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**BRAMS to SAP**

**View Extracts Enhancements**

**Date**

**September 2014**

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# Overview of BRAMS to SAP View Extract Enhancements

BCC has request Bentley to modify the Equipment attribute views for SAP characteristics found in the document AIM - System - BRAMS - BRAMS to SAP View Extracts - Requirements Specification v1.3 Dated 4 4 2014.pdf (An excerpt of the relevant section can be found in appendix A.)

This estimate is intended to cover the enhancements to the BRAMS to SAP View Extracts and will address the upcoming business need of Pavement Forecasting Modelling.

# Overall Implementation

BCC has request that Bentley modify the existing code to add this additional functionality. The modifications that are required are the addition of an effective date to the output and the ability to limit output to items that fall between two dates.

## Implementation Technical Overview

The following changes have been identified:

1. The input of the procedure needs to be have optional start and end dates added as inputs.
   1. If both are null then the output is assumed to be for items effective as of the current date (and this is the existing behaviour)
   2. If only end date is null then the start date is used as the effective date.
   3. If both are filled in then the output is filtered based on the following rules
      1. All Survey and Inventory item data is returned between those dates (inclusive) where Start date is equal or greater than the specified start date and end date is less than or equal the specified end date.
   4. An error will be thrown if the end date is not greater than the start date
2. The output needs to be modified include a fields for Extract\_Start\_date and Extract\_end\_date this will list the start and end dates as listed above.

## Testing and User Acceptance

Bentley will review the output and when it appears acceptable and pass the program to BCC for Acceptance testing.

## Documentation

Bentley will supply an installation guide, this will include a brief description of how to use the procedure.

## Assumptions

* This will be true to the migrated RSI data. Each new survey for a street suburb enddated the existing assets and created new one. This will not be the case moving forward. A field inspection will be carried out on existing assets, the survey will determine if the assets needs to be end dated (no longer there), changed (some attribute), no change or a totally new asset. The only reason an asset will be end dated from a survey is if it does not exist anymore. The only asset that will be definitely end dated (or part of) will be the ESUR.. This may not always be correct, the network could change between dates. Each asset may need to be duplicated (different chainages and dates) for any network changes.Remote Access will be made available to both Development and Test environments. Access may be required outside of business hours to enable Bentley staff from outside of Australian time zones to access the Development and Test environments.
* Bentley will have permissions to install all required software in Development and Test without having to provide detailed technical documentation or training over and above standard product documentation.
* Bentley will provide scripts and installation instructions and BCC will be responsible for implementing into Production.
* Bentley will not be providing technical training to allow BCC staff to perform the same configuration as required for this project. For example, configuring new network types. Customised file extraction, process automation configuration.
* The output of the original View Extracts are correct and no changes are required beyond what is discussed above.
* The software make take a significant amount of time to extract the information require but because this solution is to create an ‘extract’ this will be acceptable.
* All development will occur off site and no travel and accommodation is required.
* Any changes to the scope will be managed by a change request.

# Implementation Pricing

Bentley estimates the effort required to complete this task as:

|  |  |
| --- | --- |
| **Activity** | **Time in hours** |
| Code Modification | 28 |
| Internal Testing | 8 |
| Project Management | 8 |

Bentley recommends that BCC allow a contingency of 25% over this estimate. The Bentley Project Manager will keep BCC informed of progress against this estimate and will not allow more effort than approved to be expended without first conferring with BCC.

This work will be funded via eCredits with the following agreed rates:

|  |  |  |
| --- | --- | --- |
| Resource | Credits per hour | |
| Consultant | 3 | |
| Project Manager / Business Consultant | 3.5 | |
| Trainer | 4 | |
|  |  |
| The cost estimate is therefore:   |  |  |  | | --- | --- | --- | | Activity | Time in hours | eCredits | | Code Modification | 28 | 84 | | Internal Testing | 8 | 24 | | Project Management | 8 | 28 | |  |  |  | | 25% contingency |  | 34 | | Total ECredits estimated |  | 170 | |  |
|  |  |
|  |  |

# Terms and Conditions

Bentley proposes to perform the work outlined in this proposal under the terms and conditions as defined in the actual proposal and the active Bentley SELECT Program Agreement for Brisbane City Council additionally:

* **Expiry:** Pricing, terms, and conditions of this proposal are valid for thirty (30) days from the submission date of this document.
* **Proposal Validity:** This proposal is indicative of timelines and costings at this stage.
* **Consulting Policy:** The consulting services will be provided by a Bentley Systems resource within their domain expertise of the related Bentley products that are required. This estimate does not include any software development work, customization, tools integration, data migration (that requires scripting and other tools) etc. Part of the consulting services may include data and Bentley software preparation, assessment, discussion of work methods and attending any arranged meetings.
* **Expenses Policy:** The consulting services may require a Bentley Systems resource currently located outside of an office local to Brisbane City Council. Should this be the case, all travel expenses (flight and ground transport cost) are charged at cost. Flights are booked on the principle of best price economy fares. No travel is anticipated and will be confirmed with BCC in advance.
* **Cancellation or Change Policy:** To keep scheduled project dates Bentley Systems (Australia) Pty Ltd must schedule resources, book travel etc. If Brisbane City Council reschedules services and notification of a schedule change is received less than two full calendar weeks before the originally scheduled date, Bentley Systems (Australia) Pty Ltd reserves the right to charge, and Brisbane City Council agrees to pay, a rescheduling/cancellation fee of $500 per scheduled person day plus any non-refundable reasonable expenses resulting from such changes. To minimize any such charges, please advise Bentley Systems (Australia) Pty Ltd of any changes as soon as possible.
* **Scope:** The scope of services in each of the Statement of Work would be provided and agreed by Brisbane City Council (BCC). Circumstances unknown to Bentley may require an addition to the proposed scope of services (including additional resources), and will be discussed by the Bentley Program/Project Manager as soon as Bentley becomes aware of any change to the outlined scope.
* At the Consultant’s discretion, the Consultant may engage the advice and assistance of other product/industry experts at Bentley during the term of the consultancy. The Bentley consultant may provide technical assistance to resolve any arising Bentley application issues, and assist to log troubleshoot Service Tickets (STs) and change requests with Bentley Technical Support Group on an as-needed-basis.
* **Terms of Payment:** eCredits will deducted from the BCC eCredit account on the execution of the work. A Statement will be issued monthly provided activity has occurred in the previous month.
* **Applicable Taxes:** 10% GST will be applicable to all pricing and expenses.
* Credit terms are subject to approval by Bentley’s credit department.

All other terms and conditions are as per Professional Services – Exhibit C of the Select Agreement between Brisbane City Council and Bentley Systems Pty Ltd.

# Proposal Acceptance

This proposal for services is submitted and accepted by as indicated below. Please sign and return this proposal, as well as a Purchase Order, to Teena Rowlands. A signed Purchase Order is required before work can begin.

*Submitted by:*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Richard Ellis, Project Manager, Bentley, Date

*Accepted by:*

Signature

Printed Name, Company, Title, Date

# Appendix A – Excerpt of AIM - System - BRAMS - BRAMS to SAP View Extracts - Requirements Specification v1.3 Dated 4 4 2014.pdf

(original numbering has been maintained)



