KURTS 2.0
Mobilizing and Sharing Price, Conflict, and Inspection Data

Kentucky Utilities and Rail Tracking System

Presenter: Jennifer McCleve, P.E.
TRADITIONAL APPROACH:
design then move the utility facilities

NON-TRADITIONAL APPROACH:
designing with infrastructure in mind

* Course chosen impacts cost and schedule
Acknowledgement of data garnered from SHRP2 R15B Report

- List all utility conflicts
- Share data
- Alternative conflict resolution

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SHRP2
Kentucky Implementation

Acknowledgement of data garnered from SHRP2 R15B Report

Mobilization and Mapping
# Unit Price Database

Users can access data based upon their role

Records are organized by District

Records include specific fields:

<table>
<thead>
<tr>
<th>Product</th>
<th>Facility Type</th>
<th>Material</th>
<th>Detail</th>
<th>Unit</th>
<th>District</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>
Initiation
- Contact list
- Notices

Construction
- Invoices
- Change orders
- Inspections

Acknowledgement of data garnered from SHRP2 R15B Report
# Project: REMOVE AND REPLACE AC PAVEMENT ON US 45X FROM JUST W OF OTIS DINNING DR (MP 0.423) TO PAL RAIL CROSSING (MP 1.433) IN MCCracken COUNTY.

**Project ID:** 01-2040.00  
**Description:** REMOVE AND REPLACE AC PAVEMENT ON US 45X FROM JUST W OF OTIS DINNING DR (MP 0.423) TO PAL RAIL CROSSING (MP 1.433) IN MCCracken COUNTY.

**Route Info:** US 45X  
**BMP:** 0.4230  
**EMP:** 1.4330  
**County:** MCCracken  
**Letting Date:** 3/4/2015  
**Pre. L/G Date:** 3/12/2014  
**Authorization #:** 90169  
**RR:** N

**Type Of Work:** PAVEMENT REHAB-PRIP

**Utility Clearance:** Undetermined

### Agreement Home

<table>
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<tr>
<th>Utility</th>
<th>Document Type</th>
<th>Agreement #</th>
<th>Amount</th>
<th>Status</th>
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</thead>
<tbody>
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<td>KRS 177 Work In Highway Contract Agree</td>
<td>1600002802</td>
<td>$0.00</td>
<td>Executed</td>
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<tr>
<td>View</td>
<td>Disassociate with EMARS</td>
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<tr>
<td>View</td>
<td>Relocation Plan</td>
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</tbody>
</table>
Kentucky Utilities and Rail Tracking System (KURTS)
Division of Right of Way and Utilities - Utilities and Rail Branch

Welcome Weston Cline! [ Change Password ] Sign Out

Project Status | Planning | Initiation | Coordination | Agreements/Approvals | Construction | Closeout
---|---|---|---|---|---|---

**Project ID:** 01-2046.00  
**Description:** REMOVE AND REPLACE AC PAVEMENT ON US 45X FROM JUST W OF OTIS DUNNING DR (MP 0.423) TO PAL RAIL CROSSING (MP 1.433) IN MCCrackEN County. 2012BOP

**Route Info:** US 45X  
**BMP:** 0.4230  
**EMP:** 1.4330

**County:** MCCrackEN  
**Letting Dates:** 3/4/2015

**Right of Way Clearance:** Undetermined  
**Utility Clearance:** Undetermined

**Type Of Work:** PAVEMENT REHAB-PRI(P)

**Pre. L/G Dater:** 3/12/2014  
**Authorization #:** 90159  
**RR:** N

**Utility Company:** Paducah Water

**Document Type:** KRS 177 Work in Highway Contract Agree

**Document ID:** 1600002802

**Right of Way Clearance Date:** Not available

**Work Status:**

Please verify all items have been completed, if applicable. If not applicable, by checking the box you attest that you have reviewed the item.

**Is compensation due the cabinet?**

- No

- All work defined is complete
- Final invoice has been paid
- As-Builds have been acquired and are satisfactory
- All necessary auditing requests are complete

**District Utility Supervisor**

The District Utility Supervisor has not yet reviewed this agreement.

**Area Coordinator**

- I attest the agreement can be closed out

**Comments:**

No closeout correspondences have been sent for this agreement.

[Send 60 Day Letter] [Request Audit] [Return]
Utility Conflict Matrix

Development & Implementation

Using SHRP2 R15B

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Using SHRP2 Funding and Assistance Program The KYTC:

- In house developers created UCM, UPD, and field capabilities
- Identified Specific Users for UCM
- Provided viewership of conflicts and proposed resolutions
- Provided Utility conflict tracking from phase I design to closeout
- Completed development in August 2015

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Implementation

Using SHRP2 Funding and Assistance Program The KYTC:

• Training provided and hardware issued August 2015

• Additional training at each District Office Summer 2016

• Provided technology and hardware capable of utilizing the UCM

• Expect tangible savings in time and costs from 2016-2017 lettings

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What’s Next?

- Monitoring effectiveness on current pilot projects
- New projects are being tracked and managed through KURTS
- Identify ideal integration into road project process
- Provide information and support to other agencies
- Gather tangible savings through UCM resolutions (1-121.00 OH)

<table>
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<tr>
<th>Alt#</th>
<th>Util/KYTC</th>
<th>Direct Estimate</th>
<th>Indirect Estimate</th>
<th>Total Estimate</th>
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<td>Relocate before Construction</td>
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Questions?