

e-Construction Innovation Matrix by Product

NOTE: Information in this table was obtained from publicly available sources (e.g. internet search and presentations). Information was last updated 4/30/2022. Any corrections or updates may be sent to Kathryn.Weisner@dot.gov

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Product or Practice	Bid History Analysis	Bid Letting Management and Estimates	Bid Preparation and Analysis	Collaboration Portal	Construction Management System	Digital Signatures	Document Management System	Electronic As-Builts (GPS/GIS/PDF red-lining)	Electronic Bidding and Bid Bonds	e-Ticketing	Lab Inventory and Materials Management System	Mobile Devices for Inspection	Partnering	Project Management System	Project References (e.g. plans; standards; manuals)	Quantity Measurements (real-time verification)	Fleet Management	Queries and Reports	Virtual Meetings	Auto-Material Tracking (RFID/Bar-Coding)	Comments	
Agile Assets	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	KS; PA; TN	NPA	NPA	NPA	NPA	None
AASHTO BAMS/DSS	AL; AK; AR; CA; CO; CT; DE; FL; GA; IA; ID; KS; KY; LA; ME; MD; MI; MN; MS; NE; NJ; NM; NY; NC; OH; OR; SC; TN; TX; VA; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO individual software module used to analyze long-term bidding patterns. It is offered either as a desktop platform or a multi-tier client/server architecture.
AASHTO CAS	NPA	NPA	NPA	NPA	MD	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Older AASHTO software used for contract administration.
AASHTO Mobile Inspector	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	ID; MN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
AASHTO Civil Rights and Labor Management System (CRLMS)	NPA	NPA	NPA	NPA	AK; CA; KY; LA; MN; MS; MT; NJ; NC; OH; TN; VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Web-based application used to receive and process information for meeting federal and state requirements for civil rights and labor compliance. Because this is a contract administration task, it is included on the list of construction management systems.
AASHTO Construction and Materials	NPA	NPA	NPA	NPA	KS; MO; MT; SC; NM; WI	NPA	NPA	NPA	NPA	NPA	KS; MN; MT; SC	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	the functionality of multiple individual modules including: CAS, SiteManager, SiteXchange, FieldManager, and FieldNet. Many of the states currently using any of these individual projects are evaluating the entire suite as it is a web-based
AASHTOWare Project Data Analytics	KS, MO, OK, MT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
AASHTO PES/LAS	NPA	DE; IN; IA; NM; NY; OK; OR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module used for bid preparation and bid letting management and award. AASHTO Preconstruction is replacing this product with enhanced functionality.
AASHTO Project Bids	NPA	AR	AK; AR; CO; FL; GA; ID; KS; KY; LA; MD; MI; MN; MO; MS; MT; NE; NJ; NY; ND; OH; OK; OR; SC; WI	NPA	NPA	NPA	NPA	NPA	IN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module used to prepare bid proposals, and allow bidders to download the bid line item to enter their bids electronically in a secure manner. The owner then uses the software to analyze the bids submitted by the bidders. Project Bids is an improved product that will replace the popular Expedite software.
AASHTO Project Cost Estimation	NPA	AR; DE; GA; IN; LA; MN; OH	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module used to prepare project planning and engineer's estimates.
AASHTO Project Estimation	NPA	MT; NJ	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO Project Estimation is a comprehensive web-based solution that combines the functionality of Project Cost Estimation, Estimator and TRACER.
AASHTO Project Estimator	NPA	AL; CT; ID; IN; KY; ME; MD; MN; MS; MO; NM; NY; OH; OR; SC; TX; VT; VA; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software offered as a stand-alone program for cost estimation.
AASHTO Project Expedite	NPA	NPA	AL; AZ; CA; CT; DE; IN; IA; ME; MA; MS; NM; NC; PA; SC; TN; VT; VA; WA; Washington D.C.	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Software has been around for years and it is used to prepare bid proposals, and allow bidders to download the bid line item to enter their bids electronically in a secure manner. The owner then uses the software to analyze the bids submitted by the bidders.
AASHTO Project FieldManager	NPA	NPA	NPA	NPA	IA; ME; MI; NV; VT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module used for construction management. Module integrates with the AASHTO software modules: FieldBook, and FieldNet. This suite is no longer available as a new license.
AASHTO Project FieldNet	NPA	NPA	NPA	NPA	MI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module used to interface between the field and the office using the FieldManager suite.
AASHTO Project Preconstruction	NPA	AL; AK; AR; CO; CT; FL; GA; ID; IN; KS; KY; LA; MD; MI; MN; MS; MO; MT; NE; NJ; NC; OH; OK; SC; TN; VA; WV; WI	AR; KS	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This software is used to enable cost information tracking and management. This module combines the features from older separate programs such as PES/LAS.
AASHTO Project SiteManager	NPA	NPA	NPA	NPA	AK; AR; CO; CT; FL; GA; ID; IN; KY; LA; MN; MS; NE; NJ; NM; NY; OH; SC; TN; TX; VT; VA	NPA	NPA	NPA	NPA	NPA	CO; NJ; OK; VT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software comprehensive module used for construction management. It can be used by construction and materials staff to enter and access information. This module is being replaced by the Construction and Materials web-based solution and no longer available to new licensees.
AASHTO Project SiteXchange	NPA	NPA	NPA	NPA	IA; KY; NE; OH; TN; IN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module used to allow contractors to enter subcontractor information directly into the system upon contract award.
AASHTO Project TRACER	NPA	OR; WY	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AASHTO software module called the Transportation Cost Estimator is used for parametric cost estimation during the planning process.
AASHTO SYNC Service	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This service is offered by AASHTO to sync third party mobile applications to many of their construction management systems, such as SiteManager and FieldManager. It is often used with Mobile Inspector or Headlight.

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Product or Practice	Bid History Analysis	Bid Letting Management and Estimates	Bid Preparation and Analysis	Collaboration Portal	Construction Management System	Digital Signatures	Document Management System	Electronic As-Builts (GPS/GIS/PDF red-lining)	Electronic Bidding and Bid Bonds	e-Ticketing	Lab Inventory and Materials Management System	Mobile Devices for Inspection	Partnering	Project Management System	Project References (e.g. plans; standards; manuals)	Quantity Measurements (real-time verification)	Fleet Management	Queries and Reports	Virtual Meetings	Auto-Material Tracking (RFID/Bar-Coding)	Comments			
Adobe Connect	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	LA	NPA	This is a web conferencing software service that offers functionality for online meeting for real-time collaboration, virtual classrooms, or large scale webinars.		
Adobe pdf	NPA	NPA	NPA	NPA	NPA	NPA	NPA	WY; SC	NPA	NPA	NPA	NPA	NPA	NPA	IN	NPA	NPA	WA	NPA	NPA	NPA	None		
Adobe Digital Signatures	NPA	NPA	NPA	NPA	NPA	CO; HI; IN; MO; NM; OK; SC; SD; VA; WA; WV; WY	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	e-Signature service using Adobe digital IDs.	
AgilePoint	NPA	NPA	NPA	NPA	NPA	NPA	KY	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None		
Aurigo Masterworks	NPA	NPA	NPA	NPA	UT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a comprehensive construction management system offered as a cloud-based service and has multiple modules that provide specific functionality for program management, contract administration, daily inspector reports, etc.	
Aurigo Masterworks Mobile Inspection App	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is the companion mobile application to enter daily inspector reports via the cloud-based system from the field using a mobile device.	
Autodesk BIM 360	NPA	NPA	NPA	NM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None		
Autodesk BIM 360 Docs	NPA	NPA	NPA	WI	NPA	NPA	NM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a cloud-based solution for project document management that integrated with other Autodesk BIM 360 modules.	
Autodesk BIM 360 Field	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	FL; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a cloud-based solution for daily inspector reports for mobile devices.	
Autodesk BIM 360 Glue	NPA	NPA	NPA	WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a cloud-based solution for real-time project collaboration to review 3D models and plan sheets. Comments from all the reviewers are aggregated and tracked.	
Autodesk Build (EPI)	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Bar Codes/RFID	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IN; NC	NPA	Radio frequency identification (RFID) is used to passively track materials or items while bar codes are used to scan information into a centralized system.	
Bentley OpenRoads Navigator	NPA	NPA	NPA	UT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a cloud-based solution for real-time project collaboration to review 3D models and plan sheets.	
BidExpress	NPA	IN	IN	NPA	NPA	NPA	NPA	NPA	AL; AK; AZ; AR; CA; CO; CT; DE; FL; GA; ID; IN; IA; KS; KY; LA; MD; ME; MA; MI; MN; MS; MO; MT; NC; NE; NJ; NY; NM; ND; OH; OK; OR; PA; SC; TN; TX; UT; VT; VA; WA; WI;	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Electronic bidding service to manage bid solicitation and online bidding. The software provider serves as the digital certificate authority and may offer bid bond verification services through agreements with surety companies.	
BidX	NPA	ND	NPA	NPA	NPA	NPA	NPA	NPA	KS	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
BIM360	NPA	NPA	NPA	MT	NPA	NPA	NM; MT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Bluebeam Revu	NPA	NPA	NPA	CT; FL; ID; KS; LA; ME; MI; OH; SD; VA; WV; WI; WY	NPA	NH; VA	SC	CO; CT; GA; KS; MO; SC	NPA	NPA	NPA	MI	NPA	NPA	NPA	NH	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Cloud-based solution for real-time project collaboration to review 2 or 3D PDFs. Comments are logged and tracked. Software is also a full PDF editor, and is often used for marking up plans for collaboration or for as-built records.
CADAC	NPA	NPA	NPA	NPA	NPA	NPA	VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Citrix	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AZ; FL; KY; MN; MO; TX; VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Remote desktop software used to access either desktop or server clients from a mobile device or computer outside of the network firewall.	
Collector for ArcGIS/Survey 123	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AL; IA; MN; OH; PA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	GIS mobile application used to collect and update geospatial information in the field. It works either online or offline. It is available for iOS, Android, and Windows operating systems.	
CoSign	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Digital signature services.	
Cognos Connex Command Alkon	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Custom Application/Custom Program	PR	PR	PA; PR	AZ; MD; PA	AL; AZ; MA; PR; MD; PA; SD; WV; ND	NPA	AL; AK; AZ; GA; MA; ME; MN; PA; SD; WV	MT	PA; SD; WV	PA	AL; AZ; AR; IA; MD; PA; SD; WV	OH; PA	NPA	GA; LA; NJ; OK; MI; KS	IA; MD; MN; PA	PA	CT; NH	HI; CA; MA; VA; IN; WV	NPA	NPA	NPA	NPA	Most common custom applications are for electronic document, and for construction and material management systems. Kansas uses winCPMS for project management.	

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Crystal Reports	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	ME; KS	NPA	NPA	None	
Document Vault	NPA	NPA	NPA	NPA	NPA	NPA	OK	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
DocuSign	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Cloud-based solution to manage documents and offers the functionality to use digital signatures on the documents stored within the system.
DocuSign	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Digital signature services.
DOTslip	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
e-Builder	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a comprehensive construction management system offered as a cloud-based service and has multiple modules that provide specific functionality for program management, contract administration, daily inspector reports, etc. Services also includes electronic bidding.
ePersona	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Digital signature services.
EquipmentWatch	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Software solution that provides data for construction equipment, in specific costs, values/prices, year verification, rental rates and more. Software was previously known as Rental Rate Blue Book.
ExeVision	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a comprehensive construction management system offered as a cloud-based service and has multiple modules that provide specific functionality for program management, contract administration, daily inspector reports, etc. Service also includes electronic bidding.
ExeVision IPB Web	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
ExeVision IPD	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
iPD Web	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
FaceTime	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Video chatting app available through iOS.
Falcon DMS	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Document management system. This software is highly customizable and it can integrate with other document management systems such as SharePoint and ProjectWise, and GIS. The system can be also customized to serve as project reference websites.
FileNet	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
FileDirector	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
Field Interviewer	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	No comments
Fleetwatcher	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Software that uses wireless telematics and GPS technology to manage trucking operations and materials delivery.
FTP	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
GIS	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
Google Drive Manuals	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
Google Meets	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
GotoMeeting	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
GPS Outline	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Mobile application that uses GPS technology to locate geospatial positions.
GPS Rovers	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	High precision surveying GPS equipment used for collecting data points and features used to measure quantities and verify location of as-built conditions.

Product or Practice	Bid History Analysis	Bid Letting Management and Estimates	Bid Preparation and Analysis	Collaboration Portal	Construction Management System	Digital Signatures	Document Management System	Electronic As-Builts (GPS/GIS/PDF red-lining)	Electronic Bidding and Bid Bonds	e-Ticketing	Lab Inventory and Materials Management System	Mobile Devices for Inspection	Partnering	Project Management System	Project References (e.g. plans; standards; manuals)	Quantity Measurements (real-time verification)	Fleet Management	Queries and Reports	Virtual Meetings	Auto-Material Tracking (RFID/Bar-Coding)	Comments	
GPS Collection	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	WY	NPA	NPA	NPA	NPA	None	
GNSS rovers	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	VT	NPA	NPA	NPA	NPA	None	
HANDS	NPA	HI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
Headlight	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	CA; LA; MN; TX; VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Mobile application specifically designed for daily inspector reporting. It uses open data protocols so that it can tie to any non-proprietary database. It is compatible with SiteManager and Oracle databases.
Haulhub	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	DE; IN; KS; OK; NH; PA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
Hummingbird	NPA	NPA	NPA	NPA	NPA	NPA	FL	NPA	NPA	NPA	NPA	NPA	NPA	NPA	FL	NPA	NPA	NPA	NPA	NPA	NPA	Document management system. This software is highly customizable and it can integrate with other document management systems such as SharePoint and ProjectWise, and GIS. The system can be also customized to serve as project reference websites.
iCX	NPA	NPA	WY	NPA	WY	NPA	NPA	NPA	NH; WY	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
iCX Web	NPA	NPA	NH	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
iPD Web	NH	NH	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NH	NPA	NPA	NH	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
IdenTrust	NPA	NPA	NPA	NPA	NPA	FL; LA; VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Digital signature services.
InEight Model Suite	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	This is a cloud-based solution for real-time project collaboration to review 3D models and plan sheets. The mobile application can be used to review plans and 3D models in the field, or to connect the model elements to project management systems that have schedules and cost information (e.g. Oracle P6).
Interchange	NPA	NPA	NPA	UT	NPA	NPA	UT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Document management system that integrates with SharePoint for enhanced capabilities.
iPads	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AL; CA; DE; FL; IA; IN; ME; MI; MN; NM; ND; OR; PA; TX; UT; VA; WV; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Mobile device
iPhones	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	SD; WV	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
iStrada	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	e-ticketing solution for concrete delivery management.
Jasper	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	TN	NPA	NPA	NPA	None
Libra System	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NH; PA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	TN	NPA	NPA	NPA	None
Lidar	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	UT	NPA	NPA	NPA	NPA	NPA	None
Microsoft Office	NPA	NPA	NPA	NM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	UT	NPA	NPA	NPA	NPA	NPA	None
Microsoft Project	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	HI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Project management system used to track schedules and resources.
Microsoft Teams	NPA	NPA	NPA	IN; MS; OK	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
Mobile Inspector	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	CT; KS; KY; LA; ME; MI; MN; MO; NV; NY; TX; VT; WI	NPA	NPA	NPA	MT	NPA	NPA	NPA	NPA	NPA	Mobile application specifically designed for daily inspector reporting. It uses open data protocols so that it can tie to any non-proprietary database. It is compatible with SiteManager and Oracle databases.
Mobile Tester	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	KS	NPA	NPA	NPA	MT	NPA	NPA	NPA	NPA	NPA	None
Power BI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	PR; AZ; ID; KS; ME	NPA	NPA	NPA	None
Oman Systems (BidTabs)	IN, WY	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None
OnBase	NPA	NPA	NPA	NPA	NPA	NPA	CO; KS; NE; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Cloud-based content and document management solution.
Oracle P6	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AL; DE; MA; MN; OH; TX; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Project scheduling software.
Oracle Unifier	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	PR	NPA	NPA	NPA	NPA	PR	PR	NPA	NPA	WV	NPA	NPA	NPA	None
Oracle Unifier PMIS	NPA	NPA	NPA	NPA	RI	NPA	PR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None

Product or Practice	Bid History Analysis	Bid Letting Management and Estimates	Bid Preparation and Analysis	Collaboration Portal	Construction Management System	Digital Signatures	Document Management System	Electronic As-Builts (GPS/GIS/PDF red-lining)	Electronic Bidding and Bid Bonds	e-Ticketing	Lab Inventory and Materials Management System	Mobile Devices for Inspection	Partnering	Project Management System	Project References (e.g. plans; standards; manuals)	Quantity Measurements (real-time verification)	Fleet Management	Queries and Reports	Virtual Meetings	Auto-Material Tracking (RFID/Bar-Coding)	Comments		
Oracle BI Publisher	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AZ	NPA	NPA	None		
Pacer	ND	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Partnering - ACM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AK; AZ; CA; CO; DE; FL; GA; ID; ME; MD; MI; MN; MS; MO; MT; NJ; NY; NC; OH; OR; PA; SC; TN; TX; UT; VT; VA; WV; WA; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Modern partnering practice used in transportation projects to manage risk and accelerate timelines.		
Partnering - CPP	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AK; AZ; CA; CO; DE; FL; GA; ID; IN; IA; MA; MN; OH; PA; SC; TX; VT; VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Modern partnering practices in which the owner and the contractor come to an agreement for mutual benefits during contract construction negotiations and throughout the life of the project. More modern practices involved risk-based and programmatic solutions.		
PDF Expert	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IA	NPA	NPA	NPA	MI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	PDF editing app for iOS.	
PDF red-lining	NPA	NPA	NPA	NPA	NPA	NPA	NPA	DE; IN; NH	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
PlanGrid	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	CA; RI; TN; VA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Cloud-based solution designed for field construction productivity. It can be used as a construction management solution or simply as a daily inspector reporting and project reference tool. Consultants in CA use PlanGrid on alternative delivery projects. VA is evaluating the use of PlanGrid.	
PCMS	NPA	NPA	NPA	NPA	NPA	NPA	MT	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
PMIS	NPA	NPA	PR	PR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
PMWeb	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	CO	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Primavera	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	SD; WV; WY	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
ProjectSolve	NPA	NPA	NPA	FL	NPA	NPA	FL	NPA	NPA	NPA	NPA	NPA	NPA	NPA	FL	NPA	NPA	NPA	NPA	NPA	NPA	Cloud-based project collaboration portal that serves as a document management solution during the life of a project.	
ProjectWise	NPA	NPA	NPA	CO; GA; KY;	NPA	NPA	CO; CT; DE; GA; ID; IN; IA; KY; LA; MA; MD; MI; MN; MS; MO; NE; NV; NJ; NY;	NPA	NPA	NPA	NPA	MI	NPA	NPA	GA; ID; MI; OK	NPA	NPA	NPA	NPA	NPA	NPA	Document management system specifically designed for engineering drawings.	
P6	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
QwestCDN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	WY	NPA	NPA	NPA	NPA	NPA	NPA	None	
QR code	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	ID	None	
RFID	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	WI	None	
Right Signature	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Digital signature services.	
SmartPM	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
SharePoint	NPA	NPA	NPA	CO; DE; LA; MN; MO; NC; OH; PR; SD; WA; WI; WV	NPA	NPA	LA; MN; MO; NH; NC; OH; SC; VA; WA; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	MO	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Cloud-based project collaboration portal that serves as a document management solution during the life of a project.
SpectraQUEST	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	PR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
SPMS	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	

Product or Practice	Bid History Analysis	Bid Letting Management and Estimates	Bid Preparation and Analysis	Collaboration Portal	Construction Management System	Digital Signatures	Document Management System	Electronic As-Builts (GPS/GIS/PDF red-lining)	Electronic Bidding and Bid Bonds	e-Ticketing	Lab Inventory and Materials Management System	Mobile Devices for Inspection	Partnering	Project Management System	Project References (e.g. plans; standards; manuals)	Quantity Measurements (real-time verification)	Fleet Management	Queries and Reports	Virtual Meetings	Auto-Material Tracking (RFID/Bar-Coding)	Comments	
SQI/PLSQL	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	ME;TN	NPA	NPA	None	
SurePath	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AZ; AR; CA; CO; FL; GA; ID; IL; IA; KA; KY; LA; ME; MD; MA; SD ;WV	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Electronic bid bond verification service.	
Surety 2000	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	CA; IN; SD; WV	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Electronic bid bond verification service.	
Surety Wave	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Tableau	IN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IA	NPA	NPA	None	
Thoughtspot	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	IA	NPA	NPA	None	
Topaz Tablets	NPA	NPA	NPA	NPA	NPA	MN	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
TRACER	NPA	OR	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Trimble Business Center	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	ND	NPA	NPA	NPA	NPA	NPA	None	
Unifier	NPA	NPA	NPA	WA	DE; Washington DC	NPA	DE;WA	NPA	NPA	NPA	NPA	WA	NPA	WA	NPA	NPA	NPA	NPA	NPA	NPA	None	
Unmanned Aircraft Systems	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AL; UT	NPA	NPA	NPA	NPA	NPA	NPA	AL; MN; OR; UT	NPA	NPA	NPA	NPA	controlled from a ground-based pilot that uses a communication system between the base and the aircraft. It is used for collecting digital images, which are then post-processed using low photogrammetry algorithms to produce a 3D surface and other 3D features. This information can be used for creating as-	
Webi	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	ME	NPA	NPA	None	
Webex	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	HI; AZ;ID; WV	NPA	None	
winCPMS	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	KS	NPA	NPA	NPA	NPA	NPA	NPA	None	
Windows Tablets	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AZ; AR; CT; GA; HI; KY; ME; MI; MO; NE; NJ; SC; WI	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	Mobile devices that run on the Windows operating system.	
Zoom	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	NPA	AZ; OH; TN; VT; WA; KS; WV; NH; PA	NPA	None
Legend																						
ACM	Alternative Contracting Methods																					
NPA	Information Not Publicly Available																					
EPI	Innovation Being Evaluated, Piloted, or Implemented, but no product was specified in the literature.																					
CPP	Construction Partnering Program																					