



ORLAND
PARK

Road Scan Update & Utility Disruption Update

Joel Van Essen
Public Works Director

Road Scan Update

Agenda

- Road Scan: Alternative Scan Product
 - More than roads, Ai to assist staff, and less costly

Road Scan by Cyvl.com- Cyvl Transportation Infrastructure Platform

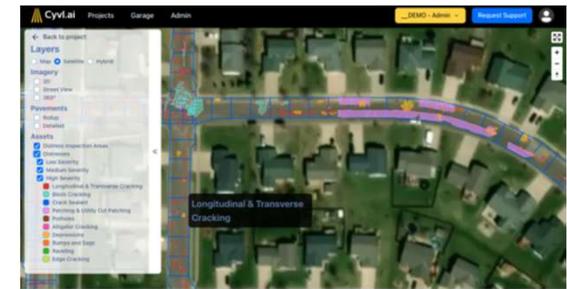
Alternative Product with improved Technology and Quality

- Steps to gather data and viewing data

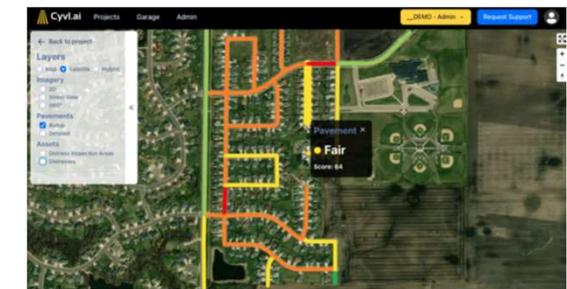
- Cyvl provides a vehicle-mounted LiDAR, GPS, and high-resolution camera system that allows us to complete a full Village-wide pavement scan annually, including PCI scoring and detailed distress mapping. Scan can be completed in a week (no moisture days) and data mined within two weeks by Cyvl.



- Data is downloaded in the form of GIS shapefiles, and 3D laser scans and integrated into Esri. Street view imagery is included.
- Data for 2026 will focus on roadway, signs (reflectivity), and striping.
- Road data show all the different types of distresses and severity and final Pavement Condition Index of roads from 1 (failed) to 100 (new). A score of 60 or higher is our Village's goal.



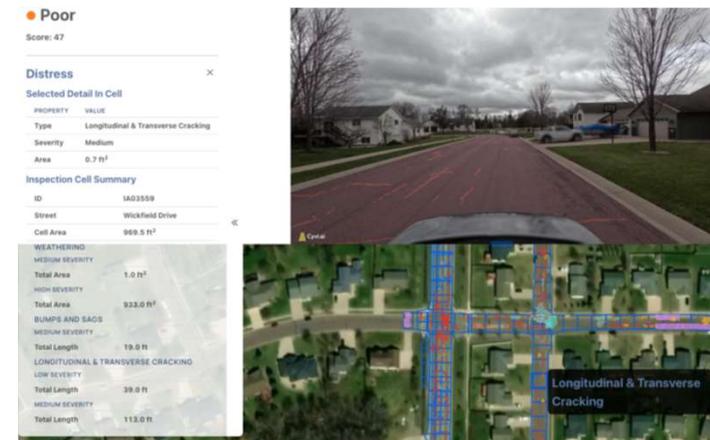
- View short 3 minute Video: <https://screen.studio/share/Xrin0mX0>



Road Scan

Implementation Plan and Benefits

- We will complete a pilot scan in 2026 for \$23,760.
- If successful, we will do a longer contract for 3 years +2 option years from FY27-32.



Benefits:

- **The data collected is more than roads.** The scan also captures signs, striping, curbs/gutters, trees, sidewalks, bike paths, guardrails, streetlights, and more. We could expand the data mining to other features after the pilot year at approximate \$2,300 each per data type.
- **An Ai “Public Works Assistant”** is included and a tool for staff. It can help determine future work areas for each type of data, costs for that area of work, and factor Village Capital budget planning.
 - IT sees application as the first true value-added Ai product for the Village.
 - Annual scans are recommended to improve the power of Ai based on yearly data.
- View short 2 minute Video: <https://screen.studio/share/ean5SBrB>

Road Scan

Implementation Plan and Benefits

Benefits Continued:

- **Data:** Each data scan can be stored in the Village and provided to any new platform for historical information.
- **Proactive versus Reactive:** The platform moves the Village toward proactive, data-driven infrastructure management. Instead of reacting to failures or complaints, we would have measurable, objective data to prioritize resurfacing, plan multi-year capital improvements, and address safety items before they become larger issues.
- **The product is a savings to Village**
 - Our previous scan was every 5 years, and the last cost was \$136,300. We anticipate it would be around \$150K next time. In addition, annually they updated our map with roads completed and run expected road depreciation for \$10K; so, a total of \$200K projected.
 - If we add a few additional items beyond roads, striping, and signs; such as curbs, sidewalks, and bike paths, we estimate around \$30K a year. Over a 5 year period, this would be \$150K projected.
 - A savings of \$50K.

Before I go onto Utility Disruption Update,
are there any Questions?

Utility Disruption Update

Agenda

- **Telecommunication Vendor Disruption:** Since notification to residents and utility vendors of suspension of new work the following actions have occurred.
 - Resident feedback received; Action item lists created for vendors in spring
 - Meetings held with each telecommunication vendor Government Representatives and Project Managers and also Nicor/ComEd
 - Process improvements in three (3) types of work
 - **Service Drops (Connections): Non-Permitted**
 - **Emergency Work to restore services: Non-Permitted**
 - **Planned new work: Permitted**
 - Ordinance Update and Timeline
 - Work to recommence March 1st (weather permitting)

Resident and Utilities Feedback

What is to be fix in spring?

- 70% of the feedback is related to service drop lines not buried yet.
- 10% of the feedback is related to restorations still required in spring.
- 20% of feedback is repair work due to found damage later from boring operations by other utilities fixing what other telecommunication vendors (AT&T, Comcast/Xfinity, or Astound) are doing.



Junction box not flush w/grass-settling



Open cabinet



Service drop need burial



Service drop need burial



Damaged drain pipe

Service Drops (Connections): Not permitted

Improvements

- Allowed still during winter but ran on top of ground
- From March 15 to November 1, service lines are to be buried within two weeks after connection.
- From November 1 to March 15 (winter-ground frozen), it must be completed by May 31st.
- Better notification to any residents that is affected by cable/fiber running from junction box/pedestals to house that requested the services via door hanger or letter.
- On door hanger or letter, residents should be encouraged to report any other personal utilities that are not J.U.L.I.E. marked that the vendor should know about before start of work to include electronic dog fences, sprinkler systems, power to sheds/pool or a light, drain tile, drain piping from downspouts, septic fields or wells if not transition to Village system yet, and pool piping.

MAYOR
Keith Pekou
VILLAGE CLERK
Patrick R. O'Sullivan
15655 S. Rowlett Avenue
Orland Park, IL 60462
708.403.6350
orlandpark.org



TRUSTEES
William R. Healy
Cynthia Nelson-Kotzenes
Michael E. Milano
Sean Kampas
Brian J. Riordan
Joni J. Rodaszewski

Telecommunication Service Drops

VENDOR NAME: ABC

DATE: Feb 15, 2026

PURPOSE: Ensure proper notification, quality control, and final inspection procedures.

1. NOTIFICATIONS

- All residents must be at minimum notified with a door hanger pamphlet or letter for any property that the cable/fiber is run across from junction box/pedestals to the home that requested the drop.
- Letter shall include anticipated date of return to bury the line.
 1. From March 15 to Nov 1st, it must be installed within two weeks of drop.
 2. From Nov 1st to March 15, it must be completed by May 31st.
- On the door hanger or letter, residents should be encouraged to report any other personal utilities that are not J.U.L.I.E. marked that the vendor should know about before start of work to include electronic dog fences, sprinkler systems, power to sheds/pool or a light, drain tile, drain piping from downspouts, septic fields or wells if not transition to Village system yet, and pool piping.
- On the door hanger or letter, it shall include a contact phone number for questions.
- Public Works shall be notified by email of drop locations by the end of the next day by vendor at publicworks@orlandpark.org or 708-403-6350 so we also are aware of cable/fiber on the ground and not buried.
- When finally buried and Quality Control has been completed by vendor, a follow-on email shall be sent to Public Works for final inspection of area by Quality Assurance Supervisor.
- All subcontractors of vendors must be registered with the Village prior to start of work. Registration is with Development Services Department of Village.
- All subcontractors of telecommunication vendor shall clearly display the name of the telecommunication vendor they are working on behalf of.
- All subcontractor's personnel working on site shall have clear identification of what telecommunication vendor they are working on behalf of. Examples could be a safety vest, shirt, or badge.
- As part of vendor's emergency contingency plan that outlines emergency notification procedures for work in the field, if there is damage to any other utility, once that utility is notified, J.U.L.I.E. notified, the vendor must notify Public Works as well.

2. QUALITY CONTROL

- During work, all areas must be restored to like condition. This includes landscaping, grass, concrete, and asphalt if it is affected by the service drop installation. Boxes must be closed as well. The vendor must ensure all work is completed before requesting final inspection with Public Works.

3. FINAL INSPECTION

- Upon notification to Public Works for final inspection, inspector will go to site to ensure quality assurance is performed. Any deficiencies shall be immediately reported to vendor.

Emergency Repairs: Not Permitted

Improvements

- Better notification to any residents that is affected by emergency work via door hanger or letter. Date of any restoration work in spring to be noted as well if during winter season.
- On door hanger or letter, residents should be encouraged to report any other personal utilities that are not J.U.L.I.E. marked that the vendor should know about before start of work to include electronic dog fences, sprinkler systems, power to sheds/pool or a light, drain tile, drain piping from downspouts, septic fields or wells if not transition to Village system yet, and pool piping.

MAYOR
Keith Pokras
VILLAGE CLERK
Patrick R. O'Sullivan
15655 S. Ravinia Avenue
Orland Park, IL 60462
708.403.6350
orlandpark.org



TRUSTEES
William E. Healy
Cynthia Nelson Katsenas
Michael K. Milano
Sean Kompos
Brian J. Riordan
Jon J. Radziewski

Telecommunication Emergency Work

VENDOR NAME: ABC

DATE: Feb 15, 2026

PURPOSE: Ensure proper notification, quality control, and final inspection procedures.

1. NOTIFICATIONS

- All residents must be at minimum notified with a door hanger pamphlet or letter for any property that the emergency is performed at for cable/fiber installation.
- Letter shall include anticipated date of completion of emergency work.
- On the door hanger or letter, residents should be encouraged to report any other personal utilities that are not J.U.L.I.E. marked that the vendor should know about before start of work to include electronic dog fences, sprinkler systems, power to sheds/pool or a light, drain tile, drain piping from downspouts, septic fields or wells if not transition to Village system yet, and pool piping.
- On the door hanger or letter, it shall include a contact phone number for questions.
- Public Works shall be notified by email of emergency as soon possible or by the end of the next day by vendor at publicworks@orlandpark.org or 708-403-6350 so we also are aware of emergency. If the emergency affects roads, the Police may also need to be notified and traffic measures deployed.
- When finally buried and Quality Control has been completed by vendor, a follow-on email shall be sent to Public Works for final inspection of area by Quality Assurance Supervisor.
- All subcontractors of vendors must be registered with the Village prior to start of work. Registration is with Development Services Department of Village.
- All subcontractors of telecommunication vendor shall clearly display the name of the telecommunication vendor they are working on behalf of.
- All subcontractor's personnel working on site shall have clear identification of what telecommunication vendor they are working on behalf of. Examples could be a safety vest, shirt, or badge.
- As part of vendor's emergency contingency plan that outlines emergency notification procedures for work in the field, if there is damage to any other utility, once that utility is notified, J.U.L.I.E. notified, the vendor must notify Public Works as well.

2. QUALITY CONTROL

- During work, all areas must be restored to like condition. This includes landscaping, grass, concrete, and asphalt if it is affected by the emergency. Pedestals must be ~~cleared up~~ as well. The vendor must ensure all work is completed before requesting final inspection with Public Works.

3. FINAL INSPECTION

- Upon notification to Public Works for final inspection, inspector will go to site to ensure quality assurance is performed. Any deficiencies shall be immediately reported to vendor.

Planned New Work: Permitted Improvements

- Kick-off Work with a Pre-Construction meeting that highlights Village's expectation and other requirements in the Village Code, 7-102.
 - Annual Requirements
 - Notifications to residents
 - Emergency Contingency Plans/Notifications
 - Suspensions, Revocations, Stop Work, Penalties
 - Subcontractor's standards
 - Project meetings for larger scale projects
 - Quality Control
 - Final Inspection



Pre Construction Meeting Agenda (Utility Work)

VENDOR NAME: ABC

DATE: Feb 15, 2026

PURPOSE: All field work shall follow standards of project management that ensure policies and procedures are followed in the Village of Orlando Park. This includes adequate resident notifications, appropriate subcontractor management schedule monitoring, quality control, and final inspection. (Per Code 7-102.F Pre-Construction Meeting)

1. Attendees and Contract information for phone numbers and emails:
 Vendor Project Manager: _____
 Vendor Subcontractor: _____
 Public Works Representative: _____

2. Location:
 a. Preconstruction Meeting can be in person at Public Works, 15655 S. Ravinia Ave, Orlando Park or via Teams meeting.
 b. Work Location: Permitted Area
 c. Location of equipment laydown

3. Schedule: Expected start date, completion date

4. Scope of Work/Permit # per 7-102.D:

5. Village Code 7-102 Construction of Utility Facilities in the Public Rights-of-Way/Easements

6. Franchise Agreement per 7-102.A

7. Annual Requirements

- Per 7-102.C, every utility shall register on January 1 providing utility's name, address and regular business telephone and a name of contact person in connection with emergencies and 24-hour telephone number of individual.
- Per 7-102.C, 7-102.D, and 7-102.H every utility shall provide evidence of certificate of insurance on January 1.
- Per 7-102.D, a Traffic Control Plan on file.

downspouts, septic fields or wells if not transition to Village system yet, and pool piping.

On the door hanger or letter, it shall include a contact phone number for questions.

c. In addition, signs on street will be displayed for residents notifying them that work is beginning.

- Small section of Village Project
 - If the project is only small in scale, telecommunication vendors shall follow paragraph 1b.
- Upon arrival and before work commences for large- or small-scale projects, subcontractors shall inform residents prior to entering backyards so that pets are not affected and any hazards can be identified.
- If there are any delays or changes to schedules telecommunication vendor shall provide to residents.

ii. Subcontractor standards. Due to telecommunication vendors using subcontractors to accomplish the work in the field, project management of the subcontractors is critical for successful execution of work.

- The telecommunication vendor shall have a Project Manager and a Quality Control person in the Village where subcontractors are working. Based on size of project and number of subcontractors working, the Project Manager could be dual hatted as the Quality Control person.
- All subcontractor's vehicles shall clearly display the name of the telecommunication vendor that they are working on behalf of.
- All subcontractor's personnel working on site shall have clear identification of what telecommunication vendor they are working on behalf of. Examples could be a safety vest, shirts, or badges.

iii. Construction Meeting. A preconstruction meeting is required for any permitted work. For larger Village wide projects, after the preconstruction meeting is held whether in person or on Microsoft Teams, a weekly meeting with Public Works and the Project Manager and Quality Control will be scheduled to ensure project coordination occurs. The agenda will include at minimum the following items.

- What new permits are being approved.
- What open permits are ongoing.
- Notifications
- Location of equipment laydown.
- Weather impacts for work areas to include snow and rain. Winter work season from November to March should only be for emergency work.
- Quality Control update.

iv. Quality Control. For each permit location, the following Quality Control shall be followed to ensure work is complete to the Village's code.

- Ensure subcontractor hand dig or hydro-excavate any utility crossings or within 18 inches of another utility.
- Check open holes to make sure they are safe by following IDOT standards.

d. Per 7-102.D, an Emergency Contingency Plan is on file that includes response by the vendor. The response includes notification to the Village for utilities hit and shall promote protection of the safety and convenience of the public. The plan shall be given to subcontractors so personnel can be trained. In the plan, it should include nearest hospital for personnel. Photos of site is required and site to be left undisturbed if an investigation is required.

Public Works shall be notified by email of emergency as soon possible or by the end of the next day by vendor at publicworks@orlandpark.org or 708-403-6350 so we also are aware of emergency. If the emergency affects roads, the Police may also need to be notified and traffic measures deployed.

e. Per 7-102.D, 7-102.L, evidence of posting of the security fund in the form of cash, surety bond, or an unconditional letter of credit.

f. Per 7-102.E, Unless otherwise provided by franchise, license, or similar agreement, all application permits shall be accompanied by a fee in the amount of \$100.00. No application fee is required to be paid by any telecommunications retailer that is paying the Village Telecommunications Infrastructure Maintenance Fee pursuant to Chapter 7 of Title 3 of this Code or the optional state Telecommunications Infrastructure Maintenance Infrastructure Maintenance Fee Act or by any electrical utility that is paying pursuant to the municipal electricity infrastructure fee pursuant to the Electrical Infrastructure Maintenance Fee Act.

g. Per 7-102.F, all contractors and subcontractors shall be properly licensed and bonded and registered with the Village within Development Services Department.

B. Permit Suspension, Revocation, Stop Work, and Fines:
 a. Per 7-102.K, reasons for suspension, revocation, or stop work order.
 b. Per 7-102.V, penalties.

9. Construction

a. Per 7-102.M, General Construction Standards.
 i. Resident Notification. Notification of residents is required to perform work on properties and depending on the scale of project, additional notifications are required.

ii. Enter Village Project
 a. If the project is to provide service to entire Village, the Village will be broken into zones with each zone being notified prior to work to commence. This notification would be by letter by certified mail and Village will review and approve letter prior to being released for the first zone.

b. Once permits are approved for areas with each zone, before work in a neighborhood begins, a door hanger notification or certified mail letter is required to provide residents with an estimate date of commencement of work and email and phone of person to contact for questions.

On the door hanger or letter, residents should be encouraged to report any other personal utilities that are not ILLI.E. marked that the vendor should know about before start of utility including electronic dog fences, sprinkler systems, power to sheds/pool or a light, drain tile, drain piping from

3. Confirm materials and tools are properly stored.

4. Ensure pedestals are vertical and closed.

5. Confirm pedestals and flush ground boxes are labeled with telecommunication's vendor name.

6. Certify the restoration of grass areas are compacted level to existing ground, and appropriate seeding/blanketing is placed per IDOT standards.

7. Certify restoration of streets is complete and follow IDOT ILN50 standards.

8. Certify restoration of sidewalks is completed. If a portion of a square is affected, the entire square shall be replaced.

v. Final Inspection. Upon completion of the permit area a final walk-through inspection shall be conducted with Public Works so the Quality Assurance Representative can sign off on work being completed. This will ensure that all work is to the standards of code and that any future work by other telecommunication vendors is not confused with prior work in that same area.

b. Per 7-102.N, Traffic Control
 c. Per 7-102.P and Q, Construction Methods and Materials

i. Tree Preservation
 ii. Backfilling and settling
 iii. Pavement cuts and restorations

iv. Concrete cuts and restorations
 v. Grass restorations- 10 days to be done

vi. Laydown areas
 vii. ILLI.E. markings- Ensure ILLI.E. markings are present before any site work begins. recommend taking photo prior to start of work.

viii. Per 7-102.R Removal or Modifications of Utility Facilities

Ordinance: Construction of Utility Facilities in the Public Right-of-Way

Updates to Ordinance and Timeline

- Our Ordinance has two locations for topic, Chapter 3-8 and Land Code Section 7-102.
 - We will have single location in Land Code 7-102.
 - Chapter 3-8 will be updated to just reference 7-102 section.
- Within 7-102, we are adding **Section 7-102.M.3 Project Management** with subsection discussing:
 - Resident Notification
 - Subcontractor Standards
 - Construction Meetings
 - Quality Control
 - Final Inspection
- Ordinance notes that penalties will be assessed. Appendix B is referenced for fine structure.
- **February 16:** Public Hearing notice Deadline
- **March 3:** Plan Commission Review
- **April 6:** COW/BOT Meetings

Utilities Work Way-Forward

Next Steps

- Work to expected to recommence March 1st (weather permitting)
- Each telecommunication vendors will address in spring their list to bury service drops, restore property, and repair areas.
- Each utilities especially telecommunication vendors will be provided the improvements of the three types of work.
- Each utility will be provided the updated ordinance once the board approves it.
- To continue to be proactive versus reactive and to have in-field personnel at different working sites, it is recommended to add five (5) part-time employees. Not only will they be observing telecommunication work but will proactively be in the field identifying and addressing concerns before the residents identify them. Some of the road scan savings can be used to offset the cost of \$45K per part-time.
- Message for Village residents: When winter weather ends in March, repairs are to commence and suspension will be lifted.

Questions