

# Maintenance Manager

## Release Notes v4.4.0.0 Fix 1

## Introduction

This document defines the changes made to the Maintenance Manager product for fix release v4.4.0.0 Fix 1 and is specifically targeted at end users.

After reading through this document, should you have any further training or consultancy requirements then please contact your **Bentley** account manager.

## Fix Details

Baseline Release	4.4.0.0
Fix Description	Maintenance Manager 4.4.0.0 Fix 1 Patchset.
Prerequisites	
Implementation Instructions	<p>Unzip mai_4400_fix1.zip to a staging folder.</p> <p>Go to the relevant exor\bin directory on the Oracle Application Server and rename the following files:-</p> <p>mai3856.fmx to mai3856_old.fmx</p> <p>Then copy in the new version of this file from the staging folder.</p> <p>Log onto SQL*PLUS as the Highways Owner with the staging folder as the working directory. At the prompt type "START mai_4400_fix1.sql" and press return.</p> <p>Exit SQL*PLUS.</p>
Limitations	None known
Configuration Information	None
How To Test	Recommend full regression test
Rollback Strategy	Initially implement on a test environment

## List of Amended Files

Filename	Version
log_mai_4400_fix1.sql	3.0
mai3856.fmx	4.8
mai_4400_fix1.sql	3.0
v_mai3856_woc.vw	3.0
v_mai3856_wol.vw	3.1

# Software Changes

## Introduction

The Payment Approval form (MAI3856) has been enhanced to include additional detail, and functionality, to help users make informed decisions when carrying out the approval process.

A brief summary of the changes is as follows:

- Additional fields have been added to the Work Order Lines tab, these include
  - Road Description
  - Work Order Originator details
  - Work Order Authoriser Details
  - Original Estimate of the work
  - The percentage difference between the estimate and total value of the work.
- When querying data, the form will initially be restricted to current data by default, with an option to view all data.
- When entering a query in the either the Invoices or Work Order Lines tab, the query will apply to both tabs. For example, if the query is restricted to display details for a Work Order in one of the tabs, both tabs will be restricted to display details for that Work Order.
- Both the Invoices and Work Order Lines tabs have been modified to include 'Order By' buttons at the top of the main column details, allowing for data returned to be ordered by the column where the button has been pressed.
- A Navigator button has been included in both tabs to allow for the Navigator module to be called, displaying details for the currently selected Work Order.

## Screen Changes

### Additional Fields

Fields have been added to the Work Order Lines tab to give the user more information, but with minimum changes to the layout of the form.

The Road Description field has been added next to the Road Id fields as shown below:

Payment Approval form - MAI3856 - DORSET@maidev44.EXDL18 MAI v4.4.0.0

Current lines All Lines

Invoices Work Order Lines

Additional Fields

Works Order	Road Id	Description	Defect	Schedule	Status	Completed	Inv
JB_TEST/11	1200A30 N/0032	JCT B3092, EAST STOUR, TO JCT C106, TO STOUR RC			PART PAID		A
JB_TEST/12	1200A3052/00145	JCT FAIRFIELD ROAD, LYME REGIS, TO LYME REGIS			PART PAID		A
JB_TEST/17	1200C915/00933	SUTTON ROAD - JCT PLAISTERS LANE TO JCT A353, V	361520		COMPLETED	24-FEB-2010	O
JB_TEST/18	1200A35 X/0071	GROVE ROAD R/A, CHRISTCHURCH	361521		COMPLETED	24-FEB-2010	O
JB_TEST/18	1200A35 X/0071	GROVE ROAD R/A, CHRISTCHURCH	361521		COMPLETED	24-FEB-2010	O
JB_TEST/25	1200A30 N/0039	HALF MOON R/A, SHAFTESBURY	361522		COMPLETED	25-FEB-2010	O
JB_TEST/26	1200A30 N/0039	HALF MOON R/A, SHAFTESBURY	361522		COMPLETED	25-FEB-2010	O
JB_TEST/27	1200C907/00905	ELWELL STREET - JCT B3159 TO JCT DORCHESTER F	361523		COMPLETED	25-FEB-2010	O
JB_TEST/28	1200C907/00905	ELWELL STREET - JCT B3159 TO JCT DORCHESTER F	361523		COMPLETED	25-FEB-2010	O
JB_TEST_2/1	1200A353 P/0093	KING STREET - ESPLANADE MINI R/A TO KING'S R/A,			COMPLETED	04-APR-2008	O

Additional Fields

Navigator

Payments

WOL Id	Claim Value	Payment Id	Value	Payment Date	Claim Date	FIS Reference	Fin. Year	Claim Ref	App'd	Held	Paid
473985	600.00	35365	600.00	06-MAY-2008				JOTEST00005			

The *Claim Ref.* Field has also been added to the *Payments* panel.

A scroll bar has been added to accommodate the remainder of the user and cost information, with the Work Order column remaining anchored for context, when scrolling through the additional details.

Payment Approval form - MAI3856 - DORSET@maidev44.EXDL18 MAI v4 4.0.0

Invoices Work Order Lines

Additional Fields

Costs:

Works Order	Inv	Actual	Estimated	Difference	%Diff	Balance	Pd to Date	Originator	Authorise
JB_TEST/11	A	600	1200	-600	-50	0	600	SYS	SYSTEM ADMINISTRATOR
JB_TEST/12	A	600	2400	-1800	-75	0	600	SYS	SYSTEM ADMINISTRATOR
JB_TEST/17	O	500	500	0	0	500	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST/18	O	200	200	0	0	200	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST/18	O	400	400	0	0	400	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST/25	O	200	200	0	0	200	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST/26	O	500	750	-250	-33	500	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST/27	O	600	600	0	0	600	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST/28	O	1950	1950	0	0	1950	0	SYS	SYSTEM ADMINISTRATOR
JB_TEST_2/1	O		1128.18		-100		0	SYS	SYSTEM ADMINISTRATOR

Users:

Navigator

Payments

WOL Id	Claim Value	Payment Id	Value	Payment Date	Claim Date	FIS Reference	Fin. Year	Claim Ref	Appr'd	Held	Paid
473985	600.00	35365	600.00	06-MAY-2008				JOTEST00005	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Payment Approval form - MAI3856 - DORSET@maidev44.EXDL18 MAI v4 4.0.0

Invoices Work Order Lines

Additional Fields

Users:

Works Order	Balance	Pd to Date	Originator	Authorised By
JB_TEST/11	-50	0	600	SYS
JB_TEST/12	-75	0	600	SYS
JB_TEST/17	0	500	0	SYS
JB_TEST/18	0	200	0	SYS
JB_TEST/18	0	400	0	SYS
JB_TEST/25	0	200	0	SYS
JB_TEST/26	-33	500	0	SYS
JB_TEST/27	0	600	0	SYS
JB_TEST/28	0	1950	0	SYS
JB_TEST_2/1	-100		0	SYS

Navigator

Payments

WOL Id	Claim Value	Payment Id	Value	Payment Date	Claim Date	FIS Reference	Fin. Year	Claim Ref	Appr'd	Held	Paid
473985	600.00	35365	600.00	06-MAY-2008				JOTEST00005	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Data Retrieved

Two radio buttons have been introduced, one to display all data and one to display current data i.e. excluding works that have been 'Paid' or superseded and 'Held'.

Current lines ☒ All Lines ☐

The radio buttons will apply to both the Invoices and Work Order Lines tabs.

### Data Retrieved

When a query is entered into either the Invoices or Work Order Lines tabs, both tabs will be synchronised to contain the appropriate data in each tab relating to the query entered.

### Ordering Data

Once some data has been queried back into the form the user may select the 'Order By' buttons at the top of each column to order the data either ascending or descending within the column.

Payment Approval form - MAI3856 - DORSET@maidev44.EXDL18 MAI v4.4.0.0

Current lines ☒ All Lines ☐

Invoices Work Order Lines

Order By buttons

Works Order	Road Id	Description	Defect	Schedule	Status	Completed	Inv
JB_TEST/11	1200A30 N/0032	JCT B3092, EAST STOUR, TO JCT C106, TO STOUR RC			PART PAID		A
JB_TEST/12	1200A3052/00145	JCT FAIRFIELD ROAD, LYME REGIS, TO LYME REGIS			PART PAID		A
JB_TEST/17	1200C915/00933	SUTTON ROAD - JCT PLAISTERS LANE TO JCT A353, \	361520		COMPLETED	24-FEB-2010	O
JB_TEST/18	1200A35 X/00714	GROVE ROAD R/A, CHRISTCHURCH	361521		COMPLETED	24-FEB-2010	O
JB_TEST/18	1200A35 X/00714	GROVE ROAD R/A, CHRISTCHURCH	361521		COMPLETED	24-FEB-2010	O
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JB_TEST/28	1200C907/00905	ELWELL STREET - JCT B3159 TO JCT DORCHESTER F	361523		COMPLETED	25-FEB-2010	O
JB_TEST_2/1	1200A353 P/0093	KING STREET - ESPLANADE MINI R/A TO KING'S R/A,			COMPLETED	04-APR-2008	O

Payments

WOL Id	Claim Value	Payment Id	Value	Payment Date	Claim Date	FIS Reference	Fin. Year	Claim Ref	App'd	Held	Paid
473985	600.00	35365	600.00	06-MAY-2008				JOTEST00005	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
									<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

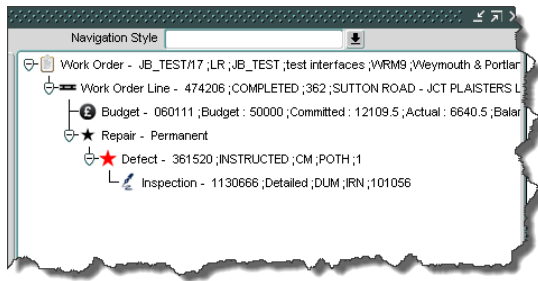
Navigator

### Navigator

The Navigator button

Navigator

has been added to the form, to display the Work Order Line, and all associated data providing the user has the appropriate permissions. For example:



## Log No. Summary

This chapter summarises all software changes that have been made in this release.

These changes are derived from the following sources,

- Issues raised by Customers via Bentley Support
- Issues raised internally by Bentley

### Issues

Internal Task ID	Issue	Support Log(s)
0111362	There is a requirement by the customer to add additional fields, and functionality, to the Payment Approval form (MAI3856)	