Appendix E: Indicative overview of requirements of NDW's partners

NOTE: This document has no legal status. The legally binding information about this tender you will find in the document *Beschrijvend Document* published in TenderNed.

Requirement (application)	Likelihood	Start	Purchase of:				Data source				Notes
			Raw data	Information	Product	Service	Floating Car Data	Probe Vehicle Data	Cellular data	Crowdsourced data	
Supporting operational processes of road managers for safety-related use cases	High	Q1, 2022									Safety-related vehicle data. E.g.: support relating to extreme weather conditions, incident management, ice control and reduced visibility. Data and information products in addition to the applicable European legislation.
Quality partner	Medium	Q3, 2022									This concerns a quality check on data streams in the form of a product or service (e.g. a check on roadworks feed based on FCD data).
Winter and asset management	High	Q1, 2023									This concerns the purchase of raw vehicle data and dashboards to support road managers' operational processes.

Requirement (application)	Likelihood	Start	Raw data	Information	Product	Service	Floating Car Data	Probe Vehicle Data	Cellular data	Crowdsourced data	Notes
Static policy data for road managers and local authorities	High	Q1, 2022									Collecting, digitising and making available static policy information (e.g. environmental zones, window times, school zones and logistical data (such as parking bans for trucks, loading and unloading bays and preferred routes)).
Road signs, directional signage, road features, etc.	High	Q2, 2022									E.g. orders and prohibitions as part of an ongoing pilot. Data and information can also come from: cameras in cars, GPS location (map data), CAN data (speed, temperature, etc.).
Safety analyses	High	Q1, 2022									• This concerns work in connection with the road safety task force (SPIs based on raw FCD data, among other things). • The analysis of historical vehicle data (near misses, ABS reports, e-call). • BRON data (e.g. traffic accident records, police data, bicycle accidents and e-call) full coverage and insight.

Requirement (application)	Likelihood	Start	Raw data	Information	Product	Service	Floating Car Data	Probe Vehicle Data	Cellular data	Crowdsourced data	• Notes
Data quality	High	Q2, 2022									• Reference measurements (e.g. based on FCD traces) for checking aspects such as intensities and safety data from national monitoring. • Parking data (e.g. on the basis of OBU or FCD data)
Prediction	Medium	Q4, 2022									Prediction based on historic and real-time data (e.g. loop data, FCD and vehicle data) for traffic management and incident prevention, among other things.
Congestion tail protection in area without signals	High	Q2, 2023									Successor to the SPS pilot (PVD/FCD as information/service)
High frequency FCD	Medium	Q3, 2022									E.g. for curve investigation.
Logistics data	High	Q1, 2022									Relates to GPS traces
Situation reports	High	Q1, 2022									Mainly crowdsourced data (reports). E.g. incident reports.
Origin destination data	High	Q1, 2022									This includes the movements between zones after dividing an area into zones, intersection relationships at lane level and selected link analysis for lanes.
Map data	High	Q1, 2022									Road managers' basic registration in order.
Map verification	High	Q1, 2022									This will probably involve raw data, such as satellite data and data from map suppliers.
Approaching emergency and rescue services	Low	Q1, 2023									Follow-up to a current pilot/project (2 years).
FCD	High	Q1, 2025									This concerns minute data of speeds and travel times.