

## Data Specification for Traffic Speed Map

### TRAFFIC SPEED MAP

The roads on Hong Kong Island and in Kowloon with real time traffic speed data are shown in the attached drawing. The “TSM Link and Node Info” xls file includes the coordinates of each node on the traffic speed map. The traffic speed map XML file is updated every 5 minutes.

Data structure of the XML file for TSM is as follows:

Item	Description	Coding
LINK_ID	Reference ID for each link	“Start Node – End Node”
REGION	The region of traffic speed data	HK – Hong Kong K – Kowloon
ROAD_TYPE	The type of roads with traffic speed data	MAJOR ROUTE – Refers to roads with speed limit of 70km/h or above URBAN ROAD – Refers to roads with speed limit of 50 km/h
ROAD_SATURATION_LEVEL	To define the traffic condition of the roads	TRAFFIC GOOD – The road will be displayed in Green TRAFFIC AVERAGE – The road will be displayed in Yellow TRAFFIC BAD – The road will be displayed in Red
TRAFFIC_SPEED	The estimated average traffic speed of the roads	In km/h
CAPTURE_DATE	Time of generating the traffic speed data	“YYYY-MM-DD” T “HH:MM:SS”

## TSM Link and Node Info

Link ID	Start Node	Start Node Eastings	Start Node Northings	End Node	End Node Eastings	End Node Northings	Region	Road Type
722-50059	722	834038.674	816345.067	50059	833862.7	816441.553	HK	MAJOR ROUTE
724-722	724	834148.783	816250.647	722	834038.674	816345.067	HK	URBAN ROAD
752-875	752	835099.22	815634.373	875	834918.334	815759.379	HK	URBAN ROAD
756-752	756	835352.749	815640.774	752	835099.22	815634.373	HK	URBAN ROAD
760-756	760	835602.186	815600.695	756	835352.749	815640.774	HK	URBAN ROAD
762-50078	762	836029.641	815629.493	50078	836298.985	815671.02	HK	MAJOR ROUTE
781-50098	781	836585.353	815155.819	50098	836705.363	815357.127	HK	MAJOR ROUTE
786-7861	786	836793.573	815852.754	7861	836714.038	815819.064	HK	URBAN ROAD
787-788	787	836656.904	815755.248	788	836606.459	815875.71	HK	MAJOR ROUTE
787-7882	787	836656.904	815755.248	7882	836603.538	815878.324	HK	MAJOR ROUTE
787-50179	787	836656.904	815755.248	50179	836362.957	815673.882	HK	MAJOR ROUTE
788-868	788	836606.459	815875.71	868	836682.388	815883.302	HK	MAJOR ROUTE
789-7908	789	836748.301	815908.341	7908	836950.758	815938.449	HK	URBAN ROAD
793-877	793	837428.196	816174.589	877	837616.85	816570.66	HK	MAJOR ROUTE
793-7918	793	837434.612	816161.378	7918	837006.391	815940.388	HK	URBAN ROAD
811-818	811	838249.981	817134.408	818	838881.248	817243.884	HK	MAJOR ROUTE
818-821	818	838881.248	817243.884	821	839406.398	817161.385	HK	MAJOR ROUTE
821-50107	821	839406.398	817161.385	50107	839823.434	816928.645	HK	MAJOR ROUTE
868-870	868	836682.388	815883.302	870	836803.159	815997.652	HK	MAJOR ROUTE
870-4651	870	836803.159	815997.652	4651	836884.007	816087.665	HK	MAJOR ROUTE
875-3402	875	834918.334	815759.379	3402	834754.135	815848.947	HK	URBAN ROAD
877-46498	877	837616.85	816570.66	46498	837982.489	816997.558	HK	MAJOR ROUTE
877-793	877	837626.399	816561.52	793	837434.612	816161.378	HK	MAJOR ROUTE
893-4652	893	832738.968	816762.428	4652	833101.677	816778.101	HK	MAJOR ROUTE
896-724	896	834264.546	816083.739	724	834148.783	816250.647	HK	URBAN ROAD
910-931	910	840060.004	816792.715	931	840101.178	816617.612	HK	MAJOR ROUTE
930-931	930	840495.49	816655.752	931	839976.076	816575.425	HK	MAJOR ROUTE
930-9101	930	840495.49	816655.752	9101	840052.115	816777.46	HK	MAJOR ROUTE
931-4650	931	839976.076	816575.425	4650	839919.319	816768.747	HK	MAJOR ROUTE
3006-30069	3006	834913.16	818626.797	30069	834823.46	818955.081	K	URBAN ROAD
3010-888301	3010	835020.456	819072.594	888301	834711.437	818893.39	K	URBAN ROAD
3363-3369	3363	839521.209	820694.514	3369	839269.874	820683.627	K	URBAN ROAD
3368-88810	3368	839344.209	820099.964	88810	839314.866	820127.978	K	MAJOR ROUTE
3369-33691	3369	839269.874	820683.627	33691	839284.825	820586.955	K	URBAN ROAD
3369-3370	3369	839269.874	820683.627	3370	839125.949	820671.968	K	URBAN ROAD
3370-34211	3370	839125.949	820671.968	34211	838961.948	820481.832	K	URBAN ROAD
3393-88817	3393	838680.921	821720.124	88817	839074.865	821794.406	K	MAJOR ROUTE
3395-3393	3395	838185.484	821426.384	3393	838680.921	821720.124	K	MAJOR ROUTE
3402-8979	3402	834754.135	815848.947	8979	834575.127	815899.799	HK	URBAN ROAD
3417-3681	3417	837789.141	821018.42	3681	837968.472	821192.37	K	URBAN ROAD
3419-3417	3419	837531.387	820885.152	3417	837789.141	821018.42	K	URBAN ROAD
3450-34502	3450	837010.873	818912.021	34502	836989.173	818891.055	K	URBAN ROAD
3453-46312	3453	836694.153	818344.939	46312	836633.89	818130.091	K	MAJOR ROUTE
3457-3664	3457	836587.973	817767.834	3664	836446.718	817636.666	K	MAJOR ROUTE
3458-88819	3458	836100.641	817358.907	88819	835948.908	817311.201	K	URBAN ROAD
3459-3615	3459	835807.883	817301.615	3615	835632.686	817301.908	K	URBAN ROAD
3460-78201	3460	835579.522	817480.928	78201	835418.623	817893.881	K	URBAN ROAD
3470-3006	3470	834889.426	818187.326	3006	834913.16	818626.797	K	URBAN ROAD
3480-88818	3480	836458.317	818948.326	88818	836976.843	818412.791	K	URBAN ROAD
3480-888302	3480	836458.317	818948.326	888302	836661.066	818660.839	K	MAJOR ROUTE
3483-88825	3483	836440.024	819826.139	88825	836306.663	819564.477	K	MAJOR ROUTE
3484-4640	3484	836273.929	819369.685	4640	836269.025	819339.592	K	MAJOR ROUTE
3488-3489	3488	836967.085	820564.744	3489	837168.318	820663.995	K	URBAN ROAD
3489-88816	3489	837168.318	820663.995	88816	837353.75	820779.14	K	URBAN ROAD
3491-3010	3491	835320.029	818933.626	3010	835020.456	819072.594	K	URBAN ROAD
3498-3499	3498	835269.643	819039.869	3499	835203.267	819239.124	K	URBAN ROAD
3499-88822	3499	835203.267	819239.124	88822	835098.871	819181.09	K	URBAN ROAD
3500-3499	3500	835453.715	819296.604	3499	835203.267	819239.124	K	URBAN ROAD
3502-3500	3502	835629.414	819329.703	3500	835453.715	819296.604	K	URBAN ROAD
3503-3502	3503	835971.906	819718.872	3502	835629.414	819329.703	K	URBAN ROAD
3504-888231	3504	836128.396	819945.362	888231	836009.355	819775.102	K	URBAN ROAD
3505-3504	3505	836334.997	820230.44	3504	836128.396	819945.362	K	URBAN ROAD
3506-3483	3506	836482.181	819918.657	3483	836440.024	819826.139	K	MAJOR ROUTE
3615-3460	3615	835622.686	817301.908	3460	835579.522	817480.928	K	URBAN ROAD
3632-46322	3632	842224.694	818075.31	46322	842034.07	817933.434	K	MAJOR ROUTE
3633-3632	3633	842093.024	818642.008	3632	842224.694	818075.31	K	MAJOR ROUTE
3637-888151	3637	841500.294	818838.784	888151	842053.671	818696.967	K	MAJOR ROUTE
3639-88814	3639	840935.412	818601.61	88814	841123.667	818587.958	K	MAJOR ROUTE
3643-88813	3643	839537.601	819872.588	88813	839988.562	819731.898	K	MAJOR ROUTE
3644-3690	3644	839174.133	821171.9	3690	839111.955	820458.628	K	MAJOR ROUTE
3651-4632	3651	841880.892	817878.688	4632	842015.881	817960.926	HK	MAJOR ROUTE
3664-3458	3664	836446.718	817636.666	3458	836100.641	817358.907	K	URBAN ROAD

## TSM Link and Node Info

3681-3395	3681	837968.472	821192.37	3395	838185.484	821426.384	K	URBAN ROAD
3690-3643	3690	839111.955	820458.628	3643	839537.601	819872.588	K	MAJOR ROUTE
3692-46332	3692	834538.393	818512.558	46332	834395.219	818269.104	K	MAJOR ROUTE
3715-3457	3715	837030.317	817998.638	3457	836587.973	817767.834	K	MAJOR ROUTE
4640-4643	4640	836269.025	819339.592	4643	836380.592	819078.673	K	MAJOR ROUTE
4643-3480	4643	836380.592	819078.673	3480	836458.317	818948.326	K	MAJOR ROUTE
4644-88801	4644	835228.606	819561.765	88801	835232.243	819528.557	K	MAJOR ROUTE
4646-88806	4646	836422.941	820573.545	88806	836421.253	820544.801	K	URBAN ROAD
4647-46478	4647	836609.24	814749.535	46478	836600.096	814778.361	HK	MAJOR ROUTE
4648-46488	4648	835776.133	815604.834	46488	835804.774	815605.457	HK	MAJOR ROUTE
4649-46497	4649	838019.353	817012.047	46497	837992.283	816985.248	HK	MAJOR ROUTE
4649-46499	4649	838010.672	817025.768	46499	838040.608	817047.877	HK	MAJOR ROUTE
4650-3651	4650	839919.319	816768.747	3651	841880.892	817878.688	HK	MAJOR ROUTE
4651-4631	4651	836884.007	816087.665	4631	836599.836	818132.347	HK	MAJOR ROUTE
4652-4633	4652	833101.677	816778.101	4633	834364.207	818290.731	HK	MAJOR ROUTE
5011-50119	5011	840851.058	816261.521	50119	840850.736	816287.253	HK	MAJOR ROUTE
7861-7871	7861	836714.038	815819.064	7871	836643.102	815784.132	HK	URBAN ROAD
7861-50179	7861	836714.038	815819.064	50179	836362.957	815673.882	HK	URBAN ROAD
7871-7881	7871	836643.102	815784.132	7881	836592.753	815897.731	HK	URBAN ROAD
7881-870	7881	836592.753	815897.731	870	836803.159	815997.652	HK	MAJOR ROUTE
7891-789	7881	836701.913	815918.062	789	836748.301	815908.341	HK	MAJOR ROUTE
7882-7891	7882	836603.538	815878.324	7891	836701.913	815918.062	HK	MAJOR ROUTE
7883-7891	7883	836596.707	815890.625	7891	836701.913	815918.062	HK	MAJOR ROUTE
7908-7909	7908	836950.758	815938.449	7909	837000.797	815961.774	HK	URBAN ROAD
7909-793	7909	837000.797	815961.774	793	837428.196	816174.589	HK	URBAN ROAD
7918-7919	7918	837006.391	815940.388	7919	836956.857	815917.381	HK	URBAN ROAD
7919-786	7919	836956.857	815917.381	786	836793.573	815852.754	HK	URBAN ROAD
8111-46495	8111	838254.2	817119.959	46495	838048.299	817035.81	HK	MAJOR ROUTE
8182-8111	8182	838886.659	817228.946	8111	838254.2	817119.959	HK	MAJOR ROUTE
8212-8182	8212	839401.015	817147.538	8182	838886.659	817228.946	HK	MAJOR ROUTE
8978-896	8978	834523.708	815916.074	896	834264.546	816083.739	HK	URBAN ROAD
8979-8978	8979	834575.127	815899.799	8978	834523.708	815916.074	HK	URBAN ROAD
9101-50108	9101	840052.115	816777.46	50108	839863.478	816886.033	HK	MAJOR ROUTE
30069-88830	30069	834823.46	818955.081	888301	834711.437	818893.39	K	URBAN ROAD
33671-3363	33671	839539.341	820612.792	3363	839521.209	820694.514	K	URBAN ROAD
33681-3643	33681	839352.89	820107.684	3643	839537.601	819872.588	K	MAJOR ROUTE
33691-33671	33691	839284.825	820586.955	33671	839539.341	820612.792	K	URBAN ROAD
33701-3369	33701	839125.854	820681.893	3369	839269.874	820683.627	K	URBAN ROAD
34211-33681	34211	838961.948	820481.832	33681	839352.89	820107.684	K	MAJOR ROUTE
34212-34213	34212	839032.263	820399.522	34213	838795.019	820547.703	K	MAJOR ROUTE
34212-33701	34212	839032.263	820399.522	33701	839125.854	820681.893	K	URBAN ROAD
34213-34222	34213	838795.019	820547.703	34222	837777.736	820479.786	K	MAJOR ROUTE
34214-34211	34214	838796.309	820560.136	34211	838961.948	820481.832	K	MAJOR ROUTE
34221-34214	34221	837768.505	820483.126	34214	838796.309	820560.136	K	MAJOR ROUTE
34222-88824	34222	837777.736	820479.786	888241	837675.498	820244.302	K	MAJOR ROUTE
34371-88821	34371	837346.446	819464.44	88821	837650.4	820182.864	K	MAJOR ROUTE
34372-3450	34372	837354.848	819455.342	3450	837010.873	818912.021	K	MAJOR ROUTE
34481-34371	34481	837004.89	818935.405	34371	837346.446	819464.44	K	MAJOR ROUTE
34501-34481	34501	836830.285	818807.735	34481	837004.89	818935.405	K	URBAN ROAD
34502-88812	34502	836989.173	818891.055	88812	836747.719	818732.879	K	URBAN ROAD
34551-34554	34551	836573.237	818583.439	34554	836683.275	818691.309	K	URBAN ROAD
34552-88803	34552	836588.377	818563.869	88803	836458.943	818526.587	K	URBAN ROAD
34554-34501	34554	836683.275	818691.309	34501	836830.285	818807.735	K	URBAN ROAD
34554-88830	34554	836683.275	818691.309	888302	836661.066	818660.839	K	URBAN ROAD
34781-36662	34781	836398.307	818543.592	36662	835997.232	818679.961	K	URBAN ROAD
34783-88805	34783	836432.903	818548.685	88805	836463.722	818544.811	K	URBAN ROAD
34982-36661	34982	835297.849	819038.497	36661	836000.337	818685.152	K	URBAN ROAD
35071-3488	35071	836398.278	820324.278	3488	836967.085	820564.744	K	URBAN ROAD
35071-3505	35071	836398.278	820324.278	3505	836334.997	820230.44	K	URBAN ROAD
36511-46502	36511	841899.095	817854.503	46502	839931.964	816756.4	K	MAJOR ROUTE
36661-34783	36661	836000.337	818685.152	34783	836432.903	818548.685	K	URBAN ROAD
36662-3498	36662	835997.232	818679.961	3498	835269.643	819039.869	K	URBAN ROAD
36821-3491	36821	835268.36	819250.732	3491	835320.029	818933.626	K	URBAN ROAD
36821-34982	36821	835268.36	819250.732	34982	835297.849	819038.497	K	MAJOR ROUTE
46312-46319	46312	836633.89	818130.091	46319	836650.693	817917.971	K	MAJOR ROUTE
46319-46512	46319	836650.693	817917.971	46512	836893.978	816083.846	K	MAJOR ROUTE
46322-36511	46322	842034.07	817933.434	36511	841899.095	817854.503	K	MAJOR ROUTE
46332-46522	46332	833112.038	816768.056	46522	834395.219	818269.104	K	MAJOR ROUTE
46478-46479	46478	836600.096	814778.361	46479	836538.931	814955.598	HK	MAJOR ROUTE
46479-781	46479	836538.931	814955.598	781	836585.353	815155.819	HK	MAJOR ROUTE
46488-762	46488	835804.774	815605.457	762	836029.641	815629.493	HK	MAJOR ROUTE
46495-4649	46495	838048.299	817035.81	4649	838019.353	817012.047	HK	MAJOR ROUTE
46497-877	46497	837992.283	816985.248	877	837626.399	816561.52	HK	MAJOR ROUTE

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46498-4649	46498	837982.489	816997.558	4649	838010.672	817025.768	HK	MAJOR ROUTE
46499-811	46499	838040.608	817047.877	811	838249.981	817134.408	HK	MAJOR ROUTE
50018-760	50018	835747.625	815588.61	760	835602.186	815600.695	HK	MAJOR ROUTE
50019-50018	50019	835803.901	815589.008	50018	835747.625	815588.61	HK	MAJOR ROUTE
50045-50049	50045	833566.611	816541.012	50049	833323.351	816607.564	HK	MAJOR ROUTE
50048-893	50048	833272.432	816617.227	893	832738.968	816762.428	HK	MAJOR ROUTE
50049-50048	50049	833323.351	816607.564	50048	833272.432	816617.227	HK	MAJOR ROUTE
50058-50045	50058	833814.842	816458.312	50045	833566.611	816541.012	HK	MAJOR ROUTE
50059-50058	50059	833862.7	816441.553	50058	833814.842	816458.312	HK	MAJOR ROUTE
50076-7881	50076	836551.318	815844.419	7881	836592.753	815897.731	HK	MAJOR ROUTE
50076-7883	50076	836551.318	815844.419	7883	836596.707	815890.625	HK	MAJOR ROUTE
50078-50079	50078	836298.985	815671.02	50079	836349.024	815690.857	HK	MAJOR ROUTE
50079-50076	50079	836349.205	815690.862	50076	836551.318	815844.419	HK	MAJOR ROUTE
50098-50099	50098	836705.363	815357.127	50099	836708.043	815420.557	HK	MAJOR ROUTE
50099-787	50099	836708.043	815420.557	787	836656.904	815755.248	HK	MAJOR ROUTE
50106-8212	50106	839816.873	816917.947	8212	839401.015	817147.538	HK	MAJOR ROUTE
50107-50109	50107	839823.434	816928.645	50109	839875.054	816894.55	HK	MAJOR ROUTE
50108-50106	50108	839863.478	816886.033	50106	839816.873	816917.947	HK	MAJOR ROUTE
50109-910	50109	839875.054	816894.55	910	840060.004	816792.63	HK	MAJOR ROUTE
50119-930	50119	840850.736	816287.253	930	840495.49	816655.752	HK	MAJOR ROUTE
50178-50019	50178	836297.644	815654.668	50019	835803.901	815589.008	HK	MAJOR ROUTE
50179-50178	50179	836362.957	815673.882	50178	836297.644	815654.668	HK	MAJOR ROUTE
78201-88820	78201	835418.623	817893.881	88820	835350.224	818078.55	K	URBAN ROAD
88801-36821	88801	835232.243	819528.557	36821	835268.36	819250.732	K	MAJOR ROUTE
88803-34781	88803	836458.943	818526.587	34781	836398.307	818543.592	K	URBAN ROAD
88805-34551	88805	836463.722	818544.811	34551	836573.237	818583.439	K	URBAN ROAD
88806-88807	88806	836421.253	820544.801	88807	836418.558	820503.762	K	URBAN ROAD
88807-3506	88807	836418.558	820503.762	3506	836482.181	819918.657	K	URBAN ROAD
88807-35071	88807	836418.558	820503.762	35071	836398.278	820324.278	K	URBAN ROAD
88810-34212	88810	839314.866	820127.978	34212	839032.263	820399.522	K	MAJOR ROUTE
88812-88827	88812	836747.719	818732.879	88827	836712.602	818694.748	K	URBAN ROAD
88813-88813	88813	839988.562	819731.898	888131	840039.042	819687.873	K	MAJOR ROUTE
88814-88814	88814	841123.667	818587.958	888141	841171.818	818619.044	K	MAJOR ROUTE
88816-88816	88816	837353.75	820779.14	888161	837403.608	820809.184	K	URBAN ROAD
88817-88817	88817	839074.865	821794.406	888171	839124.326	821765.411	K	MAJOR ROUTE
88818-88818	88818	836976.843	818412.791	888181	837009.054	818365.583	K	URBAN ROAD
88819-88819	88819	835948.908	817311.201	888191	835889.633	817306.075	K	URBAN ROAD
88820-88820	88820	835350.224	818078.55	888201	835346.075	818138.176	K	URBAN ROAD
88821-88821	88821	837650.4	820182.864	888211	837668.17	820248.692	K	MAJOR ROUTE
88822-88822	88822	835098.871	819181.09	888221	835058.429	819127.715	K	URBAN ROAD
88824-34372	88824	837662.065	820185.169	34372	837354.848	819455.342	K	MAJOR ROUTE
88825-3484	88825	836306.663	819564.477	3484	836273.929	819369.685	K	MAJOR ROUTE
88827-34552	88827	836712.602	818694.748	34552	836588.377	818563.869	K	URBAN ROAD
88827-88830	88827	836712.602	818694.748	888303	836748.998	818560.257	K	URBAN ROAD
888131-3639	888131	840039.042	819687.873	3639	840935.412	818601.61	K	MAJOR ROUTE
888141-3637	888141	841171.818	818619.044	3637	841500.294	818838.784	K	MAJOR ROUTE
888151-3633	888151	842053.671	818696.967	3633	842093.024	818642.008	K	MAJOR ROUTE
888161-3419	888161	837403.608	820809.184	3419	837531.387	820885.152	K	URBAN ROAD
888171-3644	888171	839124.326	821765.411	3644	839174.133	821171.9	K	MAJOR ROUTE
888181-3715	888181	837009.054	818365.583	3715	837030.317	817998.638	K	URBAN ROAD
888191-3459	888191	835889.633	817306.075	3459	835807.883	817301.615	K	URBAN ROAD
888201-3470	888201	835346.075	818138.176	3470	834889.426	818187.326	K	URBAN ROAD
888211-3422	888211	837668.17	820248.692	34221	837768.505	820483.126	K	MAJOR ROUTE
888221-3010	888221	835058.429	819127.715	3010	835020.456	819072.594	K	URBAN ROAD
888231-3503	888231	836009.355	819775.102	3503	835971.906	819718.872	K	URBAN ROAD
888241-8882	888241	837675.498	820244.302	88824	837662.065	820185.169	K	MAJOR ROUTE
888301-3692	888301	834711.437	818893.39	3692	834538.393	818512.558	K	MAJOR ROUTE
88302-88830	888302	836661.066	818660.839	888303	836748.998	818560.257	K	MAJOR ROUTE
888303-3453	888303	836748.998	818560.257	3453	836694.153	818344.939	K	MAJOR ROUTE