

### Road Expansion, New Traffic Signals In Isa Town's Educational Area

AB

BAHRAIN - DECEMBER 06, 2024



TDT | Manama

Email: [mail@newsfbahrain.com](mailto:mail@newsfbahrain.com)

Traffic flow in Isa Town's educational area is set to improve following the completion of major upgrades to Roads 4109, 4013, and Bahraini Youth Avenue, with expanded lanes and new traffic signals expected to triple vehicle capacity. The Ministry of Works explained that Road 4109 has been rebuilt as a dual carriageway with two lanes in each direction.

New traffic signals were installed at its junction with the road leading to Shaikh Salman Highway and at the entrance to Bahrain Training Institute to manage vehicle flow more effectively. The project is expected to increase capacity from 1,000 vehicles per hour to 3,000 by expanding the road and adding service lanes to ease access to nearby facilities.

In a similar push, the second phase of upgrades to Bahraini Youth Avenue in the educational area has also been finished. The improvements cover an 800-metre stretch designed to accommodate heavier traffic and enhance safety for students and staff from nearby educational institutions.

#### Dual carriageway

The avenue has been widened into a dual carriageway with two lanes in both directions, and a new traffic signal was installed at its intersection with Road 4111. The expanded road is expected to handle up to 3,000 vehicles per hour, three times its previous capacity.

<https://www.newsfbahrain.com/bahrain/105999.html>

### What Happened:

Bahrain completed major upgrades in the Isa Town educational area, widening Roads 4109/4013 and Bahraini Youth Avenue into dual carriageways, adding new traffic signals, pavements, lighting and drainage. Capacity on key approaches is cited as rising from 1,000 to 3,000 vehicles/hour and an eastern entrance “deceleration lane” from 850 to 1,700 vph.

### Why it matters locally:

Expanding the roads may bring more cars to the school frontage, but the real bottleneck remains at the gate where cars, buses, and pedestrians all converge at the same time. This leads to unsafe crossings, double parking, and long queues. To turn these investments into safer and faster mornings, curbside and gate operations need to be carefully organized and systematically measured.

### Solutioners POV

- Pair capacity with gate operations: separate bus bay, a one-way car drop-off loop (20–30 cars), and a protected

pedestrian gate/crossing offset from vehicle flows.

- Stage arrivals, not everyone at once: buses 10 minutes earlier; lower/upper grades in 10-minute windows; crossing-guard roster.
- Manage the curb: short-stay (10–15 min) near gates, no-stop at pinch points, and clear loading, ride-hail bays to eliminate double-parking.

### 90 Day Plan:

#### Weeks 0–2 — Baseline

- Measure the average dwell time per car.
- Measure queue length at bell time.
- Record time needed to fully clear traffic.
- Identify double-parking hot spots.
- Run a quick parent pulse survey via QR code.

#### Weeks 2–6 — Tactical layout

- Use cones/markings to set up a one-way loop.
- Designate a separate bus bay.
- Add a raised and clearly marked pedestrian crossing.
- Prevent U-turns in front of the school.
- Signpost short-stay (10–15 min) zones and no-stop areas.

#### Weeks 4–8 — Operations & comms

- Introduce staggered arrival windows for different grades.
- Assign a team of: 3 crossing guard + 1 queue manager.
- Share a simple one-page arrivals map.
- Produce a 60-second explainer video (WhatsApp-ready).

#### Weeks 8–12 — Optimize & lock-in

- Adjust arrival windows and lane lengths based on results.

- 
- Convert effective measures into semi-permanent solutions.
  - Publish a simple update showing KPIs.

KPI

- $\leq 4$  min average dwell/car at the gate
- $\leq 10$  min time-to-clear after the bell
- -70% double-parking incidents near gates
- +5 pp shift to bus/walk share
- $\geq 80\%$  parent satisfaction (pulse survey)

CTA

Have a similar challenge? Contact us and we'll deliver a tailored, KPI-driven 90-day solution for your site.