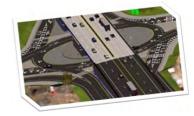


E-Construction in Illinois





Illinois Asphalt Pavement Association e-Construction Webinar March 26, 2020 Justan Mann P.E., S.E.

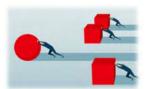
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1



Why E-Construction?

- Create
- Collect
- Store
- Disseminate
- Utilize





2



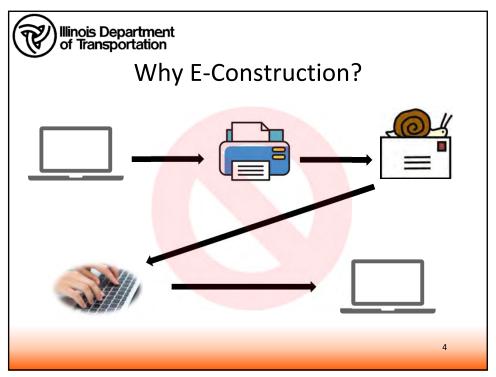
Why E-Construction?

- Reduce dependence on paper processes
- Expedite communication/collaboration
- Enable efficient retrieval and use of data





3





Why E-Construction?

- Keep electronic data electronic
- Capture data once use it by many
- Leverage data in decision making



5

5



Const. & Mat. Mgmt. Sys. (CMMS)

CMMS will Replace:

- Construction Records System (ICORS)
- Materials Record System (MISTIC)
- Contract Payment Management System (BCM)



CMMS – Web based contract administration solution

6



Existing Records Systems

- Construction Records System developed in 1991 (Microsoft Access platform on local computers)
- Materials Record System developed in the 1970's (hierarchal mainframe database developed using COBOL)
- Contract Payment Management System developed in 1992 (hierarchal mainframe database developed using COBOL)

7

7



Existing Contract Management

Heavy reliance on paper driven processes and re-entry of data into disconnected systems





Web-based Contract Management

- Facilitate paperless contract administration
- Enable electronic submission of construction documentation by stakeholders
- Enable electronic approvals and expedite decision making

9

9



Web-based Contract Management

- Provide secure digital management of construction data
- Allow distribution of construction data to all project stakeholders through internet connected devices



10



Const. & Mat. Mgmt. Sys. (CMMS)

- Issued a Request for proposals
- Selected ExeVision Inc.
- CMMS is being rolled out in a series stages





11

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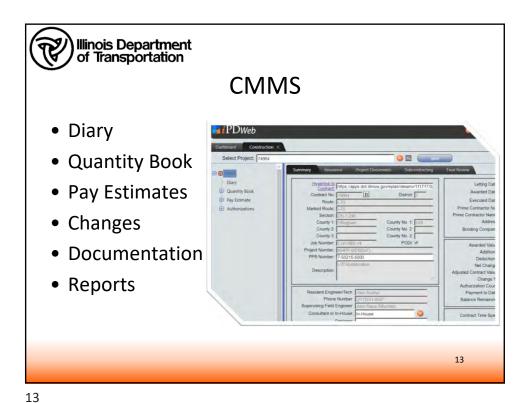


CMMS

- Began releasing epic 1 functionality in April 2019
- Currently using CMMS on ±500 contracts statewide
- Includes State let State and State let local agency contracts



12







CMMS

- Mat. Lab. Mgmt.
- Mat. Inspector Mgmt.
- Mat. HMA & PCC Plant Insp. Mgmt.





15

15



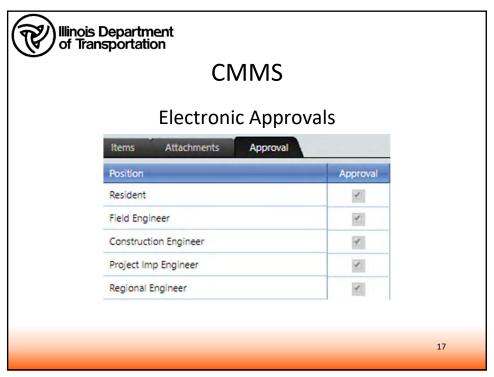
CMMS

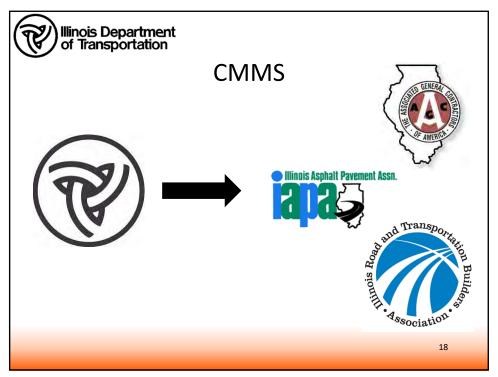
- Replace Contract Payment Mgmt. System
- Workflow Enhancements





16





ummary Insurance Project Documents Subcontracting	Final Review
	Final Review
Bisperiink to Contract No Flooring D District 4	Letting Date: 03/09/2018 Hem Number: \$9 Awarded Date: 3/29/2018 Executed Date: 4/2/2018 Executed Date
County 3: County No. 3: Job Number: CB400000 PODE V Project Number: PRJFOR.00059 PPS Number: Description: Downhown Description: CBC Resident Phone Number: CBC Resident	Awarded Value: \$4.044.715.36 Additions: \$397.431.94 Traines:
Supervising Field Engineer: CBC SFE Consultant or In-House: Designer:	Contract Time Specification: Completion Date Contract Working Days: Working Days Used
Prog Schedule Recv Date Prog Schedule Appr Date Preconstruction Minutes Date Notice of Intent Required. Notice of Intent Required. Notice of Termination Submitted Date Notice of Termination Accepted Date	Contract Calendar Days: Contract Completion Date via Contract Completion Date via Contract Completion Date via Contract Start Date: Contract Start Date: Contract Suspended Date: Contract Suspended Date: Contract Resumed Date: 050202019 Contract Resumed Date: 05020
RR Insurance Required:	Diary Resumed Date % Complete Based on Time 13 00% % Complet

