



Bruce Highway Upgrade - A Queensland TMR Collaborative Project



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01

Overview



The Bruce Highway Upgrade – Caloundra Road to Sunshine Motorway (CR2SM), will deliver critical safety benefits to motorists, improving efficiency, reducing traffic congestion, and ensuring the highway caters for future growth. The Fulton Hogan Seymour Whyte Joint Venture (FHSW JV) is delivering CR2SM on behalf of the Queensland Department of Transport and Main Roads (TMR).

The project involves upgrading the Bruce Highway to six lanes from Caloundra Road to the Sunshine Motorway. This includes the delivery of a two-way service road for local traffic on the western side of the highway, between Steve Irwin Way and Tanawha Tourist Drive, and major upgrades to both interchanges.

The \$812.95 million project is funded on an 80/20 basis under the Infrastructure Investment Program; the Australian Government is contributing \$650.36 million, and the Queensland Government is contributing \$162.59 million.

02

Project-wide clear line of site

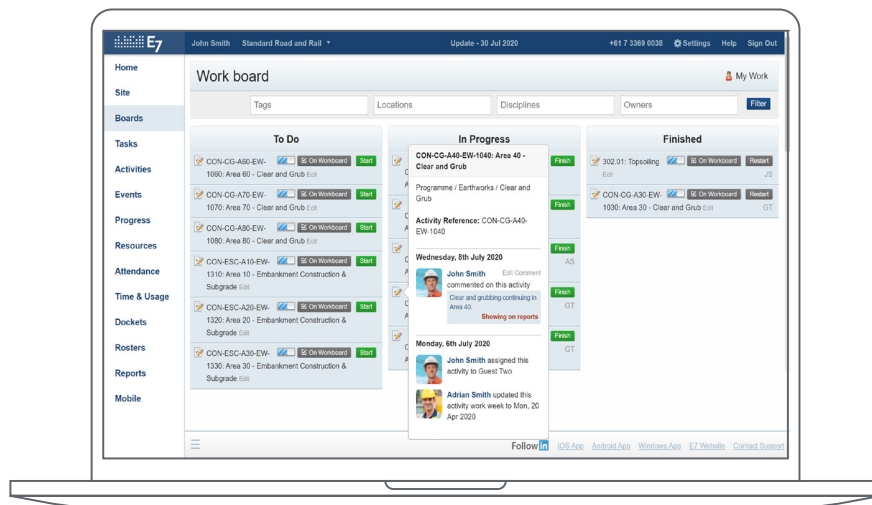
E7 was engaged by FHSW JV to provide oversight, reporting, and a clear line of sight across the project's site information through digitalised and streamlined field-based construction processes, including:

- **Site Diaries**
Comprehensive daily reports, with detailed records and hours of each Supervisor's work activities (including labour, plant, materials and subcontractors) split into the various cost codes worked on, as well as site weather information
- **Site Photos**
Entered by site personnel 'at the coalface' and/or by Engineers in the office, to the relevant Supervisor's diary section and cost code
- **Site Dockets**
Records of timesheets, materials and plant
- **Reporting Suite**
An intuitive and easy-to-use program to facilitate Electronic Dockets approvals, productivity information recording, and ad hoc reporting in real time

With the project of national significance, and as one of Queensland's highest-priority projects, its smooth operation and on-time delivery is essential and key to the long-term growth of the region.

03

Efficiency over a massive scope



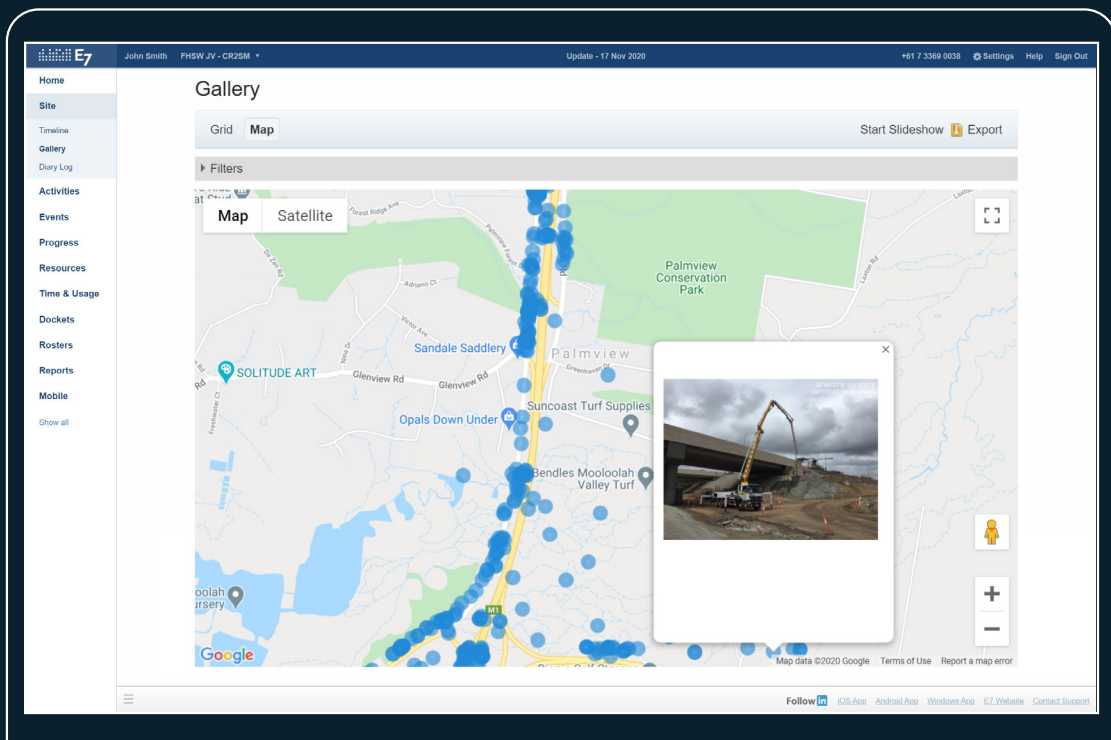
Traditional project management would use a paper-based approach to manage the daily capture of time, activities and progress tracking.

However a project of this nature, with a massive scope of work and limitations in terms of access, functionality, data manipulation and reporting, meant a new approach was required.

E7's appeal is that data is efficiently captured, and can be repeatedly used for varied purposes. From productivity tracking to payment of invoices, E7's database provides realtime transparency of activities. Decisions are made with confidence, as E7 ensures accurate and up-to-date information.

Key advantages

- Accurate progress and performance measurement
- Track and redeploy resources to meet project needs
- Efficient, error-free time capture
- Universal system access for project leads and subcontractors
- Real-time productivity issue identification and ability to pinpoint repair locations for insurance recovery
- Reduced administrative burden for Engineers, Administrative Support and Project Management teams
- Improved project oversight and site record accuracy, including delays and associated considerations
- Improved daily activity planning and management
- Real-time data analysis
- On-demand reporting



Conclusion

As the project heads towards completion in 2021, E7 will continue to be the project's primary reference tool and source of project truth.

Since implementing E7 on CR2SM in July 2018, the project has captured and processed:

- Over 135,000 site docketts
- Almost 280,000 labour hours
- Management of over 115 subcontractors
- Over 2,000 completed site activities
- More than 6,500 site photographs
- Almost 10,000 comments

Testimonials

Managing a large project of this nature requires failsafe systems that ensure large volumes of information can be processed accurately and fast.

The efficiency of the E7 system has saved our project time and money, as their system minimises errors and maximises productivity.

Brad Thompson, CR2SM Project Director

E7 transformed the way we do business on the project. It provides real-time information that allowed us critical insight into what's going on in the field.

This has enabled us to become more flexible and enabled us to make fast and informed decisions.

Alastair Dalton, CR2SM Commercial Manager



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E7 is the leading field-based construction delivery platform, connecting project leaders with real-time insights and providing unparalleled visibility of project performance.

With daily clear line of sight, E7 fills the gap between each end-of-month financial reporting cycle.

Contact E7 today on **+61 7 3369 0038**

 Check out some more **E7** case studies

