

Highway Traffic Signal Inventory

Development Update

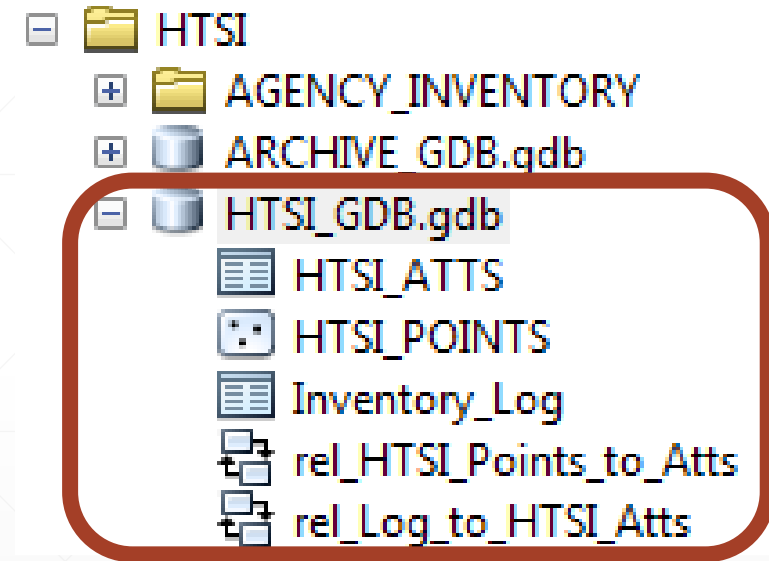
Regional Transportation Operations Coalition

HTSI – Purpose

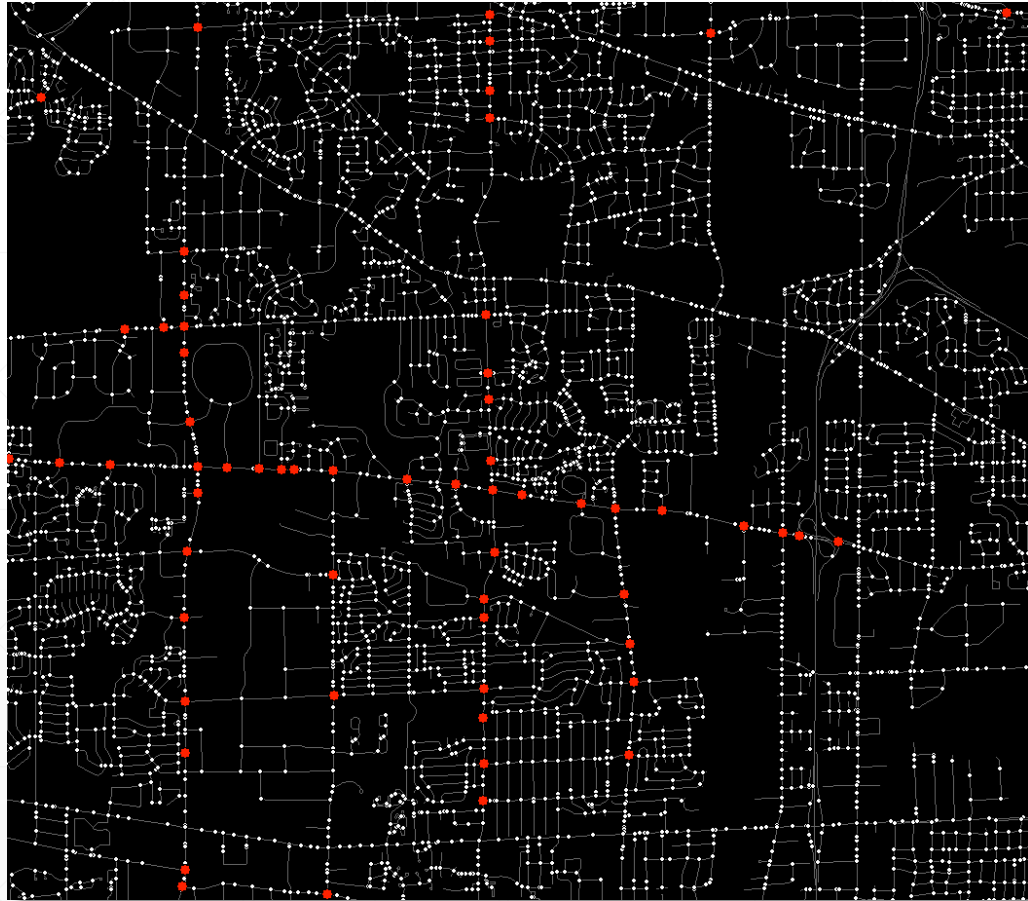
- Create a single inventory with uniform information across jurisdictions
- Consistent data quality and format
- Facilitate inter-jurisdictional coordination and more effective transportation studies
- Make data open and accessible

Database structure

- File geodatabase using ArcGIS
- Master signal inventory (HTSI_Points) with location based on Illinois Highway Information System
- Table (HTSI_ATTTS) containing agency inventory attribute information
- Relational database



Database structure



Database structure

Location: 1,053,278.050 1,919,608.130 Feet

Field	Value
OBJECTID_1	203160
Shape	Multipoint ZM
INVENTORY	022 20367 000000
BEG_STA	6.66
END_STA	6.78
AADT	41000
FUNC_CLASS	3
LNS	6
ROAD_NAME	Army Trail Rd
node	200540
MEAS	6.66
CROSS_STREETS	Bloomington Rd
MAIN_STATION	06.660
INVENTORYSTATION	022 20367 000000_06.660
XCOORD	-88.080174
YCOORD	41.93699
HTSI_flag	1

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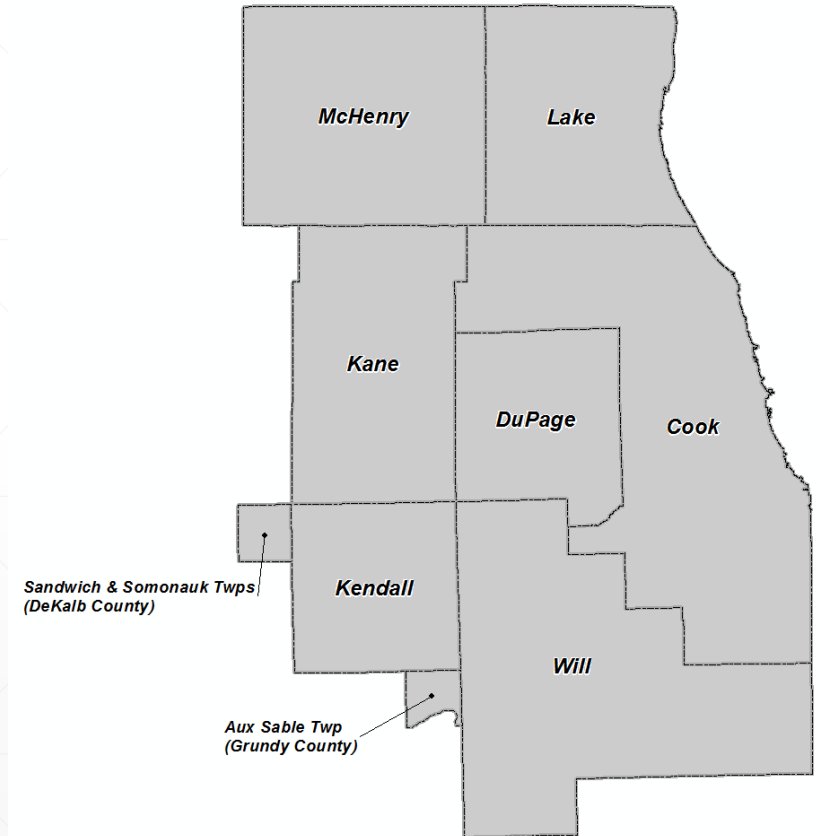
HTSLATTS

OBJECTID *	INVENTORYSTATION *	XCOORD	YCOORD	COUNTY	MUNICIPALITY
12375	022 20367 000000_00.770	-88.193953	41.943802	DuPage	Bartlett
12376	022 20362 000000_03.340	-88.150445	41.940635	DuPage	Carol Stream & Hanover Park
12377	022 20362 000000_02.570	-88.150144	41.951812	DuPage	Hanover Park
12378	022 20367 000000_02.539	-88.1601	41.941308	DuPage	Carol Stream & Hanover Park
12379	022 20362 000000_01.020	-88.150284	41.973688	DuPage	Bartlett
12380	022 20362 000000_04.070	-88.150366	41.92999	DuPage	Carol Stream
12381	022 91348 000000_00.490	-88.174043	41.987684	DuPage	Bartlett
12382	022 20362 000000_04.570	-88.150461	41.922642	DuPage	Carol Stream
12383	022 20367 000000_03.385	-88.143514	41.94015	DuPage	Hanover Park
12384	022 20364 000000_02.750	-88.080725	41.948456	DuPage	Bloomington
12385	022 92561 000000_00.200	-88.120363	41.986045	DuPage	Roselle
12386	022 92561 000000_02.530	-88.120477	41.953044	DuPage	Bloomington
12387	022 20364 000000_02.530	-88.080982	41.954126	DuPage	Bloomington
12388	022 20367 000000_04.030	-88.130196	41.939575	DuPage	Carol Stream
12389	022 20367 000000_04.610	-88.118714	41.939368	DuPage	Bloomington
12390	022 20367 000000_05.590	-88.101027	41.93896	DuPage	Bloomington
12391	022 20367 000000_06.660	-88.080174	41.937052	DuPage	Glendale Heights
12392	022 20367 000000_07.440	-88.064098	41.935155	DuPage	Glendale Heights
12393	022 20367 000000_08.670	-88.042099	41.932732	DuPage	Addison
12394	022 92561 000000_04.050	-88.120144	41.931062	DuPage	Carol Stream
12395	022 92561 000000_05.060	-88.120538	41.916415	DuPage	Carol Stream
12396	022 92561 000000_05.436	-88.120546	41.911294	DuPage	Carol Stream
12397	022 92581 000000_02.730	-88.06172	41.918167	DuPage	Glendale Heights
12398	022 20364 000000_05.070	-88.081383	41.917491	DuPage	Glendale Heights
12399	022 92581 000000_03.219	-88.062357	41.911019	DuPage	Glendale Heights
12400	022 20364 000000_05.618	-88.081424	41.910201	DuPage	Glendale Heights
12401	022 20364 000000_04.494	-88.081332	41.926323	DuPage	Glendale Heights
12402	022 20364 000000_01.019	-88.080307	41.976097	DuPage	Roselle
12403	022 20364 000000_04.170	-88.079865	41.930917	DuPage	Glendale Heights
12404	022 20364 000000_00.500	-88.080246	41.983526	DuPage	Roselle
12405	022 20364 000000_04.616	-88.081343	41.924435	DuPage	Glendale Heights
12406	022 20364 000000_00.677	-88.080264	41.980913	DuPage	Roselle
12407	022 20367 000000_08.310	-88.047165	41.93341	DuPage	Addison
12408	022 92585 000000_00.819	-88.051399	41.981634	DuPage	Unincorporated DPC

(1 out of 304 Selected)

Geography

- 7-county Chicago metropolitan area (Cook, DuPage, Kane, Kendall, Lake, McHenry, Will)
- Plus Somonauk and Sandwich Townships (DeKalb), and Aux Sable Township (Grundy)
- CMAP's planning area



Next steps

- Collect agency signal data
- HTSI automated loading tools currently under development
- Build and maintain inventory