Gold Coast: a city embracing transport evolution

Matthew Tilly Manager Transport & Traffic GOLDCOAST.

Welcome.



The Gold Coast transport story.



The look ahead: mid-life review.



Our response to emerging trends.

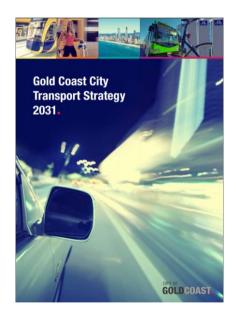
600,000+ population





Transport Strategy

2031.





Parking



Road Safety



Active Transport



Travel Behaviour



Road Network



Freight



Public Transport

Why a mid-life review?



Achievements so far. "Black spot funding to fix dangerous Gold Coast roads" "Extra bus services "Inv for northern Gold Coast" "Gold Coast traffic congestion fix" int. de sit

ess"



3000 km

of pathways and cycleways now built



1500

bus stops upgraded to meet disability standards



21

black spot funded projects across the city to improve safety



4200

bike trips added daily via City's first dockless bike share scheme



1.5 million

m² of road surface maintained



Key findings

- Strategy remains relevant
- Transport demand will continue to grow –
 1.1 million new trips by 2041
- Four major transport disruptors detected
 - 1. Mobility-as-a-Service (MaaS)
 - 2. Electric and hydrogen fuel cell vehicles
 - 3. Connected and Autonomous Vehicles (CAVs)
 - 4. Availability and analysis of 'big' data
- Prioritise congestion management initiatives
- New Transport Strategy 2041 in 2023

Anticipate. Plan. Harness the future.

- Engage with TMR on MaaS initiatives for the Gold Coast
- 2. Electric vehicle charging technology rollout
- 3. Provide and test CAV componentry for Australian conditions
- Gather and transmit real time transport system data via cloud based platforms
- Combine data gathering and Artificial Intelligence to optimise traffic flows and improve safety



Smart investment. Manage congestion now.

Congestion Management

Major road projects Intersection upgrades Systems and operations Active and public transport initiatives

Travel demand management











Roads at or over capacity at peak times: Robins Town Centre Dr and Stapylton Legend Laver Dr intersection upgrade Stapylton City-controlled roads State-controlled roads Major road and intersection upgrades (traffic signals) - Gold Coast Highway - M1 North: between Exit 54 Robins Town Centre Dr and Sundale Bridge traffic through Southoort and Scottsdale Dr Intersection (Coomera) and Exit 66 (Gaven) scheme (capacity upgrade -Yatala a Surfers Paradise upgrade (traffic signals) - M1 South between Exit 82 Yatala additional (anes) Ashmore Rd and Upton St - Robina Town Centre Drive Ormeau (Robina) and Exit 95 (Tugun) Old Coach Rd upgrade intersection upprade (traffic signals) Ormeau-- Robina Parkway - M1 interchanges: (stage 1) Kingsmore Blvd (north) Days Rd and Old Coach Rd - Yawalpah Road Yatala to Oxenford to Old Motocross Track intersection upgrade (traffic signals) - M1 ramps at Reserve Road / - Christine Avenue Old Coach Rd upgrade 23 Thrower Dr and Sarawak Ave Heathwood Drive, Upper Coomera (at Bernuda Street) (stage 2) (new link between traffic improvement project Bermuda St and Old Coach Rd) - Smith Street Motorway - Thomas Drive Pine Ridge Rd and (Olsen Avenue to M1) Isle of Capri traffic scheme Gold Coast Highway Benowa Road Pimpama capacity upgrade (bridge - Smith Street intersection upgrade (signal upgrade) - Somerset Drive Pimpama duplication) (at Napper Road) Wardoo St and Cotlew St Yawalpah Rd (stage 2) Gold Coast Highway intersection upgrade (traffic signals) capacity upgrade (at Harbour Town) Tillvroen Rd and Upper Pimpama Western Service Ormeau Rd intersection upprade - Gold Coast Highway (at Pine Ridge Road) Rd link completion (traffic signals) (between Pacific Springs Goldmine Rd and Lahrs Rd Gooding Drive Dr and Mirambeena Dri intersection upgrade (traffic signals) (at Bobina Parkway) Coomera Christensen Rd Southport-Burleigh Road Coomera Sunshine Ave and Surfers link completion Ave intersection upgrade (at Christine Avenue) Helensvale Oxenford (traffic signals) Goldmine Rd - M1 ramps at Robina Parkway Helensvale Oxenford Christine Ave and link upgrade M1 ramps at Robina Cassowary Dr Intersection Town Centre upgrade (traffic signals) - Nerang Broadbeach Road Rifle Range Rd and sports facility intersection upgrade - M1 ramps at Palm (traffic signals) Beach Avenue Days Rd and Williamson Rd intersection upgrade (traffic signals) Southport Southport L 5milh Street Main Beach M Main Beach Legend **Surfers Paradise** Active and public transport initiatives Nerang 23 Gold Coast Light Rail (between **Surfers Paradise** Broadbeach Nerang Broadbeach South and Burleigh Heads) Priority area for increased Broadbeach bus services Construction of new Oceanway Complete construction of a Green Bridge (between HOTA Robina and Chevron Island) 21 **Burleigh Heads** Construction of a Green Robina Bridge (between Chevron Island 211 and Surfers Paradise) **Burleigh Heads** Construction of a Green Bridge (Reedy Creek adjacent to Palm Beach Legend Old Coach Road) 2018 road network congestion Commence design of Green Palm Beach (AM and PM peak combined) Bridges (from Gooding Park to Etna Street, Surfers Paradise and With spare capacity from Eady Avenue to Savoy Drive. Broadbeach Waters 12 Approaching capacity Parkwood and Parkwood At capacity Coolangatta East light rail stations (accessibility upgrades with new / Over capacity upgraded paths) Coolangatta

Turning the Strategy into actions. With our delivery partners.

"The City of Gold Coast continues to be one of the nation's leaders in how it is planning its transport systems, and the transition to a more balanced mix of transport options for residents and visitors. Across the US and in some Australian cities we are today seeing declines in public transport use and increases in traffic congestion to intolerable levels. The Gold Coast has avoided this fate, despite all its population growth, having wins with Australia's best light rail system and its most successful bikeshare scheme."

- Associate Professor Matthew Burke, Cities Research Institute, Griffith University



Thank you.

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