



Endeavoring to Improve: New efforts focused on improving utility coordination

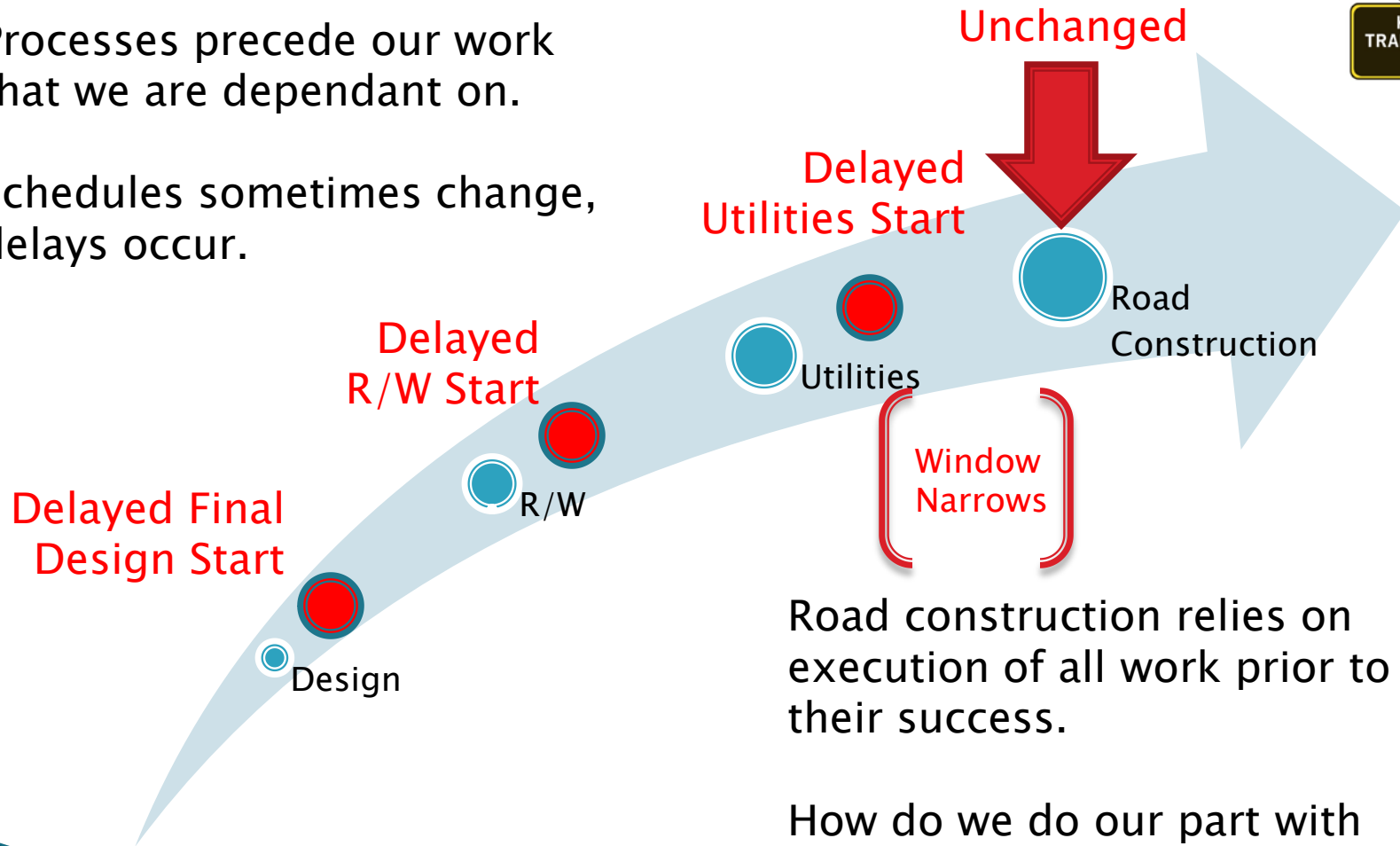
2012 Partnering Conference

UTILITIES IS CAUGHT IN THE MIDDLE



Processes precede our work that we are dependant on.

Schedules sometimes change, delays occur.



Road construction relies on execution of all work prior to ensure their success.

How do we do our part with constraints of budget, time, and resources?

IMPROVE UTILITY COORDINATION



GOALS:

EXPEDITE PROCESSES

SIMPLIFY

MINIMIZE PAPER

GET STAFF WORKING

TECHNICAL ISSUES

IMPROVE UTILITY COORDINATION



TERM UTILITY AGREEMENTS

UTILITY MANAGEMENT SYSTEM

FORM A SUPPORT SYSTEM

UTILITY COORDINATION
EFFORTS IN THE DESIGN PHASE

TERM UTILITY AGREEMENTS



GOAL:

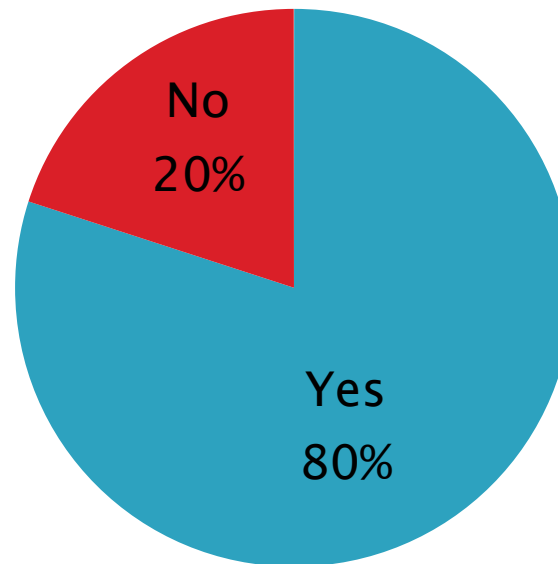
- ▶ Establish master (term) agreements with large, often relocated, utilities.
- ▶ Statewide
- ▶ 10 Year terms
- ▶ When impacts are found, the basic agreement terms pre-exist
- ▶ We negotiate only the cost and scope, via delivery order form

TERM UTILITY AGREEMENTS



- ▶ Several states operate with similar agreements in place, and successfully.

Master Agreement



Note:
5 states in our region of the US responded as indicated here.

TERM UTILITY AGREEMENTS



BENEFITS:

- ▶ Less legal review for the utility
- ▶ Saves time due to mailing documents back and forth
- ▶ Delivery orders would require one approval in emars to execute
- ▶ Start dates for agreements are a non-issue since the agreement is statewide and pre-existing

NEEDS:

- ▶ Need a full contact list in CO, so if you have not sent in a contact list, please do so.
- ▶ Contact your local utility reps to determine interest

TERM AGREEMENT USAGE



- Once project funding is available, the state letter would be sent by DO and the delivery order form would accompany it (shaded area filled out by DO)
- The utility could respond to the state letter with a completed delivery order form and backup documentation (estimate). The original should go to CO with a copy to DO.
- Upon review, if the DO finds it valid, they can recommend execution.
- CO would then review and sign docs.
- Then, CO would execute in emars. Upon CO division approval, the project specific delivery order is valid and can be used immediately.
- If the DO does not approve the delivery order, it can be held and negotiated.

Notes:

- ▶ Please keep in mind that the DO would not work with the term agreement, that would be done by CO.
- ▶ The DO would fill out the shaded area on the delivery order form and the utility would complete it.

TERM UTILITY AGREEMENTS



- ▶ Sent requests for interest to 26 Utilities
- ▶ 2 companies are executing agreements:
 - Duo County Telephone and Big Rivers Electric
- ▶ Base Agreement
- ▶ Delivery Order form

UTILITY MANAGEMENT SYSTEM



GOAL:

- ▶ Expedite
- ▶ Simplify
- ▶ Lessen the paper

RESOURCES:

- ▶ Application Development – RWUMS
- ▶ Emerging Technologies – Sharepoint
- ▶ Enterprise Data Branch – Reporting

UTILITY MANAGEMENT SYSTEM



PLAN:

- ▶ Develop a system to develop, implement, and track our utility relocation processes
- ▶ Make the system have accessibility to utility companies
- ▶ Allow for electronic submissions and approvals
- ▶ Minimize data entry, paper, and wait time

UTILITY MANAGEMENT SYSTEM



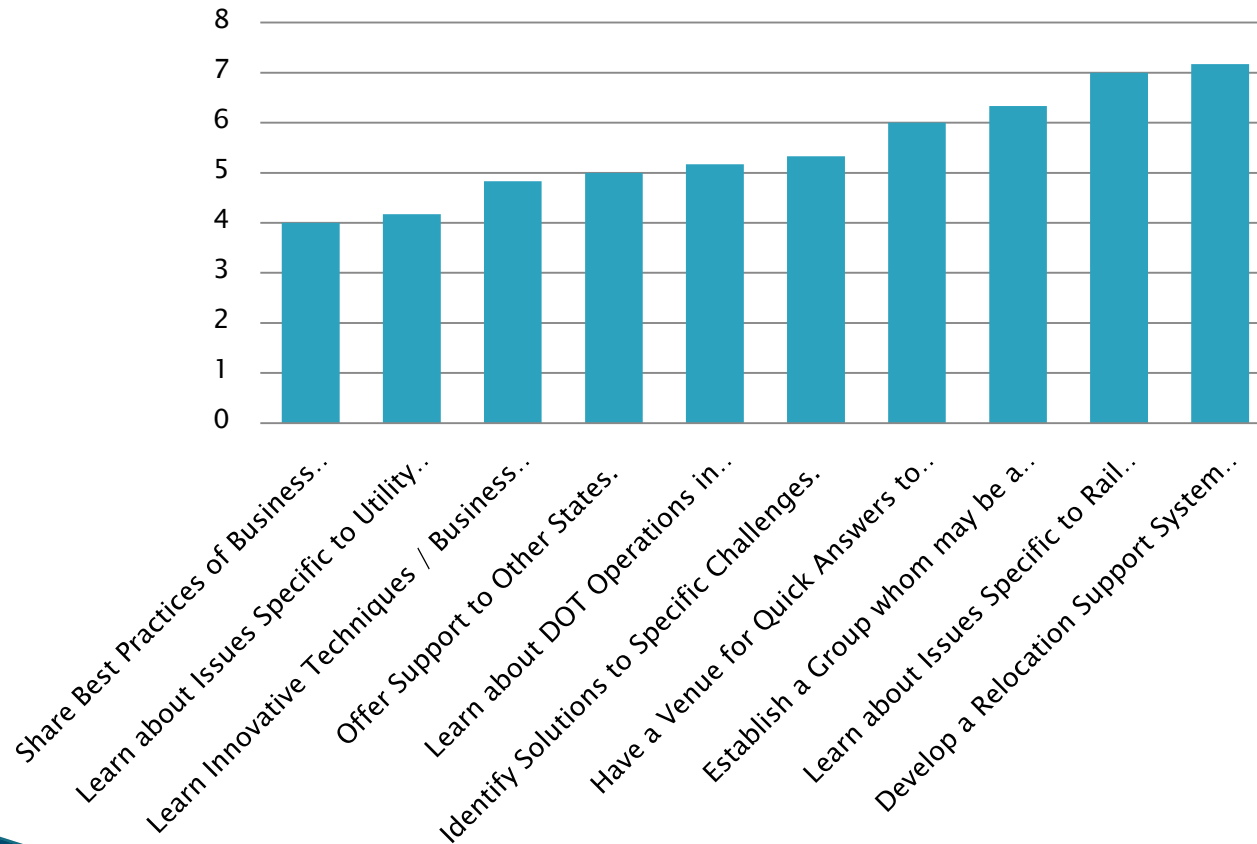
IMPLEMENTATION OF PLAN:

- ▶ No schedule is yet set
- ▶ The branches of IT are meeting with Utilities to formulate first stage program development
- ▶ First steps:
 - Project Utility Contact List
 - Funding Requests
 - Agreement writing

REGIONAL CONSORTIUM: October 24 & 25, 2012



Goals: Mission Statement



States invited:

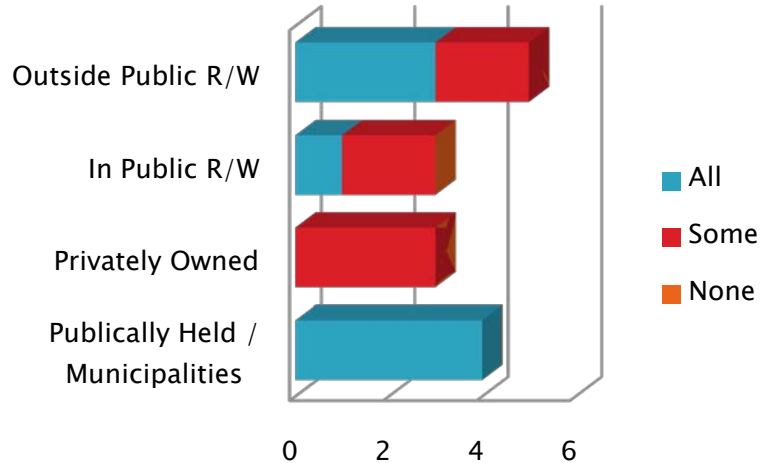
Indiana,
Ohio,
Illinois,
Kentucky,
Missouri,
Pennsylvania
W. Virginia,
Virginia,
Tennessee

REGIONAL CONSORTIUM

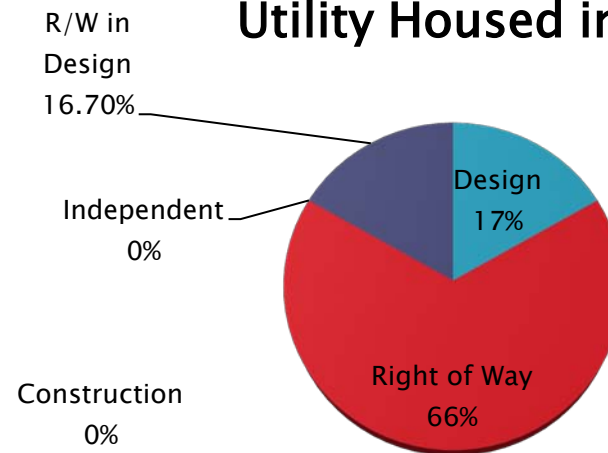
Early lessons learned.



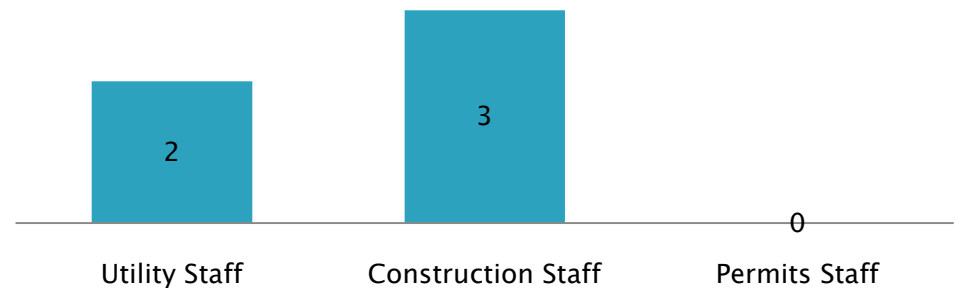
Reimbursement Law



Utility Housed in...



Regional / District Office Inspection

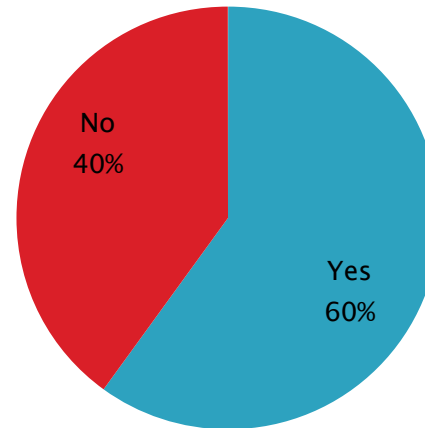


REGIONAL CONSORTIUM

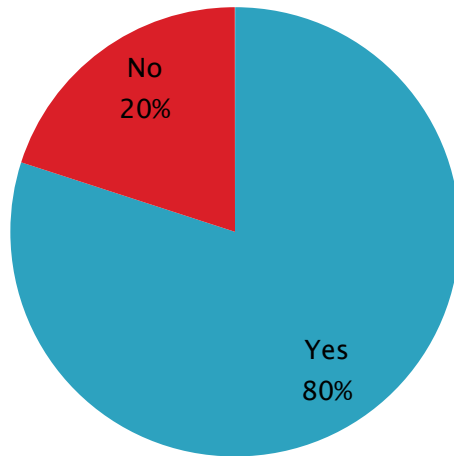
Early lessons learned.



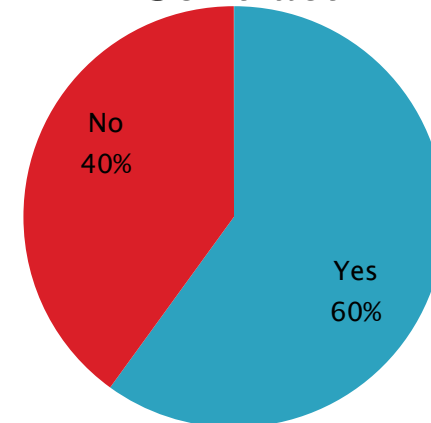
Consultant Usage



Issues with Petroleum Estimates



Working for more Utilities in Road Contract



KY 811 INVOLVEMENT

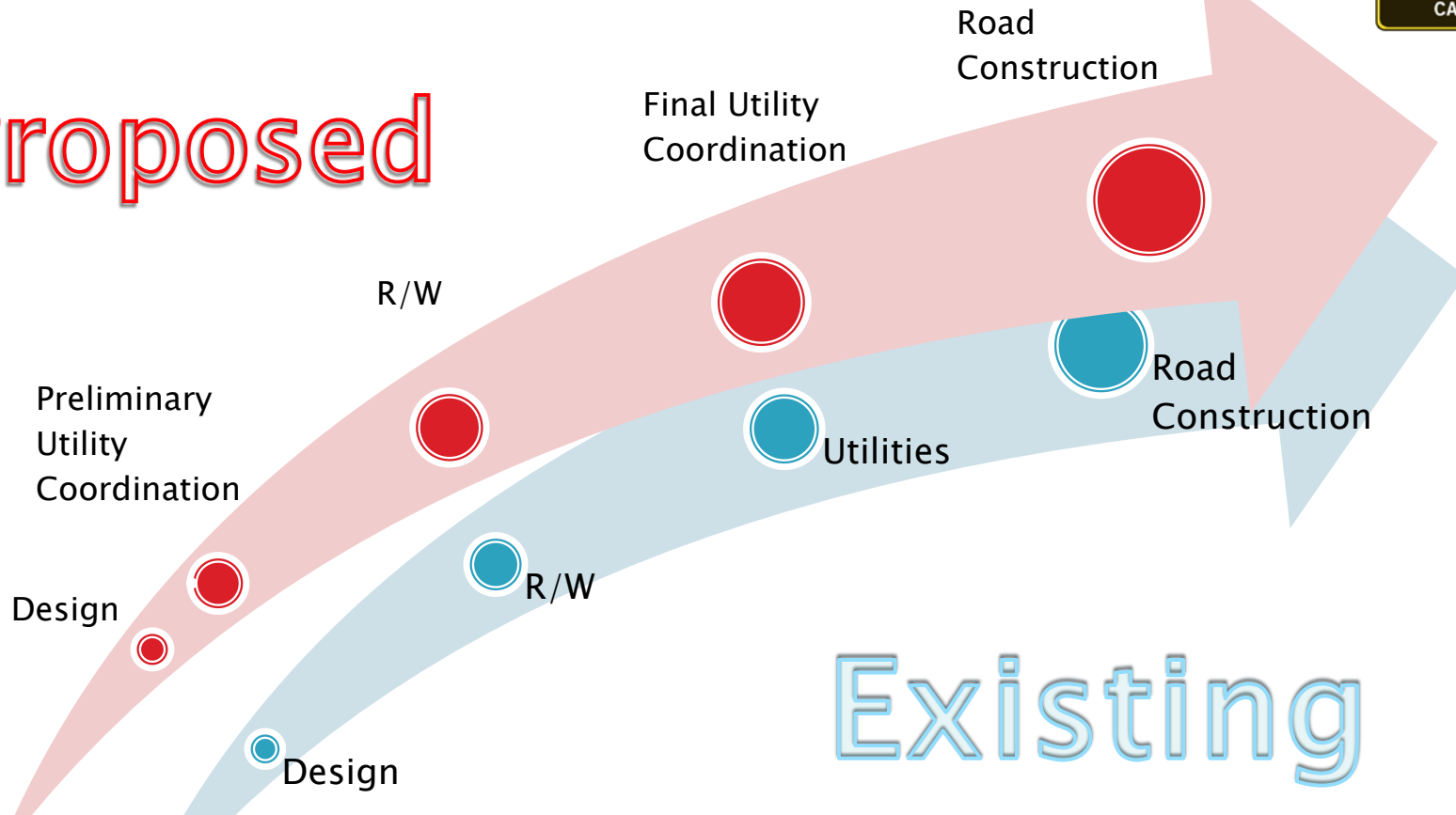


- ▶ KYTC is now a non-voting member of the KY 811 Board of Directors
- ▶ KY 811 is working with KYTC foster awareness of Kentucky law changes.
- ▶ KY 811 is making ready for a survey (design) ticket

UTILITY INVOLVEMENT IN DESIGN



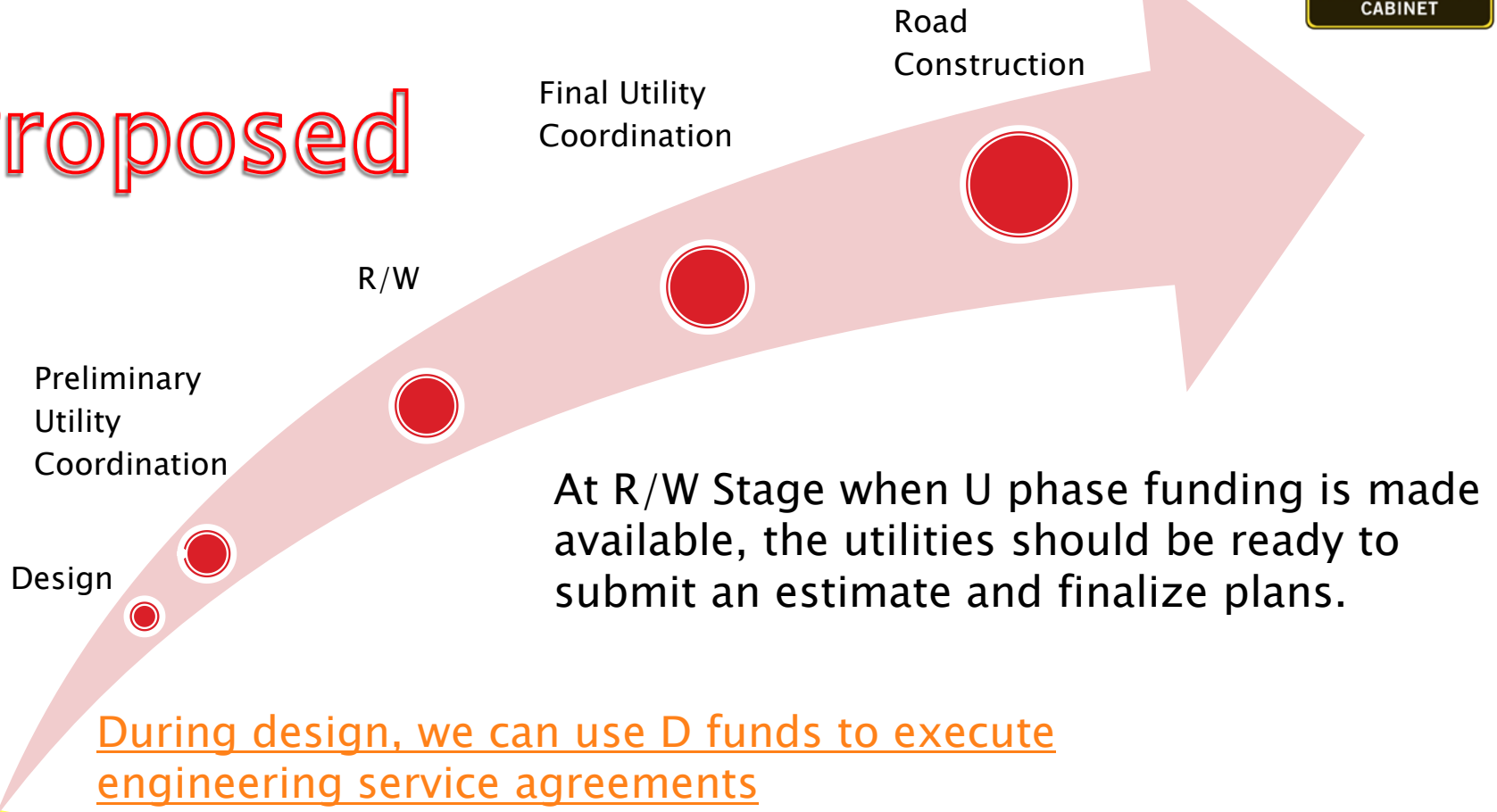
Proposed



UTILITY INVOLVEMENT IN DESIGN



Proposed



UTILITY INVOLVEMENT IN DESIGN



- ▶ Preliminary Utility Coordination activities:
 - Utility Company Identification
 - Impacted utility company contact list
 - Initial discussions to avoid and plan relocations
 - Develop preliminary relocation estimates
 - Develop preliminary relocation plans *(if D funds are available for eng service agreements)*

- ▶ Final Utility Coordination activities:
 - Finalize estimates
 - Develop final plans and agreements
 - Relocation construction

UTILITY INVOLVEMENT IN DESIGN: The consultant shall...



- ▶ **Research** potential utility company involvement within project scope
 - Consult KY 811
 - Consult local agencies
 - Consult District Utility Section
- ▶ **Gather inventory** of utility facility data
 - Conduct requests for mapping with potential utility companies and/or
 - Request KY 811 Survey ticket once available (July 2013)
- ▶ **Correspond** with potentially involved utility companies to confirm facilities exist within the project scope

UTILITY INVOLVEMENT IN DESIGN: The consultant shall...



- ▶ Develop a **utility contact list** and provide that list to PM and District Utility Section
- ▶ Offer and hold a **Joint Utility Meeting** at Preliminary Line and Grade to solicit utility impact potential (complex projects)
 - ID conflict possibilities
 - ID avoidance opportunities
 - Consider potential relocation placement
 - Consider R/W needs

UTILITY INVOLVEMENT IN DESIGN: The consultant shall...



- ▶ **Assess utility impacts** for alternates and factor cost into alignment selection
- ▶ Offer and hold a **second joint utility meeting** prior to Right of Way plan production
 - Revisit conflict and avoidance matters
 - Consider potential relocation placement
 - Consider R/W needs
 - Weigh relocations in regard to project schedule
 - Weigh relocations in regards to phasing plan
 - ID subsurface utility engineering stages gathered and needs
- ▶ **Provide** correspondence, contact list, & pertinent data to District Utility Section & PM for final utility coordination.

UTILITY INVOLVEMENT IN DESIGN: The consultant shall...



- ▶ Pilot Project: 5-8709.00 Bullitt Co
- ▶ Request for Proposal for Professional Services amended
- ▶ If successful, Design will consider implementation globally in KYTC projects.