



product overview

Highlights

- Integration with Asset Management Systems
- Production and Management of Works Orders
- Highways Maintenance Module
- Utilities Module
- Job Status and Tracking
- Management of Subcontract Gangs and Payments
- Client Invoicing and Applications
- Cost and Value Reporting of Works Orders
- Contract Performance Reporting
- Integration to Traffic Management Act

Highways maintenance

For companies undertaking infrastructure maintenance projects, who are under increasing pressure to deliver best value by providing a quality service on time and within budget, Causeway Highways Maintenance Management provides the control you need.

Unlike stand alone systems, the Causeway solution integrates with clients asset management software enabling the electronic transfer works orders and applications, providing complete visibility of job status, progress, performance, cost and value.

With Integration to Traffic Management Act (TMA) systems for Permits and Notices together with job control and data collection via Mobile devices the system ensures complete end to end process control.

The challenge

Term Maintenance Contracts are notorious for generating large volumes of paper transactions, often resulting in manual processes and the re-keying of data between numerous systems.

The task of receiving works orders from a client, managing the business processes from receipt to completion, managing costs, making applications, tracking variations and reconciling cost and value in order to ensure project profitability is a challenge for most contractors. There is also increasing pressure to monitor and comply with project specific KPI's, many of which will which will relate to time, quality and performance.


Clients too are faced with their challenges.

With a noticeable shift from adversarial relationships and a move towards partnering, open book and cost reimbursable contracts, clients now require greater visibility and increasing levels of detail relating to project performance information. Customer satisfaction is vital and the need to meet with stringent targets set by regulators and governing bodies is essential in order to demonstrate best value and secure future funding.

The issues

Historically clients and contractors management information systems have been developed in isolation. Clients have invested in asset management software to manage what they own, its location and its condition.





Conversely most contractors have financial systems helping to manage and report the overall profitability of their business. A potential problem arises when attempting to manage the flow of 'works orders' between the two.

Asset Management systems enable clients to carry out inspections, capture defects and where necessary, create a works order for issue to a contractor. Contractor's finance systems will however rarely offer the functionality to manage works orders. A popular solution to the problem has therefore been for the contractor to develop in-house spreadsheets and databases in an effort to provide some form of management control.

These systems often result in the re-keying of data and when run in isolation of the finance systems, accurate cost control is problematic making it increasingly difficult to proactively monitor project profitability.

The solution

Causeway Highways Maintenance Management has been specifically developed to offer detailed works order management and financial control of term maintenance contracts and is widely deployed within the Highways, Rail and Utilities sectors.

By providing seamless integration with clients' asset management systems, Causeway Highways Maintenance Management electronically links contractors and clients, ensuring proactive performance management of infrastructure maintenance contracts.

Integration

Causeway Highways Maintenance Management offers integration with asset management solutions within the Highways, Rail and Utilities sectors.

Through close integration clients and contractors are able to combine asset, cost and performance data to enable improved performance management and informed decision making.

Works orders

Causeway Highways Maintenance Management electronically imports defects enabling the creation of works orders and estimates for electronic transfer to contractors. The entry or import (from asset management systems) of Works Orders into

Causeway Highways Maintenance Management allows users to record all information pertinent to the contract for both internal and client reporting. The Works Order is either allocated to direct labour, or subcontract labour, and dated with receipt time. The system holds full Works Order description, with ordered schedule, response times, uplifts (if appropriate), priorities, and location details by location/area and address.

With the increase burden (and potential fines) from the requirements of the Traffic Management Act it is vital that information is available to managers and schedulers to ensure that jobs are done within the required time frame and that associated Notices and Permits have been raised in a timely fashion to allow efficient working. This is achieved by integrating the scheduling process (with delivery and status updates via mobile devices to give timely information on problems or delays) with the complex requirements of Notices and Permits workstreams.

System workflow

Once received, contractors are able to allocate works orders to depots, supervisors and then gangs consisting of either direct labour, subcontractors or a mixture of the two with delivery and updates to the gangs via Mobile devices. Once defects are completed, dates and times are captured either manually or automatically from the status updates from the mobile device and can be electronically transferred to the client for approval.

The TMA Street Works Noticing module allows contractors to manage the noticing process associated with works to comply with the Traffic Management Act. The contractor can issue notices electronically to the Client and where required apply for permits all from within Causeway system. Notices can be viewed against works orders to ensure gangs are fully aware of noticing periods and therefore meet target completion dates without penalties. Once defects are completed, dates and times are captured and can be electronically transferred to the client for approval

Measures are entered against works orders either manually or via the data capture on the mobile device and again can be electronically submitted to the client for approval, clearly identifying financial discrepancies between works requested by the client and works

completed by the contractor.

Monthly valuations are automatically generated and include all interim and completed works. Causeway Highways Maintenance Management facilitates the electronic transfer of applications for payment from contractor to client and approved payments from client to contractor.

Works instructions

A Works Order may be varied to either delete, add, amend or replace an item, or to vary the required completion date. Variations to an order are clearly managed and tracked within the system providing complete visibility of changes and control of progress.

Cost management

Causeway Highways Maintenance Management, a module of Causeway Project Accounting (CPA) can be used as a 'stand alone' module, however when deployed in conjunction with CPA the combined solution facilitates accurate cost and value analysis of defects, activities, gangs, works orders, schemes and projects, enabling you to minimise risk and maximise the profitability of your maintenance projects.

Causeway Project Accounting embraces all of the business processes associated with the capture and management of project cost information. By capturing information at source, which includes mobile data capture, CPA proactively monitors committed, accrued and actual costs for all Labour, Plant, Material, Subcontract and Other resources.

Reporting

As works orders progress through their life cycle within the system, Causeway Highways Maintenance Management automatically tracks their status from creation to completion. A simple yet powerful report writer available to both client and contractor allows user definable performance reporting across the project monitoring performance by status, location and budget codes as well as contract specific KPI's.



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