendy McClure

HR/Payroll
• Jeff Black
• Mike Bradley
• Maria Catalano
• JoAnn Twohig

Technical
• Bob Brabbin
• Jr Oliver
• Lynette Shaw
wvOASIS DOT Participants

Procurement
- Anthony Colombo
- Nancy Davidson
- Denise Gould
- Heather Huffman
- Clarence Hughart
- Travis Knighton
- Angie Moorman

Transportation
- Lynn Anderson
- Kim Asseff
- Toni Boyd
- David Brabham
- Cindy Butler
- Jennifer Cox
- Cindy Cramer
- David Cramer
- Sara Daniels
wvOASIS DOT Participants

Transportation
• Carolyn Gorrell
• Ron Hamilton (Parkways)
• Donna Hardy
• Ivan Kapp
• Bruce Kenney
• Brandi Krofcheck
• Marsha Mays
• Rob Pennington

Transportation
• Stephanie Price
• Travis Ray
• Carol Roush
• Todd Schoonover
• Kyle Stollings
• Eugene Tuckwiler
• Kyle Weatherholt
• Yueming Wu
PHASE E Schedule Change...
Phase E Extension

- Approved by ERP Board on April 14
- Scope of extension includes:
  - Go-live of Phase E extended to July 1, 2015
  - Agile Assets will go-live for remaining functionality in Version 7.X
  - Signs and Signals now included in scope – targeting a go-live within 60 days of overall Phase E go-live
  - All DOT agencies except Parkways will now go-live on financials as of July 1, 2015
Implementation Methodology

1. Envision
2. Build
3. Achieve
4. Post Implementation

- Project Management and Planning
- Cultural Change Management
DOT Specific Benefits

• More flexible Federal-Aid billing engine to allow DOT to more easily implement business changes in future Highway bills

• Enhanced and more highly integrated transportation asset management solution to allow DOT to better control/manage total lifecycle cost of transportation assets

• Safety management solution based on industry best practices to support identification and prioritization of safety projects

• Enhanced tools to support the right-of-way acquisition and utility relocation processes reducing risk of project delay
Example System - CPMS
What is CPMS?

• The Capital Program Management System will be the central repository for capital project data.

• Significant projects (e.g. roads, bridges, buildings) will be initiated and managed in CPMS.

• Deployed as a separate instance of Advantage Budgeting (v3.10)
Capital Program Mgt. System

- Funding assignment flexibility
- Integrated finance data tracking
- Web-based workflow
- Enhanced Reporting
- Forecasting Flexibility
The project initiation request will be performed using budget forms.

The standard workflow for budget forms will be utilized for the approval paths for each candidate project (some project phases will skip some stages of the workflow):

1. Initiate Request [1010]
2. Division/District Review [1020]
3. Quality Review [1030]
4. Project Review Committee [1040]
5. Funding Assignment [1050]
6. FMIS Approval [1060]
7. Funding Authorization [1070]
# Project 9901 Setup

## CPMS Dimension Information

| Dimension Information | | | |
|------------------------|——|——|——|
| Code: 2301             | * Element Type: Project | | |
| Name: Rita Bridge-Midway Plaz | Active: | | |
| Security Organization: PUBLIC | | | |
| Short Name: Rita Bridge | | | |
| Scope of Project: Grade, drain, pave and bridge | | | |

| Financial Rollups Information | | | |
| Category: | | | |
| Type: | | | |
| Group: | | | |

| Project Attributes | | | |
| Contact Person: John Morrison | Current Phase: ALL | | |
| Contact Phone: 304-555-5555 | | | |
| Contact Email: john.morrison@wv.gov | | | |
### Project 9901 Setup

**CPMS Dimension Information**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Facility</td>
<td>10' 22' HPA Rdwy 0-10' SHL</td>
</tr>
<tr>
<td>Termini</td>
<td>0.13 M N CO 10/4-Existing WV 10</td>
</tr>
<tr>
<td>Primary Route</td>
<td>WV 10</td>
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<tr>
<td>Subroute</td>
<td></td>
</tr>
<tr>
<td>Begin Milepost</td>
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</tr>
<tr>
<td>Length</td>
<td>0.80</td>
</tr>
<tr>
<td>Start Latitude</td>
<td></td>
</tr>
<tr>
<td>Start Longitude</td>
<td></td>
</tr>
<tr>
<td>Primary NBI Bridge/Tunnel Number</td>
<td></td>
</tr>
<tr>
<td>Sign System</td>
<td>3 - WV</td>
</tr>
<tr>
<td>County</td>
<td>23 - LOGAN</td>
</tr>
<tr>
<td>Inception Category</td>
<td>X - SYSTEM EXPANSION</td>
</tr>
<tr>
<td>Project Type</td>
<td>3 - CON. PLANS ETC</td>
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<tr>
<td>Supplemental Route Designation</td>
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<tr>
<td>MPO</td>
<td>STATEWIDE</td>
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<tr>
<td>District</td>
<td>2</td>
</tr>
<tr>
<td>Direction</td>
<td>NORTH/SOUTH</td>
</tr>
<tr>
<td>Project Asset</td>
<td>0</td>
</tr>
<tr>
<td>Includes ROW?</td>
<td>Yes</td>
</tr>
<tr>
<td>School Bus Route?</td>
<td>No</td>
</tr>
<tr>
<td>Mail Route?</td>
<td>No</td>
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</tbody>
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25
### CPMS Project Schedule

<table>
<thead>
<tr>
<th>Original Estimated Start Date</th>
<th>Original Estimated End Date</th>
<th>Current Estimated Start Date</th>
<th>Current Estimated End Date</th>
<th>Actual Start Date</th>
<th>Actual End Date</th>
<th>% Complete</th>
<th>Phase</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>01/31/2013</td>
<td>01/31/2014</td>
<td>01/31/2014</td>
<td>02/15/2013</td>
<td>02/15/2013</td>
<td>12/31/2013</td>
<td>100</td>
<td>ROW - Right of Way</td>
<td></td>
</tr>
<tr>
<td>02/25/2014</td>
<td>03/17/2014</td>
<td>01/20/2014</td>
<td>02/10/2014</td>
<td>02/20/2014</td>
<td>02/20/2014</td>
<td>100</td>
<td>ENG - Engineering</td>
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<tr>
<td>03/21/2014</td>
<td>02/01/2015</td>
<td>03/21/2014</td>
<td>02/01/2015</td>
<td>03/21/2014</td>
<td></td>
<td>15</td>
<td>CONSTR - Construction</td>
<td></td>
</tr>
</tbody>
</table>
Project 9901 Setup (continued)

CPMS Budget Request Details (ROW Phase)

Edit Budget Request

- Request Code: 58
- Name: Rita Bridge CON
- Description: Budget request for construction phase of Rita Bridge-Midway Plaza project
- Workflow Status: Approved
- Budget Request Total: $7,500,001
CPMS Budget Request Details (ROW Phase)

- **Budget Request Information**
  - Estimated Phase Cost: $7,500,000
  - Initiation Funding Comments: Dedicated funding is available
  - Anticipated Phase Start Date: 03/21/2014
  - Anticipated Phase End Date: 02/01/2015
  - Initiation Funding Source: Federal Funding

- **Dimensions**
  - Project: 2301
  - Phase: CONSTR
  - Access Project
  - Department: 0803
    - Construction

- **Justification Text**
  - Critical component of Governor's statewide infrastructure improvement initiative.
Project 9901 Setup (continued)

CPMS Phase Dollars (ROW Phase)
<table>
<thead>
<tr>
<th>Full Name</th>
<th>Workflow Action</th>
<th>Workflow State</th>
<th>Date &amp; Time</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiator User</td>
<td>Submit</td>
<td>Submitted</td>
<td>10/28/2013 09:34:24</td>
<td>Ready to approve</td>
</tr>
<tr>
<td>Department User</td>
<td>Approve</td>
<td>Approved</td>
<td>10/28/2013 09:35:07</td>
<td>OK to proceed</td>
</tr>
<tr>
<td>Department User</td>
<td>Submit</td>
<td>Submitted</td>
<td>10/29/2013 00:56:30</td>
<td></td>
</tr>
<tr>
<td>Quality User</td>
<td>Approve</td>
<td>Approved</td>
<td>10/29/2013 00:59:51</td>
<td>Looks good</td>
</tr>
<tr>
<td>Quality User</td>
<td>Submit</td>
<td>Submitted</td>
<td>10/29/2013 01:27:44</td>
<td></td>
</tr>
<tr>
<td>Eva Melancon</td>
<td>Approve</td>
<td>Approved</td>
<td>10/29/2013 01:29:45</td>
<td></td>
</tr>
<tr>
<td>Eva Melancon</td>
<td>Submit</td>
<td>Submitted</td>
<td>10/29/2013 01:40:23</td>
<td>PRC approved at 10/31/13 meeting</td>
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<tr>
<td>Joe Weiskircher</td>
<td>Approve</td>
<td>Approved</td>
<td>10/29/2013 01:44:33</td>
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</tr>
<tr>
<td>Joe Weiskircher</td>
<td>Assign</td>
<td>Assigned To Work On</td>
<td>10/29/2013 01:49:28</td>
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<tr>
<td>Phil Castro</td>
<td>Assign</td>
<td>Assigned To Work On</td>
<td>10/29/2013 01:58:06</td>
<td>Completed, now leave me alone.</td>
</tr>
<tr>
<td>Joe Weiskircher</td>
<td>Submit</td>
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<td>10/29/2013 03:42:00</td>
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<tr>
<td>Joe Weiskircher</td>
<td>Approve</td>
<td>Approved</td>
<td>10/29/2013 03:43:31</td>
<td>Ready for PMIS approval.</td>
</tr>
<tr>
<td>Joe Weiskircher</td>
<td>Submit</td>
<td>Submitted</td>
<td>10/29/2013 03:53:01</td>
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<tr>
<td>Rob Pennington</td>
<td>Approve</td>
<td>Approved</td>
<td>10/29/2013 04:48:41</td>
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</tr>
</tbody>
</table>
• Capital Program Management System
• Placeholder slide
• Capital Program Management System
• Placeholder slide
Key AgileAssets Suite Features

**Inventory**
- What do you have?
- Where is it?
- What condition is it in?
- How much is it being used?
- Is it under warranty?
- When was it acquired or disposed of?
- Copy of plans, photos, documents, etc.

**Budgeting** – from costs per day/month/year to needs to forecasting

**Condition Collection and Appraisal**

**Performance Management**

**Reporting** – ease of data presentation to tell your story
- Tables
- Graphs
- GIS
Transportation Asset Inventory (TAI)

• Flexible/extensible asset data repository to support managing all types of assets on the transportation network including:
  – HIGHWAYS – Planning, Equipment, Maintenance, Traffic Engineering, Information Services and Engineering Divisions
  – OTHER AGENCIES: Aeronautics, Port Authority, State Rail, Public Transit and DNR
Transportation Asset Inventory

TAI Matrix contains over 490 individual items in 47 different asset classes. Below is an overview of the current status.

180 - By Interface
52 - By Data Migration to be maintained in Agile
62 - Build Data Definitions to be maintained in Agile
19 - Implementation Deferred
17 - Duplicates
99 - System Functionality
62 - Will Not Implement
## Current Phase B - TAI

### Summary by Responsible Division

<table>
<thead>
<tr>
<th>Maintenance</th>
<th>Traffic Eng.</th>
<th>Program Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pavement</td>
<td>Pavement Markings</td>
<td>Point Assets</td>
</tr>
<tr>
<td>Condition Assessments</td>
<td>Traffic barriers</td>
<td>Code Tables</td>
</tr>
<tr>
<td>Drainage</td>
<td>Signs</td>
<td>Linear Assets</td>
</tr>
<tr>
<td>Inventory Maintenance</td>
<td>Crash History</td>
<td>Route Network</td>
</tr>
<tr>
<td>Maintenance Feature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roadside Features</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOS Rating Scales</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Customer Input</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td></td>
<td><strong>78</strong></td>
<td><strong>83</strong></td>
</tr>
</tbody>
</table>

**Traffic Eng.**
- Pavement Markings: 8
- Traffic barriers: 5
- Signs: 6
- Crash History: 33
- **Total**: 52

**Program Planning**
- Point Assets: 20
- Code Tables: 8
- Linear Assets: 22
- Route Network: 33
- **Total**: 83
<table>
<thead>
<tr>
<th>Agency/Division</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeronautics Commission</td>
<td>26</td>
</tr>
<tr>
<td>Dept of Commerce DNR</td>
<td>6</td>
</tr>
<tr>
<td>Parkways</td>
<td>1</td>
</tr>
<tr>
<td>Port Authority</td>
<td>5</td>
</tr>
<tr>
<td>Public Transit</td>
<td>8</td>
</tr>
<tr>
<td>State Rail Authority</td>
<td>9</td>
</tr>
<tr>
<td><strong>TRAFFIC ENGINEERING</strong></td>
<td></td>
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<tr>
<td>ITS &amp; Communication</td>
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<tr>
<td>Lighting</td>
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<tr>
<td>Outdoor Advertising</td>
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<td>Roadway Features</td>
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<td>Salvage Yards</td>
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<td>Traffic Control</td>
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<tr>
<td><strong>MAINTENANCE</strong></td>
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</tr>
<tr>
<td>Access Permits</td>
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<tr>
<td>Condition Assess</td>
<td>7</td>
</tr>
<tr>
<td>Data Integration</td>
<td>3</td>
</tr>
<tr>
<td>Drainage</td>
<td>6</td>
</tr>
<tr>
<td>Inventory Maint</td>
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<tr>
<td>Maint History</td>
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<tr>
<td>Roadside Facilities</td>
<td>7</td>
</tr>
<tr>
<td>Roadside Features</td>
<td>9</td>
</tr>
</tbody>
</table>
Transportation Asset Inventory

- Flexible/extensible asset data repository to support managing all types of assets on the transportation network including:
  - Aeronautics
  - Highways
  - Ports
  - Rail
  - Public Transit
Transportation Asset Inventory

- Detailed asset inventory for select asset classes and types:
  - Location
  - Attributes specific to asset class and type
  - Construction history
  - Maintenance history
  - Crash history
  - Other events
| Section (name)                  | Section Class Code | Section Status   | Own PM       | Organizational Unit | Centerline Miles | Total Lane Miles | Inspection Date | Record History |
|--------------------------------|--------------------|------------------|--------------|--------------------|------------------|------------------|------------------|----------------|---------------|
| US012 47.05 - 49.06 (001910)   | NHS                | ROAD Active      | 6255 - District Two | 2.668             | No               |
| US095 255.66 - 258.21 (001540) | NHS                | ROAD Active      | 0250 - Wayne Coun | 2.548             | No               |
| SH021 50.54 - 52.22 (001240)   | SMA                | ROAD Active      | 6036 - Pendleton C | 1.665             | No               |
| US012 56.14 - 58.63 (001910)   | NHS                | ROAD Active      | 6255 - District Two | 2.483             | No               |
| US012 49.63 - 51.57 (001910)   | NHS                | ROAD Active      | 6255 - District Two | 1.742             | No               |
| SH022 62.55 - 65.15 (002470)   | STC                | ROAD Active      | GARbage - Tyler C | 5.566             | No               |
| SH021 47.7 - 48.92 (002140)    | SMA                | ROAD Active      | 6036 - Pendleton C | 1.215             | No               |
| SH055 57.18 - 62.27 (007995)   | NHS                | ROAD Active      | 1070 - District Ten I | 5.092             | No               |
| SH014 38.79 - 41.03 (001970)   | STC                | ROAD Active      | 6271 - L-84, Section | 2.231             | No               |
| US012 51.57 - 52.49 (001910)   | NHS                | ROAD Active      | 6255 - District Two | 0.921             | No               |
| US030 204.41 - 204.86 (002040) | SMA                | ROAD Active      | 0439 - Preston Coun | 0.280             | No               |
| US030 204.33 - 204.41 (002040) | SMA                | ROAD Active      | 0439 - Preston Coun | 0.080             | No               |
| SH015 184.7 - 186.62 (001330)  | FAI 4-Lane         | ROAD Active      | GARbage - Tyler C | 4.919             | No               |
| SH055 63.77 - 63.83 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 0.061             | No               |
| SH055 65.35 - 65.46 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 0.120             | No               |
| SH045 9.74 - 10.11 (002100)    | SMA                | ROAD Active      | 0399 - District Thre | 0.366             | No               |
| US012 00.22 - 00.28 (001910)   | NHS                | ROAD Active      | 6205 - District Two | 0.060             | No               |
| SH055 64.66 - 64.68 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 0.024             | No               |
| SH055 63.85 - 63.99 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 0.038             | No               |
| SH055 94.29 - 95.12 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 1.828             | No               |
| SH44 236.4 - 236.96 (001010)   | FAI 4-Lane         | ROAD Active      | 0439 - Deddridge C | 0.559             | No               |
| US095 252.41 - 252.8 (001540)  | NHS                | ROAD Active      | 0250 - Wayne Coun | 0.384             | No               |
| SH055 32.06 - 84.39 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 2.329             | No               |
| SH055 71.5 - 74.14 (001990)    | NHS                | ROAD Active      | 1070 - District Ten I | 2.640             | No               |
| SH055 62.27 - 63.27 (001990)   | NHS                | ROAD Active      | 1070 - District Ten I | 0.499             | No               |
| US095 527.35 - 532.17 (001540) | NHS                | ROAD Active      | 0103 - Boone Coun | 4.820             | No               |
| SH200 55.97 - 57.72 (001610)   | SMA                | ROAD Active      | 0108 - Clay County | 1.748             | No               |
Transportation Asset Inventory (TAI)

- Target levels of service for select asset classes/types
- Condition assessments:
  - Condition history
  - Management scorecards
- Customer input
- Pre-defined reports
- Ad-hoc queries
- GIS integration
- Data integration with existing management systems (Pavement, Bridge, Crash Reporting)
Transportation Operations Management

Major functions / business processes:
• Annual Planning
• Scheduling Work (Work Orders)
• Recording Work Performed
• Resource Management (Labor, Equip, Materials, Dollars)
• Citizen’s Request for Assistance
• Field Data Collection (Work Performed, Cond. Assessments, Trans. Asset Inventory, etc.)
TOM Objectives:

• To effectively plan and schedule Maintenance Activities
  – Annual $300 million investment
  – Statewide mileage 38,800 miles
• Maximizing the efficient use of work time, material, and equipment.
• Improve the quality of maintenance work by adopting best methods and procedures
Transportation Asset Inventory

Total TAI Requirements = 500

Phase B (Part 1) = ~50%

• Core functionality to support Maintenance Quality Assurance (MQA) pilot in three districts:
  – Districts 3, 4, and 8

• Select Traffic Engineering asset types

Phase E (Part 2) = ~50%

• All other in-scope asset types to be deployed as part of Phase E

• Interface with Enterprise LRS (Esri Roads and Highways)
Right-of-Way Acquisition

Major system functions:
• Project set-up
• Parcel set-up
• Title abstracts
• Appraisal
• Negotiation and acquisition
• Relocation
• Management reports
null
Utilities Relocation / Railroad Agreements

**Projects**

<table>
<thead>
<tr>
<th>Project ID</th>
<th>ROW Phase Cost (Est.)</th>
<th>Overall Project Cost (Est.)</th>
<th>Project Name</th>
<th>Alt.</th>
</tr>
</thead>
<tbody>
<tr>
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**Utility Company**

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**Utility inventory**

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<td>3 - New</td>
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Right-of-Way Functionality in Phase E

- Functions to be performed in Advantage are deferred until Phase E:
  - Procurement of consultants, appraisers, etc.
  - Right-of-Way related payment processing
ROW - Conversions and Interfaces

• Conversions:
  – Manual load of right-of-way data for active projects from paper files

• Interfaces:
  – WVDOT CADD through GIS to Advantage for parcel inventory data
  – Application integration between Agile RWUR and EMC ApplicationXTender
  – Integration between WVDOTs GIS and Agile RWUR
Utilities & Railroads Module

• Project Information
• Utility Companies & Railroads Involved
  – Agreement/Permit Information
  – Contact Information
  – Relocation Status
• Project Specific Documentation for each Company
Utilities & Railroads Module

### Project Details
- **Project No.:** WV-OASIS-01-001
- **ROW Federal Project No.:** 002-ROW-001
- **Org. Unit (District):** 0502 - District Five Right-of-Way
- **Project Name:** I-74 Corridor Expansion
- **Project Desc.:** Expansion of existing 4 lane to ROW Phase End Date: 12/31/2012
- **Eng. Resp. - Developer:** ROW Phase End Date (E)
- **Eng. Resp. - Consultant:** ROW Phase Approved

### Utility Information
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<th>Project ID</th>
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<th>Utility / RR Description</th>
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<th>Utility / RR Log Status</th>
<th>Assigned Co-Ordinator</th>
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</table>

### Utility Log Coordination
- **Utility / RR Index Element (E):**
- **Log Entry Name:**
- **Log Entry Description:**
- **Log Entry Send Date:** 04/03/2013
- **Comments:**
- **Attn:** KNALLI
- **User Update Date:** 04/03/2013
Utility & Railroads Module

• Personnel using this module
  – Central Office Utility Staff
  – District Utility Staff
  – Project Managers
  – Management
Utilities & Railroads Module

• New Payment System (2015)
  • Faster Payments
  • Easier Tracking

• Asset Inventory
  • Utility & Railroad Information associated with roads/mileposts
  • From relocation plans & permits
Safety Management

- Perform crash identification, analysis and countermeasure identification
- Manage highway safety program
- Prepare safety related information requests
- Perform resource allocation
- Support highway safety plan emphasis areas
Systematic Safety Management Process

Ch. 4 Network Screening

Ch. 9: Safety Effectiveness Evaluation

Ch. 8: Prioritize Projects

Ch. 7: Economic Appraisal

Ch. 6: Select Countermeasures

Ch. 5: Diagnosis
Safety Management Functions

• Network screening:

• Diagnostics:

• Project prioritization

• Safety grants management (Phase E)
Safety Management Functions

- Integrated safety database including:

<table>
<thead>
<tr>
<th>Function</th>
<th>Planned Phase</th>
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</thead>
<tbody>
<tr>
<td>Crash report</td>
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<td>Driver history</td>
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<td>Trauma registry</td>
<td>E</td>
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<tr>
<td>EMS run reports</td>
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Phase E interfaces subject to WVDOT receiving approval to utilize data for Safety Management
QUESTIONS?