

OHIO'S STATEWIDE TRAVEL DEMAND MODEL

Greg Giaimo

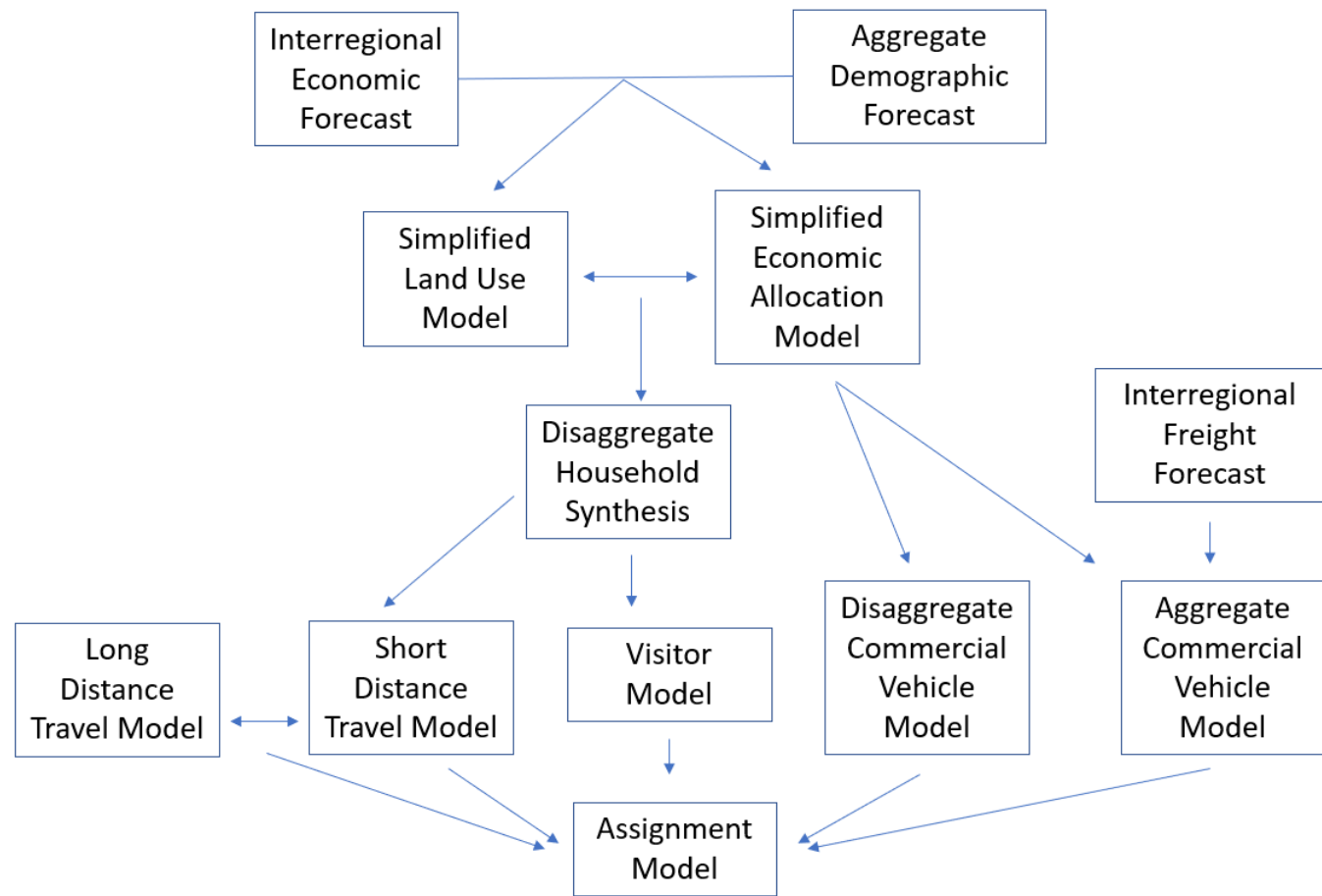
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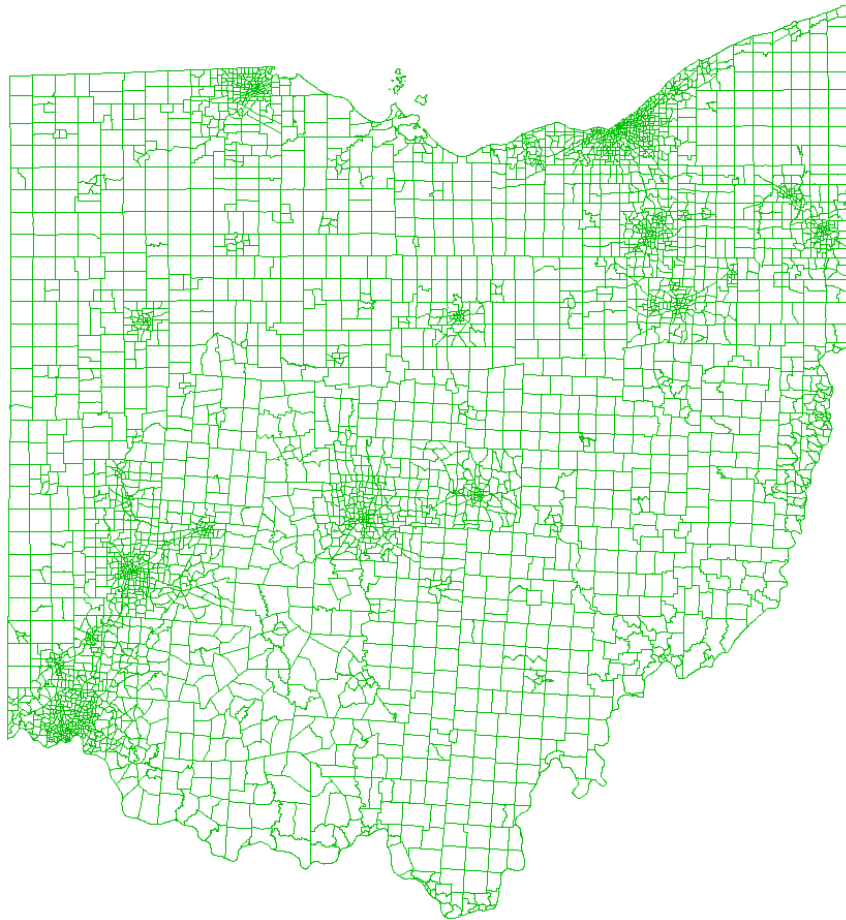
OHIO'S STATEWIDE MODEL FLOWCHART

- Land Use and Economic Allocation models replace demographers
- Disaggregate-Tour-Based Passenger models
- LD and Visitor Models
- FAF ACOM and DCOM
- Linkage with MPO models for EE and IE trips

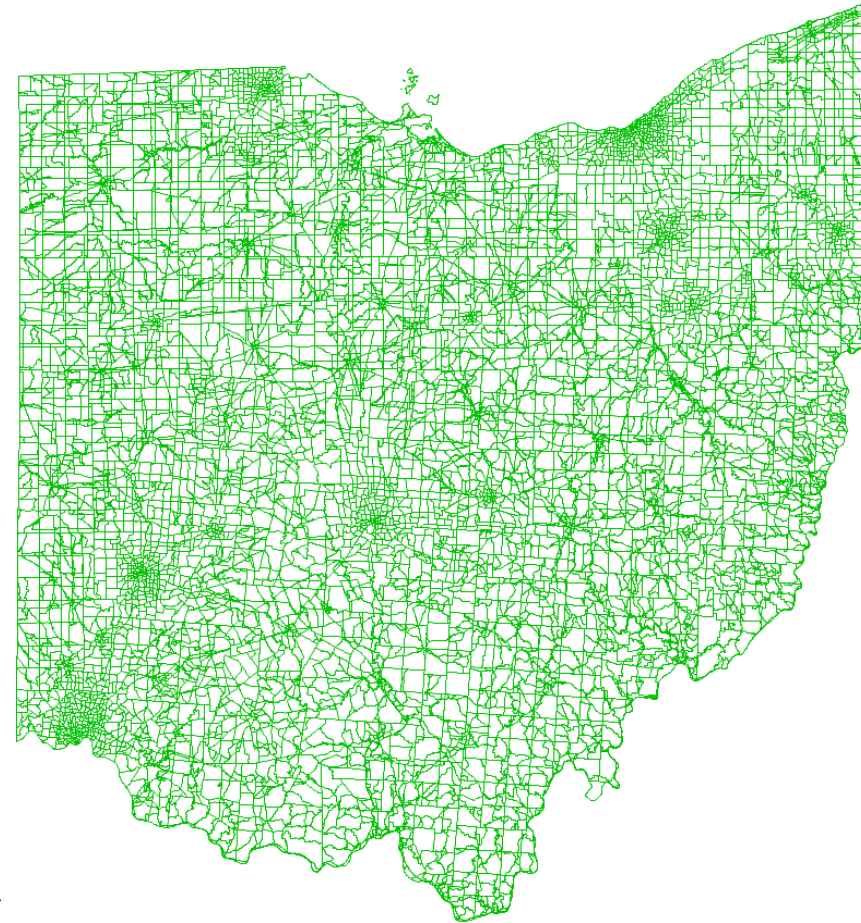


THINGS WE'RE WORKING ON - 35K ZONES

- **5,116 zones**



- **35,000 zones**

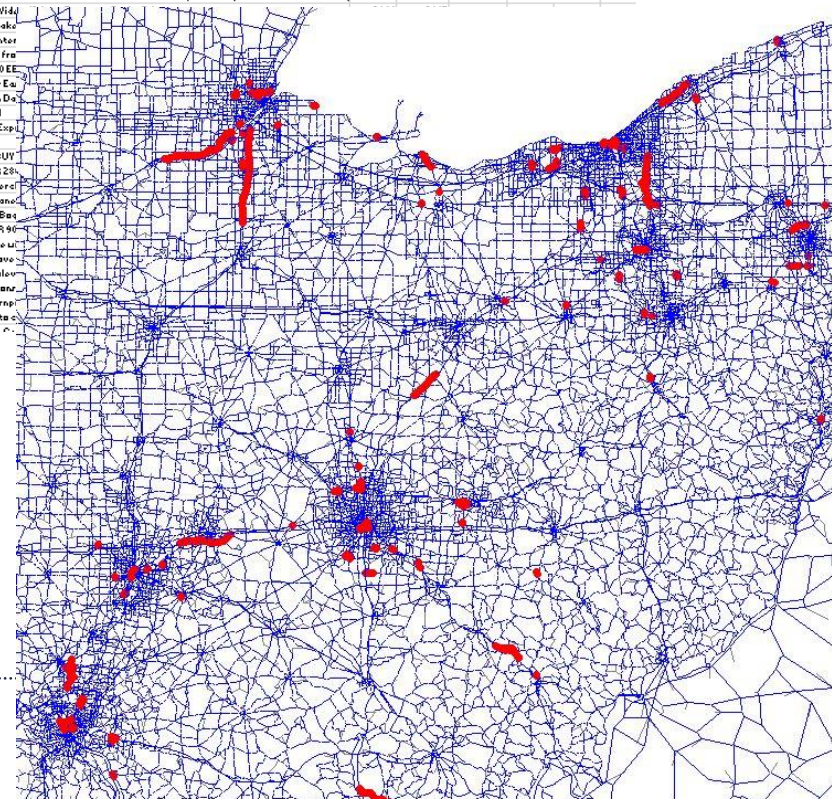


THINGS WE'RE ABOUT TO START - NETWORK MGMT

- Start with 20-25k projects from State Project List
- Cull to 3500 capacity projects
- Code most of these to the network as E+C by year
- Code Major Capacity projects individually
- Save as log files

OIA TRACID	TRACID	2014 coded	TRAC Typ	Dist	County	PID	Project	Year	Open Year	Node range	Node geometry
1	1	zald	dane	I	2	HENLUC 89444	Part to Part - Napoleon to Waterville	2009	2012	350000	
3	2	zald	dane	I	2	LUC 77255	Upgrade IR 75/475 Interchange - Phase 1	2010	2012	350100	Year - Part of IR 75/475
4	2	zald	dane	I	2	LUC 82401	Wide SR 2 to Levee Canal at Howard Rd Interchange to provide 12' wider median, 16' lane lane, reallocate SR lane lane	2010	2011		
5	4	zald	dane	I	3	LOR 83607	New interchange at IR 90 at Nagel Rd.	2011	2012	350200	
7	5	zald	dane	I	4	SUM 24507	SR 8 - Convert to Limited Access	2008	2011	350300	
7	6	zald	dane	I	6	FRA 87779	N High St. US 23 - Add lane from Flint to Loxelle	2012	2015		
9	7	zald	dane	I	6	FRA 81746	FRA 270/315/23 - US 23 Widening/Vark Temple - B1	2012	2015	350400	
9	10	zald	dane	I	6	FRA 77359	FRA 70/71 - Phase 1 - North Interchange	2011	2012	350700	Year - This is the entire IR 70
9	11	zald	dane	I	6	FRA 94271	FRA 70/71 - Phase 2 - Pleasant St.	2012	2015	350800	Year - This is the entire IR 70
16	16	zald	dane	I	6	FRA 84502	IMS at IR 270 at Alum Creek Dr.	2012	2014	351200	Year
121	17	zald	dane	I	6	FRA 79231	New interchange at IR 71 and SR 665	2010	2012	351400	
10	18	zald	conting	I	6	FRA 81885	Rickenbacker - Widen Alum Creek extension from 2 to 4 lanes	2010	2012		
20	20	zald	dane	I	6	MRW 86916	MRW-71-12-19 - add third lane from SR 95 to Richland Co. Line	2011	2012		
206	21	zald	dane	I	6	PIC 83666	Pickaway East-West Connector - Phase 1A	2012	2014	351600	
11	22	zald	dane	I	7	CLA 84664	Add 3rd lane on IR 70 from US 40 to SR 72	2010	2011		
12	24	zald	dane	I	7	MOT 77248	MOT-75 at Central/Dixie - construct 4 mixing movements	2011	2012	351800	
12	25	zald	dane	I	7	MOT 77245	Add third lane on IR 75 through US 35 interchange - Phase 1B	2009	2012		
26	26	zald	dane	I	8	BUT 82469	Add lanes to Winton/Gilmore Rd. over IR 275	2011	2012		
124	27	zald	dane	I	8	BUT 76290	SR 4 Bypass - Widen to 4 lanes and add turn lanes from Hamilton-Maran Rd. to Tylorville Rd.	2010	2011	351610	
14	28	zald	dane	I	8	OLE 76289	OLE 275/SR 22 - Phase 1	2012	2015	351900	Year - This is Phase 4A of Ear
14	29	zald	dane	I	8	OLE 82209	OLE 275/SR 22 - Phase 2	2012	2015	352000	Year - This is Phase 4B of Ear
16	30	zald	dane	I	8	HAM 76257	HAM 75 - Mill Creek Expressway Phase 4	2012	2015	352100	Year - This is the entire MILL C
16	31	N/A	I	8	HAM 82283	HAM 75 - Mill Creek Expressway Phase 6-1-1R Spur S of SR 542	2012	2015	352200	Year - This is the entire MILL C	
16	35	zald	dane	I	8	HAM 82279	IR 75 - Michell Ave Tight Diamond	2011	2012	352600	BEFORE other HAM 7
16	36	zald	dane	I	8	HAM 82284	Caledonia/Bookman Full Movement Interchange including required IR 74 work	2011	2012	352700	BEFORE other HAM 7
19	38	zald	dane	I	10	HOC 23846	Noblesville Bypass	2009	2011	352900	
21	39	zald	dane	I	11	TUS 19734	New interchange at IR 77 at CR 80 (W Ohio Ave) in Dover	2009	2011	353000	
24	41	zald	dane	I	12	CUY 86481	CUY SR 6 - Lakeland West E 73 St.	2012	2015	353200	Year - What's this one and th
44	44	zald	dane	I	12	CUY 78076	Extension of Berea Ave East 87th Street to Union Avenue (Phase 2A) to increase connectivity	2012	2012	353500	Year - Innerbelt?
143	45	zald	dane	I	12	CUY 88667	CUY-42 - Pearl Rd. - Wid				
25	46	zald	dane	I	12	CUY 80982	Widen US 42 from Drake				
43	47	zald	dane	I	12	LAK 79545	SR 2 - Add lane and inter				
11	67	zald	dane	I	7	CLA 82201	IR 70 - Add third lane fra				
8	8	c	dane	I	6	FRA 81747	FRA 270/315/23 - 270 EE				
9	12	c	dane	I	6	FRA 77370	FRA 70/71 - Phase 2 - Ea				
12	23	zald	dane	I	7	MOT 77247	MOT IR 75 Dauntoun De				
16	32	c	dane	I	8	HAM 82288	HAM 75 - TTV Phase 1				
16	34	c	dane	I	8	HAM 82286	HAM 75 - Mill Creek Exp				
26	37	zald	dane	I	9	SCI 19415	Partsmouth Bypass				
22	40	c	dane	I	12	CUY 82119	CUY IR 90 Bridge - CUY				
103	48	zald	dane	I	2	LUC 76032	LUC 75 (Phillip to IR 28				
102	50	zald	dane	I	2	LUC 88292	LUC 475 at US 20 Inter				
20401	52	zald	dane	I	2	WOO 77801	WOO-75 - Add third lane				
104	53	zald	dane	I	3	ERI 88407	US 250 from US 6 to Ea				
							SR 57 from IR 80 to IR 90				
							Diamond Interchange at				
							620 feet north, Remove				
							and Midway Mall Bauler				
							riationalized intere exte				
							between the Ohio Turnp				
							bring Grizzuold Road to				
							11075000 455 000000 0				

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THINGS WE WANT THAT WE CAN ALMOST SEE

- Replace passenger models with ActivitySim
- Firm Synthesis - Affects ACOM's interaction with FAF and replaces DCOM
- Ideally new Statewide HTS in 6 years
- Includes 12-month LD Survey

DREAMS

- DTA
- Economic Feedback Models
- LU Models - Will still be simple due to lack of staff

