

DRFA Victoria - Pre-disaster asset condition assessment report

Reference:
Guideline 2 - Damage Assessment Appendix E

Form VF-E-CA

Delivery Agency (DA): Moorabool Shire Council Claim reference (ARGN number): 970

Claim type: Repaired after storm damage to road surface

DRFA eligible event name: December 2018 Floods

Asset name: Ballan Egerton Road - Works management

Asset geographical location: Ballan

Assessment start longitude: 146 35 Assessment start latitude: 36 31

Assessment end longitude: 146 41 Assessment end latitude: 36 44

Assessment date (start): 10/01/2019 Assessment date (completion): 14/01/2019

Explain the severity of this declared event (i.e. using closest official rainfall records) and observations on how this asset was damaged by the eligible disaster event.

Extract from BOM:

- In December 2018, Victoria was wetter than average, largely due to the record rainfall in the middle of the month.
- Statewide, December rainfall was 50% above the long-term December average of 47.4 mm
- Many sites also had their highest total December rainfall on record or highest total December rainfall since at least 1995, including Comadai, Bacchus Marsh, Mt Edgerton, Ballan and Greendale
- Ballan Weather Station No 87006 recorded 49.7mm of rain over 13th, 14th and 15th December 2018

The rainfall from this storm event caused significant flooding of the Ballan area resulting in multiple road closures and widespread road/infrastructure damage.

The intensity of the rainfall meant that the shoulder was significantly scoured at the edge of the seal during the storm event.

On what basis has it been determined that the damage being claimed from the eligible event was not evident prior to the eligible disaster event?

- On 13th December 2018 Ballan Egerton Road was open for public use; on 15th December the road had sustained extensive damage and was subsequently hazard signs installed adjacent to scours.
- Ballan Egerton Road was inspected by Council's Road Inspector on 14 Aug 2018; the result of that inspection identified "nil" hazards/issues with the road that represented a hazard that would impact on the performance of the road (refer attached "190626 RDS003819 Inspection Report MMS")
- Council's road maintenance unit performed a maintenance grade on the road shoulders on 29 May 2018, following which the road was presented to the public in a safe and fit-for-purpose state. Inspections of all affected areas across the municipality were undertaken by a senior engineer, damages logged within the Recover software and assessment made to the extent of damage that was attributed to the storm. A review of the maintenance and inspection logs was undertaken to determine if the damage was pre-existing or not. In this case the damage has been assessed as a result of or worsened the storm event.

For each of the asset categories (i.e. road, drainage, structure, road furniture), where damage is being claimed, provide an overview of the frequency and results of any asset condition assessments or surveys that were undertaken prior to the eligible disaster event.

Ballan Egerton Road RDS003819 is an "Access Level 1" on the Moorabool Shire Council Road Hierarchy. Moorabool RMP requires inspections at a rate of - 1 inspection every 12 months (refer MSC Road Management Plan) for this road category

Maintenance Grading/Potholing regime - where a pavement surface defect is registered through the Road Hazard Inspection regime or the CRMS the response time is 3 months (refer Road Management Plan);

For each of the asset categories where damage is being claimed, detail the most recent inspection/defect identification (maintenance log) undertaken prior to the eligible event. (Provide copies of the relevant inspection records or maintenance logs as attachments to this report).

- Ballan Egerton Road was inspected by Council's Road Inspector on 14 Aug 2018; the result of that inspection is attached "190626 RDS003819 Inspection Report MMS"
- Council's road maintenance unit performed a maintenance grade on this road shoulders on 29 May 2018 evidence of that work input is attached "190628 RDS003819 Maintenance Report MMS." Although this RDS does not reflect in the report this section was attended at the same time as the entire road is inspected during maintenance activities and deemed fit for purpose.

Provide details of the type of maintenance activities or upgrade works that have been undertaken on the asset in the 12 months prior to the eligible disaster event.

Road Inspections on 14 Aug 2018.
Maintenance Grading of Gravel Shoulders on 29 May 2018

Conducted by (Delivery Agency to complete)

I can confirm that the above-mentioned information is true and accurate

Name: David Hudable
Position: Project Engineer
Qualifications: BCIVENENG
Assessment date: 1/07/2019
Signature: 

Verified by (Delivery Agency to complete)

I can verify that the above mentioned information is true and accurate and the information substantiates that the damage being claimed is a direct result of the activated disaster event

Name: Tristan May
Position: Coordinator Capital Works
Qualifications: BENG
Assessment date: 1/07/2019
Signature: 

Assessed by (Assessing Authority to complete)

Based on this report and supporting information I believe there is sufficient evidence to support the substantiation that the damage being claimed is a direct result of the activated disaster event.

Name: BRUCE ANDREWS
Position: ASSESSOR
Qualifications: DIP CIVIL ENG.
Assessment date: 30/10/2017
Signature: 