

Induced Demand Survey Monkey Results

AITPM TMN conducted an online survey of the transport professionals aligned to the 6 dimensions of induced demand outlined in Graham Mounsey's paper.

There are no right or wrong answers.

We were simply seeking to understand the extent to which the AITPM community is aligned in its definition of induced demand.

Here's the results...

Q1. Mode? (select one)	Motor vehicle (traffic)	21%
	Public transport	0%
	Bike	0%
	Walk	0%
	All modes	79%
Q2. Time period? (select one)	Peak	22%
	All day	78%
Q3. Source? (select multiple)	Change route	68%
	Switch mode	74%
	Departure time	57%
	Vehicle occupancy	26%
	Different destination	49%
	New development	49%
	Entirely new trip	78%
Q4. Subject? (select one)	Vehicles	40%
	Persons	60%
Q5. Metric? (select one)	Trips	76%
	Distance	13%
	Time	10%
Q6. Spatial extent? (select one)	Local	22%
	City-wide	78%

This table shows the % response to individual questions.

Respondents could select multiple responses to Q3, and only a single response to the other questions.

None of the questions achieved 100% agreement on any responses.

75% of respondents had a unique definition of induced demand (i.e. not matched by anyone else)

Top 5 common responses are shown in this table

Most popular response was only agreed upon by **7%** of respondents (see first column)

		% of respondents				
		7%	6%	4%	4%	3%
Q1. Mode? (select one)	Motor vehicle (traffic)					
	Public transport					
	Bike					
	Walk					
	All modes	✓	✓	✓	✓	✓
Q2. Time period? (select one)	Peak					
	All day	✓	✓	✓	✓	✓
Q3. Source? (select multiple)	Change route		✓	✓	✓	✓
	Switch mode		✓	✓	✓	✓
	Departure time		✓	✓	✓	✓
	Vehicle occupancy		✓	✓		
	Different destination		✓	✓	✓	✓
	New development		✓	✓	✓	
	Entirely new trip	✓	✓	✓	✓	✓
Q4. Subject? (select one)	Vehicles					
	Persons	✓	✓	✓	✓	✓
Q5. Metric? (select one)	Trips	✓	✓		✓	✓
	Distance			✓		
	Time					
Q6. Spatial extent? (select one)	Local					
	City-wide	✓	✓	✓	✓	✓

Q3 (source?) was the only question where multiple responses were permitted...

No. of sources selected	% respondents
1	18%
2	7%
3	18%
4	15%
5	16%
6	10%
7	16%
Total	100%

➔ Breakdown of the sole source:

Change route	1%
Switch mode	1%
Departure time	0%
Vehicle occupancy	0%
Different destination	0%
New development	1%
Entirely new trip	13%
Total	18%

Very little agreement over **how many** demand responses contribute to induced demand

13% of respondents are purists, believing “entirely new trips” are the sole source of induced demand

Conclusion

As foreshadowed in Graham's paper, the Survey Monkey results confirm there is limited agreement in the transport planning profession over how to define "induced demand".