

2019 User Group Conference Agenda



DAY 1 (Full Day)

			Tea and coffee on arrival	<i>Please arrive on time for the 8:30am start</i>
08:30	09:00	1	REGISTRATION & WELCOME	<i>Welcome & Introduction. Asset Edge company update. Agenda for today and tomorrow. Annual User Surveys distributed, update contact lists etc.</i>
09:00	10:00	2	Reflect	<i>Reflect Web and the UMC. Enhancements and Changes over the last 12 months - including where is your data and how secure is it?</i>
10:00	10:30	3	Reflect	<i>Reflect Mobile - Android. Enhancements and Changes over the last 12 months - including device selection and global settings.</i>
			Morning Tea	<i>Provided by Asset Edge.</i>
11:00	11:45	4	Reflect	<i>Reflect Windows. Enhancements and Changes over the last 12 months - lots of new features and tools that you may not know about.</i>
11:45	12:00	5	Reflect	<i>Premium Level Services. Improve and fast track Asset Edge software use at your council, the benefits and savings. Testimonies from those just completing their 12 months of "PLS".</i>
12:00	12:30	6	Reflect	<i>Analyse menu on Web. Great for KPI reporting & Big Picture Analysis - we will work through some examples.</i>
12:30	13:15		Lunch	<i>Provided by Asset Edge.</i>
13:15	14:00	7	Recover	<i>DRFA 2018 - the new reporting requirements for your State. Pre-condition evidence: Asset Images, restoration works and Reflect. Reflect -> Recover integration for precondition.</i>
14:00	14:15	8	Reflect	<i>Searching, Filtering & Downloading Images on android devices (including use with Electronic Forms).</i>
14:15	14:30	9	Signum	<i>A full run down on all the great new features in Signum - Sign Management Solution. How it can be useful to meet your council's risk management requirements and why its becoming more popular.</i>
14:30	14:45		Afternoon Break	<i>Stretch your legs and take the opportunity to get in touch with other attendees or one of the Asset Edge team members.</i>
14:45	15:00	10	Reflect	<i>Setting up a new Footpaths / Pathways database in Reflect. How to approach it? What information is needed, the do's and don'ts and how to implement.</i>
15:00	15:30	11	Reflect	<i>Council Case Studies from around the country - five of the best!</i>
15:30	15:45	12	Nemus	<i>What is the Nemus Tree Management Solution? How will it help arborists and open space inspectors with recording and risk assessing all identified and significant council trees.</i>
15:45	16:15	13	Reflect	<i>Reflect for Parts Management, Inventory & Warehousing, Traffic Facilities Management State Growth Tasmania example.</i>
16:15	16:30		Review Whiteboard and Questions	<i>Opportunity to address items raised during the sessions and introduce new discussion with Asset Edge representatives.</i>
<p align="center">ASSET EDGE ANNUAL CONFERENCE DINNER COMMENCING 7.00pm</p> <p align="center">Meals and Refreshments provided by Asset Edge.</p>				

2019 User Group Conference Agenda



DAY 2 *(Half Day)*

From	To		Tea and coffee on arrival	<i>Please arrive on time for the 8:30am start!</i>
08:30	09:00	14	Reflect	<i>Reflect for Apple - iOS (iPad and iPhone compatible). A first look for UGC participants.</i>
09:00	09:30	15	Reflect	<i>Work Flow Notifications, Report Scheduling & User Groups. Something you need to know about and will use daily.</i>
09:30	09:45	16	Reflect	<i>Survey Results from Day 1. Explain our training and support services for 2019 for you and your council.</i>
9.45	10:15		Morning Tea Break	<i>Provided by Asset Edge.</i>
10:15	11:00	17	Reflect	<i>Reflect and RMCC (NSW) and RMPC (QLD) Sessions. Update and what your council needs to know before July 1 contract renewals. Reflect (VIC). Recording, managing and reporting data as a requirement for your council's asset maintenance.</i>
11.00	11:30	18	Reflect	<i>SEVIM - Powerful image retrieval using Geo-Location and date. How it will become the essential tool for Asset pre-condition and litigation matters.</i>
11:30	12:00		Review Whiteboard and Questions	<i>Conference wind up and review of all sessions. Finalise the action list for the Asset Edge developers to commence enhancement works over the coming 12 months.</i>



SESSION 1 - Conference welcome

Welcome to the 2019 User Group Conferences

Welcome and thankyou to all who have taken the time to attend this years AUGC.

The UGC occasion presents an opportunity for all our Software Users to learn about the expansion and power of our application suite. The continual growth of product functionality and features provides a developing resource that engages and delivers the changes and needs of the client.

The sessions are designed to deliver key concepts and usage of the Asset Edge range of systems.

At the end of each session we encourage attendees to raise questions, provide feedback and offer constructive suggestions, your input is always appreciated and may result in future benefits to the end users.

Over the next two days we encourage you to speak with the Asset Edge Solutions Consultants and also take the opportunity to meet some of the other attendees.

We hope you enjoy this years Annual User Group Conference and return to council with both new information and a renewed enthusiasm to get the most out of the software.

- **Conference Token of Appreciation**
- **Agenda and Delivery**
 - Short informative sessions and we will do our best to stay on time.
 - Please try to leave your questions until the end of each session.
 - We encourage you to also discuss any issues with Asset Edge staff during breaks.
 - You don't have to attend all sessions. However, please enter/leave between sessions.
- **Session Slides** *Electronic version will be available on request following final conference at Coffs Harbour.*
- **Conference Survey** - Please complete and return Day 1 (only one per council)
- **Check the Contacts Register Folder** - please update as required
- **Check the Council Corporate Systems Register** - please update as required
- **Dinner at 7.00pm – who's coming?** *Pre-dinner drinks 6:00pm to 7:00pm*
- **DURING SESSIONS - ENSURE ALL MOBILE PHONES ARE ON SILENT**



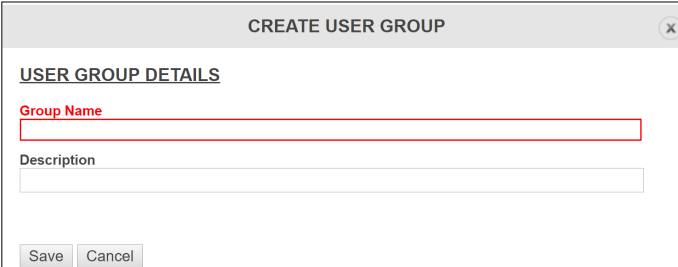
SESSION 2 - Reflect Web & UMC - Enhancements & Changes over the last 12

Session Introduction

The web platform for the Reflect System continues to be refined and improved. A number of important enhancements have been made to this platform which will see it become an integral part of the Reflect System as a whole.

Some of the important things you may need to know

Report Scheduling & Workflow Notifications offer powerful automated workflow capabilities. The Analyse menu offers the ability to provide new insights into your data.



Some of the main changes are listed below:

Enhancement / Change description	Will use? (Y/N)	More info req (Y/N)
• UMC User Groups		
• UMC Contractor Fields		
• Workflow Notifications (covered later)		
• Report Scheduling		
• Image Downloads		
• PRINT Templates (now also with MAP)		
• Quick Export		
• Publication Downloads		
• Surveillance Items		
• Analyse Menu (covered later)		
• API Enhancements (insert, search, delete, edit)		
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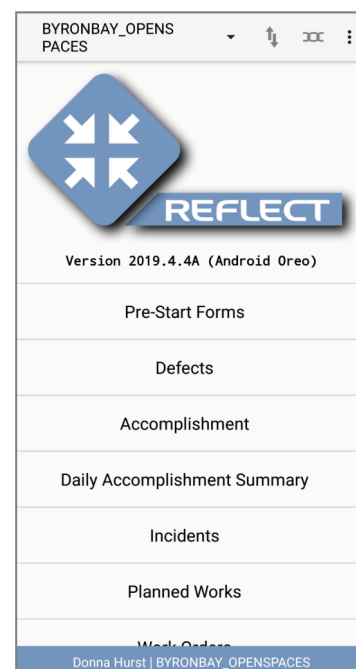
SESSION 3 - Reflect Android - Enhancements & Changes over the last 12 months

Session Introduction

The android version of the Reflect System continues to provide a fast, simple mobile data collection platform. The last twelve months have seen significant improvements in some of the more complex functions within the Reflect System.

Some important things you need to know

To cater for speed & filtering Electronic Forms now have a basic and advanced mode. Images can be downloaded 'en masse'. Searching & Lists now better supported. Also, a biggie is the addition of the Requests module to the android platform.



Some of the main changes in the Android version are listed below:

Enhancement / Change description	Will use? (Y/N)	More info req (Y/N)
• Planned Work Location Zone Chainage Display		
• Showing Completed Records		
• Image Symbols on Detail Map View		
• Mandatory Lat/Long for Images		
• Auto calculate Start Time in Accomplishment		
• Download Images within visible Map Area		
• Search on list or map views		
• List view customisation		
• Filter Electronic Forms		
• Inherit Job Number		
• Use Location Length or Chainage To-Chainage From?		
• Basic & Advanced mode for Electronic Forms		
• Requests		

Current Version

as at / /

SESSION 4 - Reflect Windows - Enhancements & Changes over the last 12 months

Session Introduction

The Windows platform for the Reflect System continues its slide from field use and is rapidly becoming an 'administrator' only tool for most sites.

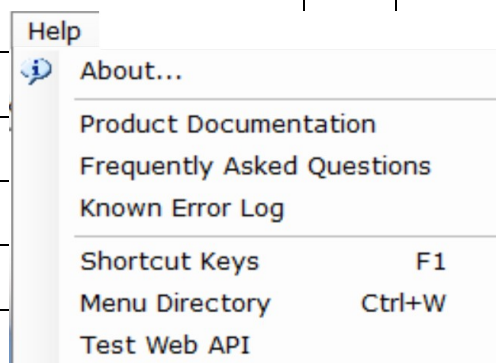
Some important things you need to know

The Windows version of Reflect continues to grow albeit a little more slowly than in previous years. Auto updates to the underlying Location Model has the potential to be a game changer over the next 12 months however.



Some of the main changes are listed below:

Enhancement / Change description	Will use? (Y/N)	More info req (Y/N)
• Support for Parts Inventory (covered later)		
• Analyse -> Defects by Location per Length		
• Analyse -> Response Times by...		
• Update Related Data - layout improvement		
• Location Model Update Settings		
• Help -> New wiki style documentation		
• Retrieve Images from Server		
• Related Grid Layout options (Design Field Layout)		
• Use Length, Width & Area in Defects, Planned Works & Accomplishment		
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SESSION 5 - Premium Level Services

Session Introduction

There has been twelve councils who have taken up Premium Level Service Agreements (PLS) to accelerate implementation of Reflect Asset Classes. The PLS initiative is best suited to those sites that do not have the resources or time to administer and improve the Reflect software. Communications between the assigned Asset Edge PLS manager and your council are completed within a shared Google Doc and provides information on task and objective requirements, actions and progress hours worked under the PLS arrangement.



The Annual cost to be a premium Level Council is Cost \$12,000 +gst



Approximate savings to council on a Premium Service Level plan across 12 months would be approximately \$8,500 if measured against more conventional quote based services and training.

A dedicated Asset Edge Solutions Consultant is responsible for all of your councils Reflect Database Development and Support Services and Software Assistance.

What's in the Premium Level Service Package ?

Support Services - All Asset Edge Solutions (max 100 hours per annum) including (*value \$15,000*)

- ⇒ New Reflect database development for various Asset Classes
- ⇒ Setup, implementation and training for Reflect databases
- ⇒ GIS Support services for new databases including Chainage Point work and mapping
- ⇒ Electronic Form creation, testing and rollout

Extended Recover Support and Event Simulation training (*Web Based*)

25% discount on Nemus and Signum Annual Maintenance fees (*saving of \$1375*)

Two free admissions to Annual User Group Conference (*value \$1500*)

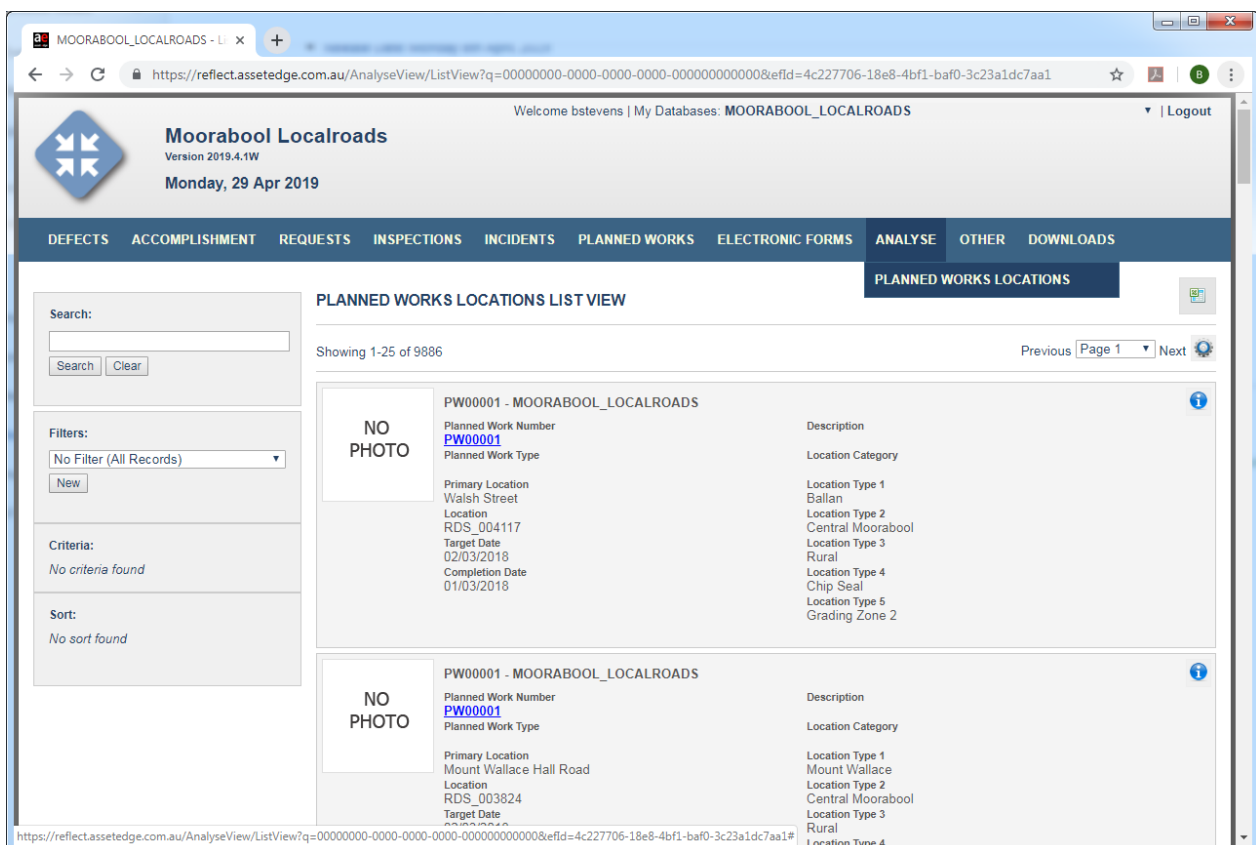
SESSION 6 - Analyse Menu - Reflect Web

Session Introduction

An exciting new addition the web version of the Reflect System is the Analyse menu. The Analyse menu can list one or more windows showing summary tables and cross table queries that can provide great insight into your data.

Some important things you need to know

- The Analyse menu does NOT appear in your Reflect Web menu UNLESS there is a view already set up for it.
- To have a view created for the analyse menu email Technical Support with a detailed explanation of what you wish to see in this view.
- A view can consist of summary or detailed data from one window or combined data from many data windows.
- The Analyse menu can contain many, different views.



The screenshot displays the Moorabool Localroads Reflect Web interface. The top navigation bar includes links for DEFECTS, ACCOMPLISHMENT, REQUESTS, INSPECTIONS, INCIDENTS, PLANNED WORKS, ELECTRONIC FORMS, ANALYSE, OTHER, and DOWNLOADS. The 'ANALYSE' menu is currently selected, showing a 'PLANNED WORKS LOCATIONS LIST VIEW'. The interface includes a search bar, filters, and criteria sections on the left. The main content area displays a list of planned works, with two entries visible. Each entry includes a 'Planned Work Number' (PW00001), a 'Planned Work Type', and a 'Primary Location'. The 'Description' column lists various location types and categories.

Planned Work Number	Planned Work Type	Primary Location	Description
PW00001		Walsh Street	Location Type 1: Ballan Location Type 2: Central Moorabool Location Type 3: Rural Location Type 4: Chip Seal Location Type 5: Grading Zone 2
PW00001		Mount Wallace Hall Road	Location Type 1: Mount Wallace Location Type 2: Central Moorabool Location Type 3: Rural Location Type 4: Grading Zone 2

SESSION 7 - Recover - Natural Disaster Management Software

Session Introduction

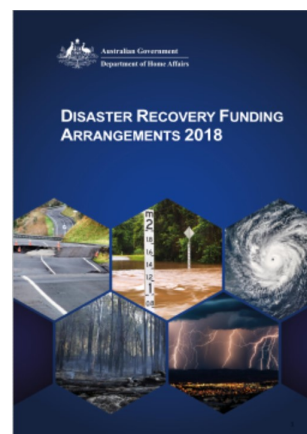
Recover remains Australia's leading software solution for the collection of data, costing of estimates and production of claims and forms for Natural Disaster Funding Arrangements. There are currently over 90 councils across NSW, QLD and VIC with Recover Agreements.

DRFA2018

Disaster Recovery Funding Arrangements (DRFA) commenced 1 November 2018, replacing Natural Disaster Relief and Recovery Arrangements (NDRRA). A new version of Recover was released 1 November 2018 to align with both Federal and State authority guidelines. (NSW, QLD, VIC).

What Councils need to be aware of!

- Identify & understand the changes.
- Address the changes in order to 'comply' - action required at council level.
 - ◊ Location information - review of chainage formats, road widths, asset name and other identified EPA information requirements.
 - ◊ Essential Public Assets (EPA) - function, classification, layout, materials of the asset (NSW).
- Pre-disaster condition of asset evidence - how?
- Other information required for claims/forms - about the asset, the damage, work completed.
- Ensure councils DRN (digital road network) is up to date, *supplied to state authority & is the current location setup in Recover. (** if state requires*)



What's next for Recover?

- Integration for Pre-condition evidence - Asset Images, from Reflect and other sources.
- Photo stage tagging - pre-event, post-event, construction, completion.
- Counter Disaster Operations module.
- iOS Recover version.
- Bushfire related damage.
- Recover Information and Training Sessions to be scheduled later this year!



SESSION 8 - Image Management on Android devices

Session Introduction

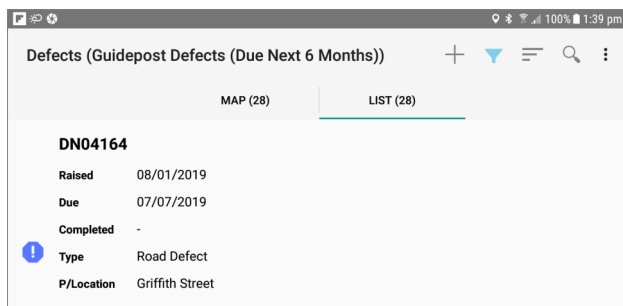
Recent improvements have meant images no longer need to be downloaded for a single record at a time. Images may now be downloaded en-masse using either a map view or via a filter or search.

Downloading via Map View

Map View->... menu->Download Images

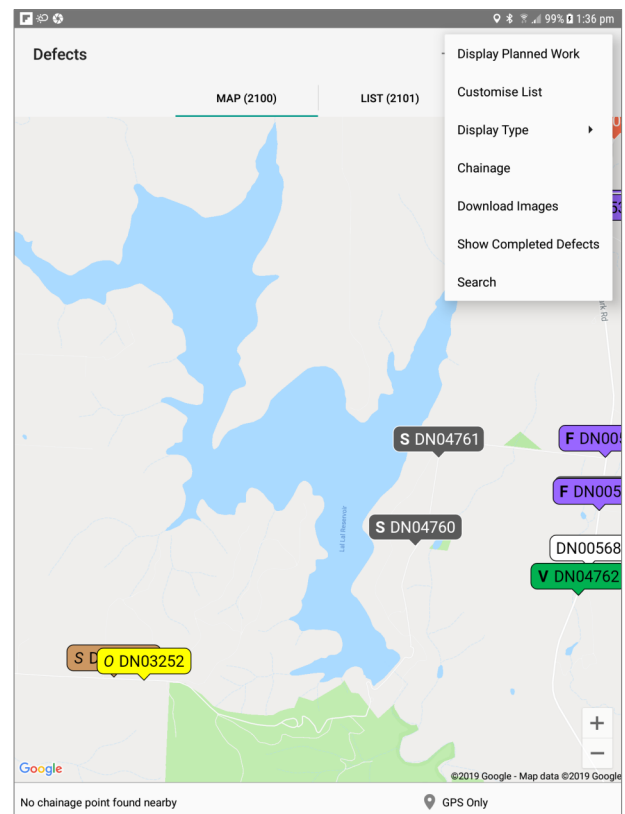
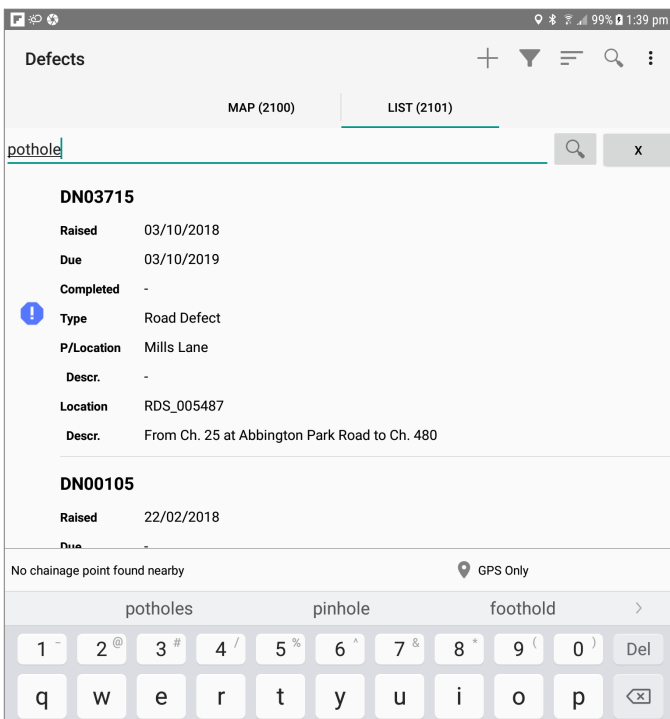
Downloading via Filter

Filter->Select Filter->... menu->Download Images



Downloading via Search

Search->enter criteria->... menu->Download Images



Download Images

- There are 14 images - 0 already on device, and 14 to be downloaded for the currently displayed map and filter.
- Downloading these images may take some time, depending on the number of images and your connection speed.

The following objects exist for the selected filter and map area:

- 14 Defects

Downloading image 3 of 14

STOP DOWNLOAD

SESSION 9 - SIGNUM - Sign Management Software Update

Session Introduction

There are currently 20 councils with Signum Licences and this number is growing steadily with the normalisation of electronic field data recording. Signum provides a perfect paperless and mobile solution to recording the placement, checking and removal of Temporary Road Signs.

Recent improvements include Chainage Display for the Android and Web versions of Signum and also addition of user defined fields for data capture.

If your council is required by Insurance Companies to record date/time and Road Chainage and Location for temporary signs then Signum is the perfect choice.

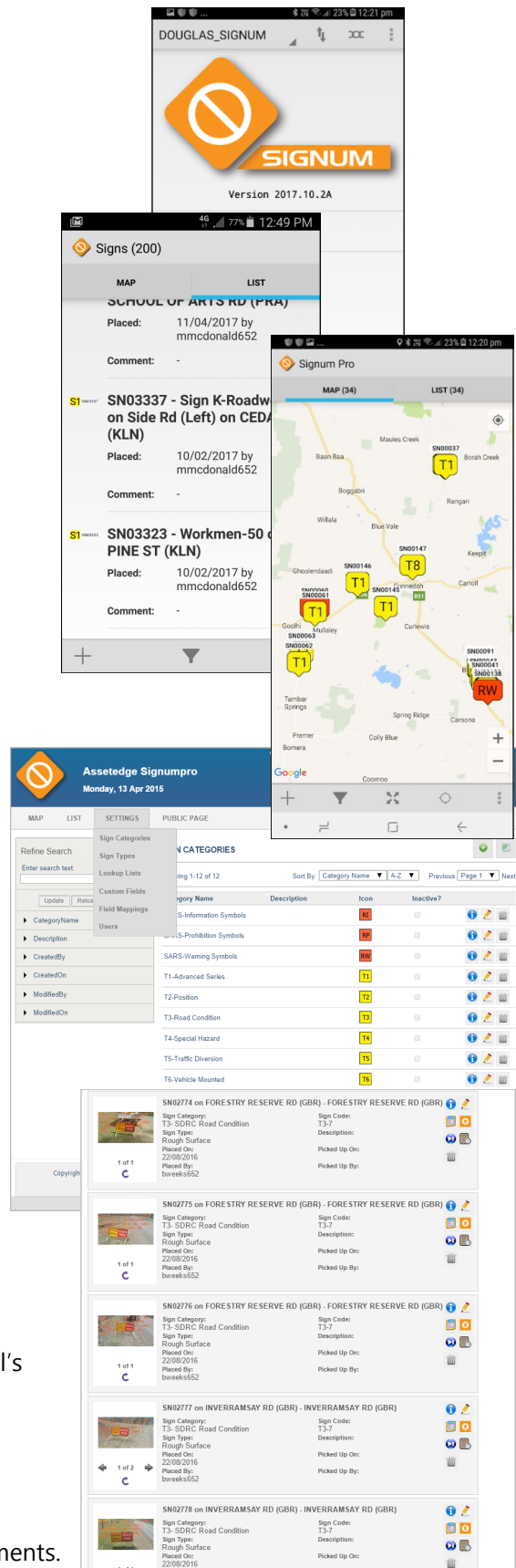
Captured details can be optionally marked for display on a publicly accessible Web site - making it a breeze to keep the local residents informed of road conditions.

Some councils are also adapting Signum for the collection and management of Permanent Signs.

How much? It's still only \$2500 per annum - UNLIMITED users, full access to Android and Web. Setup is free!

Signum provides the following benefits:

- Strong legal defence for council.
- Collects all information on smartphone/tablet.
- Logs GPS Location, images and date/time.
- Efficient deployment and collection of all types of temporary signs.
- Easily locate signs on the road network using council's Signum website with secure login and password.
- Also manage Permanent Signs and SARS (Signs for Remote Supervision) to comply with insurer requirements.



SESSION 10 - How to set up a Footpath Reflect Database

Session Introduction

The correct setup of a Footpaths or Pathways database will enable a smooth and painless implementation for councils inspection and field staff. The introduction of mobile phones/tablets is now providing accurate defect and work reporting.

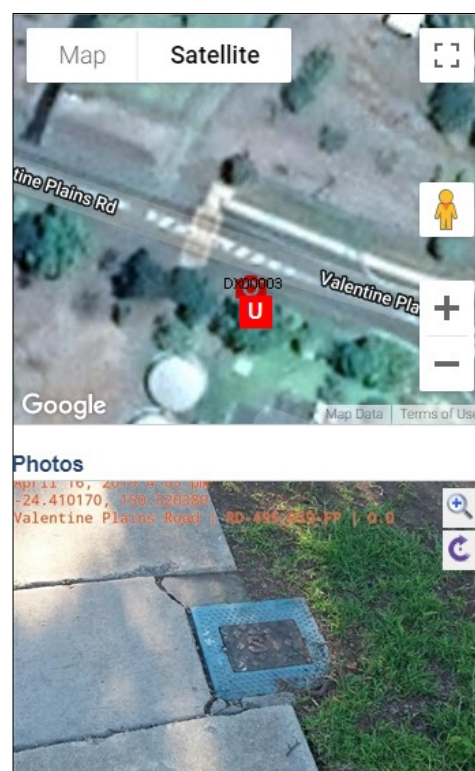
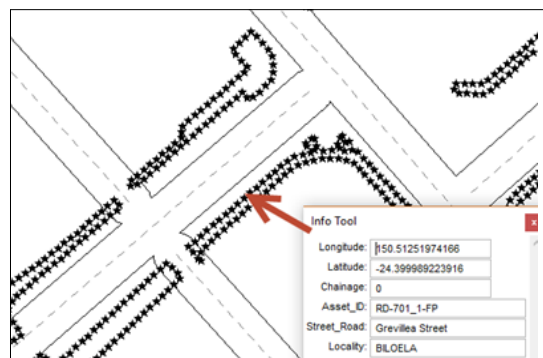
Footpath Database setup

Asset Edge provides guidance on how to set up your database. The three important setup areas are Locations, Activities and Defect Types. The existing footpath map layer made up of lines or polygons is ideally converted to point location data which allows the mobile device to easily identify which asset the defect or activity is being recorded against.

SYM-BOL	Defect Group	Defect Type	Defect Code	Physical Description
T	Pavement	Trip Hazard	T1	Trip>30mm
T	Pavement	Trip Hazard	T2	Trip20mm> <30mm
T	Pavement	Trip Hazard	T3	Trip10mm> <20mm
T	Pavement	Trip Hazard	T4	Trip5mm> <10mm

Managing risk and building work programs

Reflect is the perfect tool to provide protection in the event of litigation against council. A well developed inspection and maintenance program for council's pathways will usually result in reduced premiums payable to insurers and improve the overall approach to managing this important asset. As always the correct resources need to be assigned, however once set up your database is easily maintained.



Reflect Field	Example	Comment
Primary Location	Aerodrome Road	Where the footpath is? Usually street or a park
Location	RD-2_017-FP	A unique Asset Reference Number
Description	Footpath section located at Aerodrome Road in Smithville	This is the descriptor used to define the section of footpath and is usually a concatenated value
Location Category	F2	This is the hierarchy/importance of the footpath
Location Type 1	Smithville	Example - suburb or town
Location Type 2	Concrete	Example - surface type pavers, bitumen etc.
Location Type 3	Northern Maintenance Area	Example - surface type pavers, bitumen etc.
Area	221.4	Example - geographic division of maintenance
Width	1.8	Width usually in metres
Length	123	Length usually in metres

SESSION 11 - Case Studies - a handful of the best from around Australia

Session Introduction

Each Annual User Group Conference we showcase to the attendees on different way Reflect can be utilised within a council. Below are a few fantastic examples from a few Asset Edge councils around the country.

Thanks to all those who contributed their information to this session.

Singleton Shire Council (NSW) - Weeds

- Creating a basic Weeds Management tool with full mobile application.
- How to best get around location recording and validation.
- Loading in your weeds as Defect Types.



Moorabool Shire Council (VIC) - Trees

- Tree maintenance in Reflect vs Nemus - the considerations.
- Creation and correlation of sub databases for individual contractors.



Loddon Shire Council (VIC) - VicRoads Contract

- Management of reporting to other departments not utilising Reflect.
- Workflow notifications.



Bega Valley Shire Council (NSW) - Mowing

- Resource utilisation, recording and reporting.
- Timesheet generation from mowing teams.
- E-Form use with Plant Pre-starts.



Forbes Shire Council (NSW) - E-Forms Location Collection

- Using E-forms to pick up unmapped locations.
- Converting collected data to chainage points models.



SESSION 12 – Nemus - Tree Management Software

Session Introduction

Nemus (*Latin for .a tract of woodland, forest pasture, meadow with shade, grove*) was developed by Asset Edge in 2013 and is actually the fastest growing product by percentage of current councils of all the Asset Edge applications with nine councils in four states and territories using the software, We expect this number to double in the next 12 months with a product rewrite to be completed in 2019.



Nemus has the following features:

- Paperless system with smartphone technology to record GPS location, data and images of trees.
- Users creates the required attributes for the data collection process on councils tree assets.
- Secure website dedicated for your own council that has multi-level security access control.
- Create your own reports with outputs to Microsoft products and Adobe pdf.
- Cost effective, simple and powerful solution with full help desk Support 1300 219 552.
- Powerful mapping tools to display, query, analyse and report information about council's trees.

The screenshot displays the Nemus web application interface. The top navigation bar includes links for Home, Calendar, Inspections, Trees, Admin, and Reports. The main content area is divided into several sections:

- SEARCH TREES BY LOCATION:** A map view showing tree locations with labels like TR04551, TR04552, etc.
- RISK RATINGS:** A table listing risk levels and their corresponding frequencies.

Sort	Risk Name	Description	Frequency	Map Image	Actions
↑ ↓	High	Remedial works required within 6 months	6 Months		Edit Delete
↑ ↓	Medium	Remedial works required within 12 months	12 Months		Edit Delete
↑ ↓	Low	Remedial works or monitor tree within 1.5 years	18 Months		Edit Delete
↑ ↓	Negligible	Remedial works/monitoring on program - 3 years	36 Months		Edit Delete
- ATTRIBUTES FOR TREES:** A table listing tree attributes and their data types.

Index	Attribute Name	Data Type	Required	Actions
1	Genus	Lookup		Edit
2	Species	Lookup		Edit
3	Common Name	Lookup		Edit
4	Description	Lookup		Edit
5	Height	Integer		Edit
6	Spread	Integer		Edit
7	DBH	Decimal		Edit
- INSPECTION TYPES:** A table listing inspection types and their attributes.

Inspection Type	Attributes	Actions
Hazard Evaluation		Edit Attributes Delete
Monitor		Edit Attributes Delete
Post Bushfire Inspections		Edit Attributes Delete
Lineclearance Survey		Edit Attributes Delete
Playground Inspections		Edit Attributes Delete
- Mobile App Interface:** A screenshot of the Nemus mobile app showing a form for Tree TR04551. The form includes fields for Tree, Last Inspection, Images, Form, Single, Vigor Class, Good, Structure, Good, Age Class, Mature, and a button to Inspect now or later.

How much does it cost?

A Nemus annual licence will cost \$3000 (excl GST) and includes the use of unlimited number of devices in the field for inspection and recording of information. Then simply access to your council's secure Nemus webpage where information on the OSMS can be viewed, analysed and reported.

How do I find out more about Nemus?

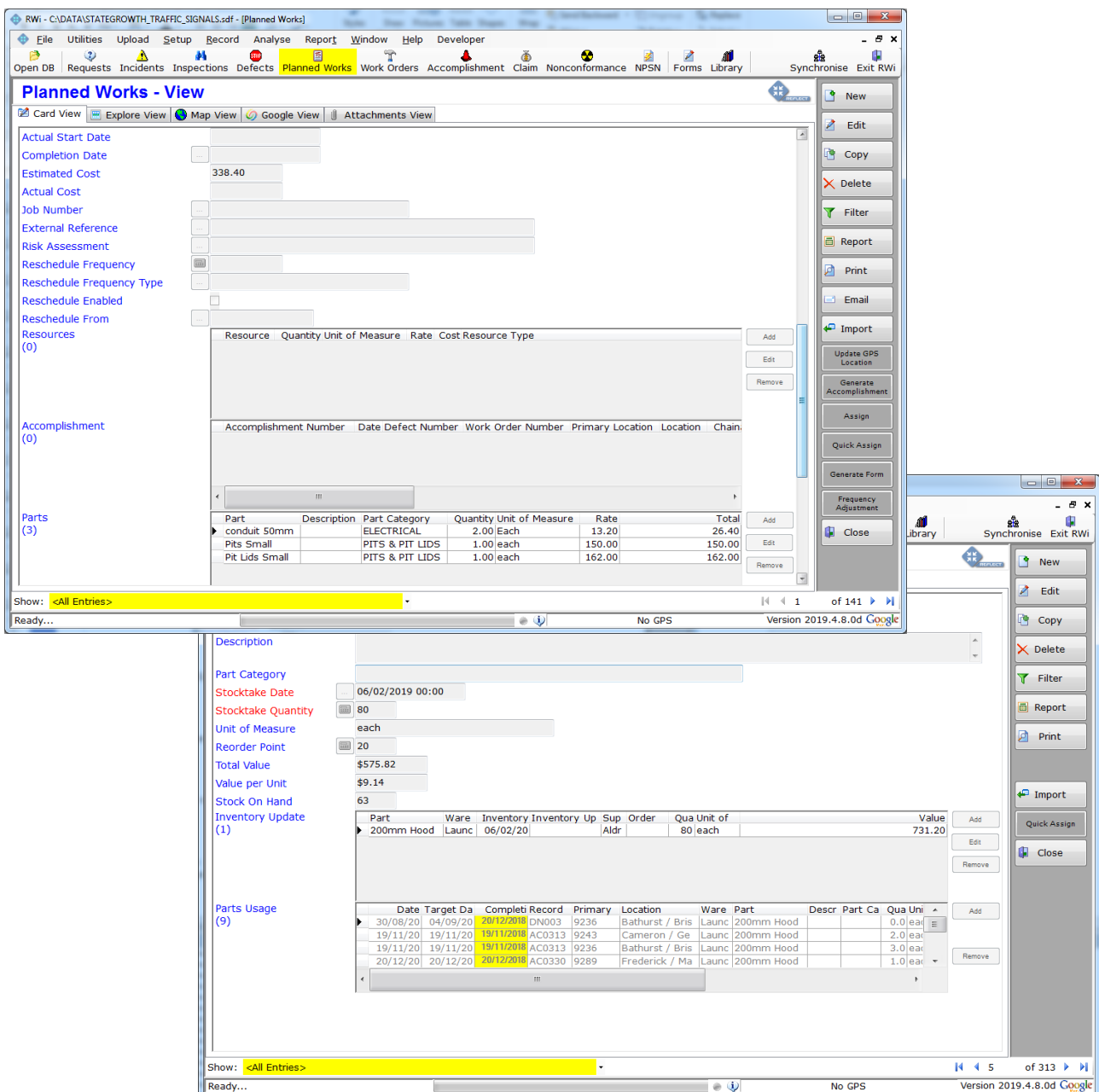
Simply call the Asset Edge Support Desk 1300 219 552 or visit our website at www.assetedge.com.au

SESSION 13 - Inventory Management using Reflect

Session Introduction

There are over 1,200 traffic lights and variable speed signs under management within the Reflect System across Tasmania. Each of these facilities contain a large number of components that are managed and maintained. The traffic facilities branch of the State Growth department use Reflect to:

- Plan Maintenance Activities.
- Record Facility Defects.
- Record all Facility Maintenance.
- Record all Parts usage in Planned Works, Defects & Accomplishment (including Cost).
- Manage Parts Inventory within three Warehouses across the State.



The screenshot displays the Reflect software interface. The top window, titled 'Planned Works - View', shows a list of planned works with columns for Actual Start Date, Completion Date, Estimated Cost, Actual Cost, Job Number, External Reference, Risk Assessment, Reschedule Frequency, Reschedule Frequency Type, Reschedule Enabled, and Reschedule From Resources. Below this, there is a table for 'Parts' with columns for Part, Description, Part Category, Quantity Unit of Measure, Rate, and Total. The table lists three items: 'conduit 50mm' (2.00 Each, \$13.20, Total \$26.40), 'PITS & PIT LIDS' (1.00 each, \$150.00, Total \$150.00), and 'Pit Lids Small' (1.00 each, \$162.00, Total \$162.00).

The bottom window shows a detailed view of a part, '200mm Hood', with columns for Part, Ware, Inventory, Inventory Up, Sup, Order, Qua, Unit of, and Value. The table lists five items: '200mm Hood' (Launc, 06/02/20, Aldr, 80 each, 731.20), '200mm Hood' (Launc, 06/02/20, Aldr, 80 each, 731.20), '200mm Hood' (Launc, 06/02/20, Aldr, 80 each, 731.20), '200mm Hood' (Launc, 06/02/20, Aldr, 80 each, 731.20), and '200mm Hood' (Launc, 06/02/20, Aldr, 80 each, 731.20).

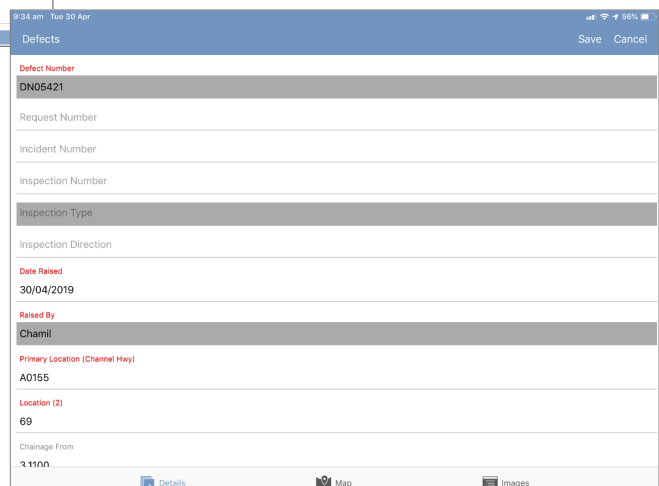
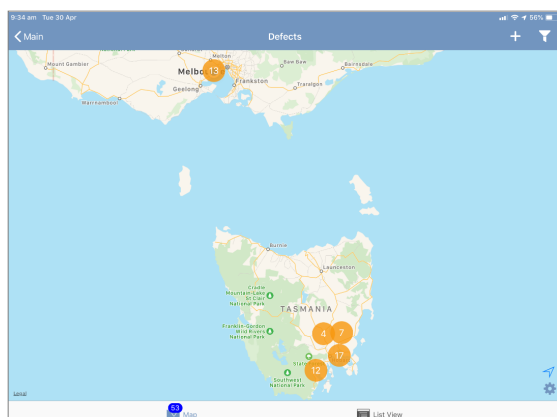
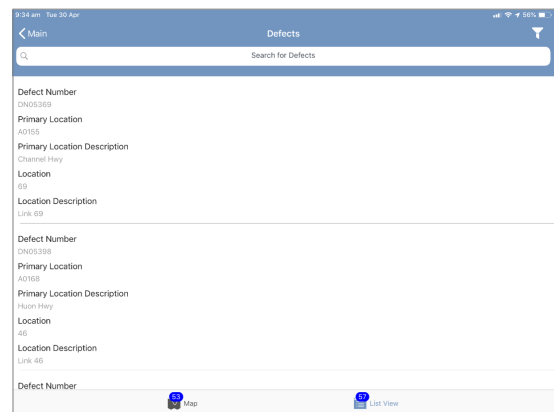
SESSION 14 - iOS



A major project has been undertaken to redevelop the Reflect System from the ground up. This result of this project is a new application framework that provides a more consistent look and feel across all platforms. As a bonus, it also provides the ability to target iOS, android & windows using the same shared code. The technology we have adopted is from Microsoft and is called Xamarin.



- Current Defects Only
- Try now - download from Play Store and login as 'reflect', 'password'



SESSION 15 - Work Flow Notifications

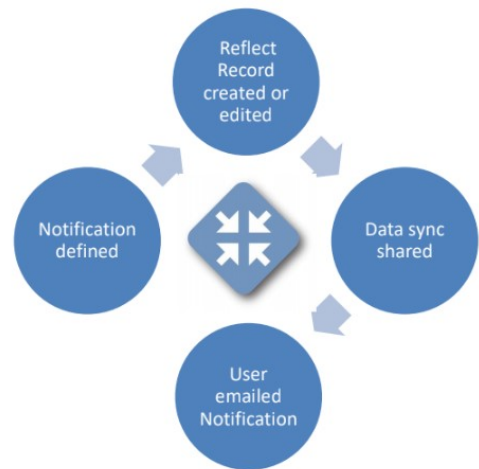
Session Introduction

Reflect Web now provides councils to create and manage workflow notifications based on set criteria and actions.

Create Work Flow Notifications

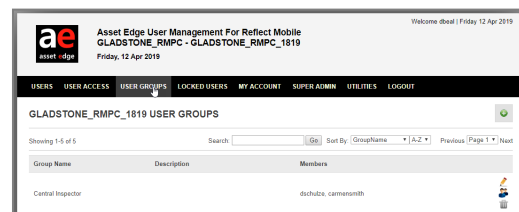
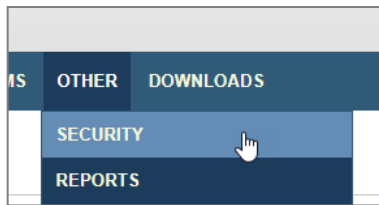
The tools list below are available through the Web version of Reflect.

<https://reflect.assetedge.com.au/Home/Login>



- User Groups**

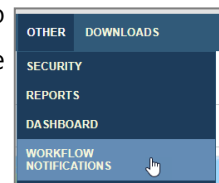
These are used in both Workflow notifications and scheduled reports to define who receives the information, this can be a single user or multiple. Groups are managed by database Admin users.



- Work Flow Notification**

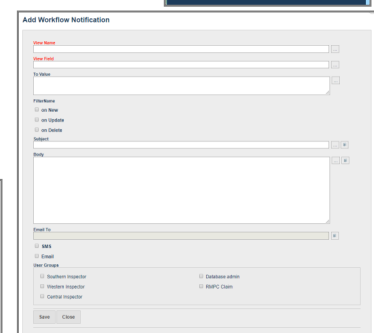
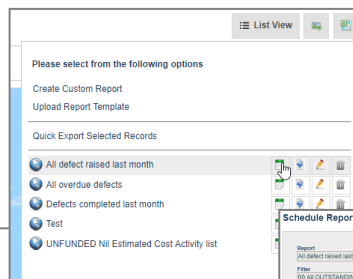
An action in Reflect triggers a notification (email and soon SMS) to be sent to a 'User Group'. This email can be setup to include information from the related record.

i.e. the Defect Number, Location, Chainage from.



- Scheduled Reports**

After creating a report with Web version of Reflect you are now able to schedule this report to be emailed to a User Group at defined intervals of daily, weekly or monthly.



From: Technical Support [mailto:support@assetedge.com.au]
Sent: 8 March 2019 3:47 PM
To: [mailto:support@assetedge.com.au]
Subject: A Defect (SH00024) has been raised within the Reflect System and has been assigned to you.

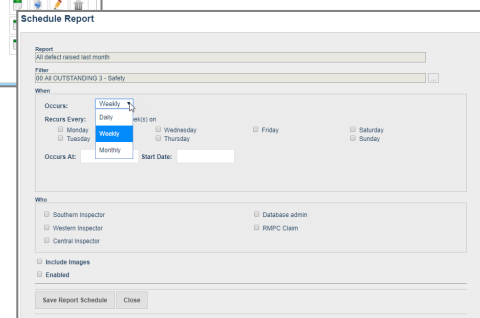
A Defect has been raised within the Reflect System and has been assigned to you. The details are:

Defect Number: SH00024
Defect Type: Carpark Light Not Working
Date Raised: 6/10/2017
Primary Location: 0 Carpark-BERRY
Location: Carpark Surface - ALBERT ST

Comments: Lighting not working behind IGA in Albert Street Car Park. Engage electrical contractor to investigate, identify & repair as per instruction.

Thankyou,

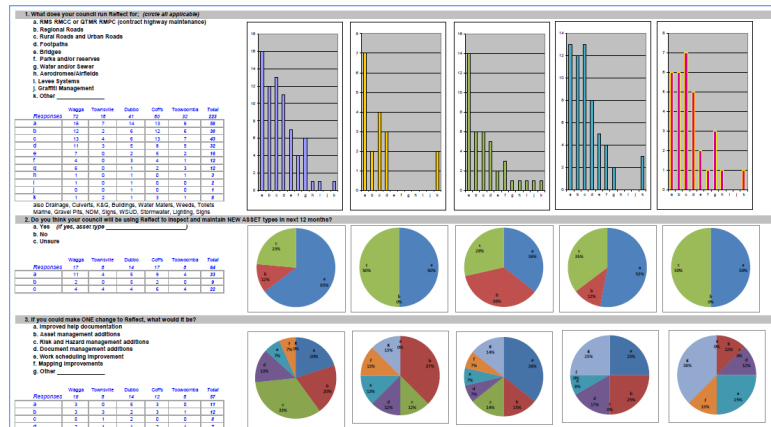
The Reflect System
Asset Edge Pty Ltd



SESSION 16 - Survey Results and Asset Edge Support

Survey Results

The annual user group survey provides Asset Edge with extremely important information. Over a decade of responses to a standard set of questions, your input has assisted in shaping the development and Support services for all users. We thank you! We will post up a full set of results on the Asset Edge website following the final conference at Coffs Harbour UGC.



Asset Edge staff are continually providing onsite training for all the software solutions - the most effective delivery is at your own council using your own data.

Visit the website for options or call 1300 219 552 to arrange a customised agenda to suit the needs of your organisation.

If council is considering increasing the use of Reflect into other Asset Classes and needs Asset Edge to present, we are happy to do this at no cost at a convenient time.

On the 29 March 2019 Civica, one of Australia's leading suppliers of critical software applications, digital solutions and managed services announced the acquisition of Asset Edge. The combination of Civica and Asset Edge is an exciting development for our customers, partners and employees, providing a stronger capability while maintaining the focus and flexibility to respond to our customers' needs.



The size and scale of Civica both here and globally gives us an excellent platform to grow our business in a way that wouldn't have been possible as a stand-alone company. The entire Asset Edge team look forward to working with the Civica Group on our exciting plans for the future in providing all current and new customers with leading mobile solutions and levels of service that are needed to manage assets in any type and scale of an organisation.

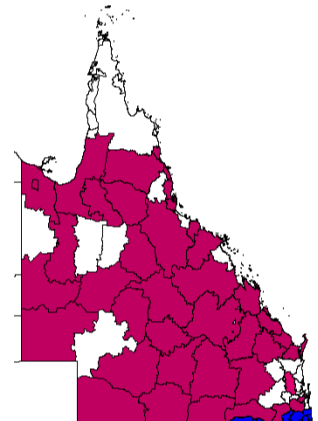
SESSION 17 - (QLD) RMPC UPDATE

At the time of the 2019 conference 41 RMPC councils in Queensland are using Reflect to manage the RMPC with several other showing strong interest.

All Reflect RMPC councils are using the new Defect IL/RT model and specification. With no major changes to the RMPC for 1920, Asset Edge will be focusing on improvement to Council - TMR reporting and also a smooth transition from 18/19 to 19/20.

The major RMPC specific enhancements for next year in Reflect are;

- Making RMPC reporting available on the Web.
- History Reporting.
- Work Flow notification & Scheduled Reporting.
- Post completion trigger in Defects for the Risk Assessment.
- Updated Schedule Change control sheet - TMR template.
- Integration with Vigil (TMR Surveillance Software).



SESSION 17 - (VIC) Reflect

There are currently 7 Reflect sites within Victoria (with Benalla coming online in the new financial year). This session focuses on each of these sites and their use of the system. We will take this opportunity to share ideas, successes, failures, challenges, and learn from one another.

Moorabool

26 users

TREES, BUILDINGS, BRIDGES, ROADS, PATHS, ELC, OPENSACES, SLASHING, STREET CLEANING, VEGETATION, PUBLIC AMENITIES

Primary Representative: Lace

Swan Hill

25 users

BUILDINGS & PLAYGROUNDS, DRAINAGE, ROADS, PARKS & GARDENS, TREES

Primary Representative: Simon

Kingston

5 users

ROADS, BRIDGES

Primary Representative: Robin

Loddon

60 users

BUILDINGS, ROADS, WEEDS

Primary Representative: Anne

Manningham

27 users

ROADS, BUILDINGS, AQUATIC CENTRE, TREES, SWEEPERS

Primary Representative: Shaun & Brendan

Horsham

34 users

ROADS, FOOTPATHS, OPENSACES, WASTE

Primary Representative: Govind

Cardinia

76 users

BRIDGES, BUSHLAND RESERVES, DRAINAGE, FOOTPATHS, MOWING, ROADS, OPENSACES, SIGNS, SWEEPERS, TOWN MAINTENANCE

Primary Representative: Patrick

2019 User Group Conferences

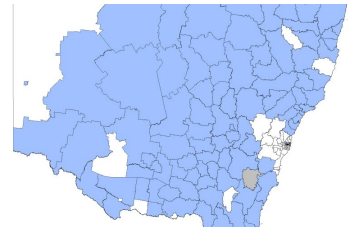
MAROOCHYDORE | ROCKHAMPTON | TOWNSVILLE | BALLARAT | WAGGA | ORANGE | COFFS HARBOUR



SESSION 17 - (NSW) RMCC

At the time of the 2019 conference all 69 RMCC councils in New South Wales are using Reflect to manage the Road Maintenance Council Contract.

All Reflect RMCC councils are using the current 2014 M3 Specification Defect IL/RT model and capturing Reactive Maintenance Defects, Accomplishment and Inspections. The 2019 update to M3 Specification has been postponed by RMS.



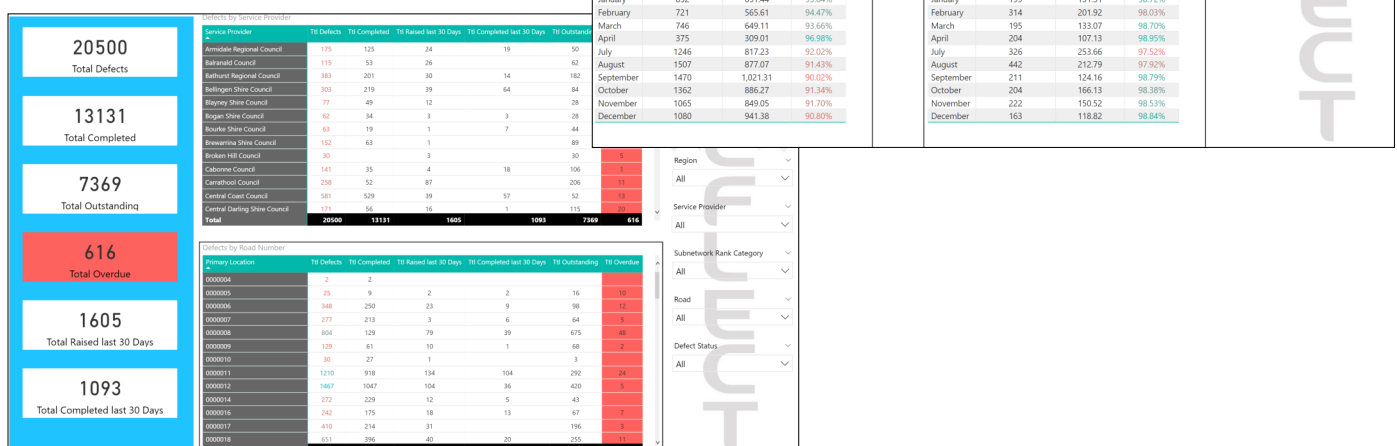
RMCC changes next year in Reflect are;

- History Reporting (Web)
- Scheduled Reporting (Web)
- Multi-Database Reporting
- Updated Inspection Modelling (Multi-Year)
- Updated Defect IL/RT Model
- Updated Activity Rectification Model
- ROL/SZA Additional Functionality



Modelling Changes for consideration

- Additional Work Groups
- Heavy Patching
- Work Order enhancements
- RMAP Functionality



Asset Edge will again be holding single day RMCC training during July across NSW for Inspectors and management staff based on the current specification. When RMS (Transport NSW) indicates the Updated specifications will be rolled out we will be holding sessions

Invitations for training will be emailed out in early June. For all other information on RMCC contact Darren Simpson dsimpson@assetedge.com.au

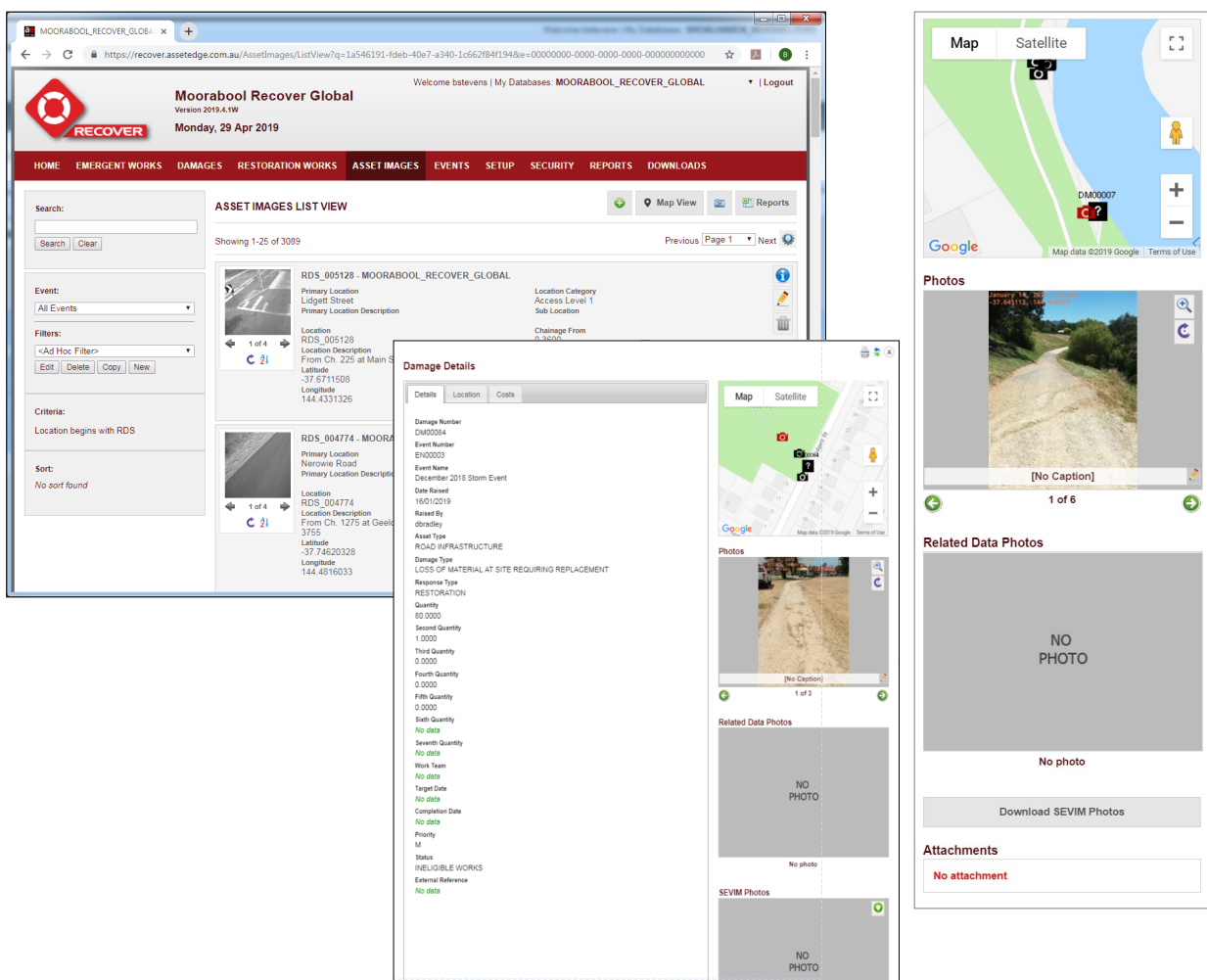
SESSION 18 - SEVIM

Session Introduction

With the rapid uptake of 'dash cams' and related technology it is becoming increasingly important to be able to store and analyse large quantities of video. Furthermore, this video can contain spatial data, thus enriching it even further. Asset Edge has developed a spatial image management system that is not only capable of storing large image files for long periods of time but also provides powerful tag and search facilities for rapid analysis and reporting. Integrating these features with the Recover and Reflect Software Systems then provides capabilities previously only dreamt of.

One example in the use of this is Moorabool Shire Council's use of Asset Images within the Recover System. Over half a million images of all paths in the Moorabool Shire have been stored within Recover. These images have been catalogued by the SEVIM System and are now available as pre-condition proof (amongst other uses).

We are currently uploading almost a million images of the entire road network for access via web or through the SEVIM catalogue process.



The screenshot displays the Moorabool Recover Global web application interface. The main header shows the application name and version (2019.4.1W) along with the date (Monday, 29 Apr 2019). The navigation menu includes options like HOME, EMERGENT WORKS, DAMAGES, RESTORATION WORKS, ASSET IMAGES, EVENTS, SETUP, SECURITY, REPORTS, and DOWNLOADS.

The **ASSET IMAGES LIST VIEW** section shows a list of images with details such as RDS_005128 - MOORABOOL_RECOVER_GLOBAL, Primary Location (Lidgett Street), and Location Category (Access Level 1). It also includes a search bar and filters.

The **Damage Details** section provides a comprehensive overview of a specific damage event, including the Damage Number (DM00054), Event Number (EN00003), Event Name (December 2018 Storm Event), Date Raised (18/01/2019), Raised By (stradey), Asset Type (ROAD INFRASTRUCTURE), Damage Type (LOSS OF MATERIAL AT SITE REQUIRING REPLACEMENT), Response Type (RESTORATION), and various quantities (First Quantity: 80.0000, Second Quantity: 1.0000, etc.). It also lists related data photos and SEVIM Photos.

The interface includes several map views and photo galleries. The **Related Data Photos** section shows a gallery of photos with a caption "[No Caption]" and a "Download SEVIM Photos" button. The **Attachments** section indicates "No attachment".