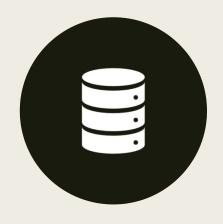
CORRIDOR CONGESTION DASHBOARD

UNDERSTANDING DATA,
METHODOLOGY & TASKS DONE

Files







GEOSPATIAL FILES

- NTP_COUNTRYLUT_NA_LINK_FC1_4_201H0: Contains link IDs of Functional Class 1-4 links in North American Continent
- NTP_COUNTRYLUT_NA_LINK_FC5_201H0: Contains link IDs of Functional Class 5 links in North American Continent
- NTP_REF_NA_LINK_FC1_4_201H0: Contains link IDs of Functional Class 1-4 links in North American Continent with their speed patterns numbers by day (U Sunday S Saturday)
- NTP_REF_NA_LINK_FC5_201H0: Contains link IDs of Functional Class 5 links in North American Continent with their speed patterns numbers by day (U Sunday S Saturday)
- NTP_SPD_NA_15MIN_KPH_201H0: 15 minutes resolution of average speeds in kmph
- NTP_SPD_NA_15MIN_MPH_201H0: 15 minutes resolution of average speeds in mph
- NTP_SPD_NA_60MIN_KPH_201H0: 60 minutes resolution of average speeds in kmph
- NTP_SPD_NA_60MIN_MPH_201H0: 60 minutes resolution of average speeds in mph

■ NTP_COUNTRYLUT_NA_LINK_FC1_4_201H0:
Contains link IDs of Functional Class 1-4 links in North American Continent

	OBJECTID *	LINK_PVID	COUNTRY_CODE
-	. 1	753676029	MEX
T	2	1123577271	MEX
1	3	107053306	USA
1	4	1229322779	USA
1	. 5	999994706	USA
1	6	1027833673	USA
1	. 7	1255389452	USA
1	8	1129231202	USA
1	9	1178266634	USA
1	10	1186589868	USA
1	11	22313625	USA
1	12	118546072	CAN
1	13	1220180065	USA
1	14	108702054	USA
1	15	1262981744	USA
1	16	41557385	USA
1	17	862743143	USA
1	18	1257704421	USA
Ì	19	21626291	USA
1	20	1220066095	USA
1	21	772906717	USA
1	22	39121478	USA

■ NTP_COUNTRYLUT_NA_LINK_FC5_201H0:
Contains link IDs of Functional Class 5 links in
North American Continent

	OBJECTID *	LINK_PVID	COUNTRY_CODE
I	1	108618878	USA
Γ	2	25132130	USA
	3	122122699	USA
	4	1265947533	USA
	- 5	19910036	USA
	6	29496091	CAN
	7	891876396	USA
	8	1264425945	USA
	9	1166963586	MEX
	10	124971021	USA
	11	24921997	USA
	12	98973360	USA
	13	21153166	USA
	14	110107454	USA
	15	1115465267	MEX
	16	921249031	MEX
	17	1282088825	USA
	18	1160174758	USA
	19	87114353	USA
	20	1267644242	CAN
	21	1163156316	USA
	22	1280179399	USA
	23	23644497	USA
	24	103843631	USA
Ī	25	929948267	MEX

■ NTP_REF_NA_LINK_FC1_4_201H0: Contains link IDs of Functional Class 1-4 links in North American Continent with their speed patterns numbers by day (U – Sunday S – Saturday)

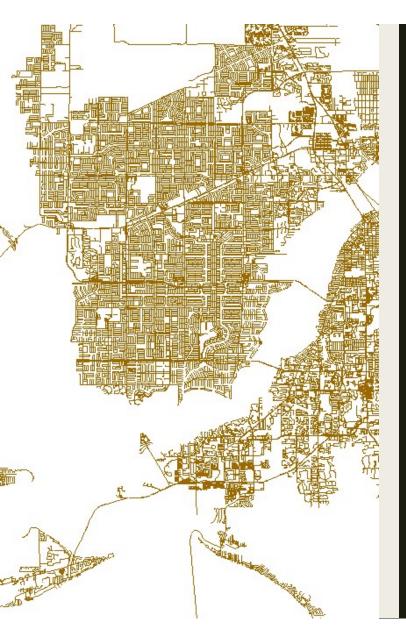
N	P_REF_NA_LINK	_FC1_4_201H0								
	OBJECTID *	LINK_PVID	TRAVEL_DIRECTION	U	M	T	W	R	F	S
F	. 1	1167329729	F	88	88	88	88	88	88	88
	2	1176451233	T	88	88	88	88	88	88	88
	3	1199568452	T	38	12916	7143	13823	897	5939	9000
	4 1262134187 F		F	9647	2590	8612	10041	8218	3053	3053
	5	1032697043	Т	13952	12101	5839	12101	482	12101	10200
	6	1267457744	Т	39	2624	39	3676	1907	14182	39
	7	1278030589	F	71	71	71	71	71	71	71
	8	1182168118	Т	104	104	104	104	104	104	104
	9	111833792	F	47	47	47	47	47	47	47
	10	118960338	F	88	88	88	88	88	88	88
	11	32649340	F	3128	10103	9989	13687	9989	9989	13837
	12	105383566	Т	63	6877	63	10327	12330	63	63
	13	1170257752	F	3508	6171	5366	11184	5366	6639	4017
	14	1074977173	Т	71	71	71	10587	11670	71	71
	15	1189892455	Т	507	1259	6350	6310	8179	4758	10064
	16	1261068253	Т	52	2927	9473	621	621	9571	6674

■ NTP_REF_NA_LINK_FC5_201H0: Contains link IDs of Functional Class 5 links in North American Continent with their speed patterns numbers by day (U – Sunday S – Saturday)

NT	P_REF_NA_LINK	_FC5_201H0								
	OBJECTID *	LINK_PVID	TRAVEL_DIRECTION	U	M	Т	W	R	F	S
1	1	1218786015	F	9455	6043	10510	3770	11905	11905	14509
	2	906630924	Т	39	39	39	39	39	39	39
П	3	1274443542	F	9	9	9	9	9	9	9
	4	1258660875	Т	9	9	9	9	9	9	9
	5	103140511	Т	9	9	9	9	9	9	9
П	6	1257159010	Т	9	9	9	9	9	9	9
П	7	811237246	F	19	19	19	19	19	19	19
	8	20962455	F	6731	4588	1646	14867	11960	7835	3743
	9	996249252	Т	9	9	9	9	9	9	9
П	10	833435552	F	9	9	9	9	9	9	9
П	11	1201705985	Т	39	39	39	39	39	39	39
П	12	921630244	F	79	79	79	79	79	79	79
П	13	931373486	Т	19	19	19	19	19	9592	3008
	14	1114213578	Т	19	19	19	11799	14744	8627	19
П	15	102742083	F	39	39	39	39	39	39	39
	40	05470445	-	40	40	40	40	40	40	40

- NTP_SPD_NA_15MIN_KPH_201H0: 15 minutes resolution of average speeds in kmph for the entire day
- NTP_SPD_NA_15MIN_MPH_201H0: 15 minutes resolution of average speeds in mph for the entire day

TP_SPD_NA_15M	IN_KPH_201H0								
OBJECTID*	PATTERN_ID	H00_00	H00_15	H00_30	H00_45	H01_00	H01_15	H01_30	H01
1	0	1	1	1	1	1	1	1	
2	1	2	2	2	2	2	2	2	
3	2	3	3	3	3	3	3	3	
4	3	4	4	4	4	4	4	4	
5	4	5	5	5	5	5	5	5	
6	5	6	6	6	6	6	6	6	
7	6	7	7	7	7	7	7	7	
8	7	8	8	8	8	8	8	8	
9	8	9	9	9	9	9	9	9	



Geo-Spatial File

■ Streets: Containing shapefiles of roadway links functional class from 1-5

Str	Streets												
	FID	Shape	LINK_ID	ST_NAME	FEAT_ID	ST_LANGCD	NUM_STNMES	ST_NM_PREF	ST_TYP_BEF	ST_NM_BASE	ST_N		
1	0	Polyline	16973829	LOXAHATCHEE RIVER RD	717723303	ENG	1			LOXAHATCHEE RIVER			
	1	Polyline	16973830	FOX RUN DR	732938875	ENG	1			FOX RUN			
Ш	2	Polyline	16973832	LOXAHATCHEE RIVER RD	717723303	ENG	1		,	LOXAHATCHEE RIVER			
\Box	3	Polyline	16973838	OLD INDIANTOWN RD	733353021	ENG	1		,	OLD INDIANTOWN			
\Box	4	Polyline	16973839	189TH CT N	719726339	ENG	1			189TH	N		
	5	Polyline	16973840	120TH TER N	717782493	ENG	1			120TH	N		
	6	Polyline	16973841	188TH ST N	721103854	ENG	1			188TH	N		
	7	Polyline	16973842	125TH AVE N	717367376	ENG	2			125TH	N		
	8	Polyline	16973843	134TH WAY N	717782600	ENG	-1			134TH	N		
	9	Polyline	16973844	187TH PL N	719726347	ENG	1			187TH	N		
	10	Polyline	16973845	COCHISE TRL	735343864	ENG	2			COCHISE			
	11	Polyline	16973846	127TH DR N	719726346	ENG	1			127TH	N		
	12	Polyline	16973847	187TH PL N	719726347	ENG	1			187TH	N		
	13	Dobdine	16973848	125TH AVE N	717367376	ENG	2			125TH	M		

METHODOLOGY

NTP_REF_NA_LINK_FC1_4_201H0

NT	P_REF_NA_LINK	FC1_4_201H0									
	OBJECTID *	LINK_PVID	TRAVEL_DIRECTION	U	M	Т	W	R	F	S	Ī
F	1	1167329729		88	88	88	88	88	88	88	
	2	1176451233	To a	88	88	86	88	88	88	88	
	3	1199568452	Ī8	38	12916	7143	13823	297	5939	9000	
	4	1262134187	· 0	9647	2590	8612	10041	8218	2,253	3053	
	5	1032697043	To a	13952	12101	5839	12101	482	12101	10-20	
	6	12674577 14	To a	39	2624	39	3676	1907	14182	39	
	7	1278030589	-	71	71	71	71	71	71	71	
	8	1182168118		104	104	104	104	104	104	104	
	9	111833792		47	47	47	47	47	47	47	
	10	118960338		88	88	88	88	88	88	88	
	11	32649340		3128	10103	9989	13687	9989	9989	13837	
	12	105383566		63	6877	63	10327	12330	63	63	
	13	1170257752	· 1	3508	6171	5366	11184	5366	6639	4017	
	14	1074977173		71	71	71	10587	11670	71	71	
	15	1189892455		507	1259	6350	6310	8179	4758	10064	
	16	1261068253		52	2927	9473	621	621	9571	6674	

NTP_SPD_NA_15MIN_MPH_201H0

T	P_SPD_NA_15MI	N_KPH_201H0								
]	OBJECTID*	PATTERN_ID	H00_00	H00_15	H00_30	H00_45	H01_00	H01_15	H01_30	H01
Ī	1	0	1	1	1	1	1	1	1	
	2	1	2	2	2	2	2	2	2	
	3	. 2	3	3	3	3	3	3	3	
]	4	3	4	4	4	4	4	4	4	
]	5	4	5	5	5	5	5	5	5	
	6	5	6	6	6	6	6	6	6	
	7	6	7	7	7	7	7	7	7	-
	8	7	8	8	8	8	8	8	8	
Ī	9	8	9	9	9	9	9	9	9	

Streets

Streets												
	FID	Shape	LINK_ID		ST_NAME	FEAT_ID	ST_LANGCD	NUM_STNMES	ST_NM_PREF	ST_TYP_BEF	ST_NM_BASE	ST_NN
F	0	Polyline	16973829	L	XAHATCHEE RIVER RD	717723303	ENG	1			LOXAHATCHEE RIVER	
	1	Polyline	16973830	F	X RUN DR	732938875	ENG	1			FOX RUN	
	2	Polyline	16973832 L		XAHATCHEE RIVER RD	717723303	ENG	1		LOXAHATCHEE RIVER		
	3	Polyline	16973838		.D INDIANTOWN RD	733353021	ENG	1			OLD INDIANTOWN	
	4	Polyline	16973839	1	9TH CT N	719726339	ENG	1			189TH	N
	5	Polyline	16973840	1	OTH TER N	717782493	ENG	1			120TH	N
П	6	Polyline	16973841	1	8TH ST N	721103854	ENG	1			188TH	N
П	7	Polyline	16973842	1	5TH AVE N	717367376	ENG	2			125TH	N
П	8	Polyline	16973843	1	4TH WAY N	717782600	ENG	1			134TH	N
	9	Polyline	16973844	1	7TH PL N	719726347	ENG	1			187TH	N
	10	Polyline	16973845	С	CHISE TRL	735343864	ENG	2			COCHISE	
П	11	Polyline	16973846	13	7TH DR N	719726346	ENG	1			127TH	N
П	12	Polyline	16973847	1	7TH PL N	719726347	ENG	1			187TH	N
	13	Dolyline	16073848	1	STH AVE N	717367376	FNG	2			125TH	M

Congestion Calculation

- Compute the weekly average speeds by link ID
- Divide the daily average speed with the posted speed limit in the streets data layer
- Visualize the ratio calculated to the map
- Legend

DASHBOARD

Dashboard

- Use of Webgl libraries written for R
- Dynamic Nature of Dashboard to build queries and filter data
- Added Welcome Guide section
- About Tab that shows the meta-data for the dashboard
- Congestion Tab showing Congestion calculations from HERE data
- TAZ tab showing the socio-economic growth between Model base and Horizon Year
- O-D Subarea tab as a placeholder for trip making patterns
- Socio-Economic growth tab showing LEE County growth and will display a datable of regions growth