Information flow

Stakeholders are marked with (●) when they must provide the information; with (○) when they must use the information provide by others and (▲) when they do not really use the information but they can have access to it for recording purposes

Stage	Parameter	Road Owner–Publ. Ad.	Designer	Bitumen supplier	Aggregate supplier	Additives suppliers	Asphalt plant	Carriers	Paving equipment	Compaction equipment	Inspection/survey body	Milling company
Tender	Job identifier	●	○	○	○	○	○	○	○	○	○	○
	Site name / coordinates	●	○	○	○	○	○	○	○	○	○	○
	Job name	●	○	○	○	○	○	○	○	○	○	○
	Layer name	●	○	○	○	○	○	○	○	○	○	○
	Tender documents	●	○	○	○	○	○	○	○	○	○	○
Planning	Costs	○	○	●	●	●	●	●	●	●		●
	Planned quantities	▲	●	○	○	○	○	○	○	○		○
	Request-delivery time	▲	○									
	Work flow	▲	●	○	○	○	○	○	○	○		○
	Machinery/labour allocation	▲	●					○	○	○		
Design	Material type	▲	●				○		○	○	○	○
	Aggregate source	▲	○		●		○				○	
	Aggregate gradation	▲	●		●		○				○	
	Binder characteristics	▲	●	●			○				○	○
	Binder content	▲	●				○				○	○
	Additives types and contents	▲	●			●	○				○	○
	Characteristics of RAP to be used	▲	○									●
	RAP content	●	●				○					
	Nominal resistance	▲	●								○	
	Nominal stiffness	▲	●								○	
	Layer thickness	▲	●				○		○	○	○	○
	Other installations	●	○						○	○	○	
Plant production	UUID universally unique identifier	▲					●				○	
	Plant type	▲					●				○	
	Tonnes per type test	▲					●				○	
	Standards for type tests	▲					●				○	
	Quantity produced out of temp. range	▲					●				○	
	Number of non-conformations	▲					●				○	
	Inspection frequency per asphalt ton	▲					●				○	
	Overview production control results	▲					●				○	
Transport	Licence plate	▲						●	○	○	○	
	Batch reference	▲						●	○	○	○	
	Type of product transported	▲						●	○	○	○	
	Weight of load	▲						●	○	○	○	

Stage	Parameter	Road Owner–Publ. Ad.	Designer	Bitumen supplier	Aggregate supplier	Additives suppliers	Asphalt plant	Carriers	Paving equipment	Compaction equipment	Inspection/survey body	Milling company
On-site work: Paver	UUID universally unique identifier	▲							●	○	○	
	SN of machine	▲							●	○	○	
	Machine model	▲							●	○	○	
	Temperature measuring principle (spot, scanner)	▲							●	○	○	
	Screed maximum width left (from centre)	▲							●	○	○	
	Screed maximum width right (from centre)	▲							●	○	○	
	Driving speed	▲							●	○	○	
	Driving direction (forward / backward)	▲							●	○	○	
	Paving status (on / off = driving not paving)	▲							●	○	○	
	Screed width left (from centre)	▲							●	○	○	
	Screed width right (from centre)	▲							●	○	○	
	Asphalt temperature in hopper	▲							●	○	○	
	Asphalt temperature behind screed	▲							●	○	○	
	Ambient air temperature	▲							●	○	○	
	Quantity laid out of temp. range	▲							●	○	○	
	Timestamp (ISO8601 / UTC)	▲							●	○	○	
	Data Position latitude	▲							●	○	○	
	Data Position longitude	▲							●	○	○	
	Heading	▲							●	○	○	
	Correction Signal type / FixQuality	▲							●	○	○	
	Signal precision / Standard deviation	▲							●	○	○	
On-site work: Compactor	UUID universally unique identifier	▲							○	●	○	
	SN of machine	▲							○	●	○	
	Machine model	▲							○	●	○	
	Temperature measuring principle (spot, scanner)	▲							○	●	○	
	Compaction measuring principle	▲							○	●	○	
	Compaction principle rear (steel drum / tire)	▲							○	●	○	
	Compaction principle front (steel drum / tire)	▲							○	●	○	
	Excitation rear (vibration / oscillation / directed / none)	▲							○	●	○	
	Excitation front (vibration / oscillation / directed / none)	▲							○	●	○	
	Drum width	▲							○	●	○	
	Machine weight / Axis load	▲							○	●	○	
	Driving speed	▲							○	●	○	
	Driving direction (forward / backward)	▲							○	●	○	

		Road Owner–Publ. Ad.	Paving equipment	Compaction equipment	Inspection/survey body	
	Crab steering offset	▲	○	●	○	

Stage	Parameter	Stakeholders										
		Road Owner–Publ. Ad.	Designer	Bitumen supplier	Aggregate supplier	Additives suppliers	Asphalt plant	Carriers	Paving equipment	Compaction equipment	Inspection/survey body	Milling company
On-site work: Compactor (contin.)	Vibration setting rear (small / big / off)	▲							○	●	○	
	Vibration setting front (small / big / off)	▲							○	●	○	
	Asphalt Surface Temperature(s)	▲							○	●	○	
	Compaction measurement value	▲							○	●	○	
	Timestamp (ISO8601 / UTC)	▲							○	●	○	
	Data Position latitude	▲							○	●	○	
	Data Position longitude	▲							○	●	○	
	Heading	▲							○	●	○	
	Correction Signal type / FixQuality	▲							○	●	○	
	Signal precision / Standard deviation	▲							○	●	○	
	Number of roller passes	▲							○	●	○	
	Quantity comp. out of temp. range	▲							○	●	○	
	Quantity comp. out of density range	▲							○	●	○	
	Other deviations (quality parameters)	▲							○	●	○	
Service	Traffic level	○									●	
	Ambient temperature	○									●	
	Rainfall	○									●	
	Extraordinary events	○									●	
	Registered maintenance works	○									●	
	Pathologies found	○									●	
	Overview of inspection results	○									●	
End-of-life	Gradation of milled material	▲	○									●
	Old bitumen content	▲	○									●
	Physical-mechanical-chemical prop.	▲	○									●
	Service years	●	○									
	Quantity of material to landfill	●	○				○					○
	Quantity of material recycled as RAP	●	○				○					○
	(RAP content in new project)	●—●					○					