Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Springs Road, Fairdale CH: 2670 - 2680	Existing culvert showing signs of movement. Severe erosion adjacent to existing road >2m drop off to existing structure.	Excavate and repair / replace existing culvert structure. Design and install concrete retainment wall or battered gabion wall structure to reduce erosion potential to adjacent road.	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
May 9, 2022 -26.263873, 56289 Spr			19 May 2022 at 4:33:54 pm Spring Creek. CH 3190
9, 2022 6, 264576, 30288 Suita	10:14 am (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Burnett Street, Kingaroy CH: 600 - 715	Substantial road base and seal failure.	To be re- constructed under REPA	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
May 25: 2 26 53458	022 2:29	2328 CAPT (King	
		分 拉	

load / Asset lame	Damage Details	Betterment Options	Previous Damage/ Event Details
Villiams Road, Benarkin North BH: 5470 - 5500	Extensive Damage to Floodway access & egress	Extend Floodway 10m in both directions to minimise potential future damage from creek / drain overflow	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 20 May
2 10 10 10 10 10 10 10 10 10 10 10 10 10	159455 159455 1894 Road	5500, 0	
arch 9, 202 26, 8487 (c. 6673 + Wi	2 8 25 an 152 59/92 Cams Road	5470.0	
0.5			

Road / Asset	Damage	Betterment	Previous Damage/ Event Details
Name	Details	Options	
Dip Road, Windera CH: 370 - 390	Extensive Damage to Floodway	Extend Floodway 10m in both directions to minimise potential future damage from creek / drain overflow	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May





Dood / Asset	Damana Batalla	Detterment	Described Demonstrate Described
Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Dip Road, Windera CH: 420 - 470	Extensive Damage To Floodway	Install Concrete Surface to Floodway 380 - 400 = 20 x 5 x .15 = 15m3 Gravel resheet 100 - 30 x 5.5 x.1= 16.5m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
36 131 - 212 - 253 3 3 3 3 3 3 3 3 3	55 ic. 25 ic. 25 ic. 26 ic. 27 ic. 28 ic.		

Road / Asset	Damage Details	Betterment	Previous Damage/ Event Details
Manumbar Road, Murgon CH: 15660- 15690	Washouts on approach and exit from existing causeway	Extend Floodway 10m in both directions to minimise potential future damage from creek / drain overflow	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
December 102 0 Sister January 155 Sister 155 Sist	094 0a0 15670.0 041 ad 15670_D 3012 0a0 15660.0		

Road / Asset	Damage Details	Betterment	Previous Damage/ Event Details
Name Manumbar Road, Sandy Ridges CH:16250	Washouts on approach and exit from existing causeway	Options Extend Floodway 10m in both directions to minimise potential future damage from creek / drain overflow	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
Februs (7 2022 -26, 49 250, 152, 1 55553 Wentumber	28 pp 15 13:01 Road 162:00:0		
1-ebi vary 2 2022 6 491294 152 95553 Wahunibar	3 30 pm 15161 Road 1-16260 0		

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Maidenwell Upper Yarraman Road, Maidenwell CH: 150 – 150	Washouts on approach and exit from existing causeway	Extend Floodway 5m in both directions to minimise potential future damage from creek / drain overflow	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
Mey 17, 2022 11, 2026, 861848, 151.80 a5572 Mai denovel a		pad 10964.0	

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Gooyong Street, Kingaroy CH: 420 - 470	Manhole and pipe is full of water again Installed barricading moved storm water lid to push water out to the gutter	Excavate and Replace Urban Stormwater detailed scope to be developed	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



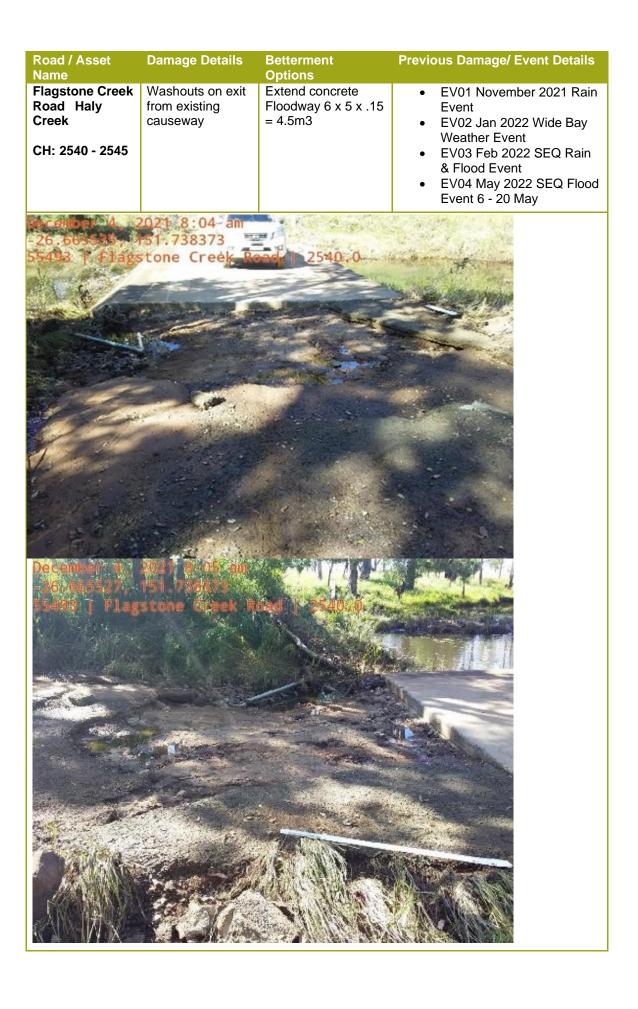
Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Mt McEuen Road, Mount McEuen CH: 400 – 420	Washouts at drainage structure	Improvement of Batter Protection and construction / installation of head walls	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May

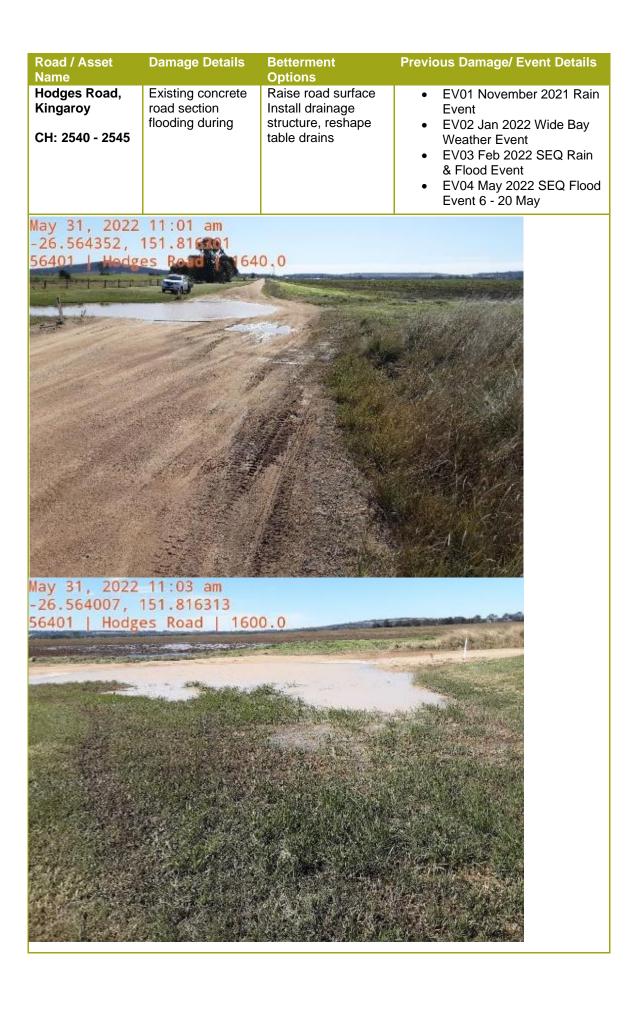


Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Arthur Street West (Should this be East ?), Nanango CH: 20 - 60	Concrete failing under seal causing seal failure	Replace Concrete Floodway Surface 30 x 6 x .2 = 36m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
26.679806 5.7713 T Art	022 10:31 am nur street	St / 30.0	
26 76 7 ALT	127. 3 P P P P E E		

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Rail Trail, Benarkin CH: 80- 139	Rail trail washed away not impeding the road but very soft under foot Shoulder scouring	Supply and install rock protection adjacent to water course, Bulk fill with imported material and compact behind rock protection	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
May 26 30 -26.889748 56120 Sc	02 0 45 am 52 13344 ott Street	2 (Benarkin)	80.0

Road / Asset **Previous Damage/ Event Details Damage Details** Betterment Name **Options Greenview Road** Install Concrete Erosion between EV01 November 2021 Rain / Dingo Creek road surface and between existing **Event** Carpark, drain headwalls headwalls and EV02 Jan 2022 Wide Bay Wondai sealed road surface Weather Event Greenview to prevent future EV03 Feb 2022 SEQ Rain erosion & Flood Event CH: 620 - 640 EV04 May 2022 SEQ Flood Event 6 - 20 May 2021 8:10 am





Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Belle Street, Kingaroy CH: 360 - 390	Substantial road base and seal failure	Propose full width crazing in pavement, suggest will deteriorate once the base and sub base dry out	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Lamperds Road, Memerambi CH: 240 - 250	Erosion between existing concrete road surface and drain headwalls	Propose extension of existing concrete to align with existing headwalls LHS 5 x 1.5 x .1 = .75m3 - RHS 5 x .75 x .1 = .375m3 plus Rock protection RHS 5 x 1 x .5 = 2.5m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Recreation Drive, Memerambi CH: 3560 - 3570	Seal washed out across Road	Propose reshape table drain x 50m, and upgrade of 2 x 375 x 8m drainage pipes to 450mm to manage volume of water for this site	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Kings Bridge Road, Wyalla / Sandy Ridges CH: 420 - 460	Road surface washed out exposing Causing damage to existing concrete causeway and approaches	Propose 10 x 5 x .15 concrete 7.5m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
6 137 1 Why 5 1	Talls Road		

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Kings Bridge Road, Wyalla / Sandy Ridges CH: 220 - 240	Road surface washed out exposing existing drainage pipes and headwalls	Propose 10 x 5 x .15 concrete 7.5m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
December 6, 202 26, 46,68 (1, 202 -26, 46,9614, 152 56137 E Kings Br	056256		

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Pedersens Road, Dangore CH: 400 - 430	Existing rock base and geofabric washed out across waterway	Propose 30 x 5 x .15 concrete causeway = 15m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
December 4 2021 36.390497, 151.6 34959 Redersens 22.300497 151.6 35959 Redersens 23.300497 151.6 35959 Redersens	10:24 an		

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Mondure Crossing Road, Glan Devon CH: 3400 - 3380	Road flooded at low point	Propose 2 x 375 RCP x 8m + 2 x double 375 Headwalls Build road up x 500mm at current low point - Bulk fill 40 x 6 x .3 = 72m3 plus HFG75 x 40 x 6 = 240m2	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Jarrards Road, Road washed Pipes desilt. Boondooma out at 6mx.375mx.375=.74	 EV01 November 2021 Rain
drainpipe crossing point due to large volumes of water and sediment blocking drainage structure drainpipe crossing point due to large volumes of water and sediment blocking drainage structure m3 Tdrain hs. 3mx1.5mx.4=1.57m3 Install concrete causeway 5 x 10 x .15 = 7.5m3	 Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset	Damage	Betterment Options	Previous Damage/ Event Details
Name Mercer	Details Causeway /	Reconstruct	EV01 November 2021 Rain
Springate Rd, East Nanango CH: 680 - 690	Floodway Damaged or Destroyed - Concrete causeway not structurally sound - Pipe broken under concrete	Reinforced Concrete 8 x 5.5 x .15 = 6.6m3 Replace Concrete Pipe 8m x .375 Install 2 x .375 Headwalls	 Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May
May 26 2022	3 05 pm		
26,6890SA 56346 Werd	152 .037566 er Spiritingan	Road 680 0	

Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Cushnie Road, Cushnie CH: 1170- 1190	Severe scouring of shoulder on right 3m deep	Grouted Rock / Stone Pitching 10 x 2.5 x .75 = 18.75m3	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May





Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Kearneys Road, Kumbia CH: 7060- 7070	Severe scouring of shoulder on right 2m deep encroaching on sealed road surface Batter washed away 5m x 2.5 x 2 = 25m3 450mm pipe seperation drainage structure undermined"	Repair Drainage structure Bulk fill 5 x 2 x 1.5 = 15m3 Rock protection 5 x 2 x 1 = 10m3"	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May





oad / Asset ame	Damage Details	Betterment Options	Previous Damage/ Event Details
anar Road, pondooma H: 20170-)180	Road surface washed out exposing previous repair works grouted rock - sediment debris silt buildup	"Propose 10 x 5.5 x .15 concrete causeway = 8.25m3 Desilt and Bulk Exc / remove 10x.3x.3=.75m3 Lhs tdrain. 5 x 5 x .4 = 10m3 rhs tdrain. 5 x 3 x .3 = 4.5m3 Total 15.25m4"	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May







Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Stonelands Road, Stonelands - Hivesville CH: 14460- 14480	Road surface damaged, debris and sediment build up at floodway	"Propose 20 x 5.5 x .15 concrete causeway = 16.55m3 to replace existing damaged floodway and extend approaches both ways. Desilt and Bulk Exc / remove 20 x 3 x.3=.18m3 Rhs t- drain. 5 x 2 x .3 = 10m3 lhs tdrain. 5 x 3 x .3 = 4.5m3 Total 22.5m3"	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May





Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Hoopers Road, Taabinga CH: 2150- 2170	Unsealed road surface damaged, loss of materials	Install 20? x 5 x .15 Concrete pad over existing drainage structure	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Iron Pot Road, Kumbia – Chahpinga CH: 43020- 43050	Silt 5x4x.2=10 m3, seal 5x3=15m2 + .1.5x5=7.5 m2; 1 guidepost, 1flood marker	Extend floodaway both sides 10 x 6 x .15	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May





Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Trentham Lane, Okeden – Brigooda CH: 7770- 7790	Scouring, Roack protection washed out	Install 20? x 5 x .15 Concrete pad over existing drainage structure	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Finnemores Road, Redgate – Moondooner CH: 1830- 1835	Scours across road at drain	Install 20 x 5 x .15 Concrete pad over existing drainage structure	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Magees Road, Inverlaw - Benair CH: 1650- 1680	Scours across road at drain and lead ins both sides	Install 30 x 5 x .15 Concrete pad over existing gravel causeway	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May



Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Walkers Road, Ballogie	Scouring loss of materials	Install 30 x 5 x .15 Concrete pad over existing drainage structure	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20
CH: 1150-1180			May





Road / Asset Name	Damage Details	Betterment Options	Previous Damage/ Event Details
Walkers Road, Ballogie CH: 150-170	Scouring loss of materials	Install 20 x 5 x .15 Concrete pad over existing drainage structure	 EV01 November 2021 Rain Event EV02 Jan 2022 Wide Bay Weather Event EV03 Feb 2022 SEQ Rain & Flood Event EV04 May 2022 SEQ Flood Event 6 - 20 May

