Is this road really closed?

NAP Roadworks Viewer: check DATEX II roadworks feeds and link them to the road network, lane by lane

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graphmasters
collaborative routing

Lanes, not pins
Which lanes, directions and road users are affected.

Visible quality
Selected TISA RTTI 5-Star criteria, file by file.

From feed to road
Each record matched to OpenStreetMap ways.

Free, open, private
Apache-2.0. Runs in the browser, no upload.

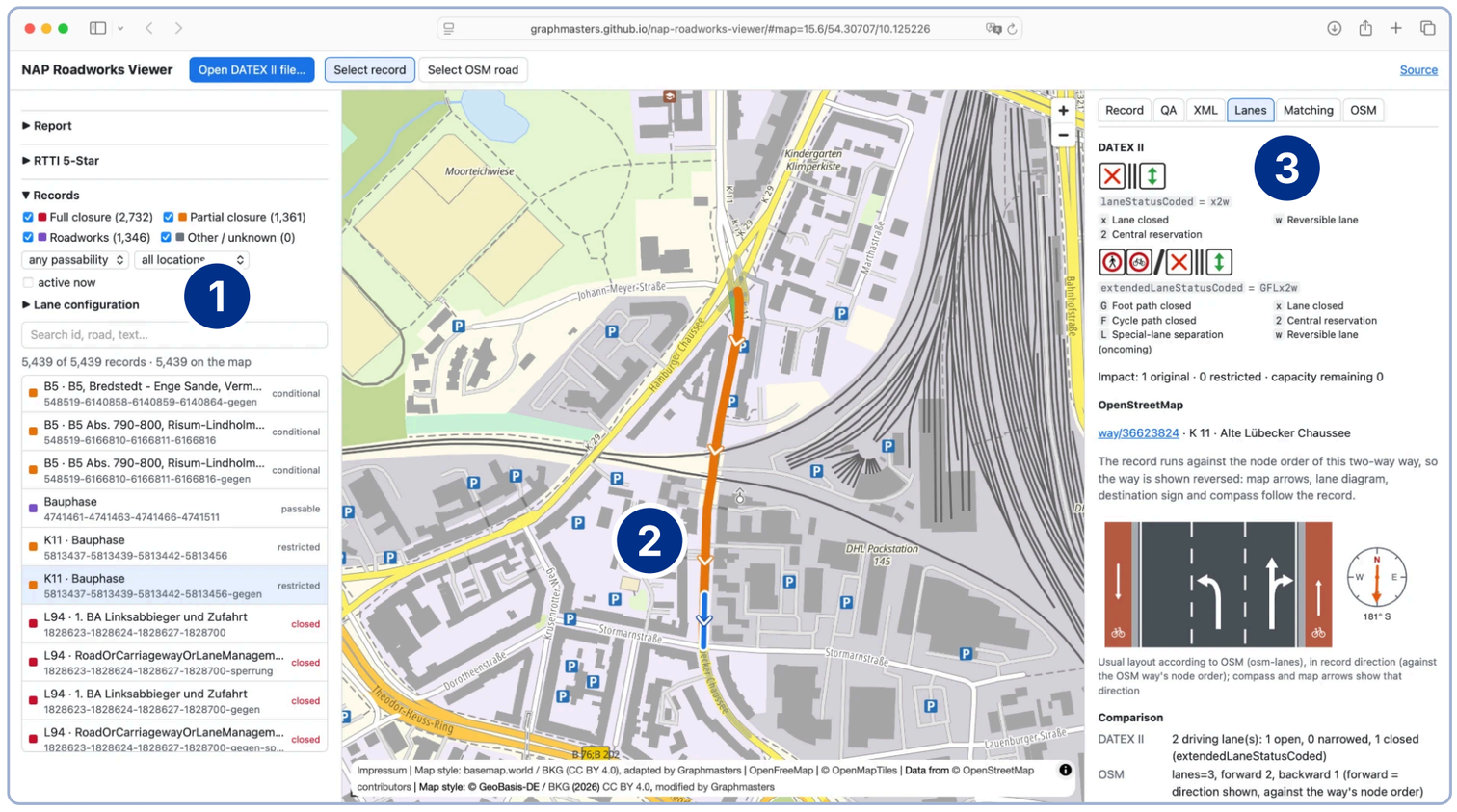


Fig. 1 NAP Roadworks Viewer showing the DATEX II feed from lbv-sh.de, 9 Nov 2026, a positive example of a feed that reports cycle path closures. ❶ Records and filters. ❷ Record geometry on the map. ❸ Lane status from DATEX II and OSM road network data.

Why it matters

NAPs publish roadworks as DATEX II. Navigation needs more than a coordinate: which road, direction and lanes – and is it really impassable?

DATEX II file v2 or v3, local

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❶ **Check** schema, profile, RTTI

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❷ **Locate** map, OSM ways

↓

❸ **Interpret** lanes vs. OSM

↓

Routing hint block · pass · review

Restricted ≠ closed

Cycle-path works on the K 49 near Puttgarden (Fehmarn). Lane code `Fu2o`: cycle path closed, both driving lanes open, as in OSM.

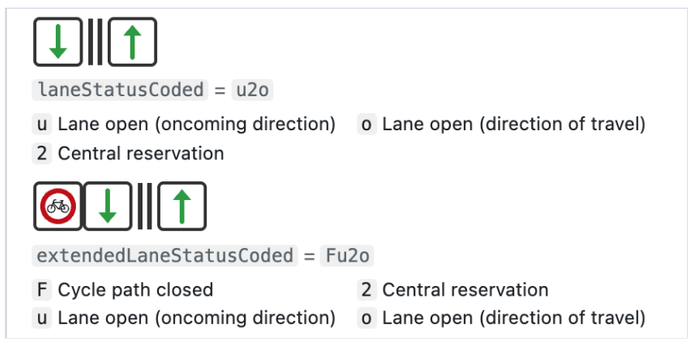


Fig. 2 Lane status decoded by the viewer. LBV.SH record 3530528-…-5688423.

Routing hint: passable, do not block.

Closed or not?

K 36, Gleschendorf: a `roadClosed` record whose cause only says `H2H` (no stopping/parking, lanes are open for driving). The viewer flags a potential inconsistency.

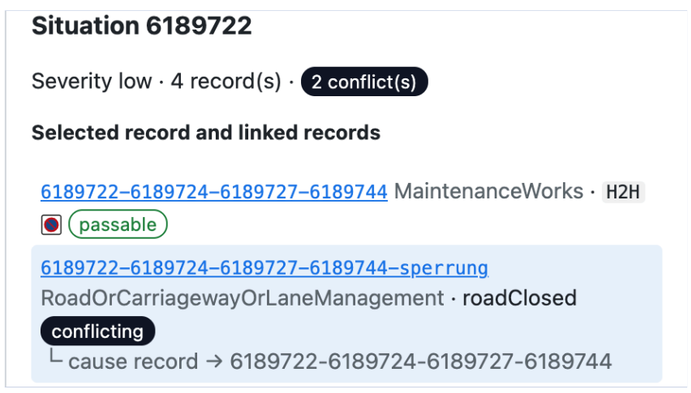


Fig. 3 Situation 6189722 (DQ-RW-001): closure conflicting, cause passable. LBV.SH.

Routing hint: manual review; only the publisher can tell.

RTTI 5-Star Rating

One file only gives a ceiling. Typical problems and fixes:

Criterion	Problem → fix	Max
Polyline	point only	0★
critical	→ add a line	→ 5★
Direction	not tied to the line	2★
critical	→ state it on the line	→ 5★
Message ID	ID reused	2★
critical	→ stable unique IDs	→ 5★
Correctness	closure vs. cause	by %
critical	→ resolve conflicts	→ 5★
Completeness	end time missing	by %
critical	→ add end time	→ 5★
Format	DATEX II v2	3★
high	→ v3 + ref. profile	→ 5★
Location	coordinates only	3★
high	→ add OpenLR	→ 5★

Critical criteria limit the overall rating most.

What it does not do

- No update cycle, timeliness or availability from one file.
- Ceilings from selected criteria, not an official TISA rating.
- Match scores rank candidates; they are not probabilities.
- A flagged contradiction calls for review; it proves no error.

Try it with your NAP feed

1. Open graphmasters.github.io/nap-roadworks-viewer
2. Drop in a DATEX II file

Which checks do you need? Issues and pull requests welcome.

github.com/Graphmasters/nap-roadworks-viewer

References. TISA, RTTI 5-Star Rating Specification v1.0 (21 Oct 2025), tisa.org · DATEX II v2/v3; German MDM roadworks profile 04-00-00 · OpenStreetMap: © OpenStreetMap contributors (ODbL), openstreetmap.org/copyright. **Data:** Landesbetrieb Straßenbau und Verkehr Schleswig-Holstein (LBV.SH), strasseninfo-sh.de, via Mobilithek, mobilithek.info/offers/110000000003237002, snapshot 2026-11-09. **Software:** NAP Roadworks Viewer, Apache-2.0, commit `51bc825`; code generated with Claude (Anthropic) under human direction and review.