

➤ MATERIALS MANAGEMENT / LIMS

ExeVision's Materials Management Subsystem (MMS) is a comprehensive, web-based Laboratory Information Management System (LIMS) use by transportation agencies in the management and quality assurance of construction materials—tailored to the specific requirements and business processes of your individual transportation agency.

MMS delivers a robust Software-as-a-Service (SaaS) solution for construction materials sampling, testing, and management that's ready-to-go out of the box, yet versatile enough to be configured, and yes, even customized to the specific business processes of your individual agency.

Materials Management Functionality

- Sample Management
- Materials Definitions and Attributes
- Tester Certification & Qualifications
- Facilities Inspection
- Prequalified Materials
- Submaterials
- Inventory Management
- Mix Designs
- Equipment Tracking and Calibration

...and other key tasks associated with the management of materials.

Complex test creation and execution are provided and include:

- AASHTO/ASTM Testing
 - Agency Specific Test Creation
 - Lab Qualification
 - Testing Execution and Calculations
- ...and much more.

Ease of Use

- Day-to-day activities managed from a single location
- Flexibility to modify workflows, task timers, notifications, etc.
- Sort and view samples (contract, project, user, materials, etc.), based on user-defined filters

FHWA Federal Lands Division recently awarded the contract for their Materials Management solution to ExeVision through the public bidding process.

The decision was based on criteria that “represented the best value to the Government” including:

- Price
 - Available Test Methods
 - Past Performance
 - Future Integration Options
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Centralized Sample Management

IAS	Sample ID	Contract	Item	Material	Status	Sample Date	Quantity	Mix Type	Source	Plant	Shed Numl
	2526	10892 - MATERIALS & RESEAR	520.0102 - - CONCRETE CLASS AA	Concrete - Class AA_1		12/20/2019	0				
	2527	10892 - MATERIALS & RESEAR	520.01 - - CONCRETE CLASS AA	Concrete - Class AA_1		12/19/2019	10				
	2525	29696 - CHESTER	520.01 - Bridge - CONCRETE CLASS	Concrete - Class AA_1		12/12/2019	10		Manchester Redmix		
	2524	40776 - Gilford	520.01 - Bridge Maintenance - CON	Concrete - Class AA_1		12/19/2019	45		Carroll-Bristol		
	2523	10439 - ROXBURY - SULLIVAN	304.301 - 2 - Bridge Sullivan 094/06	Crushed Gravel_1		12/11/2019	0				
	2522	10439 - ROXBURY - SULLIVAN	520.0201 - 2 - Bridge Sullivan 094/0	Concrete - Class AA_1		12/12/2019	50		Carroll		
	2521	10439 - ROXBURY - SULLIVAN	520.0201 - 2 - Bridge Sullivan 094/0	Concrete - Class AA_1		12/12/2019	50		Carroll		
	2520	10439 - ROXBURY - SULLIVAN	520.0201 - 2 - Bridge Sullivan 094/0	Concrete - Class AA_1		12/12/2019	50		Carroll		
	2519	10439 - ROXBURY - SULLIVAN	520.0201 - 2 - Bridge Sullivan 094/0	Concrete - Class AA_1		12/12/2019	50		Carroll		
	2518	10439 - ROXBURY - SULLIVAN	520.0201 - 2 - Bridge Sullivan 094/0	Concrete - Class AA_1		12/12/2019	50		Carroll		
	2517	10439 - ROXBURY - SULLIVAN	520.0201 - 2 - Bridge Sullivan 094/0	Concrete - Class AA_1		12/12/2019	50		Carroll		
	2516	10892 - MATERIALS & RESEAR	2532. - - TESTING SANDBOX	Rocksalt_1			0				
	2515	10439 - ROXBURY - SULLIVAN		Asphalt Mix_1			0				
	2514	10892 - MATERIALS & RESEAR	2532. - - TESTING SANDBOX	Sand_1		12/13/2019	0				
	2513	10892 - MATERIALS & RESEAR		Asphalt Core_1,AT Test			0				
	2512	10892 - MATERIALS & RESEAR	403.11 - - HOT BITUMINOUS PAVEM	Asphalt Core_1			0				
	2511	40405 - CONCORD-PEMBROKE	520.01 - Bridge 08 - CONCRETE CLA	Concrete - Class AA_1		12/9/2019	0				
	2510	10892 - MATERIALS & RESEAR	2561. - - PG 76-28 BINDER	PG Binder_1		12/4/2019	0		Irving	CPI #1	
	2509	10892 - MATERIALS & RESEAR	2561. - - PG 76-28 BINDER	PG Binder_1		12/4/2019	0		Irving	cpi #1	
	2508	112390 - NEWINGTON - DOVE	2570. - - PAINT WHITE WB	Paint White_1		12/4/2019	0		Ennis	Pickering	

The central role of a material sample is emphasized in the overall material management process, contributing to the user friendly and intuitive feel of the solution. This promotes efficiency for users by allowing the day-to-day materials activities to be managed from a single location within the application. From one window, all samples related to a contract, a project, a user, or a material, are easily viewed with their associated attributes, assignments, test status and other key information related to the sample.

As a full-featured Materials Management/LIMS solution, ExeVision MMS may be implemented by an agency as a stand-alone Materials solution or as a part of ExeVision's **integrated Project Development solution (iPDWeb)**, including Estimating, Electronic Bidding, Construction Management, and Civil Rights Compliance.

Additional iPDWeb Materials functionality

- Define materials, vendors, locations and relationships
- Define component/sub materials
- Define laboratories for off-site testing and certifications for materials production
- Track inventory including test sites
- Assign materials to bid items with item substitutions
- Create reports for materials inventory and materials testing requirements based on contractor's bid item submission
- Sample management: track location, tests, testers, results, vendor certifications, etc.
- Define tests, calculations, value ranges, etc.
- Maintain test libraries
- Provide agency employees or contractors access rights to log into MMS and create, conduct, and record materials tests
- Calculate pay factor adjustments in CMS based on testing requirements and results from MMS
- Test schedules based on item quantities and/or test frequencies
- And much more...

About ExeVision

ExeVision, Inc., is the developer of the iPDWeb solution, a comprehensive, project development system fully integrating all functional aspects of road and bridge construction from estimate creation and electronic bidding, through final contractor payment. ExeVision is also the creator of the iCXWeb application, designed to assist contractors in the creation and submission of responsive bids and facilitate seamless bid communication between contractors and the agency. These two solutions provide substantial time and cost savings for the state transportation agencies that have implemented them. ExeVision has been developing and deploying mission critical, agency-specific applications for over 25 years and is a Utah based company.

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EXE **VISION**

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