Transport Analysis Report (Synthetic Data)

Generated with RANDOM_SEED=2025

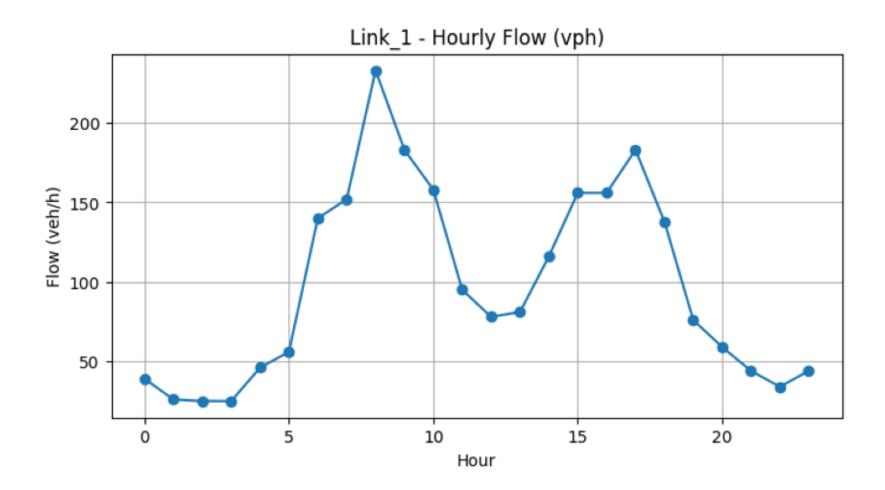
Study description:

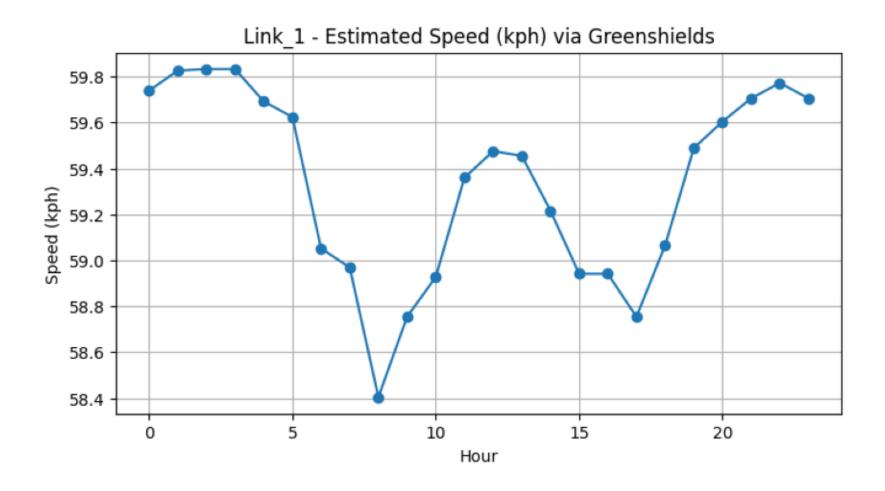
Corridor with 3 links. Synthetic hourly counts generated via Poisson sampling. Speeds estimated with Greenshields model. Queue delays estimated via M/M/1 approximation. This report contains time-series plots and tables.

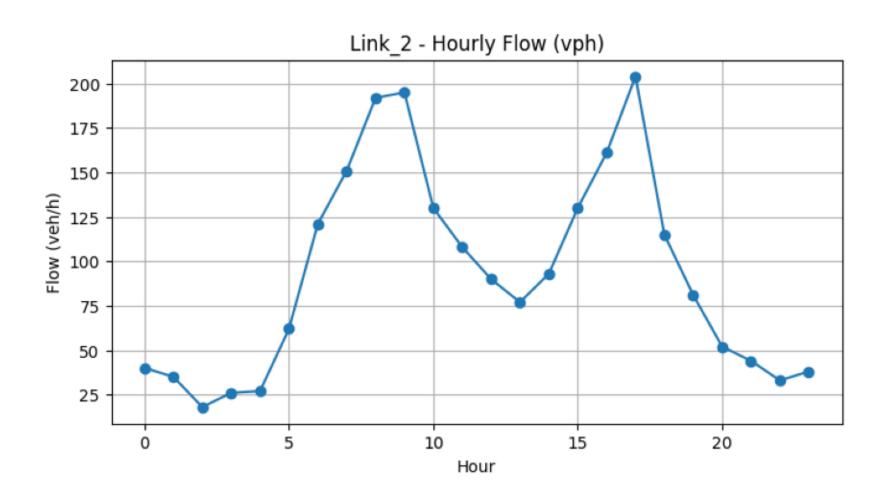
Link_1: peak hour = 8, peak flow = 233 veh/h

Link 2: peak hour = 17, peak flow = 204 veh/h

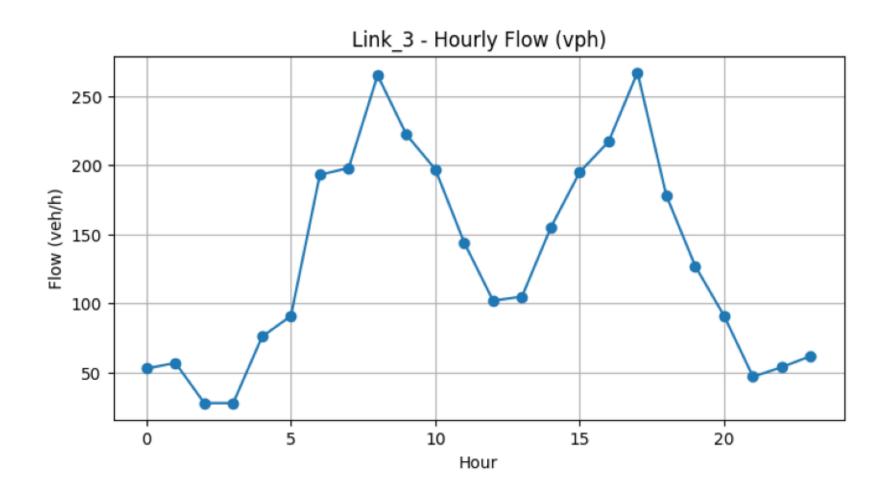
Link_3: peak hour = 17, peak flow = 267 veh/h

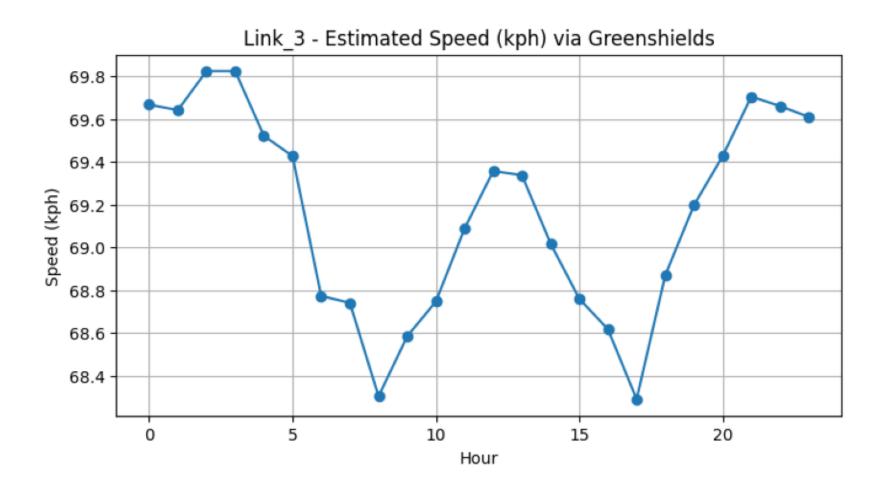


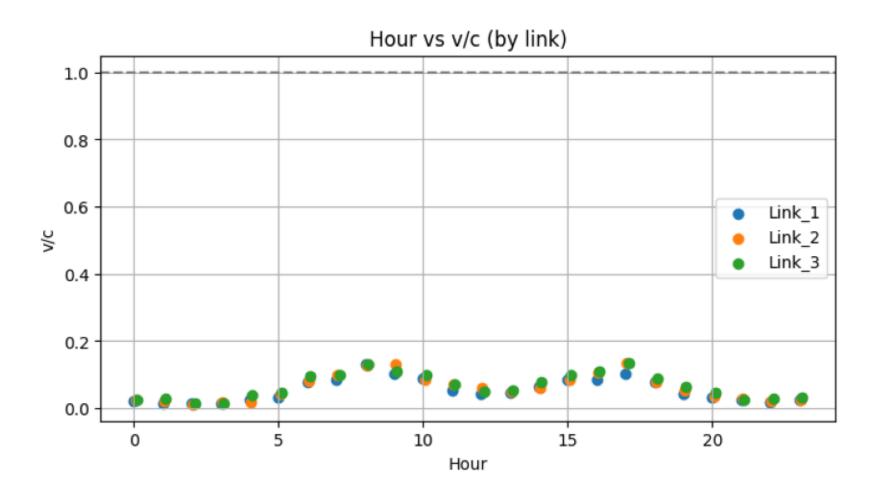












Sample of Analysis Table (first 10 rows)

link	hour	flow vph	density veh per km	speed kph	v by c	queue delay min	travel time min	L0S
Link_1	0	39	0.65	59.74	0.02	0.0	$-\frac{1.21}{1.21}$	Α
$Link_{-}^{-}1$	1	26	0.43	59.83	0.01	0.0	1.20	Α
$Link^{-1}$	2	25	0.42	59.83	0.01	0.0	1.20	Α
$Link_{-}^{-}1$	3	25	0.42	59.83	0.01	0.0	1.20	Α
Link 1	4	46	0.77	59.69	0.03	0.0	1.21	Α
Link 1	5	56	0.94	59.62	0.03	0.0	1.21	Α
$Link_{-}^{-}1$	6	140	2.37	59.05	0.08	0.0	1.22	Α
Link 1	7	152	2.58	58.97	0.08	0.0	1.22	Α
Link 1	8	233	3.99	58.40	0.13	0.0	1.23	Α
${\sf Link}_{_}^{-}1$	9	183	3.11	58.75	0.10	0.0	1.23	Α