The 10 End-to-End Challenge

Singapore | Depart Yishun at 10:00 am | Singapore-only variation

Definition: Drive the full public expressway length in at least one direction, using legal exit/return routes near Tuas and Woodlands checkpoints. Literally reaching the controlled checkpoint terminus without entering customs lanes may not be possible. Never follow a navigation suggestion into immigration by accident.

Reality check

Feasible in a day: Yes. The combined individual road lengths are roughly 160 km, but completing all of them needs duplicated sections, U-shaped connections and surface-road turnbacks. Budget around 200–260+ km and 5–7+ hours depending on routing, traffic and stops. These are unverified planning estimates.

Recommended order

Yishun → CTE → AYE (partial westbound) → PIE (full eastbound) → ECP (full westbound) → MCE (full westbound) → AYE (full westbound) → KJE (full northbound) → BKE (full southbound) → KPE (full northbound) → TPE (full westbound) → SLE (full westbound) → Yishun.

Why AYE appears twice: the southern terminus of CTE joins AYE westbound, partway along AYE. The later Keppel-to-Tuas run is the one that qualifies AYE as end-to-end.

Expressway completion checklist

#	ROAD	ROUTE / COVERAGE	DIRECTION
01	**CTE**	SLE/TPE (Seletar) → AYE (Bukit Merah)	Full southbound
02	**PIE**	Tuas/AYE western end → Changi South/ECP	Full eastbound
03	**ECP**	Changi Airport Boulevard → Sheares Avenue	Full westbound
04	**MCE**	ECP/KPE junction → Keppel/AYE	Full westbound
05	**AYE**	Keppel/MCE → last public exit before Tuas Checkpoint	Westbound; no checkpoint entry
06	**KJE**	PIE Jurong West → BKE Bukit Panjang	Full northbound
07	**BKE**	Final public Woodlands exit → PIE Bukit Timah	Full southbound except checkpoint-only end
08	**KPE**	MCE/ECP junction → TPE northeast	Full northbound
09	**TPE**	PIE near Changi → SLE/CTE at Seletar	Full westbound
10	**SLE**	TPE/CTE at Seletar → BKE at Woodlands	Full westbound

Road-to-road driving sequence

Use this as a field checklist, not as verified turn-by-turn directions.

Phase 1 | Yishun → Tuas

Join SLE towards Seletar, start CTE at its northern junction and travel all the way south to AYE. Follow AYE west towards Tuas, staying on public roads and exiting before the checkpoint. At this stage CTE is complete; AYE is not yet full.

Phase 2 | Tuas → Changi → city

Connect to the western end of PIE and drive east to its ECP/Changi South terminus. Use legal airport approach roads to reach the ECP eastern start, then follow ECP citybound all the way past its MCE/KPE junction to Sheares Avenue.

Phase 3 | Marina → Tuas

Using surface roads, return to ECP eastbound and connect to MCE west. Drive all of MCE to its Keppel/AYE transition, then continue west across the full AYE to the last safe public exit before Tuas Checkpoint.

Phase 4 | West → Woodlands → Bukit Timah

Return from Tuas using public roads/AYE and PIE, enter KJE at its PIE end and drive northeast to BKE. Continue north on BKE towards Woodlands Centre Road (final public exit), safely return on local roads, then take BKE south all the way to PIE.

Phase 5 | KPE and TPE

From PIE, reach the southern KPE/MCE interchange using a legal connection and turnaround; then drive KPE north to TPE. Continue east along TPE to its PIE terminus, use a legal interchange/local-road return, and take the entire TPE west to Seletar.

Phase 6 | SLE and home

At Seletar join SLE west and drive its full extent to BKE. Use safe public-road connections in Woodlands to return eastwards on SLE and exit at Yishun.

Border / tunnel precautions

Never perform U-turns or stop on expressways, slip roads, tunnel shoulders or checkpoint approaches. Where a turnback is needed, use an ordinary public-road junction. MCE and KPE tunnels have strict stopping rules. Confirm exact permitted ramps in Google Maps and with on-road signs immediately before driving.

Google Maps planning links — Part 1

Maps may shortcut the intended highway; verify each road and direction before using navigation.

1 · CTE south and Tuas (open Google Maps)

SLE connector → CTE full → AYE west

Start at the SLE/CTE northern junction; cover CTE to AYE. Stay out of Tuas Checkpoint approach.

2 · PIE entire length (open Google Maps)

PIE west-to-east

Join PIE at its western terminus (AYE/Tuas Road), then stay on PIE to Changi South.

3 · ECP entire length (open Google Maps)

ECP east-to-west

Begin at ECP/Airport Boulevard; drive all the way to the Sheares Avenue end, not merely MCE junction.

4 · MCE, then full AYE (open Google Maps)

ECP east → MCE west → AYE west

Use legal Marina-area roads to join ECP east; enter MCE west, continue into AYE to last public Tuas exit.

5 · KJE and BKE north (open Google Maps)

PIE → KJE north → BKE north

Begin KJE at its PIE endpoint, continue to BKE. Exit via Woodlands Centre Road; do NOT follow checkpoint lanes.

Google Maps planning links — Part 2

Continue opening each part after the prior leg. Do not navigate toward the checkpoint as a destination.

6 · BKE south (open Google Maps)

BKE north-to-south

After a legal road return, cover BKE south through its PIE junction.

7 · Return to the KPE southern end (open Google Maps)

PIE east → KPE south → legal turnback

Reach KPE south end near MCE. Google Maps may route elsewhere; this connector needs checking.

8 · KPE north and TPE east (open Google Maps)

KPE full → TPE east to PIE

Rejoin KPE from its southern terminus and follow all the way to TPE; continue east to TPE/PIE endpoint.

9 · TPE and SLE full (open Google Maps)

TPE west → SLE west

Use legal roads to begin TPE at its PIE end; continue west along TPE then full SLE to BKE.

10 · Return to Yishun (open Google Maps)

SLE east / Yishun exit

Use safe local-road connections to access eastbound SLE; end in Yishun.

ERP, timing and sources

Starting at 10:00 am

A 10 am start avoids much of the weekday morning peak but is not necessarily ERP-free. LTA publishes gantry-specific rates by time and direction. Saturdays, Sundays and public holidays presently have no ERP charges. For a weekday drive, assess ERP for each citybound portion. Allow 5–7+ hours with breaks rather than assuming you will be home by 3 pm.

Google Maps versus an exact expressway path

These Google Maps URLs use route anchors, not recorded GPS tracks. They cannot force Google Maps to keep every interchange as written, and mobile-browser waypoint support can be limited. You should inspect each link beforehand and modify routes as needed. If the itinerary is not reproduced, prioritize safe, legal driving rather than forcing an exit.

Checkpoint rule

Do not follow signs that commit you to Woodlands Checkpoint or Tuas Checkpoint unless you deliberately intend to cross the border with appropriate documentation. The accessible Singapore-only version stops just short of these terminal approaches.

Sources and checks

LTA Expressways
LTA ERP information
Google Maps URL documentation
Google My Maps import information
PIE route and interchanges
CTE south-end ramp note
ECP Sheares Avenue terminus
BKE checkpoint end
AYE checkpoint end