

Presentation to Lake Macquarie City Council staff

# Catherine Hill Bay LATM assessment

Friday 05 April 2013



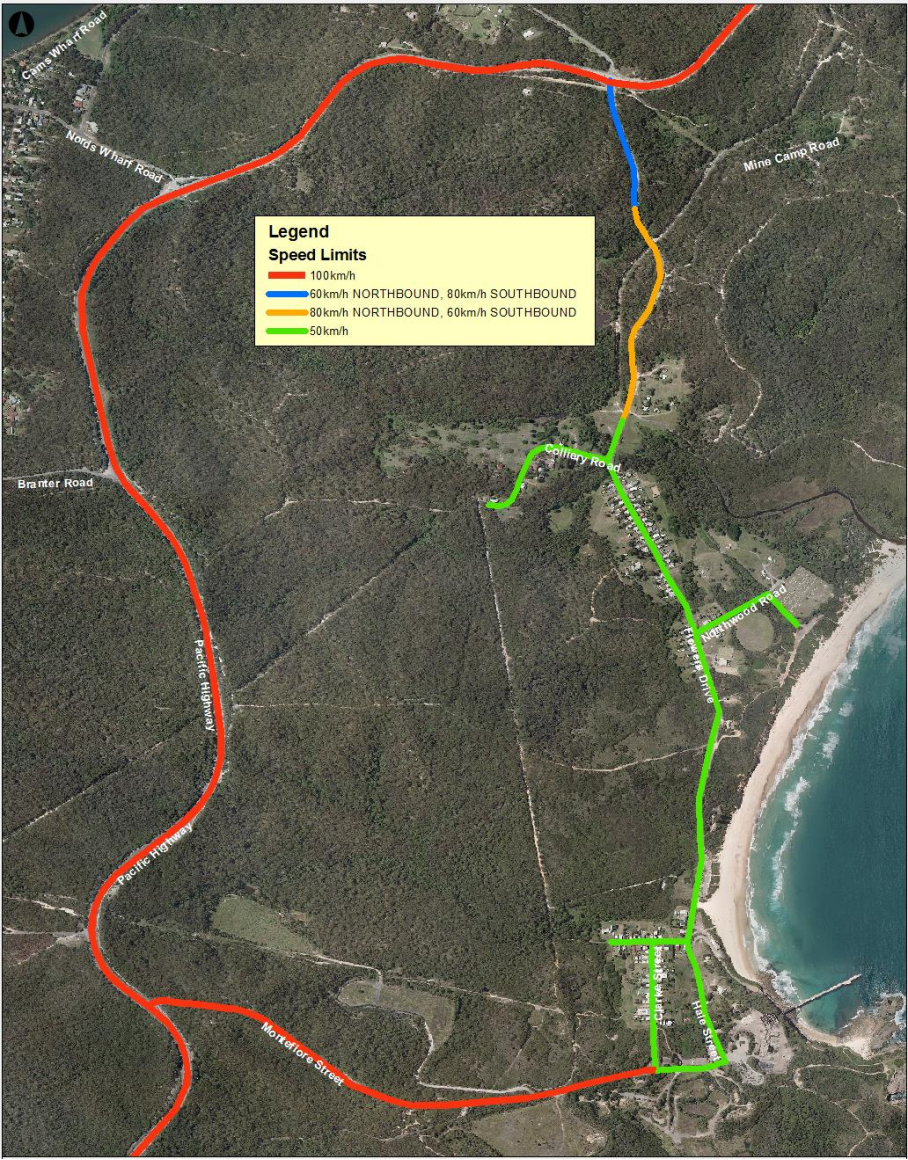
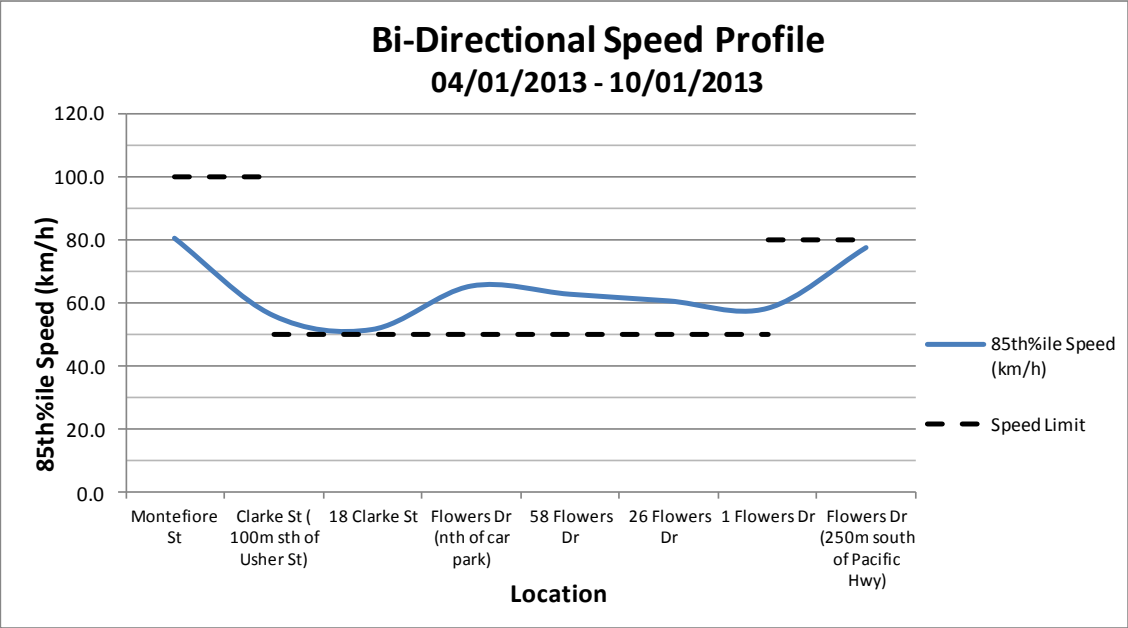
Local Area Traffic Management (LATM) studies address the need to reduce or restrict the amount of traffic using local streets to improve safety and public amenity.

## Problems in Catherine Hill Bay: Hooliganism





# Problems in Catherine Hill Bay: Traffic speed





# Problems in Catherine Hill Bay: 750 + new homes and potential future traffic



P1	07-01-13	JCM		
Issue	Date	By	Chd	Appl
Metres				
0	210	420	840	



Client  
**Lake Macquarie City Council**

Job Title  
**Catherine Hill Bay LATM Scheme**

Drawing Title  
**Catherine Hill Bay  
Location Plan**

Scale at A3  
**1:15,000**

Drawing Status  
**Preliminary**

Job No	Drawing No	Issue
13S1159000	001	P1



# Opportunities at Catherine Hill Bay: Walkable destinations

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Beach



Surf club



Bowlo



Pub



# Opportunities at Catherine Hill Bay: existing infrastructure

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Wide roads



Bus stops



Gutter



Kerb and gutter



# Existing public transport



## Infrequent buses

**Route 98 99**

**Lake Haven to Chain Valley Bay via Blue Haven**  
**Lake Haven to Charlestown via Blue Haven, Gwandalan & Swansea.**  
Shows all buses running along Pacific Hwy between Gooramba Av, San Remo & Nords Wharf.

**Monday to Friday**

map ref	Route number	98 am	97 am	98 am	98 am	97 am	99 am	99 am	98 am	99 am	98 am	99 am
	Connecting bus departs Westfield Tuggerah	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.37 am
11	Train arrives from Sydney	.....	G4.46	G4.46	5.39	5.39	5.39	G6.00	G6.00	G6.00	6.13	6.37 G
	Connecting bus departs Wyong Station	4.22	D5.00	D5.00	5.44	5.44	5.44	6.10	6.10	6.10	E6.30	6.45
	Operates as Route	80	81	81	80	80	80	80	82	82	79	80
1	Lake Haven Shops #	4.43	5.33	5.38	6.05	6.23	S6.23	H6.39	6.44	S6.50	6.55	7.20 S
2	Blue Haven (Roper Rd & Land Haven Av)	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.05	.....
4	Doyalson (Pacific Hwy & Rutleys Rd)	4.54	5.45	5.50	6.17	6.35	S6.35	H6.51	6.56	S7.02	.....	7.32 S
7	Chain Valley Bay (Ivy Av & Lloyd Av)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	Chain Valley Bay (Karoala Av & Morotai Av)	.....	.....	.....	.....	.....	.....	.....	.....	.....	S7.08	.....
9	Lake Munmorah (Boronia Rd & Acacia Av)	M4.57	.....	M5.53	M6.20	.....	S6.39L	H6.55L	L7.01	S7.22	.....	7.37 S
11	Chain Valley Bay (Mulloway Rd & Tarwhine Av)	.....	.....	.....	.....	.....	.....	.....	7.15	.....	.....	.....
12	Chain Valley Bay (Houston Av & Findlay Av)	.....	.....	.....	.....	.....	.....	.....	7.10	.....	.....	.....
13	Summerland Pt (Yeramba Rd & Illawong Rd)	.....	.....	.....	.....	.....	S6.51	H7.12	.....	S7.42	.....	.....
14	Gwandalan (Kanangra Dr & Orana Rd)	.....	.....	.....	.....	.....	S7.01	H7.05	.....	S7.49	.....	.....
15	Catherine Hill Bay (Lindsley St & Clarke St)	.....	.....	.....	.....	.....	.....	.....	.....	.....	H7.50	.....
16	Nords Wharf (Branter Rd & Government Rd)	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.57	.....
17	Swansea (Main St & Lake Rd)	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.12	.....
18	Charlestown Square	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.38	.....

**Monday to Friday continued**



# Opportunities at Catherine Hill Bay: character of the existing village

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Culvert fence



Cemetery fence



New landscaping



New fencing



Old coal loader



Culvert bridge



Log, edge treatments



Wood driveway



# Constraints

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Steep gradient

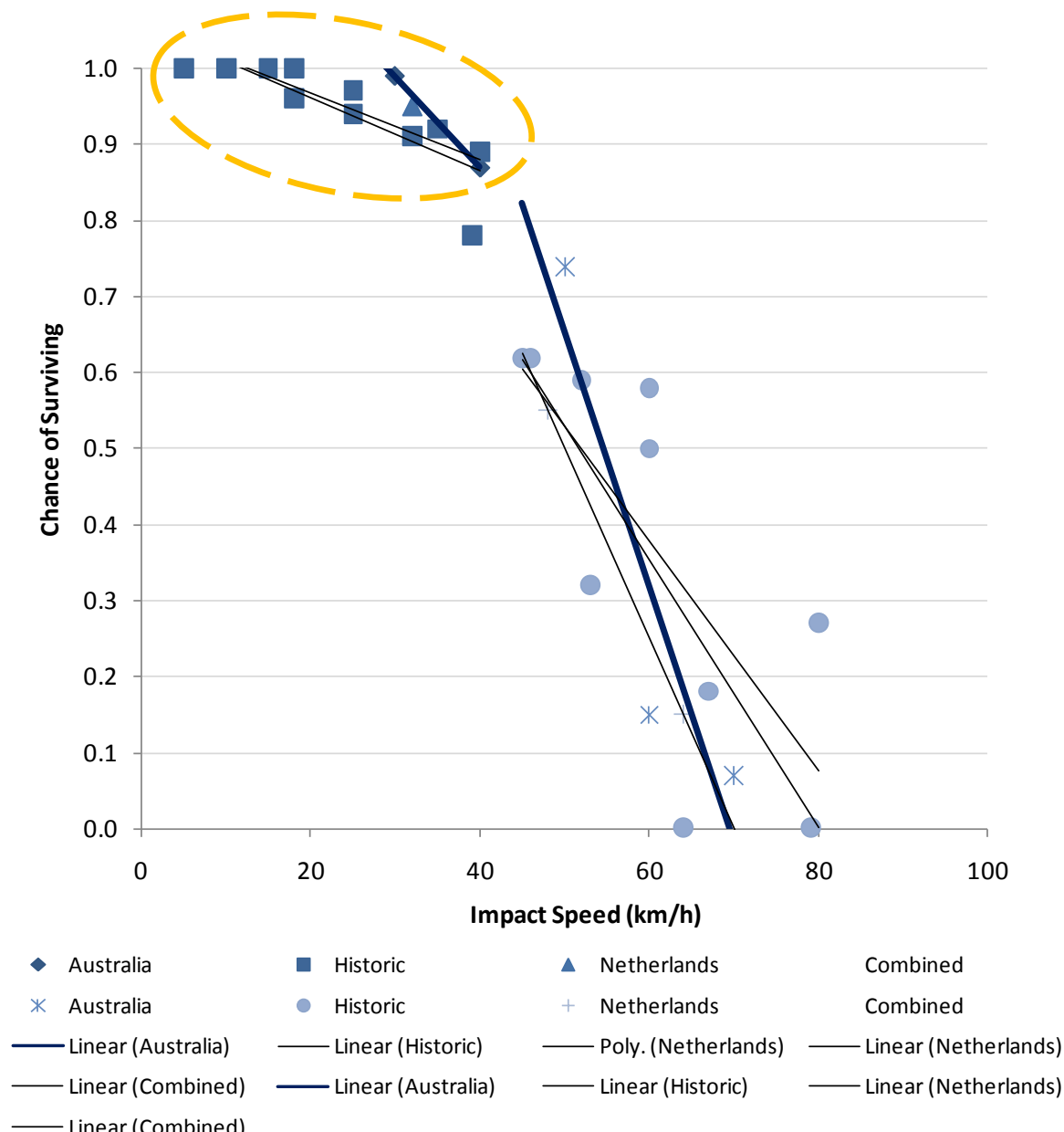


No footpaths





# Lower vehicle speeds to improve safety



# Local area traffic calming: urban design and pedestrian improvements

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Urban design features--cobblestones



Shared paths



Pedestrian crossing





# Anti-hooliganism treatments: lessons from San Souci, Rockdale City Council

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Raised thresholds



Centre line treatments



Slow point and zebra crossing



Lane closure and turn bans



Slow points



## Anti-hooliganism treatments at Rockdale Council (con't)

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Road closures



Locked gates



Lane closures



Tyre shredders





# Catherine Hill Bay DCP: Traffic objectives

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## Objectives

- Create a “green ridge” along Montefiore Street with an extensive landscape buffer on both sides of the carriageway.
- Create two “green link” roads through the southern part of the development site which will form defining elements within the development.
- Hale Street is to provide the main north-south connection to the neighbourhood centre.
- Create a hierarchy of streets, each street type having a distinctive character based on street tree planting.
- Create a legible and functional road network that provides good connections with the surrounding areas and optimises public access.
- Use streets to define the edges between development and natural areas and to provide bushfire buffers.

## Controls

- Development applications for subdivision incorporating roads should generally comply with the road hierarchy plan at Figure 5 and the relevant streetscape character in Table 1.
- Individual road design, construction and landscaping are to be in accordance with the street cross sections and the tree planting schedule included in Appendix B and C of this DCP.
- Street planting is to be coordinated with subdivision layout and services layouts to ensure appropriate configuration with vehicle crossovers, sight lines, drainage swales, lighting and other.
- A Landscaping Plan is to be submitted for approval prior commencement of construction of road works. This plan is to detail proposed streetscape planting.

# Catherine Hill Bay DCP: Pedestrians and cyclists

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## Objectives

- Provide a convenient, efficient and safe network of pedestrian and cycleway paths for the use of the community, within and beyond the site.
- Encourage residents to walk or cycle, in preference to using motor vehicles, as a way of gaining access to local beaches and the coastal foreshore, shops, and other local community and recreation facilities.
- Promote the efficient use of land by allowing pedestrian pathways and cycleways to be located within parks and corridors wherever practical.
- To provide on road cycleways given the low traffic environment of the locality.

## Controls

- On road cycleway routes are to be marked by appropriate pavement treatment along Montefiore Street.
- The minimum width of pedestrian pathways is to be 1.2m.
- All pedestrian and cycleway routes and facilities are to be designed and constructed in accordance with the requirements of Lake Macquarie DCP No.1.
- Pedestrian and cycle pathways are to be constructed as part of the infrastructure works for each residential stage prior to issue of the subdivision certificate.



# LATM treatment opportunities

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Current “gateway”



On-street car parking



Roundabout



Bus stops



Lane closure



Road closure



Temporary road closure



# Traffic calming

- Vertical traffic calming

MIDBLOCK



- Horizontal traffic calming



INTERSECTION

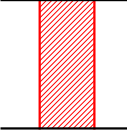




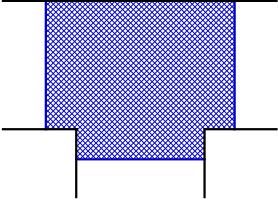


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PLOTTED BY : Barry Li

**KEY:**



MID-BLOCK



AT INTERSECTION



**PRELIMINARY PLAN**  
FOR DISCUSSION PURPOSES  
ONLY SUBJECT TO CHANGE  
WITHOUT NOTIFICATION

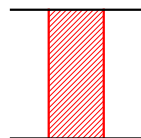


CATHERINE HILL BAY LATM SCHEME  
POTENTIAL RAISED PLATFORM TREATMENT

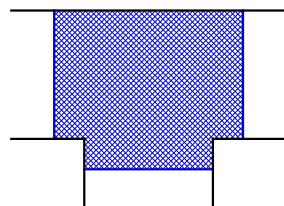
03 APRIL MONTH  
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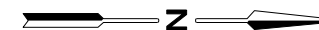


MID-BLOCK



AT INTERSECTION

ON 4/04/2013 AT 10:00:37 AM  
PLOTTED BY : Barry Li



## PRELIMINARY PLAN

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GTA consultants  
[www.gta.com.au](http://www.gta.com.au)

CATHERINE HILL BAY LATM SCHEME  
POTENTIAL RAISED PLATFORM TREATMENT

03 APRIL '13  
SCALE 1:2000 @ A3  
13S1159000-01-01-P1



## Next steps

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- Workshop with Catherine Hill Bay residents
- Costing
- Potential further consultation with developer
- Final report



Questions?

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