



VILLAGE OF VILLA PARK
Village Hall, Board Chambers
20 South Ardmore Avenue
Villa Park, IL 60181

Village Board of Trustees - Committee of the Whole

May 19, 2025

6:00 PM

Village President Kevin Patrick

Village Clerk Rolf Laukant

Village Trustees Cari Alfano, Jorge Cordova, Tina Konstatos, Jack Kozar, Deepa Kumar

Public participation is invited. When called upon, please approach the microphone and state your name. Kindly limit your remarks to 3 minutes.

1. Call to Order - Roll Call

2. Pledge of Allegiance

3. Discussion

- a. Railroad Grade Separation discussion and presentation by Kroy Railway Group LLC and LinqThingz.
- b. Parental Leave Policy

4. Public Comments

5. Adjournment

Villa Park

Enhancing Safety with **LinqThingz** *Predictive Mobility*

5/19/2025

Presented by:
Kurt Brandt PhD, CEO – LinqThingz



Perceived Problem?

Changing Times



1860s

- Roads were Dirt
- Traffic was Horses
- Crossing Speed 4 MPH
- US Population 30M
- Attention Span 20 min
- Transcontinental Rail
- Crossbucks Patented

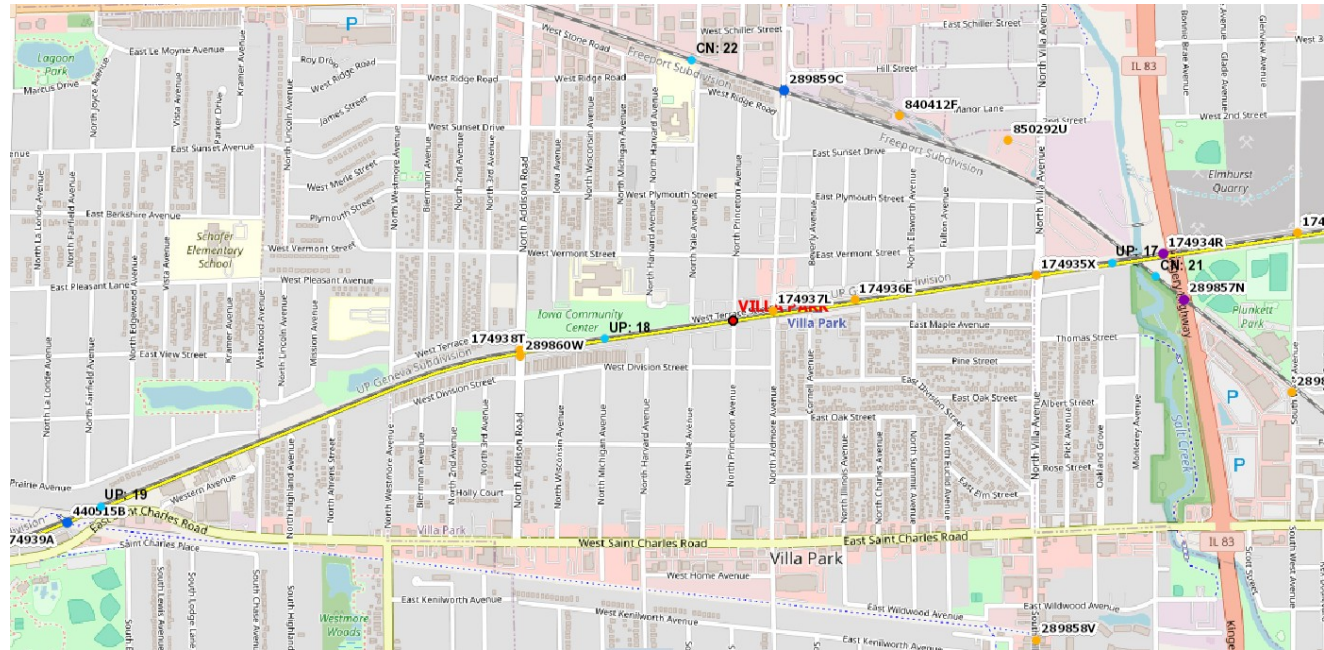


2020s

- Roads are Complex
- Fuel/Electric/Autonomous
- US Population 300M
- 250,000 crossings
- Attention Span 9 seconds
- Connected Phones/Cars



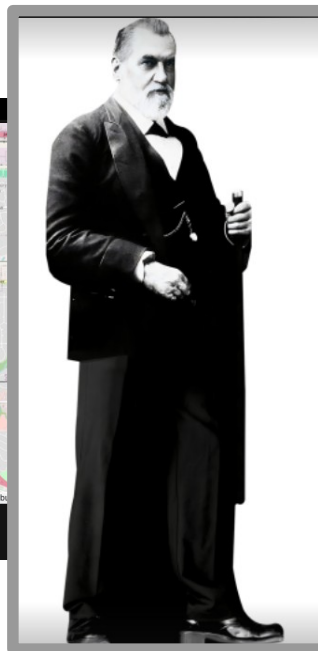
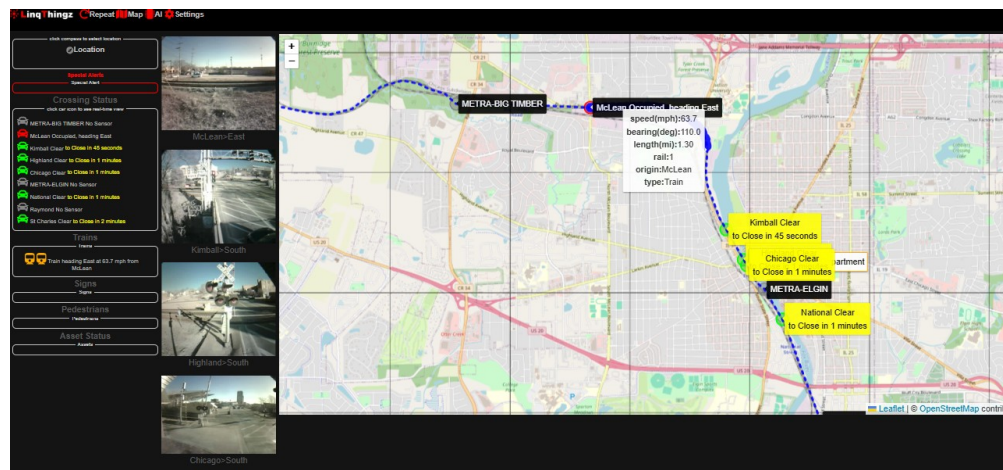
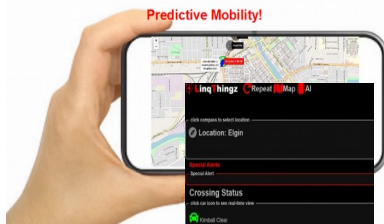
Villa Park



- 1) CN & **UP**
- 2) EMS, Community, and Logistics
- 3) Grade Separation = YRS
- 4) Proven Solution Needed

Solution – Predictive Mobility

Suite of 15 Predictive Mobility Applications



Ask Leland

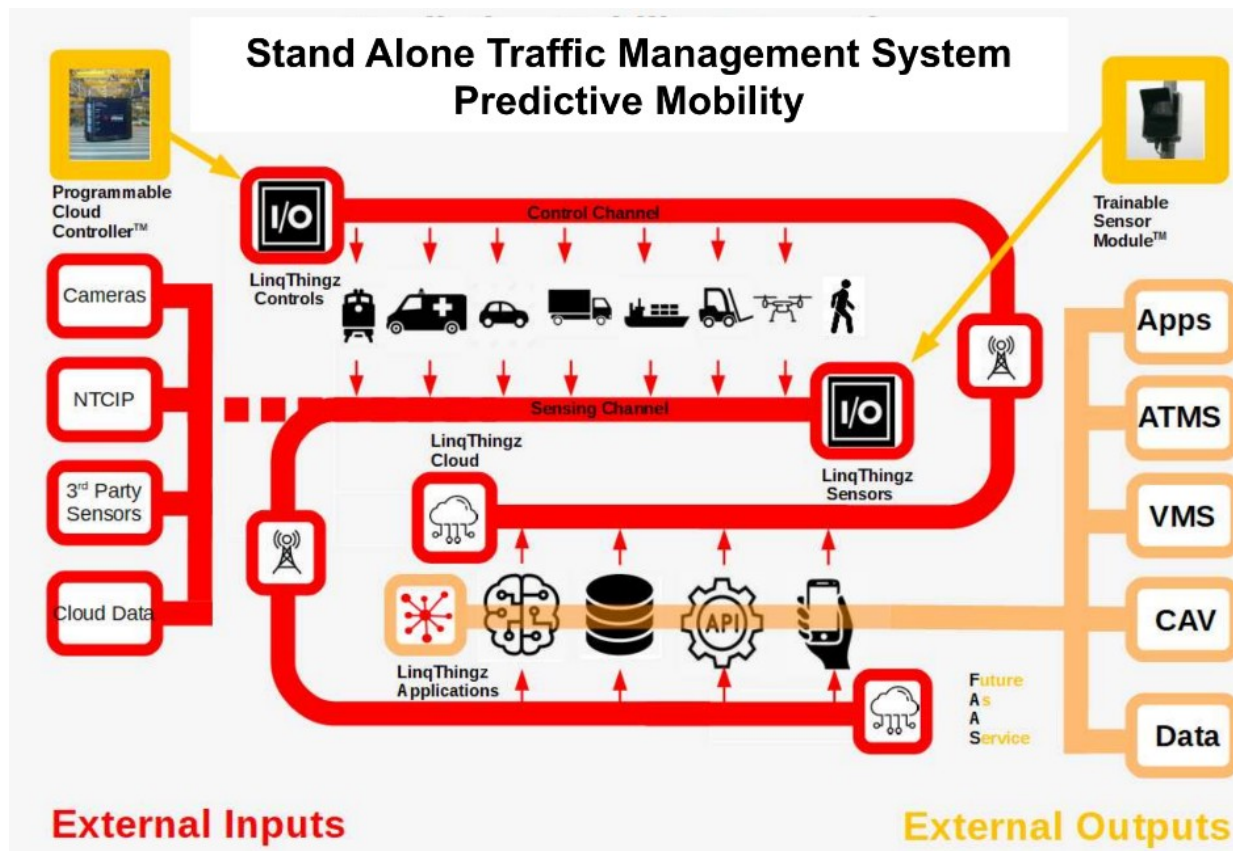


LinqThingz

A Predictive Mobility company

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ITS Solution – Predictive Mobility

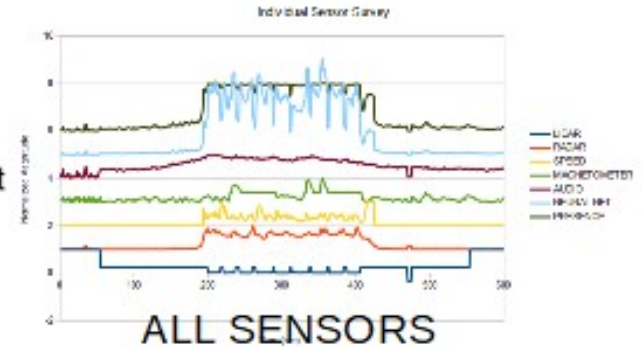
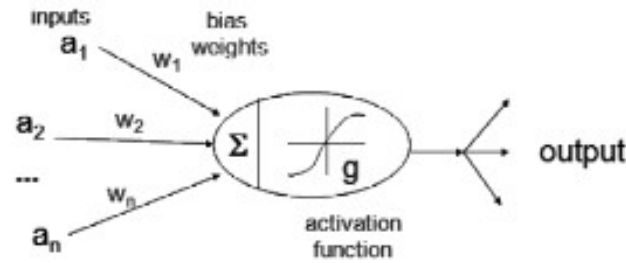


Solution – Predictive Mobility

Trainable Sensor Network



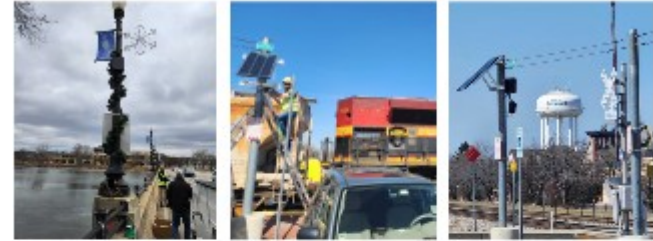
LinqThingz Fast Neural Net for Fault
Tolerant Presence Detection



Deployment Readiness



- 1) Certified, Bonded, Insured
- 2) Installation and Support Fleet
- 3) Training Team
- 4) National Deployments
- 5) Install in days no years



Grant Funding / Analysis

SS4A, FRA, CRISI, private partnerships, etc. Bridge or Predictive Mobility

Municipality	Washington St - W Chicago	Crossing Impact
West Chicago	Sunset Ave / TR 1273	\$947,598.30
	Winfield Rd / CR 13	\$319,995.07
	West St	\$144,513.90
Winfield	Wheaton Ave	\$1,310,947.54
Wheaton	Hale St	\$1,455,461.44
	Main St - Wheaton	\$165,158.74
	Cross St	\$134,191.48
	Washington St - Wheaton	\$2,663,184.76
	President St	\$402,574.44
	Hill Ave / College Ave	\$278,705.38
	Prospect Ave	\$1,269,657.85
Glen Ellyn	Main St - Glen Ellyn	\$578,055.61
	Park Blvd	\$815,471.30
	Finley Rd	\$1,001,274.89
	Elizabeth St	\$1,620,620.18
Lombard	Grace St	\$1,403,849.33
	Addison Rd	\$319,995.07
	Ardmore Ave	\$1,094,176.68
Villa Park	Villa Ave	\$1,507,073.54
	West Ave - Elmhurst	\$1,558,685.65
	Myrtle Ave	\$980,630.05
Elmhurst	Maple Ave	\$1,094,176.68
	Cottage Hill Ave	\$196,126.01
	York St	\$247,738.12
	Poplar Ave	\$283,866.59
	Wolf Rd	\$660,634.98
	19th Ave	\$495,476.23
Berkeley	9th Ave	\$598,700.45
Melrose Park	5th Ave	\$1,011,597.31
Maywood	1st Ave / IL 171	\$1,919,970.41
	Kilbourne Ave	\$1,610,297.76



Leadership Team

Kurt Brandt, PhD – Founder of the predictive mobility category, 25+ years innovation (GE, Lockheed, DHS)

Brian Olmstead – Engineering & manufacturing lead (Boeing, Bosch)

Jon Cohn – Retired Fire Chief, national leader on technology adoption in public safety

Success Stories

Multiple Wisconsin Cities and Corridors

Chicago Western Suburbs: 37-mile corridor, 12 towns, 57 agencies

Reduced emergency response times, increased coordination

Gained trust and adoption across police, fire, and public works



Why Villa Park, Why Now

We're local: Engineering, manufacturing, and support within 90 minutes

We're proven: Working in some of the most congested rail corridors in the US

We're available: Immediate install—see results before the bridge even breaks ground

We're compatible: Our tech complements, not competes with, future grade separation

Next Steps

Site walk-through and technical assessment

Data sharing and stakeholder alignment

Grant planning session (if needed)

Targeted pilot at one key crossing for immediate visibility

Thank You!

Predictive Mobility!





Village of Villa Park

20 South Ardmore Avenue, Villa Park, Illinois 60181-2696

Date: 05/19/2025

Re: Paid Parental Leave Follow Up Discussion

Background

Flexibility and family-friendly policies are essential to cultivating an atmosphere where employees can thrive professionally without sacrificing essential family obligations. The Village of Villa Park understands the need to give parents additional flexibility and time to bond with their new child and adjust to their new family situation.

The Village of Villa Park offers a comprehensive paid leave benefit plan to eligible employees that includes paid vacation, sick, personal, and floating holidays, as well as short term disability benefits through the Illinois Municipal Retirement Fund.

In order to enhance the current paid benefit program, staff are proposing a paid family leave program to offer to eligible employees.

I. Key Points of Discussion For Follow Up

1. Review of the direct and indirect costs to the Village to implement the program.
2. Determine length of leave.

II. Village Presented Paid Leave Alternative Options

1. Paid Parental Leave – 6 weeks
2. Paid Parental Leave – 8 weeks
3. Paid Parental Leave – 12 weeks
4. *Paid Family Leave – 6 weeks*
5. *Paid Family Leave – 8 weeks*
6. *Paid Family Leave – 12 weeks*
 - a. *Paid Family leave is a recommendation which provides an opportunity for staff who currently do not receive paid time off or disability benefits to care for themselves during a time of temporary disability, outside of the line of duty, the opportunity to do so. This would not limit the policy to just new child situations.*



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III. Bill HB3908 (Firefighter Paid Family Leave Act)

- Provides a firefighter with 6 weeks paid family leave which may be used for:
 - Birth of a child or in order to care for the birth of child.
 - Newly adopted child under 18 or newly placed foster child under 18 if child is incapable of self-care due to disability.
 - Must be employed for one year.
 - *Bill has passed House, waiting for Senate.*



Village of Villa Park

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Date: 05/19/2025

Re: Paid Parental Leave Follow Up Discussion

Review of the Direct and Indirect Costs to the Village to Implement Paid Leave Program

Original cost analysis included a three-year lookback period to predict total costs to Village. This cost analysis was to provide a conservative view at the internal costs to the Village and was presented to the Board.

1. Comprehensive list of items under consideration for costs to implement:

- Straight time paid to employee while employee is not at work.
 - This may be included in an analysis because the Village is paying an employee while no work or output is received from them during this period. Work may additionally be transferred to other staff to cover.
- All related Village paid payroll expenses (not withholding liabilities), will be added in addition to the employee base wages.
- Temporary staffing considerations.
 - Contract staff may be brought in to assist during a leave process.
 - Due to the size of the Village, there are not enough staff available to always take on multiple roles.
- Overtime considerations
 - Some public service departments may need to expense overtime to cover during leave.
- Paid time off will be recorded as a liability until paid out, then will be expensed. The Village currently has contracts in place to pay out floating holidays, personal days, vacation, up to 50% sick time, comp time.
 - By offering a paid leave program, there will be more unused liability outstanding which may have otherwise be used during an employee's leave period.



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2. Determine length of leave.

The staff recommended paid leave options to include a minimum of 6 weeks to a maximum of 12 weeks for paid leave. There are several considerations and key points which may offset costs to run the program:

1. Staff who are eligible for short-term disability benefits may utilize these paid benefits to run concurrently with the paid parental leave of absence. This means that the birthing parent may receive 6 weeks of paid time at 2/3 of their regular rate for a vaginal birth, and the birthing parent may receive up to 8 weeks of pay at 2/3 of their regular rate for a cesarean, "c-section," birth. It is recommended these run concurrently to the paid leave and the paid leave is used to supplement the unpaid time.
2. Outstanding liability and expense cost can be reduced by not allowing paid parental leave to be a benefit which has the potential to be paid out. This has been outlined in the drafted policy.

Paid Parental Leave Cost Analysis Summary

Associated Cost	8 Weeks of Paid Parental Leave	12 Weeks Paid Parental Leave
Direct Wages Paid	\$85,260.00	\$127,890.00
Employer Paid State and Federal Expenses	\$12,840.16	\$19,260.23
Temporary Staffing	\$16,443.00	\$24,664.50
Liability Due to Accrued Paid Leave	\$44,121.84	\$44,121.84
Total Predicted Annual Cost to Village	\$158,665.00	\$215,936.57