

QUESTIONS 1

Links

The screenshot displays the Network Editor interface. On the left is a 'Network Objects' panel with a 'Links' tab. The main window shows an aerial map with a network of roads. A 'Links / Lanes' table is overlaid on the map, listing 22 links. The table columns are: Count, No, Name, LinkBehavType, DisplayType, Level, NumLanes, and Length2D. Link 1 is highlighted in yellow. A 'Quick View (Vehicle Inputs)' panel is open at the bottom left, showing details for link 1: No. 4, Name, Link 3, Volume(0-MAX) 500.0, and VehComp(0-MAX) 1: Default. A status bar at the bottom left shows '530.83937.1'.

Count	No	Name	LinkBehavType	DisplayType	Level	NumLanes	Length2D
1	1		1: Urban (motorized)	1: Road gray	1: Base	1	312.958
2	2		1: Urban (motorized)	1: Road gray	1: Base	2	296.939
3	3		1: Urban (motorized)	1: Road gray	1: Base	2	273.577
4	4		1: Urban (motorized)	1: Road gray	1: Base	1	81.451
5	5		1: Urban (motorized)	1: Road gray	1: Base	1	185.695
6	6		1: Urban (motorized)	1: Road gray	1: Base	1	64.920
7	8		1: Urban (motorized)	1: Road gray	1: Base	1	192.038
8	11		1: Urban (motorized)	1: Road gray	1: Base	1	66.012
9	12		1: Urban (motorized)	1: Road gray	1: Base	1	66.477
10	14		1: Urban (motorized)	1: Road gray	1: Base	1	285.565
11	10000		1: Urban (motorized)	1: Road gray		1	11.137
12	10002		1: Urban (motorized)	1: Road gray		1	30.529
13	10003		1: Urban (motorized)	1: Road gray		1	48.131
14	10004		1: Urban (motorized)	1: Road gray		1	49.342
15	10005		1: Urban (motorized)	1: Road gray		1	32.196
16	10006		1: Urban (motorized)	1: Road gray		1	7.654
17	10010		1: Urban (motorized)	1: Road gray		1	14.901
18	10013		1: Urban (motorized)	1: Road gray		1	15.507
19	10014		1: Urban (motorized)	1: Road gray		1	12.665
20	10015		1: Urban (motorized)	1: Road gray		1	11.438
21	10016		1: Urban (motorized)	1: Road gray		1	11.282
22	10017		1: Urban (motorized)	1: Road gray		1	14.529

Object Count:22

Link one is an urban motorized line which has only one lane with length of 312.958 m.

DESIRABLE SPEED DECISIONS

The screenshot shows the PTV Visum 2022 (SP 00) Student Version interface. The main window displays a map of a road network. A table titled 'Desired Speed Decisions / Desired speed distributions' is open, showing data for three objects. The table has columns for Count, No, Name, Lane, Pos, TimeFrom, TimeTo, DesSpeedDistr(1), and DesSpeed. The data indicates that lane 12 - 1 has a desirable speed of 30 km/h, while lanes 10014 - 1 and 10016 - 1 have a desirable speed of 50 km/h.

Count	No	Name	Lane	Pos	TimeFrom	TimeTo	DesSpeedDistr(1)	DesSpeed
1	1	12 - 1		11.332	0	999999	30: 30 km/h	
2	2	10014 - 1		1.182	0	999999	50: 50 km/h	
3	3	10016 - 1		1.080	0	999999	50: 50 km/h	

Object Count:3

Lane 12 -1 has a desirable speed of 30km/h

REDUCED SPEED AREAS

The screenshot displays the PTV Visum 2022 (SP 00) Student Version interface. The main window shows a network editor with a 3D aerial view of a road network. A yellow highlight indicates a reduced speed area on lane 1005. The 'Reduced Speed Areas / Speed reductions' dialog box is open, showing a table with 8 entries. The first entry (Count 1) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005. The second entry (Count 2) shows a speed reduction from 30 km/h to 20 km/h for a length of 2,000 meters on lane 1005. The third entry (Count 3) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005. The fourth entry (Count 4) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005. The fifth entry (Count 5) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005. The sixth entry (Count 6) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005. The seventh entry (Count 7) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005. The eighth entry (Count 8) shows a speed reduction from 30 km/h to 12 km/h for a length of 2,000 meters on lane 1005.

Count	No	Name	Lane	Pos	Length	TimeFrom	TimeTo	DesSpeedDistr(1)
1	1		10005 - 1	14.501	2,000	0	999999	
2	2		10002 - 1	11.875	2,000	0	999999	
3	3		10003 - 1	20.504	2,000	0	999999	
4	4		10004 - 1	22.765	2,000	0	999999	
5	5		10014 - 1	5.893	2,000	0	999999	12: 12 km/h
6	6		10013 - 1	6.154	2,000	0	999999	12: 12 km/h
7	7		10015 - 1	5.307	2,000	0	999999	12: 12 km/h
8	8		10016 - 1	5.671	2,000	0	999999	20: 20 km/h

Object Count:8

Lane 1005 has its speed reduced from 30km/h to 12km/h for a length of 2m

CONFLICT AREAS

Headquarters 10\jnx - PTV Vissim 2022 (SP 00) Student Version

File Edit View Lists Base Data Traffic Signal Control Simulation Evaluation Presentation Actions Help

Conflict Areas

Network Objects Network Editor

Conflict Areas

Count: 20 Link1 VisibLink1 Link2 VisibLink2 Status FrontGapDef RearGapDef MinGapBlockDef MesoCntGap SafeDistFactDef AddStopDist ObsAdjLns AnticipRout Avoid

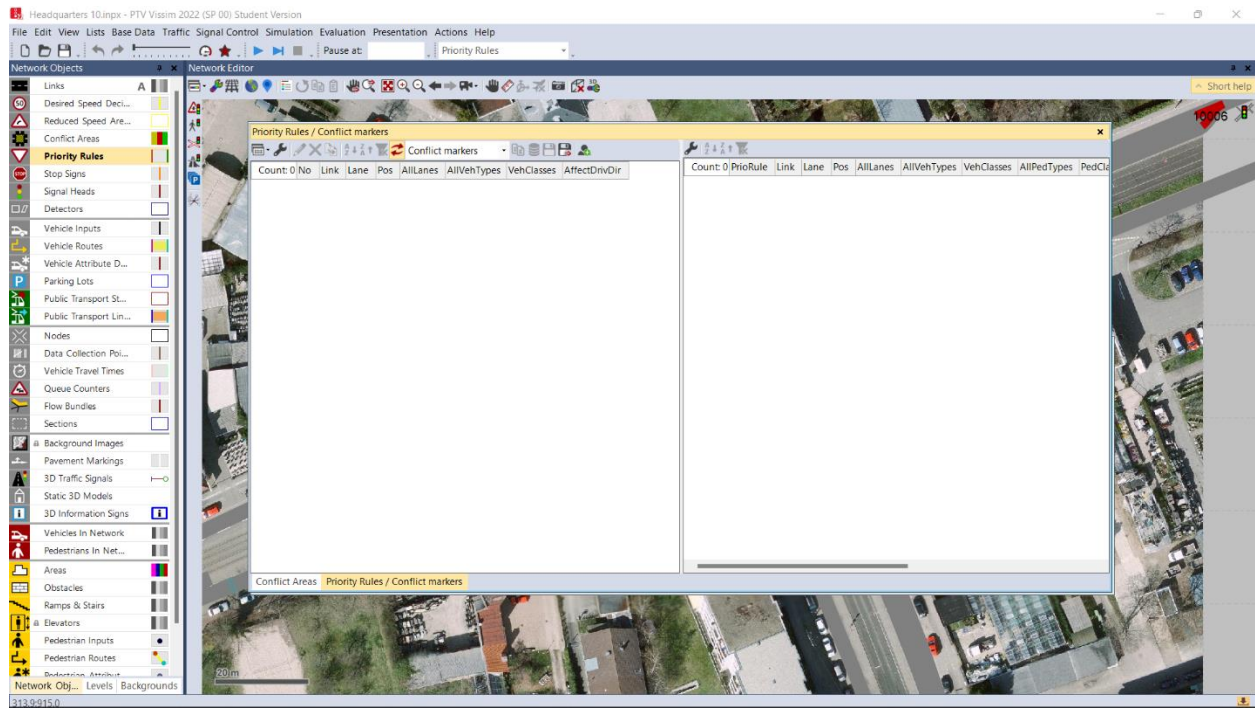
1	10006	100.0	1	100.0	Undetermined	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
2	1	100.0	10003	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
3	10003	100.0	10004	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
4	10004	100.0	10005	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
5	6	100.0	8	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
6	8	100.0	10010	100.0	Undetermined	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
7	2	100.0	10013	100.0	Undetermined	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
8	12	100.0	10013	100.0	1 waits for 2	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
9	2	100.0	10014	100.0	2 waits for 1	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
10	11	100.0	10014	100.0	Undetermined	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
11	2	100.0	12	100.0	2 waits for 1	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
12	2	100.0	10015	100.0	2 waits for 1	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
13	2	100.0	10016	100.0	2 waits for 1	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
14	10015	100.0	10016	100.0	2 waits for 1	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
15	14	100.0	10002	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
16	14	100.0	10003	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
17	14	100.0	10004	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
18	14	100.0	10005	100.0	Passive	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
19	3	100.0	10015	100.0	Undetermined	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %
20	3	100.0	10016	100.0	2 waits for 1	0.5	0.5	0.5	3.0	1.5	0.0	<input type="checkbox"/>	0.0 %

503.6855.0

Object Count:20

Link 1006 and link 1 crosses or merges to form a conflict point at some part, the type of conflict point is undetermined

PRIORITY RULES



Object Count:0

CONNECTORS

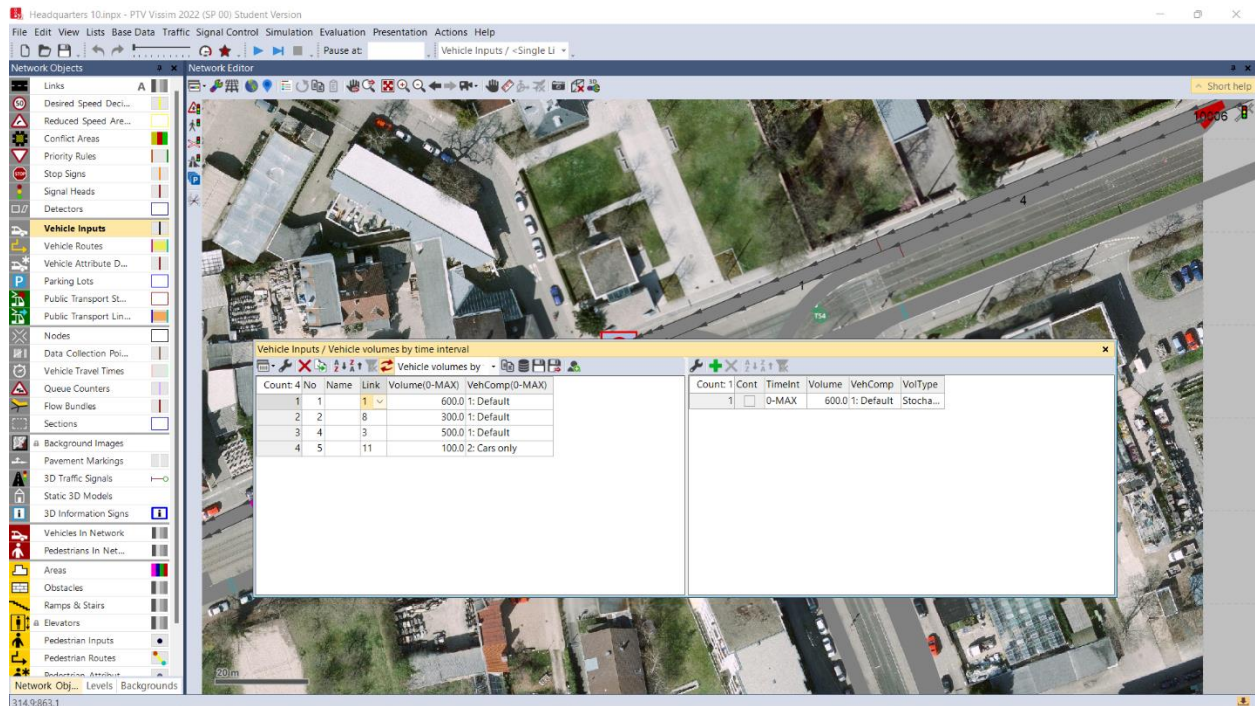
The screenshot displays the PTV Vissim 2022 (SP 00) Student Version interface. The 'Links / Lanes' table is open, showing a list of 22 links. The table has columns: Count, No, Name, LinkBehavType, DisplayType, Level, NumLanes, and Length3D. The 12th link (No. 12) is highlighted in yellow, corresponding to the 'Object Count:12' mentioned in the text. The 3D view on the right shows a road intersection with a yellow dashed line indicating the location of the connector on lane 1000.

Count	No	Name	LinkBehavType	DisplayType	Level	NumLanes	Length3D
1	1	1: Urban (motorized)	1: Road gray	1: Base	1	312.958	
2	2	1: Urban (motorized)	1: Road gray	1: Base	2	291.312.958037	
3	3	1: Urban (motorized)	1: Road gray	1: Base	2	273.577	
4	4	1: Urban (motorized)	1: Road gray	1: Base	1	81.451	
5	5	1: Urban (motorized)	1: Road gray	1: Base	1	185.695	
6	6	1: Urban (motorized)	1: Road gray	1: Base	1	64.920	
7	8	1: Urban (motorized)	1: Road gray	1: Base	1	192.038	
8	11	1: Urban (motorized)	1: Road gray	1: Base	1	66.012	
9	12	1: Urban (motorized)	1: Road gray	1: Base	1	66.477	
10	14	1: Urban (motorized)	1: Road gray	1: Base	1	285.565	
11	10000	1: Urban (motorized)	1: Road gray	1: Base	1	11.137	
12	10002	1: Urban (motorized)	1: Road gray	1: Base	1	30.529	
13	10003	1: Urban (motorized)	1: Road gray	1: Base	1	48.131	
14	10004	1: Urban (motorized)	1: Road gray	1: Base	1	49.342	
15	10005	1: Urban (motorized)	1: Road gray	1: Base	1	32.196	
16	10006	1: Urban (motorized)	1: Road gray	1: Base	1	7.654	
17	10010	1: Urban (motorized)	1: Road gray	1: Base	1	14.901	
18	10013	1: Urban (motorized)	1: Road gray	1: Base	1	15.507	
19	10014	1: Urban (motorized)	1: Road gray	1: Base	1	12.665	
20	10015	1: Urban (motorized)	1: Road gray	1: Base	1	11.438	
21	10016	1: Urban (motorized)	1: Road gray	1: Base	1	11.282	
22	10017	1: Urban (motorized)	1: Road gray	1: Base	1	14.529	

Object Count:12

First connector can be found on lane 1000 and its length is 11.137 m

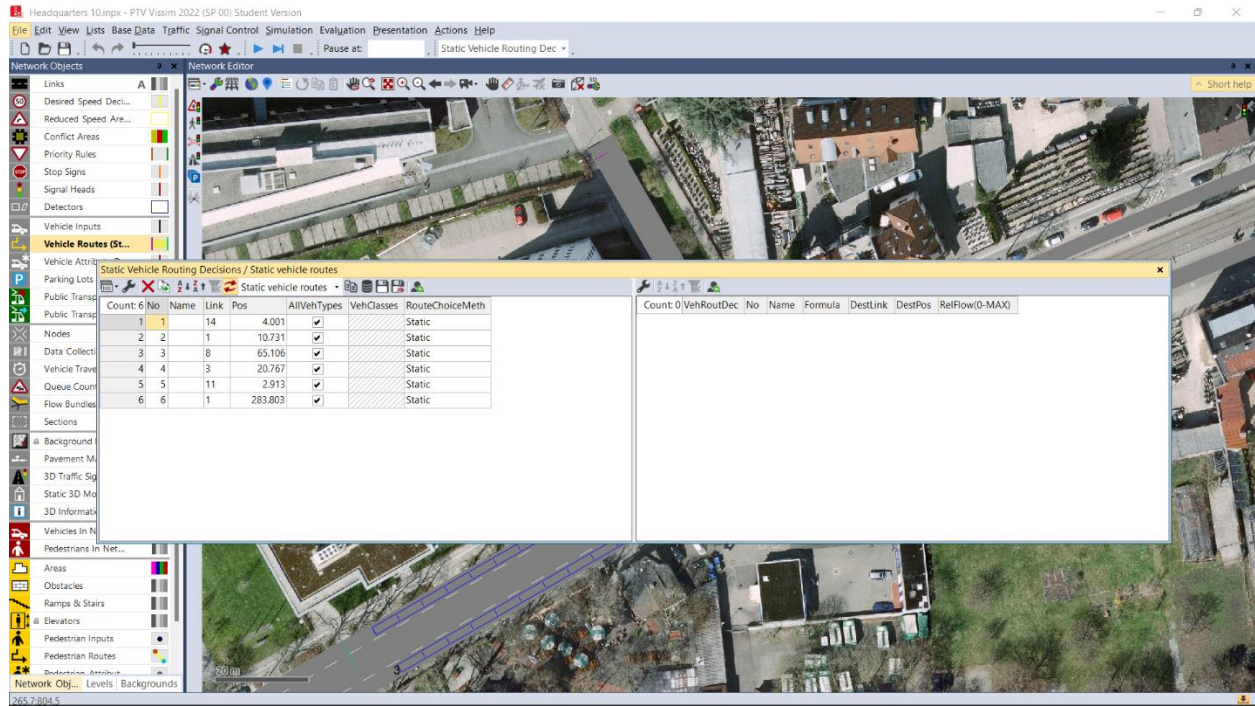
VEHICLE INPUTS



Object Count:4

Link one can take a maximum vehicle input of 600, this includes all types of vehicles.

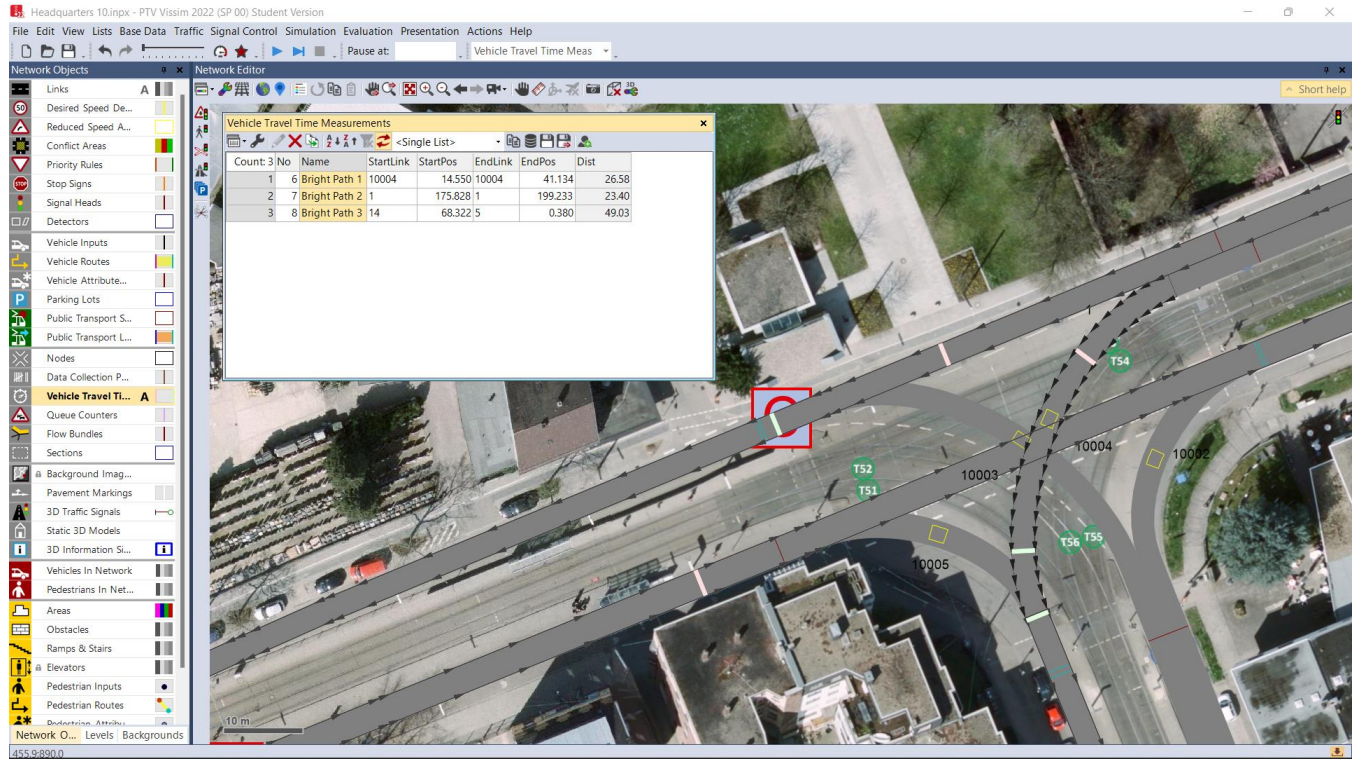
VEHICLE ROUTE



Object Count:6

Route number 1 has 14 links and can be used by all types of vehicles and its static

QUESTION 2



Result from Vehicle Travel Time Measurement for 3 different paths on 3 different links.