



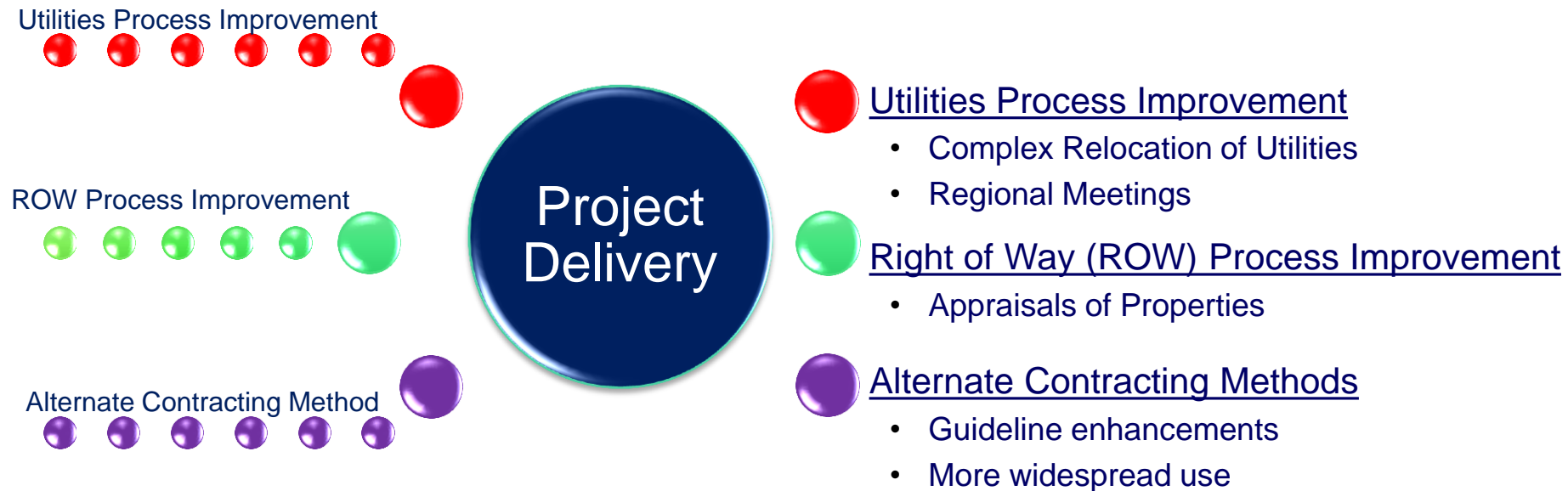
March 4, 2016

*Accelerating Project Delivery – ROW, Utilities
& Alternate Contract Method Update
JLTOC*

Mike Holder, PE, Chief Engineer







Accelerating Project Delivery





Process Improvement for Complex Relocations of Utilities




December 2015 - Present Status		Improvement Task	Results
✓	Complete	Initiated Project Charter and Plan	Problem Statement, Mission Statement, Stakeholders, Business Case Established timeline and key deliverables
✓	Complete	Data Collection	Utility projects, Right of Way projects, post-let construction projects
✓	Complete	Data Analysis	Frequency and duration of utility delay, type of utility, type of delay
✓	Complete	Process Analysis	Capture and analyze 'as is' process state (how it is currently done) for similarities and inconsistencies; highlight non-value added activities (what can be reduced, eliminated)
✓	Complete	Recommendations for Improvement	Developed preliminary recommendations and improvements

March 7-31, 2016 Status		Improvement Task	Results
	In Progress	Refine Process through Analysis	Identify redundancies, duplication, non-value added activities, time compression (concurrent vs. sequential activities)
	In Progress	Benchmark with other states	Examine best practices in other state Departments of Transportation
	In Progress	Root Cause Analysis	Determine chief causes for delays
	In Progress	Refine Recommendations	In collaboration with NCDOT Chief Engineer, Utilities Unit and Right of Way Unit, select and prioritize recommendations





Regional Utility Meetings

Status		Improvement Task	Results
	In Progress	Provide utility companies with more detailed plans (hydro and signal information) as early as possible.	Will help identify any potential conflicts earlier in the process which will help avoid delays.
	In Progress	Provide early partial payments (or reimbursement as work is being performed) vs. a final payment once all work is completed. This could be a % of the engineer's estimate or prepayment for material cost.	Encourages utility companies to get started earlier with design and relocation process.
	In Progress	NCDOT to let clearing contracts in advance of the construction project.	Accommodates utility relocation.

Meeting Schedule:


- Eastern – February 18, 2016 at Fayetteville Public Works Commission Headquarters
- Central – March 29, 2016 at Alamance County Community College
- Western – April 20, 2016 at Catawba Valley Community College





Process Improvement for Appraisals of Property for Construction Projects

December 2015 - Present Status		Improvement Task	Results
✓	Complete	Developed Project Charter and Project Plan	Problem Statement, Mission Statement, Stakeholders, Business Case Established timeline and key deliverables
✓	Complete	Benchmark with other states	Resourced Transportation Lean Forum to ask if any state DOT has worked on a similar LSS project to improve the Appraisals process
✓	Complete	Researched Right of Way Management System (ROWMS)	Partnered with ROWMS project team to identify future needs
✓	Complete	Data Collection	SAP, Area Appraisal Offices, State Appraisal Office, and Division Negotiation Offices
✓	Complete	Data Analysis	Quantity, Cycle Time, Cost, Condemnation Statistics
✓	Complete	Process Analysis Root Cause	Capture and analyze 'as is' process state (how it is currently done) for similarities and inconsistencies; highlight non-value added activities (what can be reduced, eliminated)
✓	Complete	Recommendations for Improvement	Developed preliminary recommendations and improvements


March 7-31, 2016 Status		Improvement Task	Results
	In Progress	Refine Process through Analysis	Identify redundancies, duplication, non-value added activities, time compression (concurrent vs. sequential activities)





Alternate Contracting Methods

Status		Improvement Task	Results
✓	Complete	Revised guidelines for use of A + B (cost + time bidding) and incentives/disincentives	Less restrictive criteria allowing for lower level decision making for utilization resulting in more widespread use.
✓	Complete	Revised guidelines for use of floating start dates	Allows flexibility for contractors to best utilize their resources.

Status		Improvement Task	Results
	In Progress	Using guidelines on central let projects for 3 months.	Gauge % of projects utilized on. Finalize guidelines and distribute statewide in June for use on both Central and Division Let projects.



Questions?

