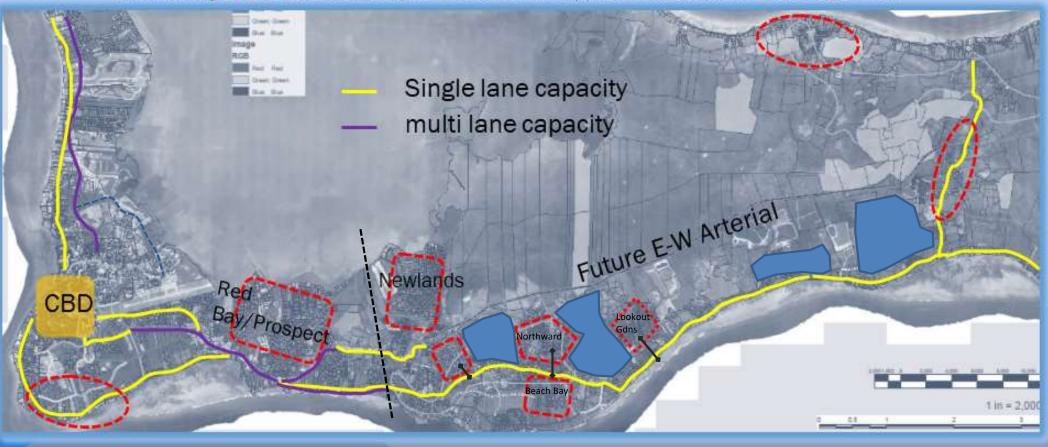


Order of Presentation

- The Congestion Problem in the eastern districts
- Traffic Analysis (volumes, travel times, delay)
- EIA Development for the EW Arterial
- 2008 Trial Pit Data (ground conditions)

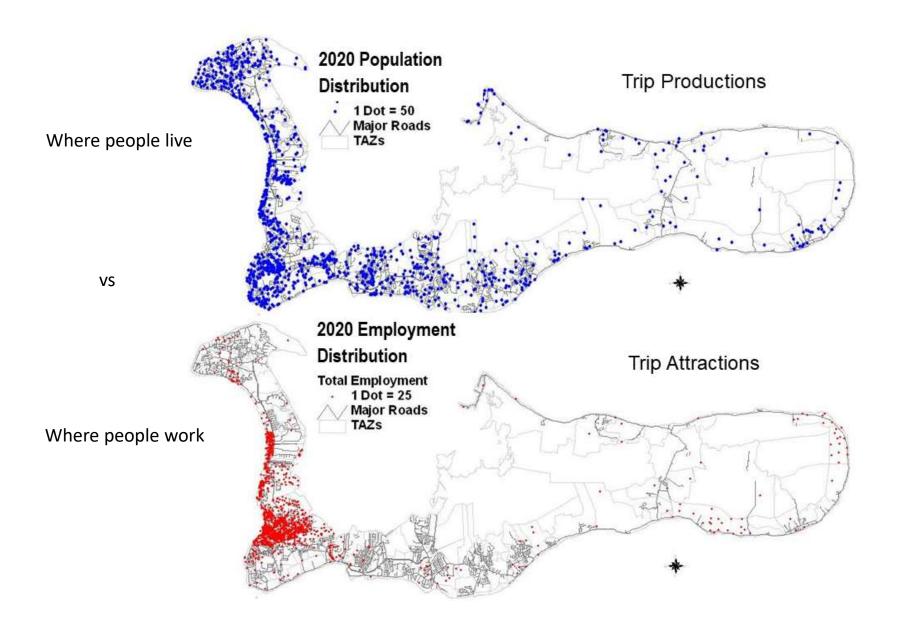
THE CONGESTION PROBLEM

- 50% of all inbound morning traffic comes from east of Savannah Tall Tree
- There is only one lane available b/w EE and Sav to support all of the eastern district traffic.

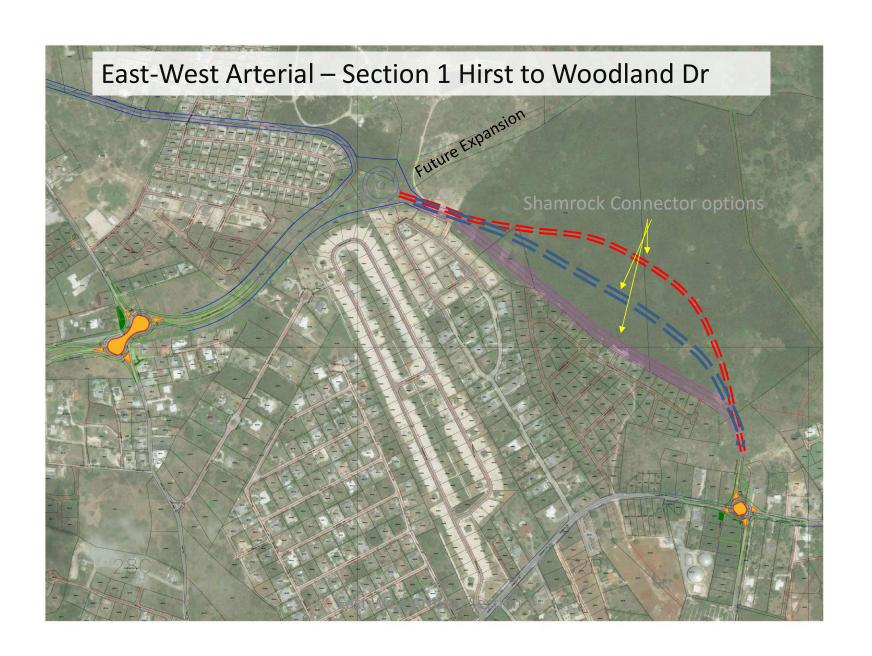


GOAL: EW extended to Frank Sound by 2026/27









THE CASE FOR THE E-W EXPANSION

- Creates a highly disaster resilient "central highway"
- Serves an emergency route when coastal roads are compromised
- Opens land for development on the interior
- Provides road hierarchy and provides enhanced access and connectivity
- Reduces travel times for EE, NS & BT residents
- Facilitates utilities expansion (electricity, fibre, water, central sewer)
- Can serve as a major horizontal conveyance for future storm water management systems
- Enhances the local tourism product by allowing quicker and easier tour-access to outlying tourist attractions (Botanic Park, Cayman Crystal Caves, Rum Point, etc)

Successful implementation of the EW Arterial greatly assists the Government in its new set of national priorities targeting growth and economic development. These include priorities of:

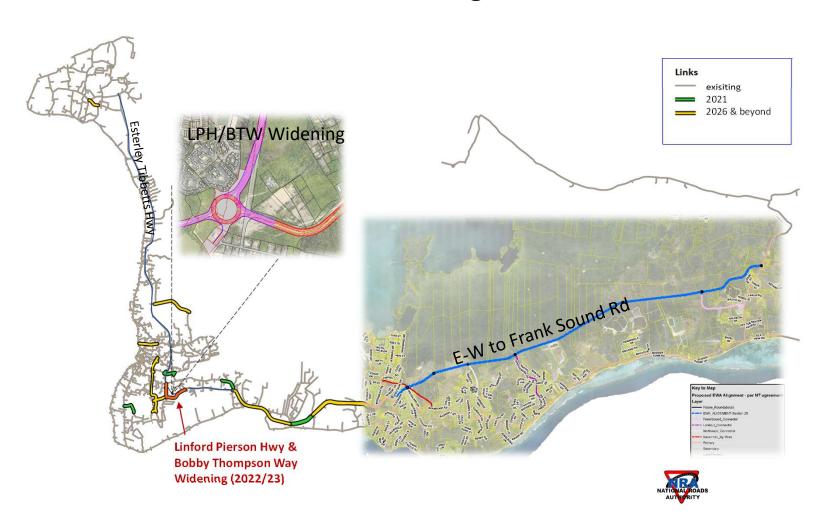
- Creating jobs
- Investment in critical infrastructure
- Encouraging business investment
- Improving road travel reliability
- Making the island more climate resilient
- Increasing housing supply
- Developing modern, safe, and efficient public transportation

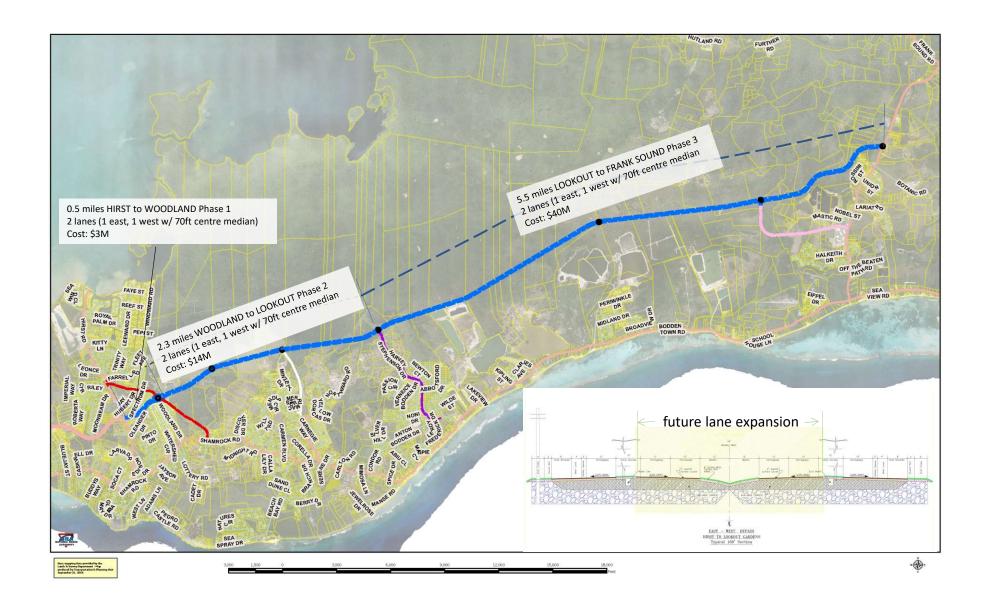
The NRA's goals for roads in particular include:

- Reducing travel time
- Increasing roadway lane capacity/ improve road travel reliability
- Developing comprehensive North-south and east-west primary arterials
- Improve road safety for all road users
- Ensure on-time running for public transport
- Developing a resilient road network for effective emergency planning and response
- Serve as a driver of strategic growth and planning initiatives.



EW Arterial & LPH Widening – National Priorities



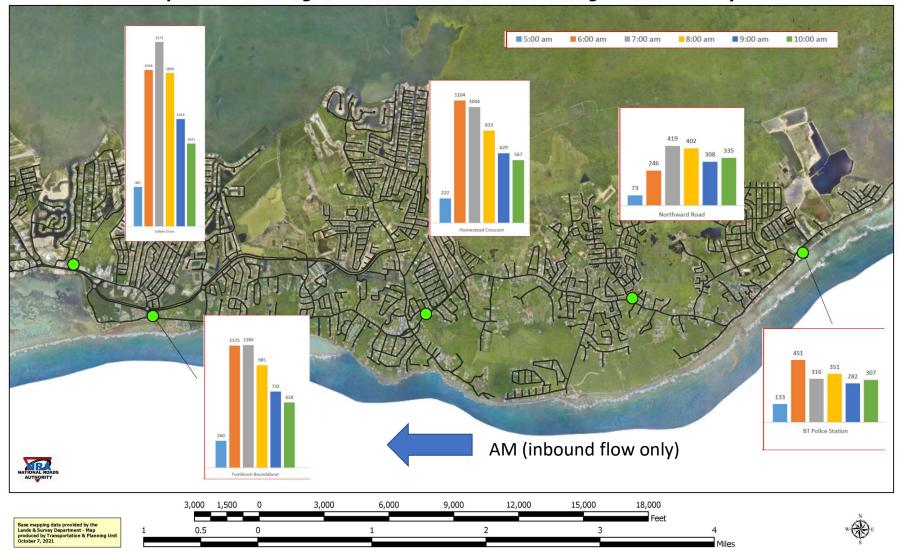


• EWA Extension to Lookout Gardens



Traffic Analysis

2018 Comparison of Morning Conditions for Inbound Traffic Along Main Road at Key Intersections



TRAVEL TIME COMPARISONS

• Off Peak (i.e. non rush hour)

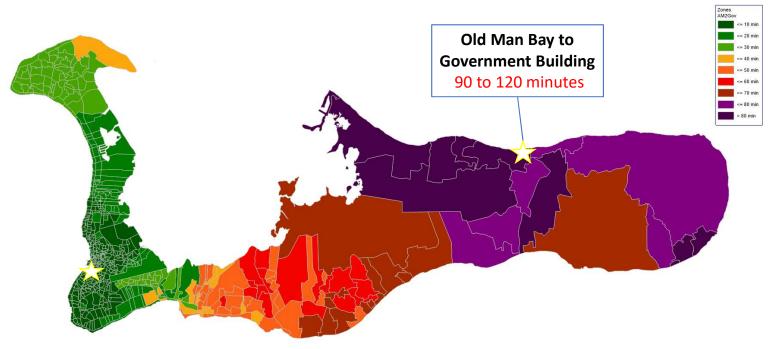
Google Maps Cayman Crystal Caves to Ministry of Education

Drive 29.8 km, 33 min



Crystal Caves to Govt Admin Bldg = 19 miles in 33 minutes (32 mph avg speed)

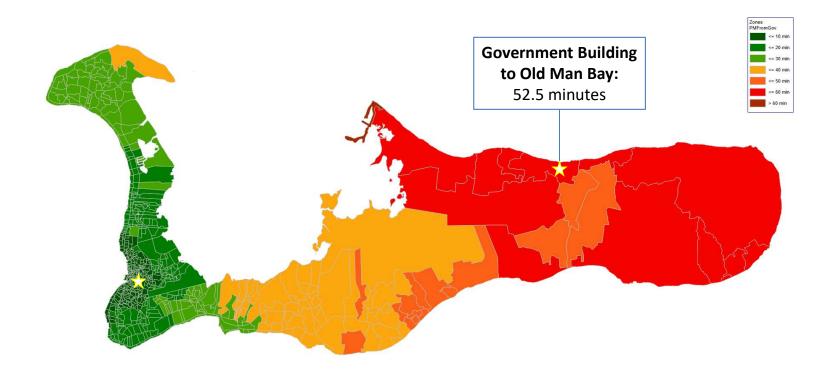
MORNING PEAK 2026 DO NOTHING Travel Time to Government Building



- 2026 estimated travel (AM rush hour) times to GAB without LPH & EW Arterial Improvements
- Note: Congestion periods go from current 1hr to as much as 2hrs



PM 2026 EWA EXT. & BTW/LPH WIDENING — TRAVEL TIME FROM GOVERNMENT BUILDING



53 mins Peak Hr vs 33 mins Off Peak





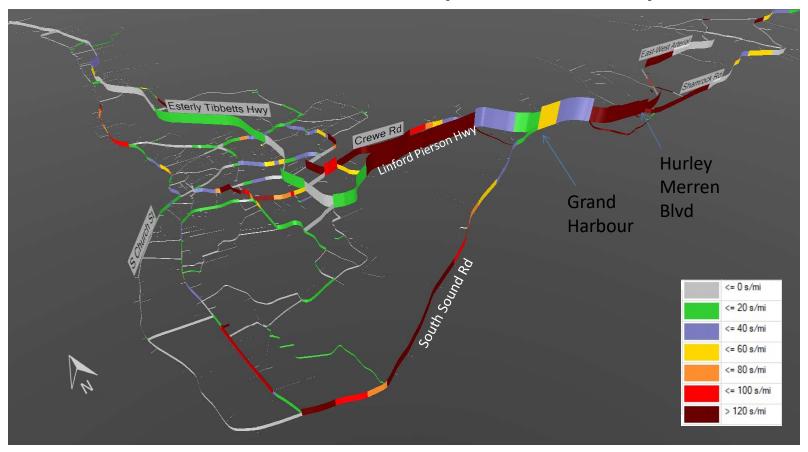
TRAVEL TIME COMPARISONS

AM PEAK HR (6:30 am to 8:	AM PEAK HR (6:30 am to 8:30 am) OLD MAN BAY to GOVT Admin Building														
Status Quo (i.e. marginal	BTW (4 lanes)	E-W Arterial (to Lookout	EWA + BTW combined	EWA + BTW +											
improvements)	Widening only	Gdns) only		SHAMROCK (6lanes)											
90 mins to 120 mins	~75 mins	~75 mins	~62 mins	45-50 mins											
13 mph avg spd	15 mph avg spd	15 mph avg spd	18 mph avg spd	28 mph avg spd											

PM PEAK HR (4:30 pm to 6:	30 pm) Govt Admin Build	ding to Old Man Bay		
Status Quo (i.e. marginal	BTW (4 lanes)	E-W Arterial (to Lookout	EWA + BTW combined	EWA + BTW +
improvements)	Widening only	Gdns) only		SHAMROCK (6lanes)
50 to 60 mins	~57 mins	~54 mins	~50 mins	~45 mins
19 - 23 mph avg spd	20 mph avg spd	21 mph avg spd	23 mph avg spd	25 mph avg spd



AM 2026 EWA EXT. & BTW/LPH WIDENING – AM DELAY PER MILE (CHOKE POINTS)







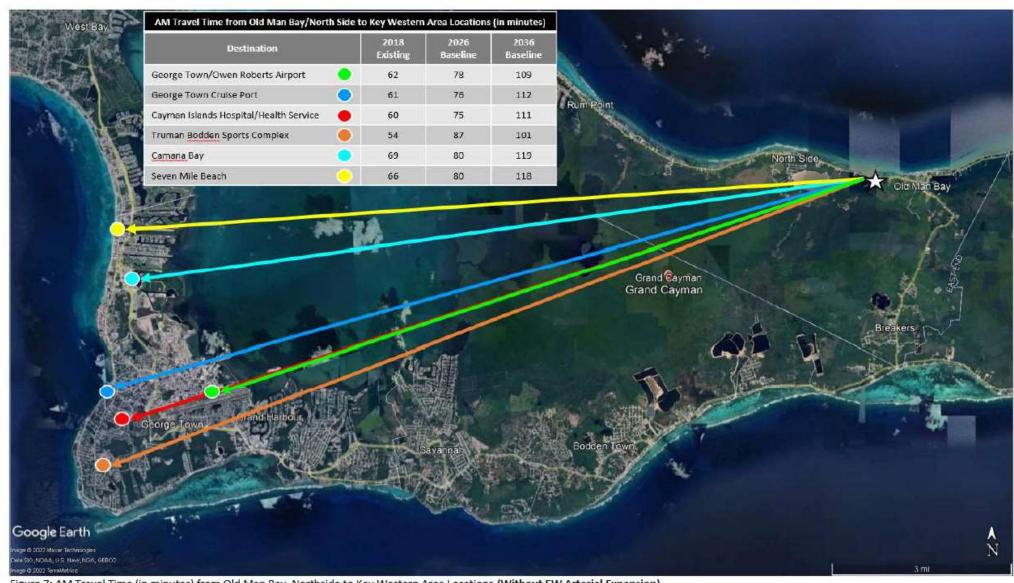


Figure 7: AM Travel Time (in minutes) from Old Man Bay, Northside to Key Western Area Locations (Without EW Arterial Expansion)

EIA DEVELOPMENT & HIGHWAY DESIGN/BUILD





Outline:
Development
 of EIA
Coordination
 and Review
Framework

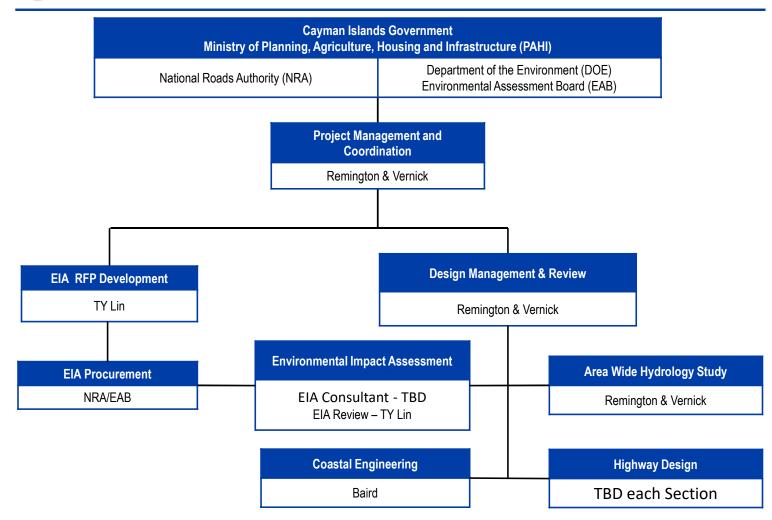
Completed to Date

- Draft Timeline
- Team Organization
- Scoping opinion (for road to LookOut)
- Draft EIA Request for Proposal (RFP)

Next Steps

- Revise scoping opinion (for road to Frank Sound)
- Draft EIA Coordination and Review Framework
- Advertisement of RFP for EIA Proponent

East-West Arterial Project Development Team



EIA Steering Cmte – key personnel

- 2 hydrology & stormwater experts;
- 1 environmental scientist (Coral Gables, Fla);
- 1 Coastal Engineer and storm surge modeling expert.

National Roads Authority

- Edward Howard, Managing Director
- Denis Thibeault, Assistant Director
- Mark Scotland, Consultant/Project Manager

Remington and Vernick

- Steven Bolt, PE, PTOE Project Management 35 years exp, 18 years local project exp.
- Joseph Pegnetter, PE Project Management 28 years exp, 14 years local project exp.
- Qingyuan Liu, PE Hydrology and Drainage 30 years exp, 13 years local project exp.
- Stuart Gause, PE Hydrology and Drainage 31 years exp, 8 years local project exp.

TY Lin (Florida & Pennsylvania)

- Paul Archibald, PE, PTOE Project Management 32 years exp, 1 year local project exp.
- Sara Gutekunst, Environmental Scientist 9 years exp

Baird (Canada)

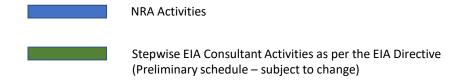
• Doug Scott PhD P.Eng — Coastal Engineering - 34 years exp, 14 years local project exp.

EWA Extension Corridor from Hirst Road to Frank Sound Rd- Context for EIA and Drainage Impact onto Central Mangrove System Legend Northward Connector (Future) EWA Alignment - Lookout to Frank Sound Rd EWA Alignment - Lookout to Frank Sound Rd Approved or Planned Developments National Trust Land

Proposed Timeline of Full Environmental Impact Assessment of EW Arterial extension to Frank Sound Road

Section 2 - Extension to Lookout Gardens

																			M	onth/	Year/V	Veek												· ·		· ·									
Environmental Impact Assessment and Highway Design For Section 2 Extension to Lookout Gardens	Oversight	Nov 2021		Nov 2021		Nov 2021		Nov 2021		Dec 2	021	Jan 2	2022	Feb	2022	Mar	2022	Apr	2022	May	2022	Jun	2022	Jul	I 2022	Au	g 2022	Sep	2022	Oct	2022	Nov	2022	Dec 2	022	Jan 2	023	Feb	2023	Mar	2023	Apr	2023	Ma	ay 202
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Business Case Development and Approval by EPC	NRA																	П		П											Ш							\Box	П						
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Selection of EIA Consultant - NCC Sec 3.(ii)	NRA/EAB			\Box		П														П											П							\Box	耳						
Develop Terms of Reference - NCC Sec 3.(iii)	EAB																														\Box								世						
Consultation with EAB - NCC Sec 3.(iii)	EAB	Ш	\Box	\Box			\Box							ш		П	П									ш		ш			П							Ħ	耳						
Public Consultation - NCC Sec 3.(iii)	EAB	Ш		ш			ш											П								Ш		ш			\Box							Ħ	耳						
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Draft Environmental Statement - NCC Sec 5	EAB	Ш	$\perp \perp$	\perp	$\perp \downarrow \downarrow$	\perp	\perp	\perp		П	Щ	$\perp \perp$	\sqcup	Ш	\sqcup	П	Ш	П	ш	П	\perp	$\bot \bot$	Щ					\Box	\angle	Public N	leeting	٦,				H	T	П	\Box						
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2008 TRIAL PIT DATA -Hirst Road to Lookout Gardens

