



CIMS™

CONSTRUCTION INFORMATION
MANAGEMENT SYSTEM



HORROCKS

ENGINEERS



Brinkerhoff - Pipe Backfill 40ft - bd-9017

bd-9017-A

TEST ID: bd-9017-A STATION: 463+26 RANDOM: Computer Generated TECH: Brett Daniel

GAUGE NUMBER: 3823 D.S. DENSITY COUNT: 2478 D.S. MOISTURE COUNT: 745

	TEST DEPTH	WET DENSITY	MOISTURE LBS	DENSITY CT	
READING 1:	4	130	8.7	2398	690
READING 2:	4	129	9.2	2299	683

PROCTOR VALUE: 131 OPTIMUM MOISTURE: 9.4 T99 T180

LIFT NUMBER: 1 DATE: December 3 2020

REMARKS: placed in 6" lifts, moisture conditioned and compacted using walk behind



Read Only

Project Name: _____
 Prime Contractor: _____
 CPM Activity: GORD-S2-1910 Place/Grade/Compact UTBC | GOR

AREA SQ FT: 35398.792634

Roadway
 US-89 (Gordon Avenue Extension)

Contractor

CIMS

Data collection is a significant part of the construction management process, but often data is not analyzed in time to catch and correct failures or to improve ongoing construction processes. Construction projects are often data rich, but information poor. Horrocks' Construction Information Management System (CIMS) incorporates testing and inspection tools, automated analytics, and project dashboards tailored to the needs of each project to help you build with confidence.

FEATURES

TESTING & INSPECTION MODULES

- Secure Login
- GIS-Based Maps
- Autofill for Minimized Data Entry
- Test Point Randomization
- Easy Status Orientation with Prior Work Layer
- Real-Time Data Synchronization
- Punch List Items

PROJECT DASHBOARD

- Project Requirement Library
- Stakeholder Reports
- Automated Notifications & Result Review
- Nonconformance Reports
- Certification & Submittal Register
- Materials Log
- Interrelation of Pay Items to Documentation

DATA ENTRY

MODULES

The CIMS mobile app includes three modules that inspectors and field technicians can use to record testing and inspection data. The app simplifies the inspection and testing process by automating tasks such as test randomization, computing test results, and geolocating the user on a project map:

- **Earthworks:** The CIMS Earthworks module streamlines the lot creation and density testing process.
- **Concrete and Asphalt:** The Concrete and Asphalt module simplifies the reporting process for testing and inspection of paving, structural concrete, and flatwork, making testing data more immediately accessible.
- **Inspection:** The Inspection module provides a robust data entry tool for inspection, control point, and punch list items. Entry fields can be customized to document field observations through notes, photos, approvals, and contractor signatures.

ANALYSIS

Compliance

Using the CIMS app, field data is analyzed, summarized, and presented in custom tables, charts, and graphs conveying accurate project status with issues flagged for review and action. Construction managers can quickly access information, check the status of approvals, and make decisions on follow-up actions. Faster access to testing and inspection information allows for better quality management. CIMS makes the collection of real-time data feasible, dramatically increasing its value.

Schedule

Construction data collected through the CIMS app is instantly presented on the project dashboard for leadership review and action. Instant access for inspectors, technicians, contractors, and construction managers improves coordination, prevents rework, and saves valuable time.

Budget

The CIMS allows for better budget tracking, giving contractors and owners the information they need to make informed decisions throughout the project. The system also flags missing documentation or testing needed to process payment. Through the project dashboard, project stakeholders can monitor real-time budget and quality information such as staff hours, workload, and outstanding tasks and can address quality and workload concerns, align expectations with project owners, improve partnering, and expedite payment and closeout.

Performance

The web-based CIMS project dashboard provides management metrics to review the performance of contractors, inspectors, and office staff. Automated issue identification improves the effectiveness of field and office staff, allowing them to focus on areas where improvement is needed.

VISUALIZATION

Live GIS Maps

As all testing and reporting data is linked to web-based project maps, the CIMS makes it much easier for contractors, inspectors, and field personnel to quickly locate project areas for testing, identify their own position on a project map, and present accurate spatial information to project stakeholders.

Project Dashboard

Each project dashboard is fully customizable and designed to meet the client's needs. The dashboard allows project teams to manage and analyze data sets at a glance with client-specific charts, graphs, and tables.

Visual Reporting

Our CIMS staff provides custom reporting for stakeholder communication which can include any maps or graphics needed to clearly communicate construction data with an audience, no matter their level of technical understanding.



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