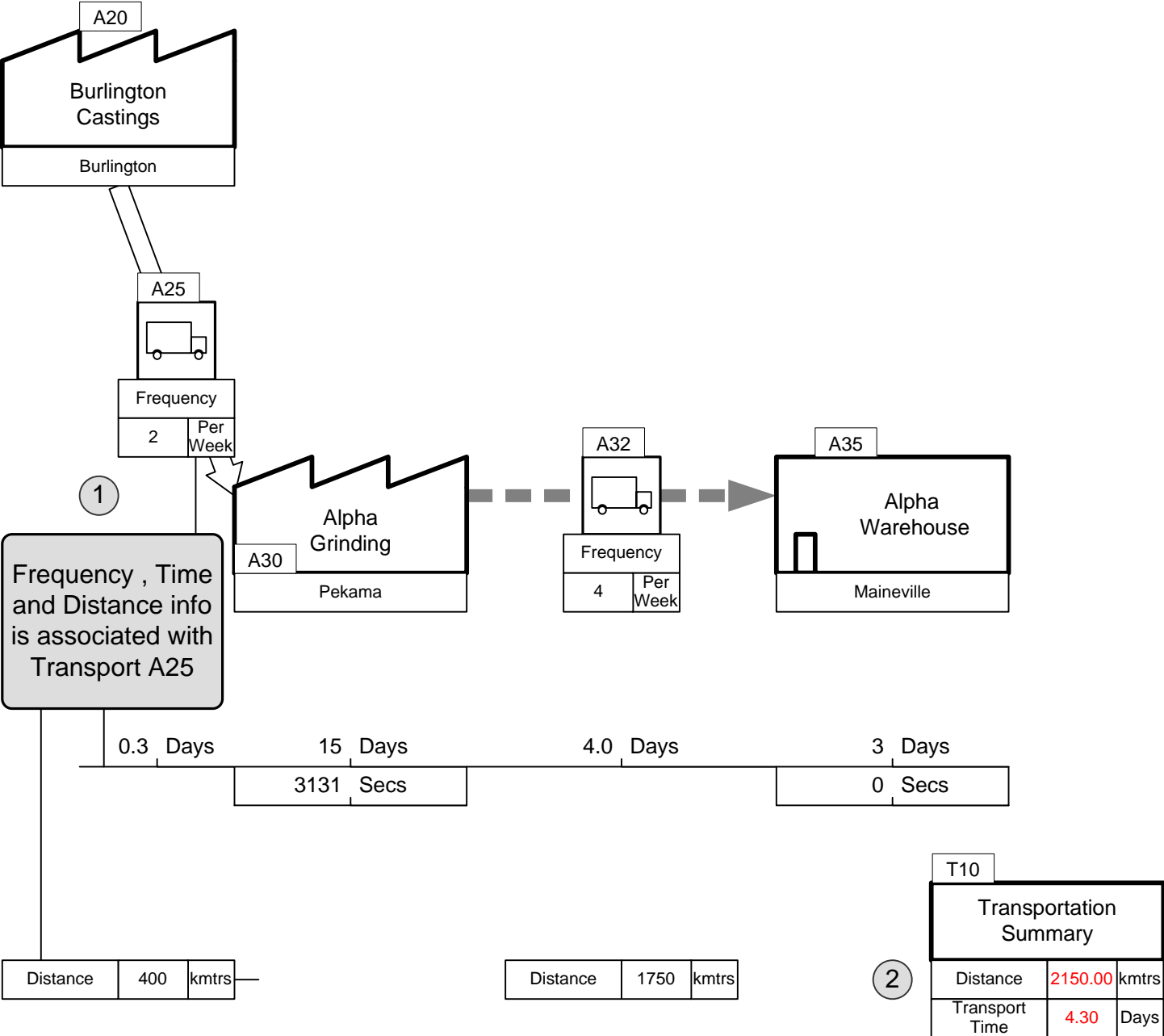


Transportation Metrics

When dealing with lean logistics it may be important to understand transportation metrics. These can be represented on enterprise level value stream maps. A simple example is provided below.

For comprehensive coverage of enterprise level mapping, refer to the book “Seeing The Whole” published by the Lean Enterprise Institute.

Value Stream Map



Value Stream Calculator

The eVSM calculator transfers map data to an Excel spreadsheet. It also transfers the results of calculations in Excel back onto the map for display

Transportation processes have their own rows in the spreadsheet. In this example metrics of frequency, time and distance have been applied. In general any useful metrics (like shipping size, defect %, cost) can be associated with the transport

1

	B	C	D	E	F	G	H	I
1	Tag	Operation	VA	NVA	Text	Data	Data	Data
2			value added	non value added	Text1	distance	frequency	transport time
3			secs	days	Text	kmtrs	per week	days
4								
5	A020	Burlington Castings			Burlington			
6	A025	Truck Transport		0.30		400.00	2.00	
7	A030	Alpha Grinding	3131.00	15.00	Pekama			
8	A032	Truck Transport		4.00		1750.00	4.00	
9	A035	Alpha Warehouse	0.00	3.00	Maineville			
10	T010	Transportation Summary				2150.00		4.30
11								

2

Total Distance Traveled = Truck A25 Dist + Truck A32 Dist
 = G6 + G8
 = 400 + 1750
 = 2150