

Waterside Residents Association

Mandurah, Western Australia

Working for all four approaches!





Waterside Residents Association

Mandurah, Western Australia

Mandurah Estuary Bridge Duplication Project

WE'RE FOR THE BRIDGE

But We're Stakeholders - Treat Us Fairly!

Do it RIGHT

Do it ONCE

Do it NOW



Traffic Volumes



- **35,962 vehicles per day 2021/2 count** (Lloyd George report “using MR traffic maps”)
Plus recently completed dwellings (~500) to 2024 in Dawesville 
= **approx. 37,000/day in 2024** (includes ~10% heavy vehicles)
= **current avg 34 vehicles/minute - 18hrs/day (4am-10pm)**
Estimated **vehicles in 2041 = 49,721 vehicles/day** (+13,000/day, 26%)
= **future avg 46 vehicles/minute – 18hrs/day (4am-10pm)**
- Current dwellings under construction in Dawesville (~500), with a further slated (~1000) with additional possible development sites currently privately owned.
- Yalgorup National Park Eco-tourism in design bringing additional tourists down from Perth
- Main Roads Bridge to Bridge document 2006 states:
“This road [Mandurah Rd], being six lanes (three in each direction) between the Old Coast Road intersection and Seascapes Boulevard...”

State Planning Policy 5.4 (SPP5.4)

State Planning Policy 5.4
Road and Rail Noise
September 2019

4

Policy Objectives:

- a) **Protect the community from unreasonable levels of transport noise**
- d) **Ensure that noise impacts are addressed as early as possible in the planning process**
- e) **Encourage best practise noise mitigation design and construction standards**

Table 2: Noise targets

Proposals	New/upgrade	Noise targets		
		Outdoor		Indoor
		Day (L _{Aeq} (Day) dB) (6 am–10 pm)	Night (L _{Aeq} (Night) dB) (10 pm–6 am)	(L _{Aeq} dB)
Noise-sensitive land-use and/or development	New noise-sensitive land-use and/or development within the trigger distance of an existing/proposed transport corridor	55	50	L _{Aeq} (Day) 40 (living and work areas) L _{Aeq} (Night) 35 (bedrooms)
Roads	New	55	50	NA
	Upgrade	60	55	NA

What About The Noise? – We’re already well over the limit!

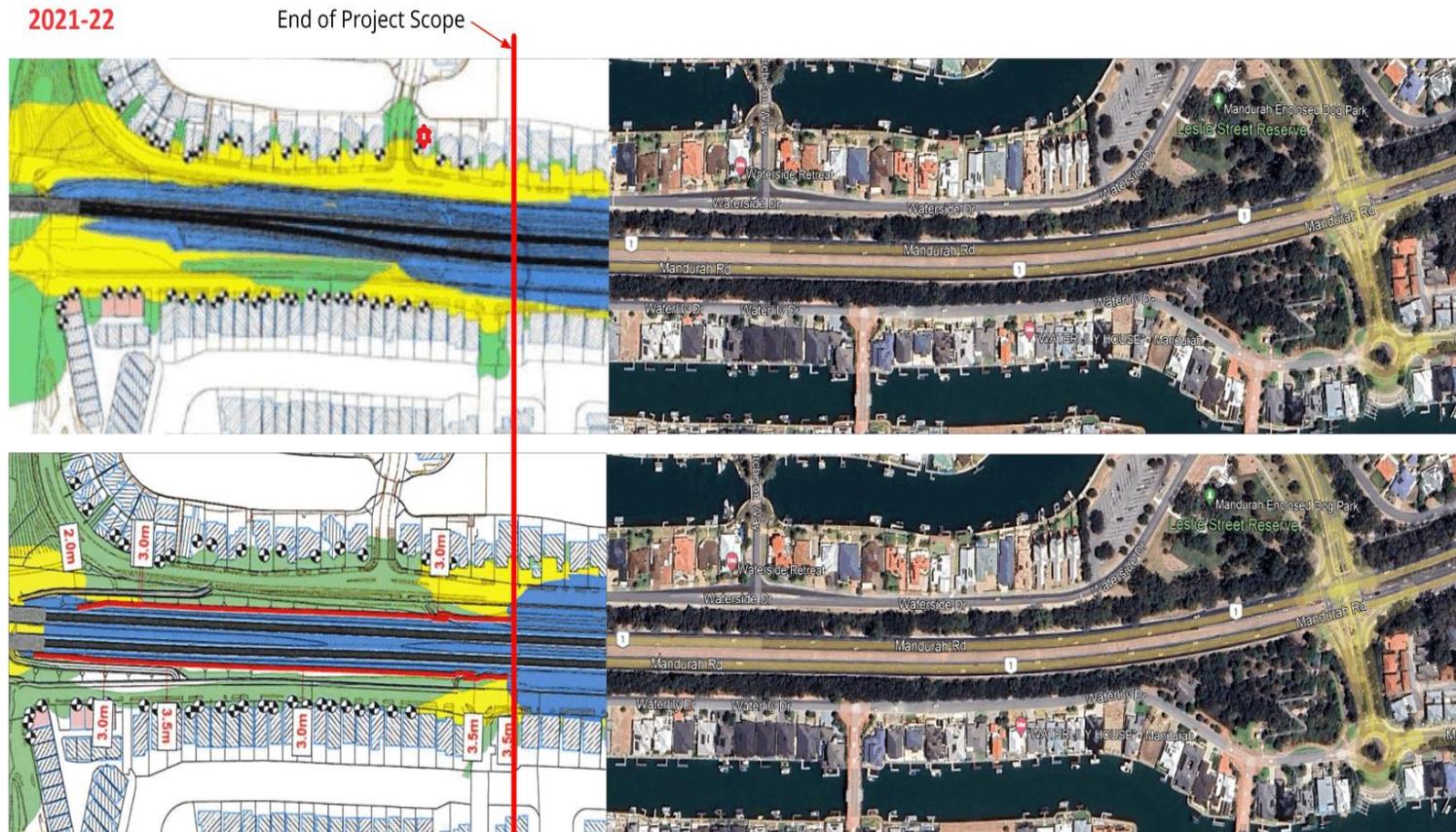


Vegetation 3-5dB
End of corridor
balloon effect!

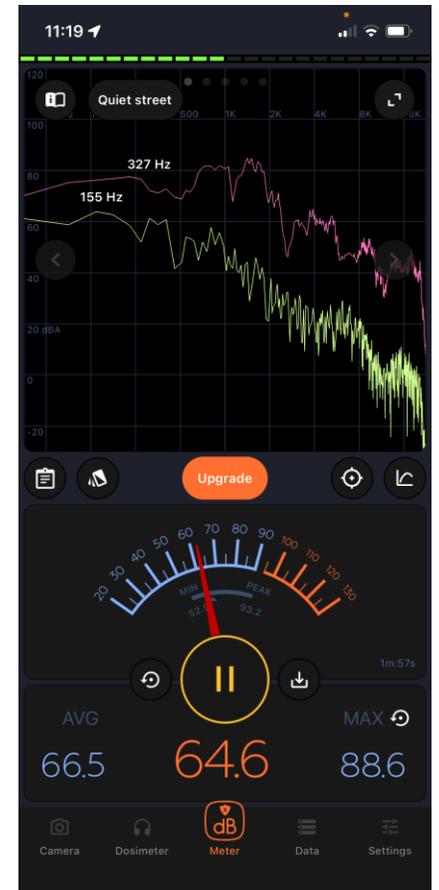
SPP5.4 – states:
55dB = Night max
60dB = Daytime max

85dB = Ear muffs are
legal requirement for
workers.

Noise Before and after Installation of Noise Walls



* 36 Waterside Dr
Wed 20/3/24 11am

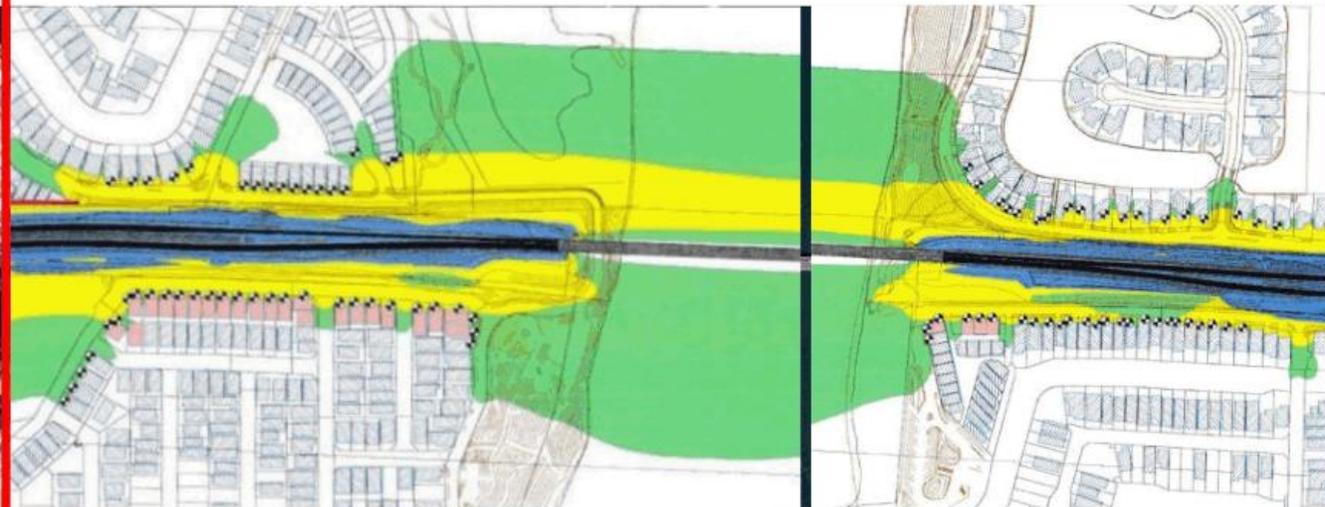


Noise Before and after Installation of Noise Walls

Old Coast Road Lights

Project Scope

Leslie Street Lights

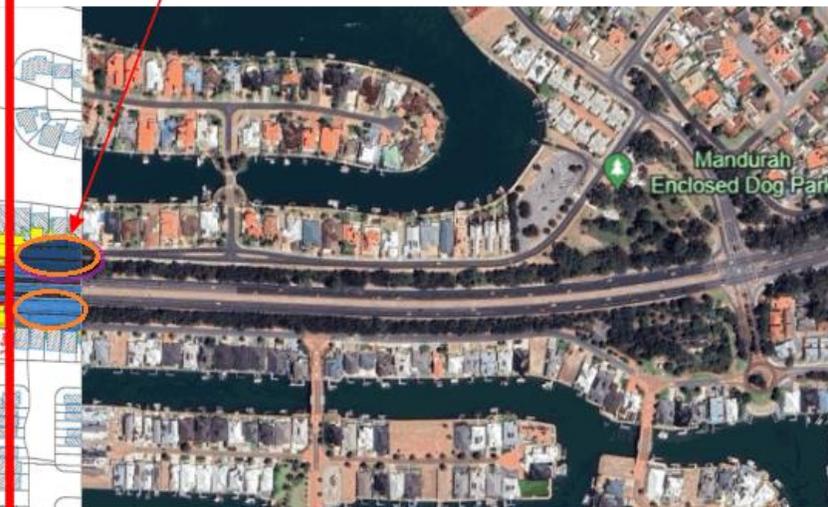
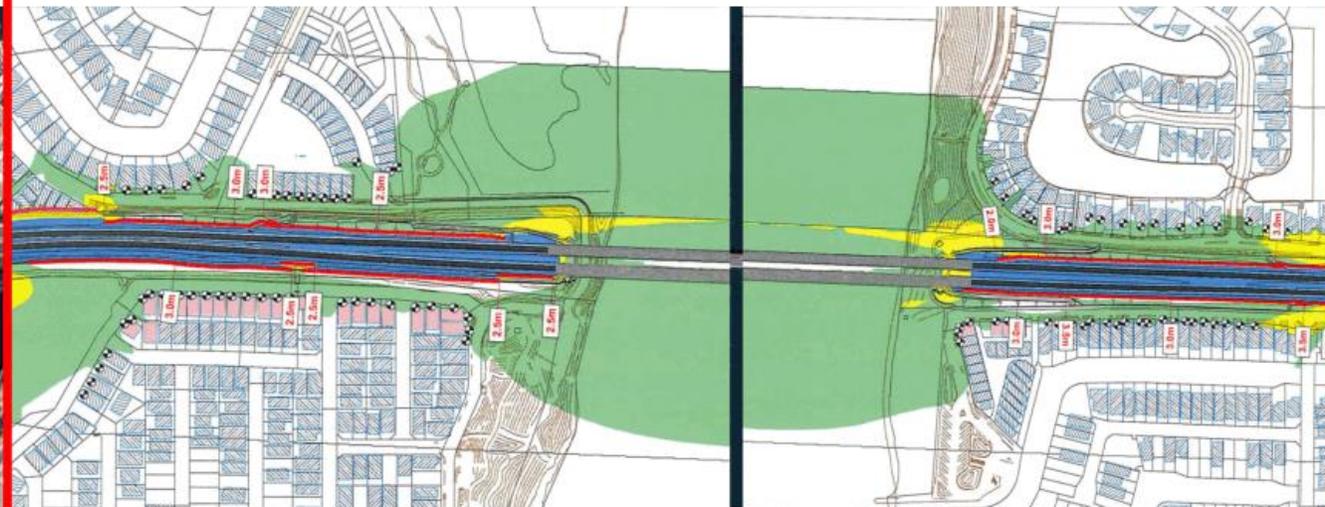


Noise before noise wall 2021 /2022

Waterston Pl
Cleared area ~250m

Estimated noise with minimal increase in traffic in 2041

Waterside ~120m & Waterlily ~50m(?)
Cleared areas



← No noise mitigation →

← No noise mitigation →

What's the Current Plan – West End (Erskine) (85%)

- Noise wall currently stops at orange arrow – orange oval area already cleared
- No noise protection for houses in orange box
- Can now see directly into back yards *



West Side (Halls Head/Erskine) - What we're asking for!

- Continuation of planned noise wall on top of planned retaining wall – red lines
- Current project wall stops at orange arrow (Option 1 starts at red arrow ~250m)
- (Note blue line is existing cycle path,  pink line is new 4m wide cycle path)



What's the Current Plan – East End (Dudley Park) (85%)

- Noise wall currently stops at orange arrows
- Orange ovals land already cleared - ?? about to be cleared
- Cycle entry/exit points moved to end of current wall



East side (Dudley Park) - What we're asking for - Walls

- Continuation of planned noise wall – red lines
- Removed cycle entry/exit paths at orange arrows
- (Note blue line is existing cycle path)



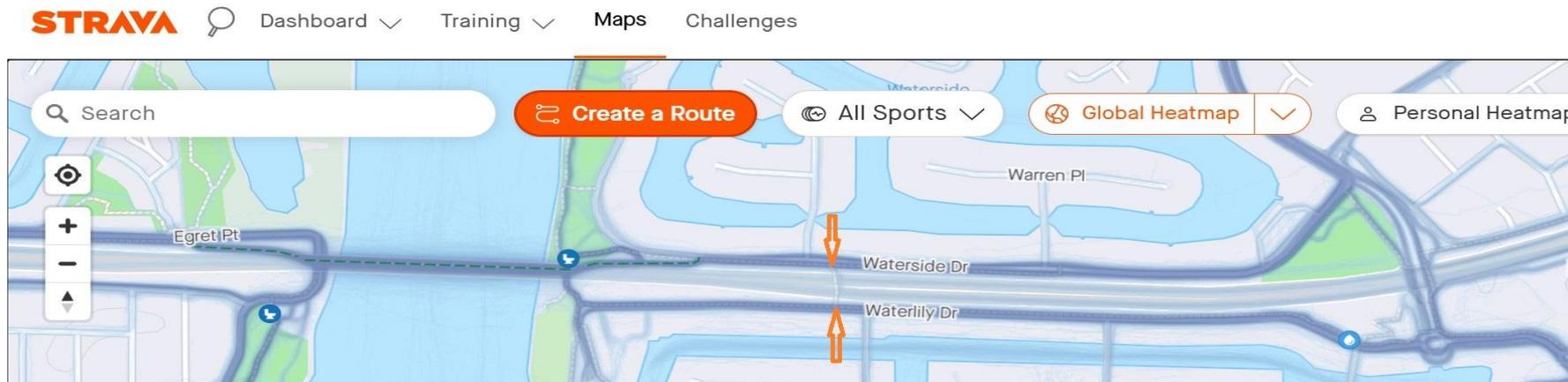


What We're Asking For – Close off unused cycle entry/exits

- **Too dangerous now let alone 6 lanes in the future!**
- **No room for 4m track** – and not necessary with Waterside/Waterlily routes
- STRAVA heat map of cycle route usage – **show entry/exit points never used**
- Fleet Cycles/Giant Cycles – **Mandurah's largest cycle groups don't want them**

Issues for adjacent residents – **FOREVER!**

- Security issues – **10 burglaries in last year**
- Drug issues – **2 drug rentals closed down in last 5 years**
- Safety access issues for young children & dogs – **already one known 3 yr old occurrence**
- Noise seepage issues from break in the wall – **even with overlaps**



What We're Asking For – Cycle track improvement

- *Currently needs two people to enable residents to reverse out of driveways with trailer/boat/van!
- * Most A&E cyclist arrivals are from driveway incidents plus now kids on electric scooters!

Current track



Proposed track



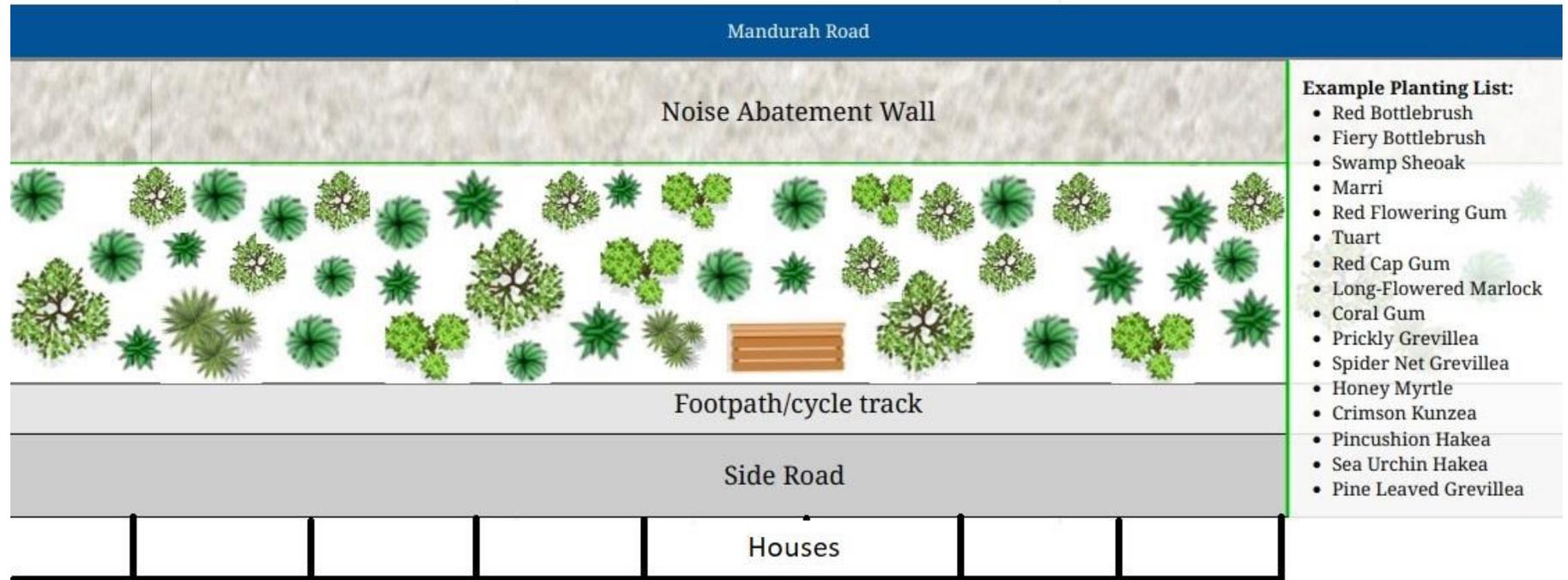
What We're Asking For – Vegetation

We want our small birds back

In consultation with
City of Mandurah

Noise Wall Specs

- Concrete panels
- Steel posts
- Approx 3m tall
- Next to Mandurah Rd
- **Min. 10m for planting**
- Art on roadside
- Plain **light coloured** anti-graffiti paint on residential side



Costing Options

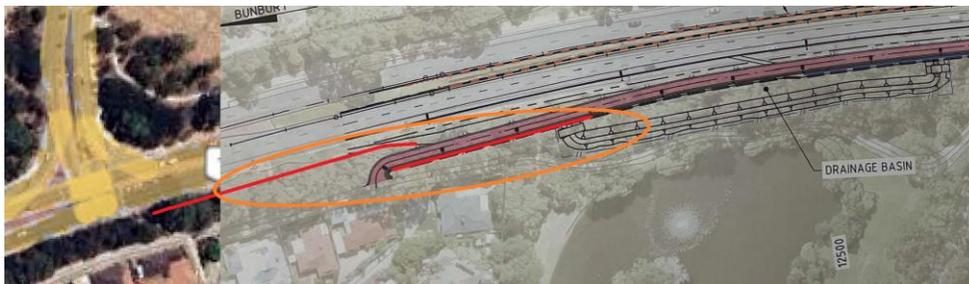
Option 1 – Non-negotiable must have now for residents!

- Extend walls on ultimate alignment for 5 residents Waterside ~120m,
& 3 (+?) residents on Waterlily ~50m cleared but **currently “outside project scope”**
Close off cycle tracks (**must have for this option**)
- Noise walls for Waterson/Arkley (~250m)
where houses are closer to Mandurah Rd than any others and
where already cleared + major work but also **currently “outside project scope”**

Main Roads can't carry out major works in front of a property and then exclude it from the noise mitigation and privacy requirements of SPP5.4 by saying its “outside the project scope”

Needs immediate decision by MOT with signed off plans to reduce resident stress!

Waterston Pl



Waterside Dr

Waterlily Dr



Costing Options

Sent to MOT by Main Roads/Georgiou?

Option 2 – Waterside/Waterlily - Temporary extension wall **not on** “ultimate alignment”,
- requires wall and vegetation to be **removed again for installation of 3rd lane in the future**
- **must include Residents option 1**

Option 3 - Waterside/Waterlily - Permanent extension wall **on** “ultimate alignment”, including prep for 3rd lane
- **must include Residents option 1**

Questions???

- **What exactly has been costed?**
- **Have those costings been sent to Main Roads?**
- **Have Main Roads passed those onto Minister of Transport?**
- **When will we have a decision on these options?**





Waterside Residents Association

Mandurah, Western Australia

For More Information!

Website www.manduraestuarybridge.com

The App

March 2024

Manduraestuarybridge.com

Mandurah Estuary Bridge Work

2024 - 2026

report 111

As part of the initial design for the Estuary Bridge Duplication Project, noise abatement walls were specified along part of Mandurah Road between Leslie Street & Old Coast Road. Vegetation was cleared to prepare the foundations for a third lane, prepare for these walls and for required drainage channels.

As residents, while we support the improvements in traffic flow this work will bring, we are concerned about the affect an increase in traffic noise will have on our families health and hearing.

We are advocating for these walls to be extended and replacement vegetation on all four approaches to the Mandurah Estuary Bridge from Leslie St lights to the lights at Old Coast Rd.

