



## AGENDA

### INFRASTRUCTURE COMMISSION

Infrastructure Commission : February 20, 2025 at 6:00 PM  
Village Hall 740 Hillgrove Avenue, Western Springs, IL 60558

**A. Call to Order**

**B. Approval of Minutes**

1. October 10, 2024 Meeting Minutes

**C. Public Comment**

**D. New Business**

1. Capital Improvement Plan and Referendum Update
2. Municipal Services Department - 2024 Work Order Maintenance Summary Report
3. Cook County Plainfield Road Corridor Study - North Side Pedestrian Accommodations Between I-294 and Wolf Road

**E. Old Business**

1. Ridgewood Oaks Detention Basin Project Update

**F. Other Business**

1. Water System Update

**G. Adjournment**

Individuals with disabilities who plan to attend / participate in this meeting and who require accommodations to allow them to observe and participate, or who have questions regarding accessibility of the meeting or facilities, are requested to contact Jill Izzo at 708-246-1800, extension 127.

**Infrastructure Commission**  
**Meeting Minutes**  
**Thursday, October 10, 2024**  
**6:00 PM**  
Village Hall All-Purpose Room  
740 Hillgrove Avenue  
Western Springs IL 60558

Called to Order: 6:01 P.M. by Shawn Murphy

Roll Call:

**Commission & Committee Members Present:**

Thomas Kelleher – Chairman  
Shawn Murphy – Commission Member  
Eric Haas – Commission Member  
Thomas Mitoraj- Commission Member  
Dan Ciekó – Commission Member  
Dan Lewis-Commission Member  
Alan Fink – Village Trustee

**Staff Present:**

Matthew Supert Director of Municipal Services  
Jenny Pesek, Administrative Assistant-MS

**Others Present: None**

**Approval of Minutes:**

The Commission minutes from the 10/19/2023 Infrastructure Commission Meeting were approved with no corrections.

Motion to approve by Chairman Shawn Murphy without corrections, seconded by Commissioner Kelleher. All in favor Aye.

**Public Comment:**

None

**Capital Projects Update:**

**Burlington Avenue Infrastructure Improvements:**

Matthew Supert, Director of Municipal Services reported on these Projects. He reported this work is being funded by a combination of Tax Increment Financing (TIF) and Federal Surface Transportation Program (STP) grant funds. This project started in September 2025 and will conclude in Summer 2025. He reported Phase I will involve water main replacement, dining/pedestrian enhancements. Additionally, two bump outs to enhance sidewalks and egress Phase II will resurface Burlington Avenue slated for Spring 2025. Funded in part by approximately \$565,000 in federal grants covering 80% of construction costs. Director Supert reported this project aims to improve infrastructure

and pedestrian experience in this area. Director Supert was asked if this project will be concrete and stated that it will be asphalt.

**Flagg Creek Outfall Rehabilitation-Phase 4:**

Director Supert reported this project will rehabilitate four outfalls between 51<sup>st</sup> & 55<sup>th</sup> Street. Three are completed currently. Commissioner Lewis asked what the purpose of this project is. Director Supert stated these outfalls are in very poor condition and are for storm use.

**2024 Asphalt Patching Program:**

The annual asphalt street patching program work was completed in June 2024. Village staff conducted a street evaluation to identify areas for repair. J.A. Johnson Paving Contractor was awarded the contract as the lowest bidder. 5,527 square yards were pathed. The cost was just under \$150,00.00 across all subdivisions this summer.

**Springdale Point Repair Project Phase I**

Director Supert reported Robinson Engineering compiled inspection reports into the Village's GIS. Several locations were pinpointed for repairs to the sewer system. Nine locations were identified for immediate need in the Springdale subdivision and repairs were completed by Suburban General Contractors. Additionally, more repairs are budgeted for 2025.

**Springdale Stormwater Improvements (Springdale Park Detention Basin):**

This project involves the construction of a new stormwater detention basin facility in Springdale Park. New storm sewers and storm inlets will direct stormwater from the 5300 and 5400 Blocks of Howard and Franklin to the new detention facility. Discussion continued if this would lower the park. The Village will also be replacing select water mains within the project work area. The Village has been working with the Western Springs Park District to develop an intergovernmental agreement and easement agreement to facilitate the project. Village Staff expects the agreements to be approved by both agencies in October. The project construction cost is estimated at \$5.7M. The Village was awarded \$1M in grant funding from MWRD to help pay for the project. The remainder of the project cost will be funded through alternate revenue bonds backed by the Stormwater Utility Fee. The project is expected to begin construction in early 2025.

**Ridgewood Drive Stormwater Project:**

The purpose of the project is to reduce the impacts and duration of flooding on Ridgewood Drive between Birch Lane and Crest Lane. The project consists of construction of new storm sewer and storm inlets that will outfall to Flagg Creek. The Village is currently finalizing engineering design for the project. The Village was the recipient of \$1M of community partnership funding from Representative Sean Casten. The current estimate of cost of the project is \$2.4M. The project team is currently working through the federal funding process which includes environmental reviews and permitting. The Village's share of the project cost will be funded through alternate revenue bonds backed by the Stormwater Utility Fee. Commissioner Ciecko asked what the goal is, and Director Supert is reported to get the water out of the area, and they are not considering widening the creek. When a storm event hits they do not want to do not have the water stand.

**Hampton Avenue Resurfacing:**

The Village received \$924,800 of Federal Surface Transportation Program (STP) funds to resurface Hampton Avenue from Hillgrove Avenue to Ogden Avenue. The grant funding accounts for 80% of

Construction costs with the local share being funded through Motor Fuel Tax funding. The start is delayed so that the work can be completed in the summer while Laidlaw Elementary school is not in session.

**2025 Asphalt Resurfacing Program-45<sup>th</sup> Street Wolf to Gilbert Avenue:**

Design engineering work on the Village's 2025 asphalt resurfacing program has begun. The Village anticipates including the resurfacing of 45<sup>th</sup> Street from Wolf Road to Gilbert Avenue in the 2025 Fiscal Year budget. The project is expected to be bid in early 2025 and construction will take place in the summer of 2025. The Village also anticipates completing the 2025 asphalt pavement patching program under a combined contract with the resurfacing program.

**West Underpass Burlington Avenue Crosswalk and sidewalk to Spring Rock Park & Concrete Pavement Repairs on Hillgrove:**

Director Matthew Supert reported to the Commission the Village has completed engineering design of a raised crosswalk which will be installed on the south end of the West Underpass. The crosswalk will lead to a new concrete sidewalk which will run west on the south side of Burlington Avenue connecting to the existing Spring Rock Park path system. This project will create a pedestrian safe and handicap accessible link between the West Underpass and Spring Rock Park. The work is expected to begin in early Spring 2025

**Safe Routes to School-School Travel Plan:** The Village applied for Safe Routes to School grant funding from IDOT and was awarded \$75,000 to review conditions and develop a travel plan for all schools in the Village. Existing conditions and travel routes to schools will be evaluated and recommendations on potential improvements will be provided. The project agreement was recently executed, and the Village will be issuing a request for proposals to find interested firms to develop the travel plan. The plan is anticipated to be completed towards the end of 2025.

**Woodland Avenue Roadway and Infrastructure Improvements:**

The Village has completed engineering design for roadway and infrastructure improvements on Woodland Avenue between Burlington Avenue and 47<sup>th</sup> Street. This segment is one of the lowest rated pavement conditions in the Village and it also has the project will include reconstruction of the roadway with new concrete pavement and replacement of the existing 4" water main with a new 8" water main. Additionally, the plans include construction of new separate storm sewers which connect to the newly constructed separate storm sewer on Elm Street (installed with the Central Avenue project in 2023) and partial rehabilitation of the sanitary sewer line. The project is currently not funded for construction, the project could move forward if the upcoming infrastructure referendum is approved

**Grand Avenue East Sidewalk-51<sup>st</sup> Street to 55<sup>th</sup> Street (Forest Hills):**

Director Supert reported the Village received \$190,000 of funding from Cook County to install new sidewalks on Grand Avenue in Forest Hills. The project involves installing missing sidewalks and constructing ADA-compliant sidewalk ramps at each intersection on the east side of Grand Avenue, between 51<sup>st</sup> Street and 55<sup>th</sup> Street to create a continuous sidewalk. Existing sidewalks are expected to remain in place though they will be evaluated to determine if repairs are necessary. In addition, the Village will make efforts to preserve parkway trees. The project will be partially funded utilizing the 2023 American Rescue Plan Act – State and Local Fiscal Recovery Fund (Invest in Cook Expansion Program Subaward Project). The Village has budgeted for the local share of the project costs, there will be no direct

cost to the residents for the new sidewalk installation. The engineering design is approximately 60% complete. Construction is anticipated to take place in the spring/summer of 2025.

**2024 Lead Service Line Replacement Project:**

The Village identified 42 homes for lead service replacement and submitted for an IEPA loan for the project. Residents in the project were notified via letter. The Village is currently in the process of preparing loan documents. Director Supert reported the IEPA operates on a July 1<sup>st</sup> calendar year and the Village was notified in August 2024 it has received \$705,000 for the 2024 state fiscal year.

**FY 2025 Municipal Services Department Budget:**

Director Supert reported the Municipal Services Department contains the largest capital and operating budgets covering multiple funds. The Public Works & Water Committee reviews the following budget accounts:

**Motor Fuel Tax (MFT)**

**Roadway (Referendum)**

**Water Administration**

**Water Production**

**Water Distribution**

**Water Meters**

**Sewer Administration**

**Sewer Maintenance**

**October 16, 2024, Investing in Infrastructure Open House:**

A public open house for the Village's Capital Improvement Plan is scheduled for Wednesday, October 16, 2024, 4-6:00PM. This meeting will provide information on the overall CIP costs and various funding for projects. Chair Murphy continued discussion regarding grants and if is possible for other various projects. Director Supert added there is on-going discussion with the Finance regarding a possible referendum.

**Other Business:** Schedule upcoming Commission meetings, contact Jenny Pesek with your availability.

**Adjournment:**

Motion to adjourn the meeting 7:10 P.M.

by Shawn Murphy, Chairman and seconded by Commissioner Member Thomas Kelleher

Roll Call: Move to Close

Dan Ciecko, Commission Member vote: Aye

Dan Lewis , Commission Member vote: Aye

Eric Haas, Commission Member vote: Aye

Thomas Mitoraj, Commission Member vote: Aye

Meeting adjourned at 7:04 P.M.

Respectfully Submitted: Jenny Pesek



## **AGENDA ITEM SUMMARY**

### **INFRASTRUCTURE COMMISSION**

Infrastructure Commission : February 20, 2025

#### **AGENDA ITEM D.1.**

**To:** Infrastructure Commission

**From:** Matthew Supert, Director of Municipal Services

**CC:** Ellen Baer, Village Manager

**RE:** Capital Improvement Plan and Referendum Update

---

#### **Recommendation**

None.

#### **Summary**

In December of 2024 the Village Board authorized the inclusion of a referendum question to be placed on the April, 2025 election ballot. Referendum question shall state: "Shall bonds in the amount of \$45,000,000 be issued by the Village of Western Springs, Cook County, Illinois, for the purpose of constructing, repairing and maintaining said Village's infrastructure, bearing interest at the rate of not to exceed 7%?"

Information regarding the proposed referendum, including a property tax impact calculator, an educational video, proposed project information, and more can be found on the Village's website at: [wsprings.com/ref2025](https://wsprings.com/ref2025).

Village staff has held two (2) open house meetings to date, one digitally on January 23rd and the most recent on February 11th at the Thomas Ford Memorial Library. An additional open house meeting is tentatively scheduled for March 11th and a special edition of the Tower Topics will be sent to all homes in Western Springs.

#### **Financial Impact**

None.

#### **Recommended Motion**

None.

#### **Strategic Plan Alignment**

None.

#### **File Attachments**

None





## **AGENDA ITEM SUMMARY**

### **INFRASTRUCTURE COMMISSION**

Infrastructure Commission : February 20, 2025

#### **AGENDA ITEM D.2.**

**To:** Infrastructure Commission

**From:** Matthew Supert, Director of Municipal Services

**CC:** Ellen Baer, Village Manager

**RE:** Municipal Services Department - 2024 Work Order Maintenance Summary Report

---

#### **Recommendation**

None.

#### **Summary**

Attached for review and discussion by the Infrastructure Commission is a summary of work order information completed in 2024 from the Village asset management platform Asset Essentials.

#### **Financial Impact**

None.

#### **Recommended Motion**

None.

#### **Strategic Plan Alignment**

None.

#### **File Attachments**

1. Work Order Maintenance Summary Report

# **Maintenance Executive Overview**

**Village Of Western Springs**

**Generated 1/1/2025**

# Overview

## **Summary of Key Metrics for Work Orders Completed Over the Past Year**

The following report is a summary of information from the Village's Work Order and Asset Management System summarizing work orders over the past year.

## Time Frame

**Key Performance Indicators (KPIs): Past 12 Months**

**Trends: Past 3 Years, plus current year**

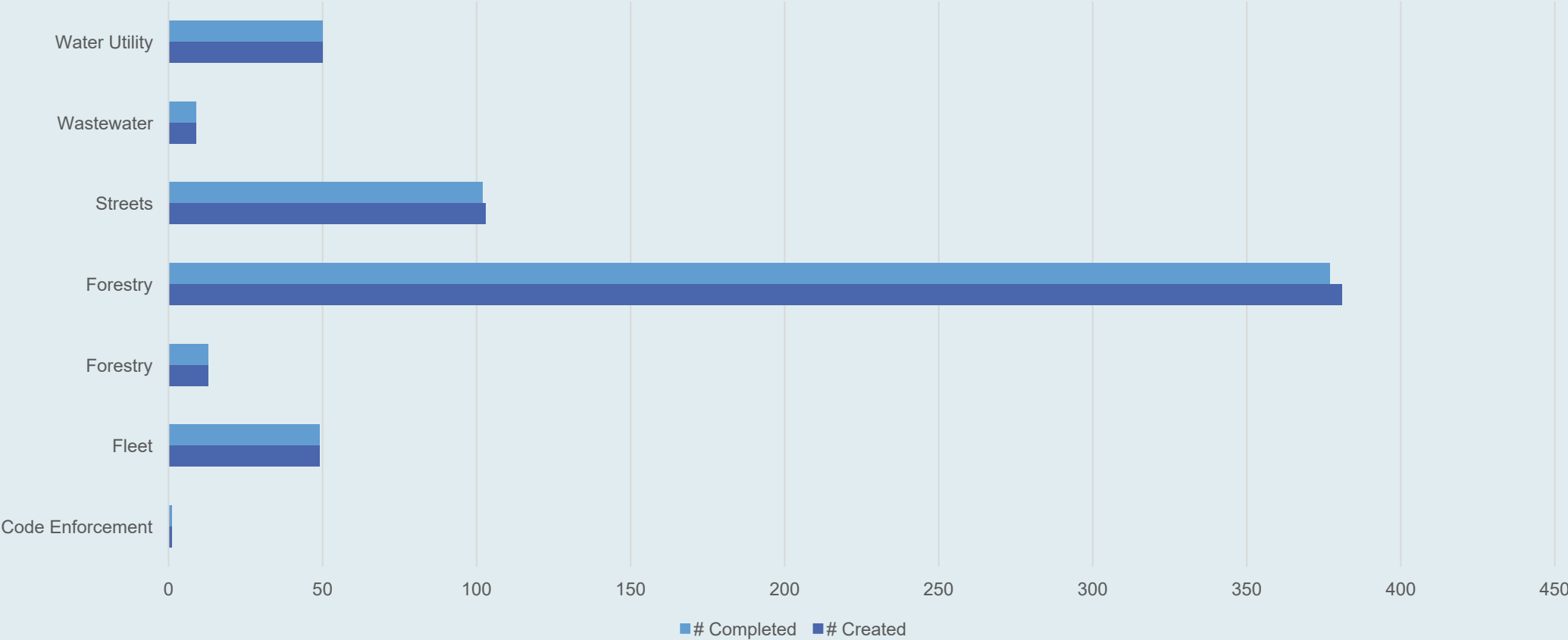
# Total Number of Work Order Requests

Total Reactive Maintenance (RM)

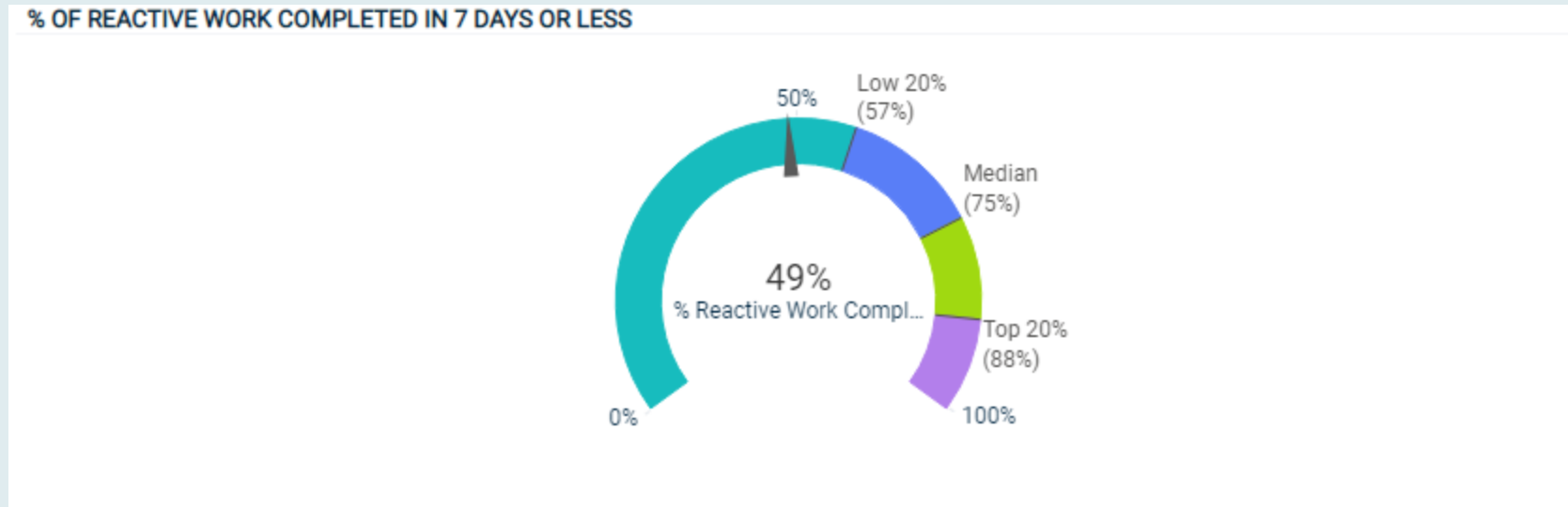
912

RM reflects how many repairs and jobs were captured in the 12-month rolling window. Reactive Maintenance is generated from public requests through the Village website or phone calls.

# Total Number of Work Orders by Type



# Percentage of Work Orders (WO) Completed in Less than a Week

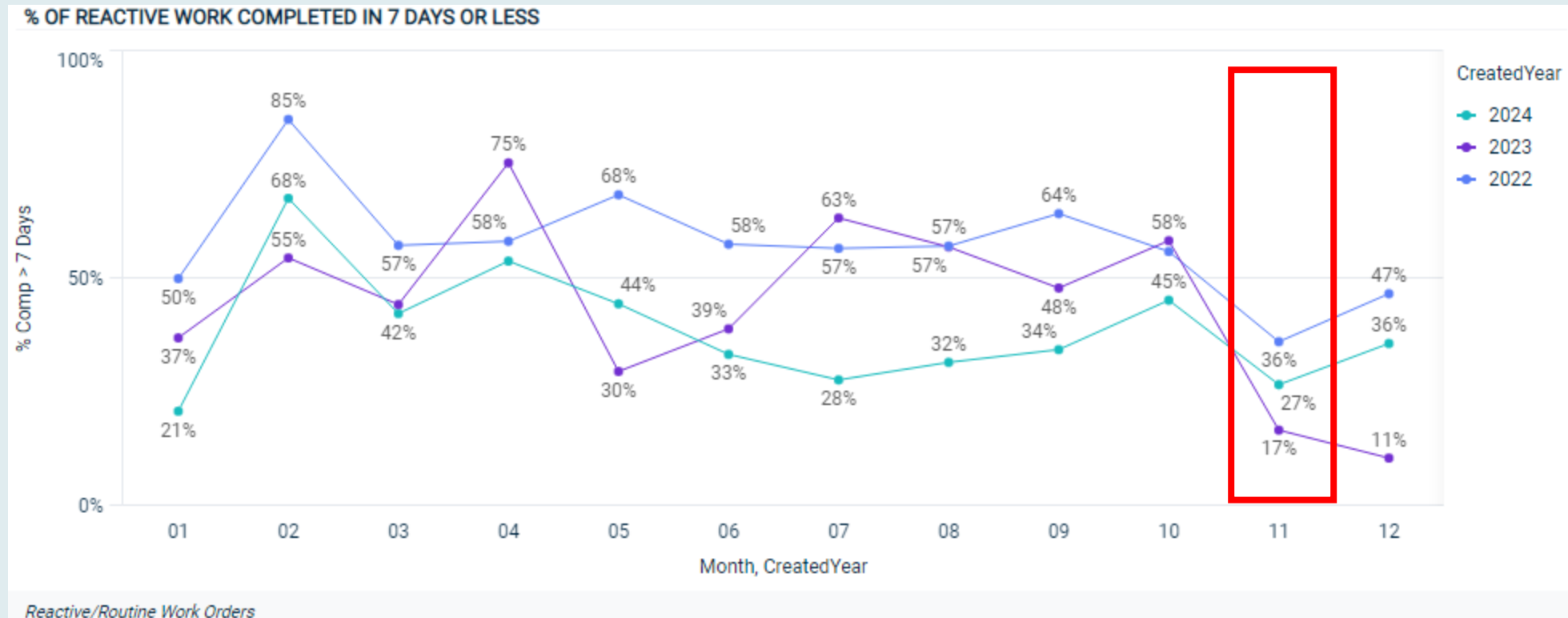


This KPI illustrates how much work the department is able to complete in 7 calendar days.

The chart compares Completion Date – Start Date (uses Request Date if Start Date is not used) for WO's with a Priority of Low, Med or High & ignores PM's to see what % of PM WO's are completed in 7 Days or Less. (Rolling 12 Months).

Data is compared utilizing aggregate information from Brightly's software platform.

# % of Work Completed in a Week or Less by Month/Year



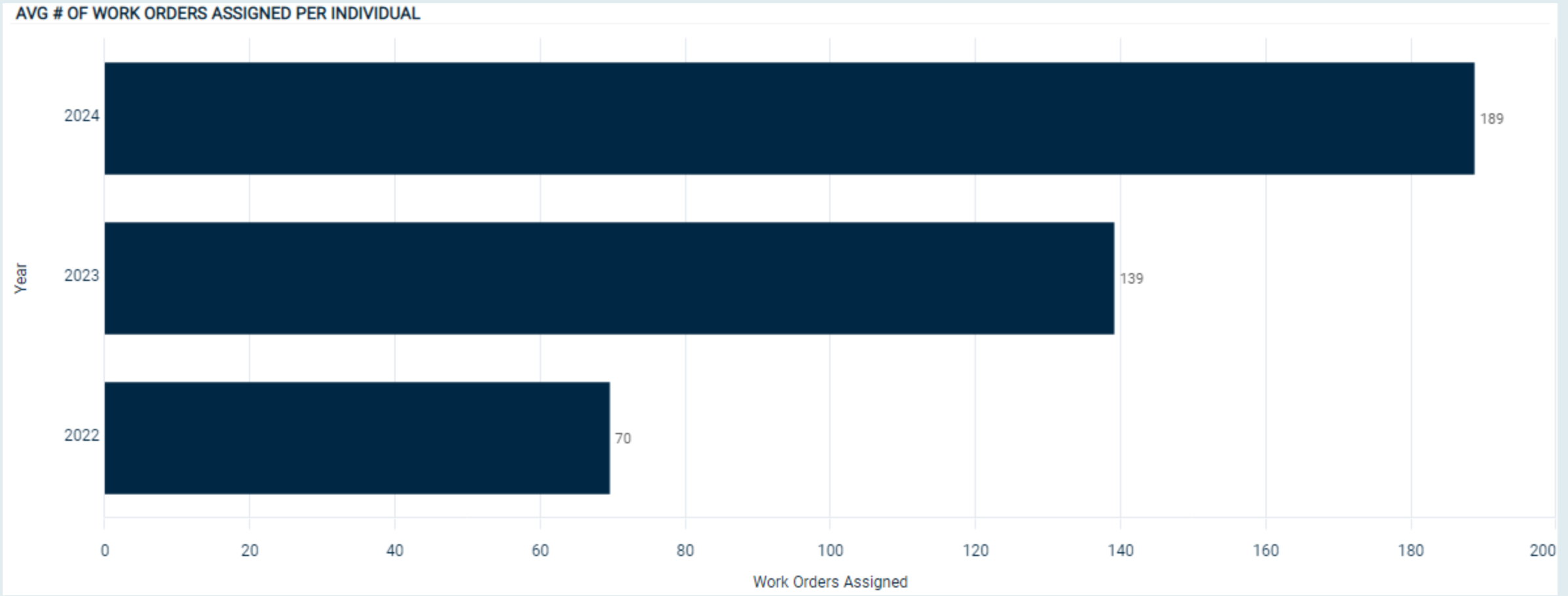
This chart compares completion data on a per month basis. The percentage of work order completion decreases significantly during the month of November which is during leaf collection season and staff is required to manage competing priorities.

# Average Number of WO Hours per Employee by Month, Year



This metric reflects how well the Village is capturing labor transaction data along with the productivity of staff. The hours captured in this metric are “wrench turning” hours that are performed on the actual work order. Institutions that implement productivity strategies increase wrench turning time up to four hours per week. That’s the equivalent of adding more than a month of productive time per year. Employees are users with more than 500 hours, but less than 3,000 in a rolling 12-month window.

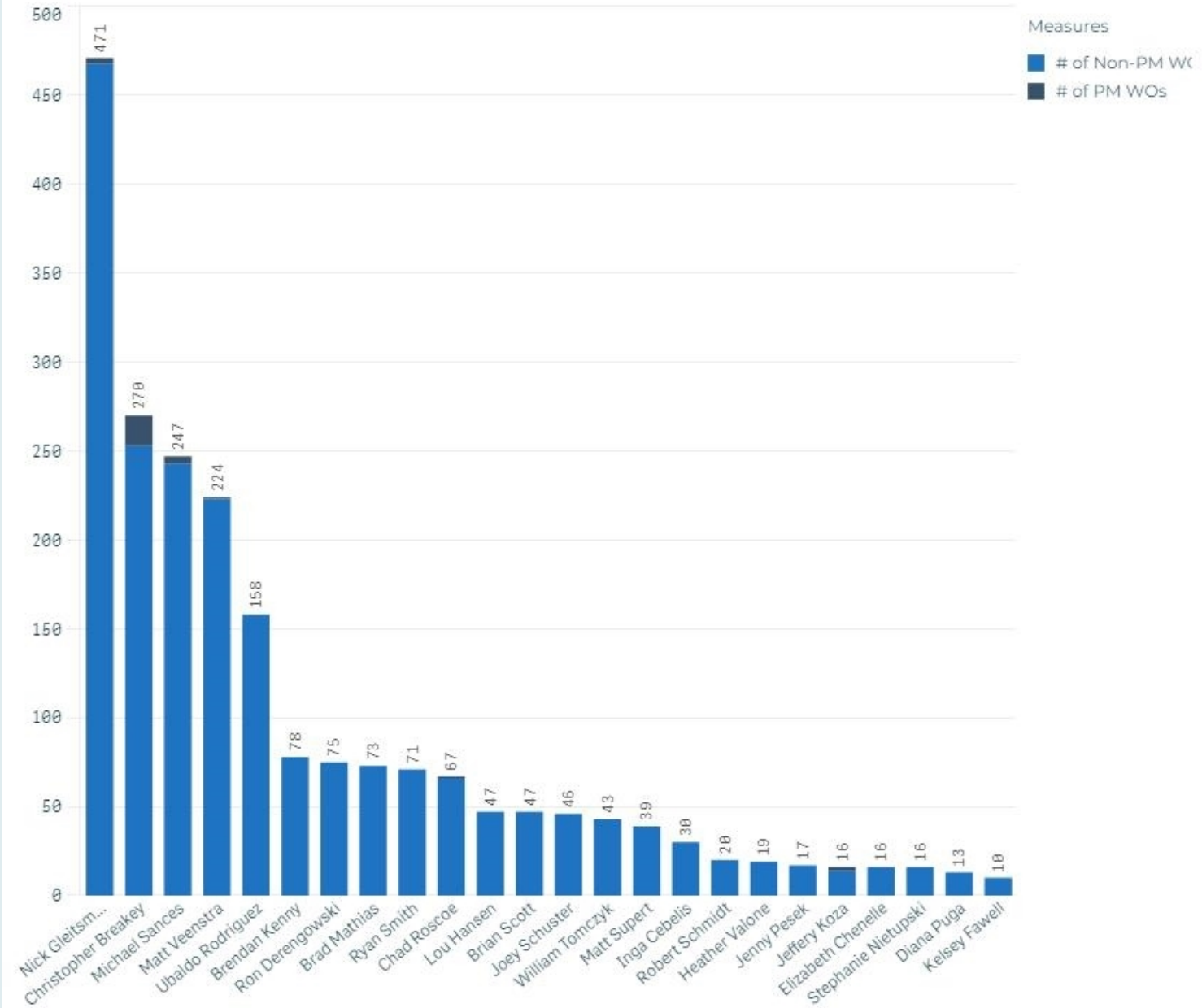
# Average Work Orders Per Individual by Year



Trend: Past 3 Years, plus current date: based on Created Date

# Total WO Count by Employee

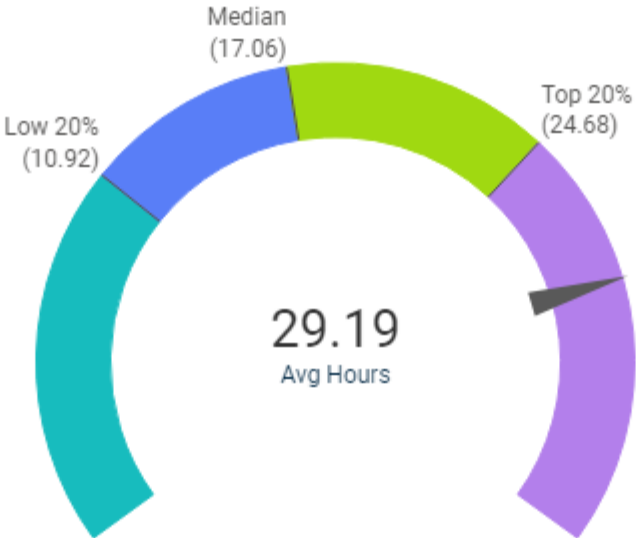
TOTAL WORK ORDERS BY ASSIGNEE



# Average Hours Per Employee Per Week

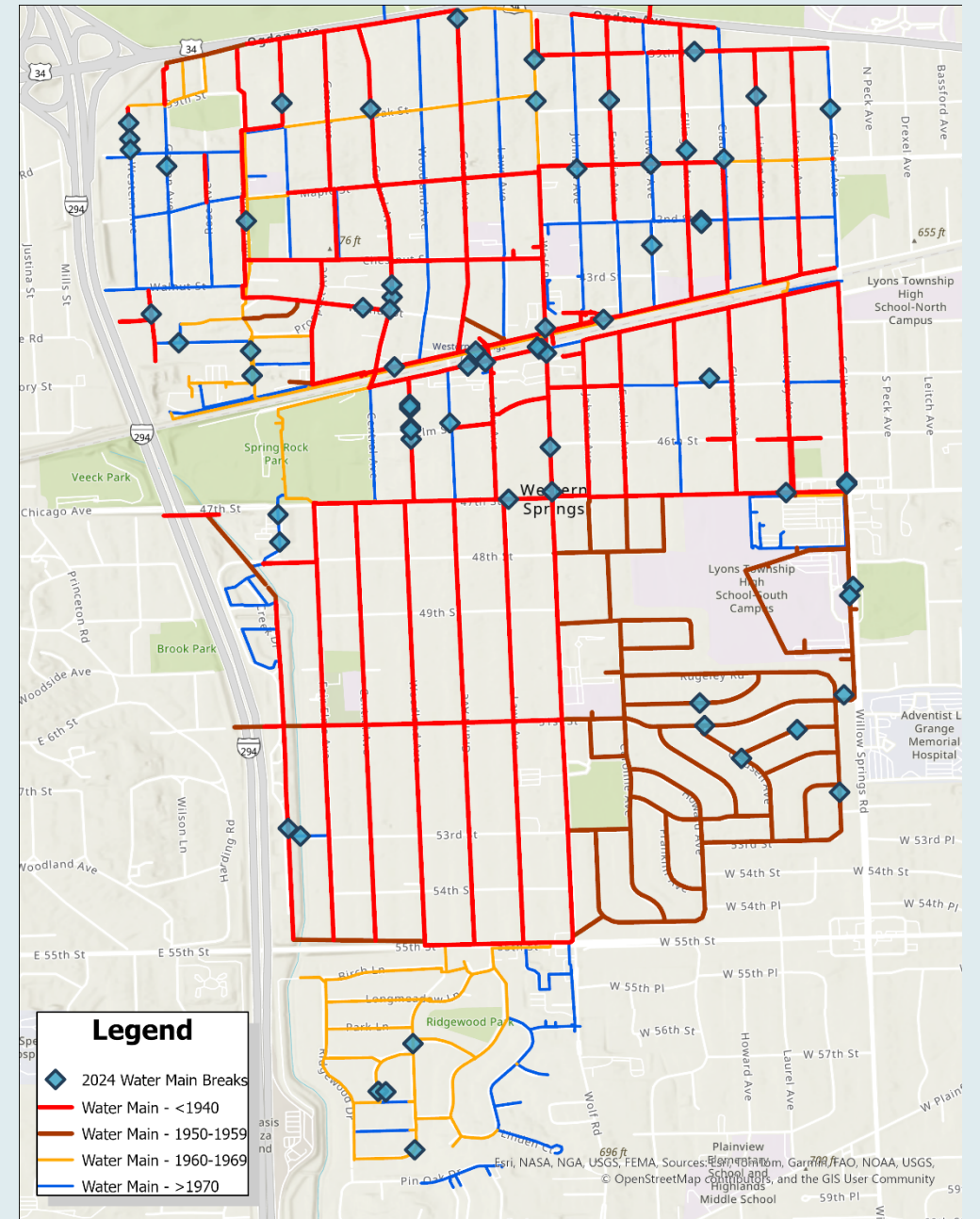
**AVG MAINTENANCE LABOR HOURS PER WEEK**

Technicians: 2



*\*Based on 47 work weeks per year.*

# 2024 Water Main Breaks





## AGENDA ITEM SUMMARY

### INFRASTRUCTURE COMMISSION

Infrastructure Commission : February 20, 2025

#### AGENDA ITEM D.3.

**To:** Infrastructure Commission

**From:** Matthew Supert, Director of Municipal Services, Jeff Koza, Director of Engineering Services

**CC:** Ellen Baer, Village Manager

**RE:** Cook County Plainfield Road Corridor Study - North Side Pedestrian Accommodations Between I-294 and Wolf Road

---

#### Recommendation

Village Staff is seeking a recommendation on which pedestrian accommodation alternative the Commission prefers.

#### Summary

The Cook County Department of Transportation and Highways (CCDOTH) is currently working on and nearing completion of what they have called as a corridor study (more commonly referred to as Phase 1 Engineering) of Plainfield Road between County Line Road and East Avenue. This is the initial step in the process for the CCDOTH to rebuild the roadway. There is no construction date established and CCDOTH has advised there are several more years of engineering work and right of way work needed before the project would be ready for construction. For details on the status of the overall study please visit the CCDOTH project website at [www.improveplainfieldroad.org](http://www.improveplainfieldroad.org). CCDOTH is the owner of Plainfield Road and they are managing all aspects of this project. The Village is coordinating with CCDOTH on the study because the roadway is located within Village boundaries.

The CCDOTH recently reached out to Village Staff seeking the Village's recommendation as to what pedestrian accommodations should be provided on Plainfield Road within the Village's boundaries of the Plainfield Road corridor. The specific area CCDOTH is asking about is the north half of Plainfield Road between I-294 and Wolf Road. Generally CCDOTH's current policy for pedestrian accommodations is to provide at a minimum a 5 foot wide sidewalk at a minimum on each side of the street for a newly reconstructed roadway. There is an existing asphalt path that runs along the southern edge of the Timber Trails subdivision. This path runs parallel to and immediately adjacent to Plainfield Road right of way. CCDOTH developed two alternatives for consideration.

**Alternative 1** would involve not installing new sidewalk between Burr Oak Drive and Wolf Road. CCDOTH would install sidewalk from I-294 to Burr Oak Drive and then at Burr Oak Drive the County would connect new sidewalk to the existing asphalt path system. The existing Timber

Trails asphalt path system would serve as the pedestrian accommodations for the north side of Plainfield Road.

**Alternative 2** would involve installing new continuous sidewalks in the north side of Plainfield Road right of way between I-294 and Wolf Road. It would run next to and parallel to the existing Timber Trails path system.

**Information to consider:**

- CCDOTH would install new sidewalks with the project with the project but require the Village to maintain the sidewalks in perpetuity.
- Eventually when Timber Trails subdivision is completed the asphalt path system will be located on outlot property which will be transferred to and owned by the Village. The path system on the outlot property will be maintained by the HOA per the subdivision development agreement. As a result the path system will remain open to the public for public use.
  - The Timber Trails subdivision is not complete. Phase 1 (generally east of Timber Trails Blvd) is nearly complete and the Village and the Developer have begun the process of review and acceptance of the public infrastructure. Phase 2 (generally west of Timber Trails Blvd) still has roughly 70 lots to build out and the developer expects the completion of these homes will take several more years. Currently the developer is still the owner of the land and paths. The paths are generally in fair to poor condition currently and before the Village would accept the subdivision the paths will need to be rehabilitated.
- A meeting was held in December with the HOA president and two other HOA board members, Village Staff, and the CCDOTH project team. Both alternatives and several variations of the alternatives were discussed. However at the end of the meeting there was no agreement on a preferred alternative. Several HOA concerns were outlined in the meeting minutes that are included with this agenda packet for your consideration.
- CCDOTH is planning to place an 8 to 10 foot wide shared use path on the south side of Plainfield Road for the entire project limits including on the south side of the road adjacent to the Timber Trails Subdivision
- CCDOTH notes that eliminating the Plainfield Road north side sidewalk would result in a reduction of hard surfaces and less stormwater runoff would be generated.
- Per CCDOTH, there will be public meetings this year which will allow for additional public comment on the matter.

**Financial Impact**

CCDOTH advised that they would require the Village to maintain any new sidewalk constructed in perpetuity however no intergovernmental agreement has been executed nor will it be executed until the project is much closer to construction.

### **Recommended Motion**

I move to recommend the CCDOTH Plainfield Road Corridor Study - North Side Pedestrian Accommodations Alternative \_\_ (1 or 2) \_\_ to the Village's Public Works and Water Committee for further review.

### **Strategic Plan Alignment**

N/A

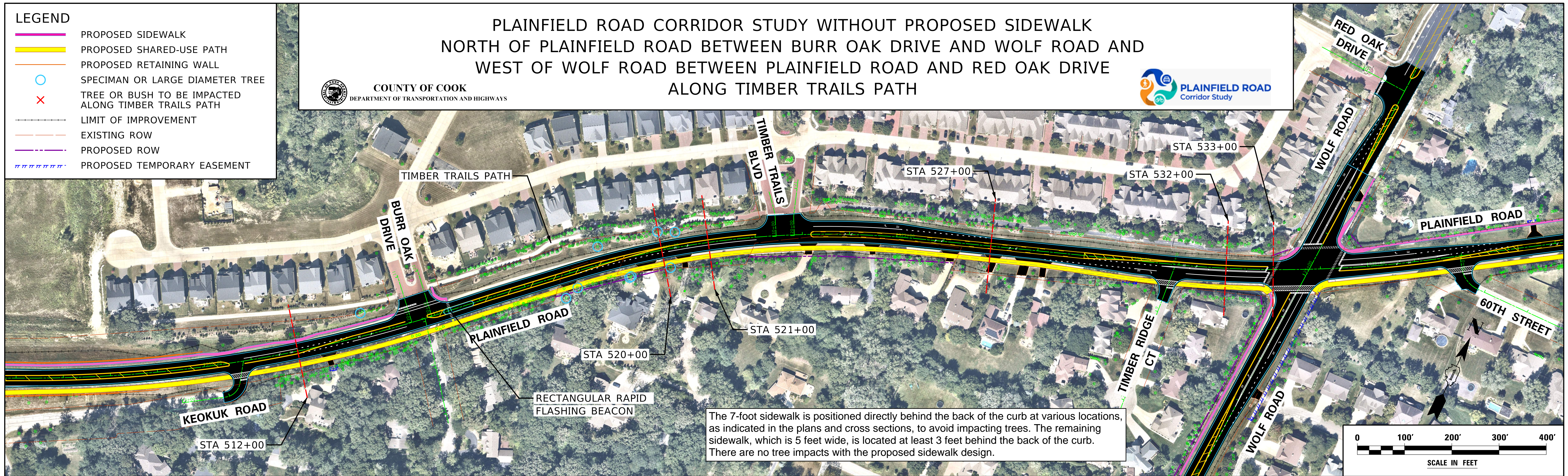
### **File Attachments**

1. D1B37-Alternative 1 - No new sidewalk along Timber Trails
2. D1B37-Alternative 2 - New parallel sidewalk along Timber Trails
3. Meeting minutes\_ Western Springs & Timber Trails HOA \_CCDOTH\_12112024

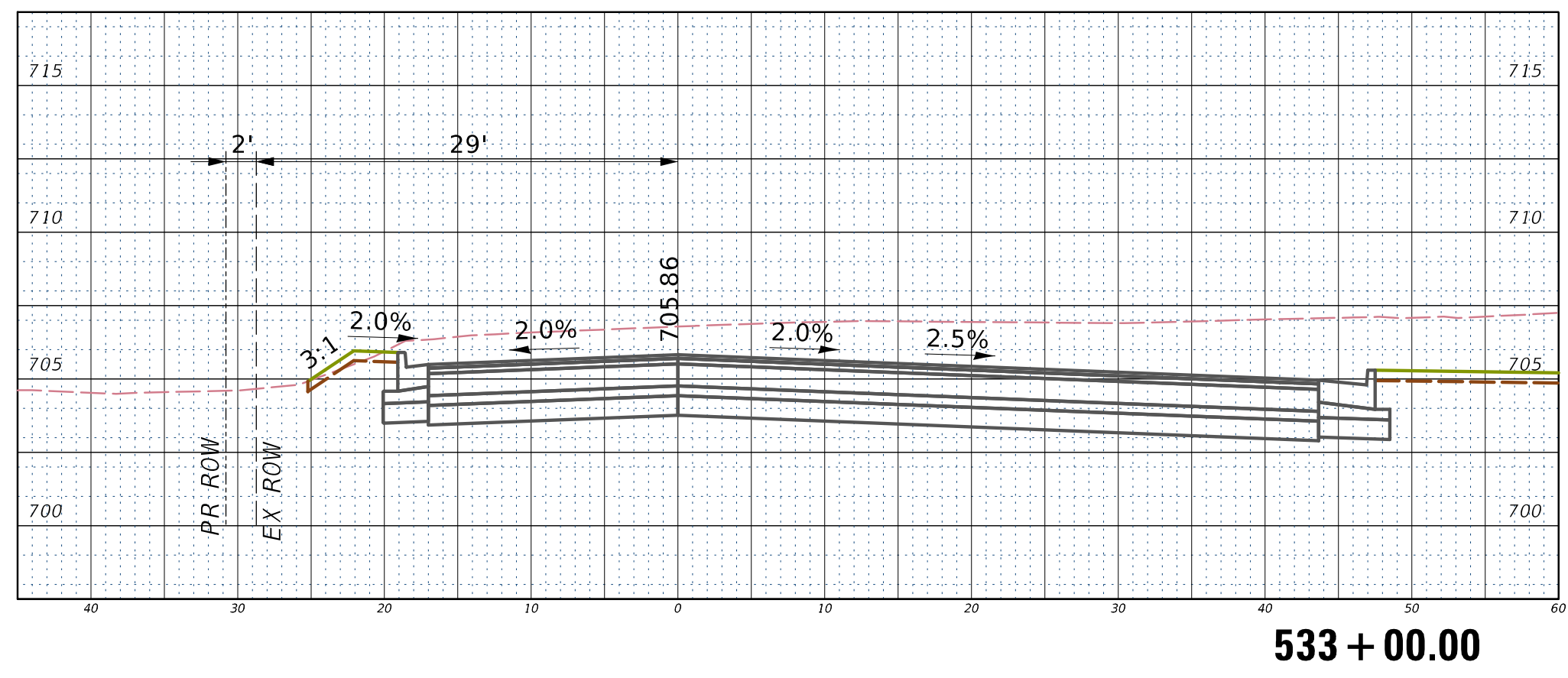
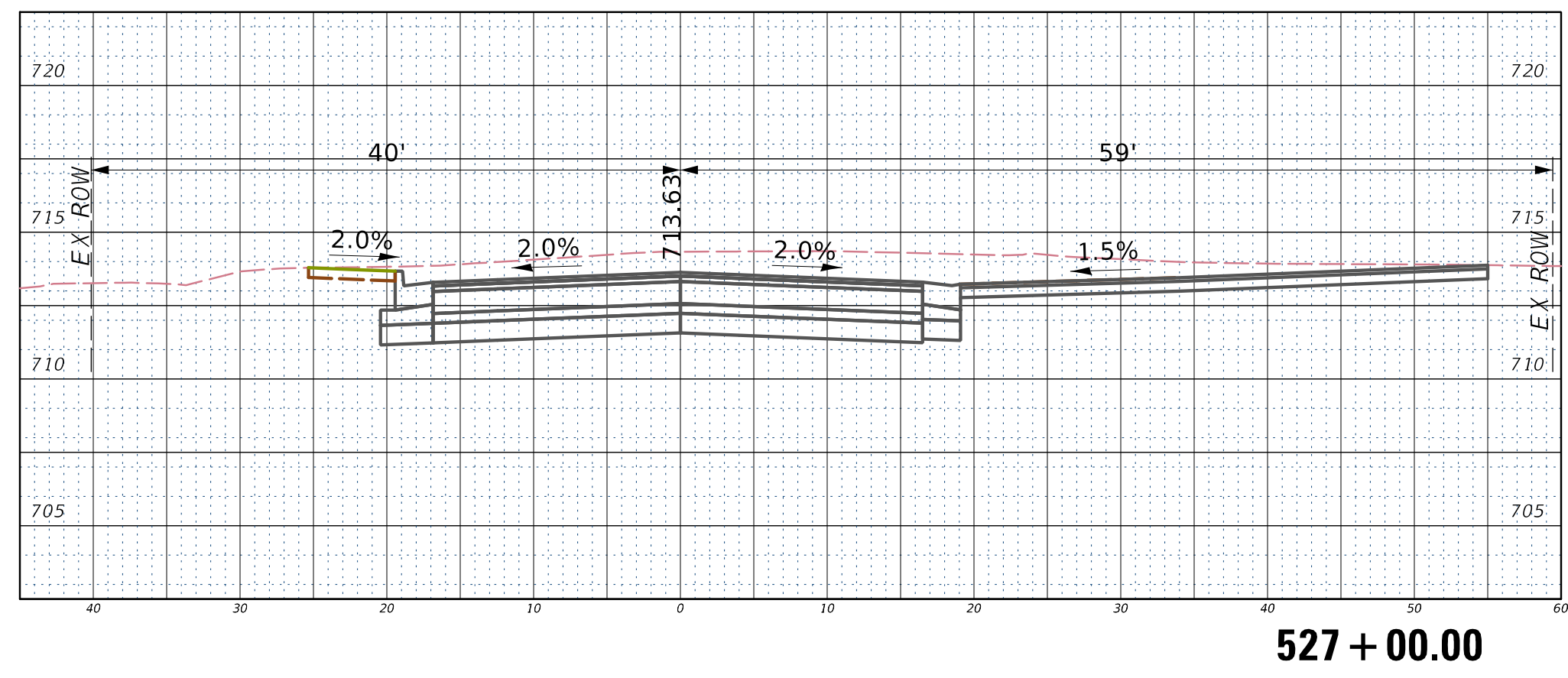
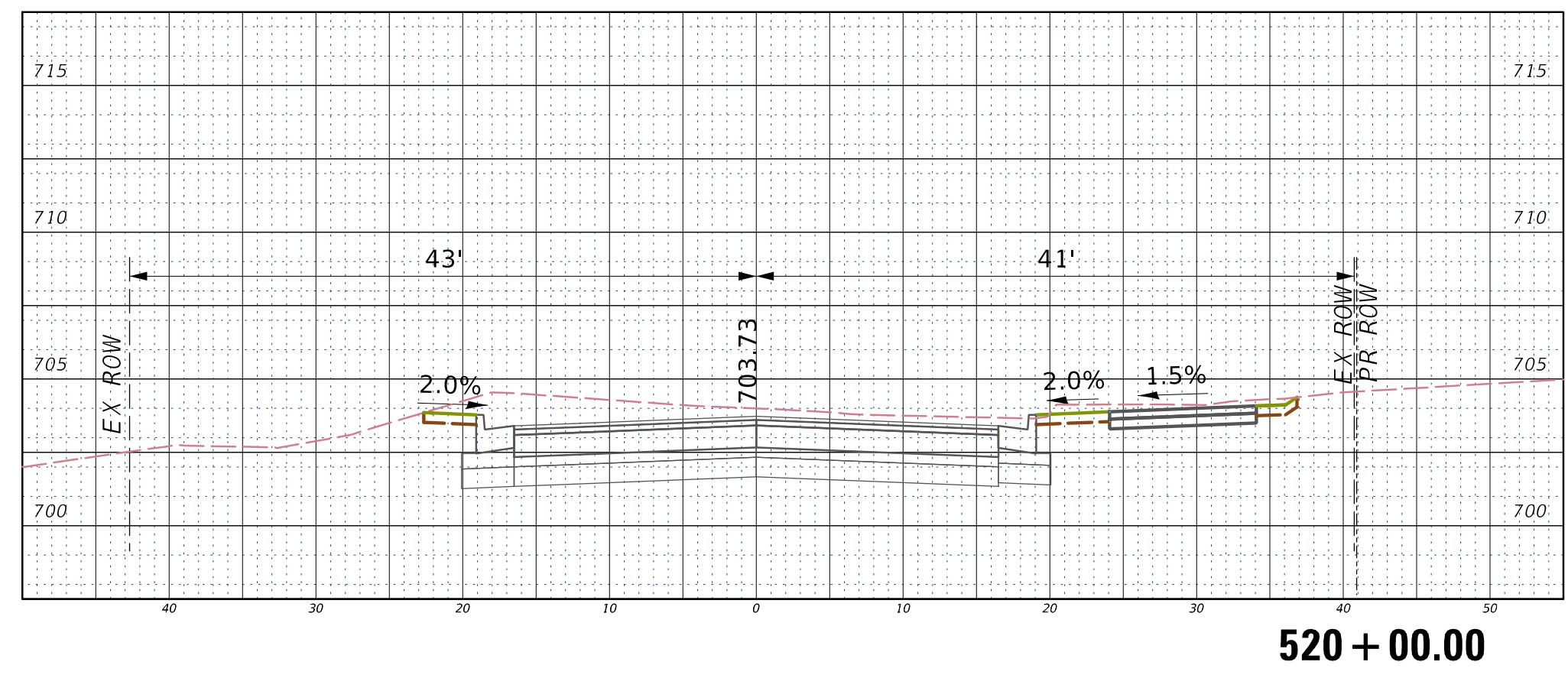
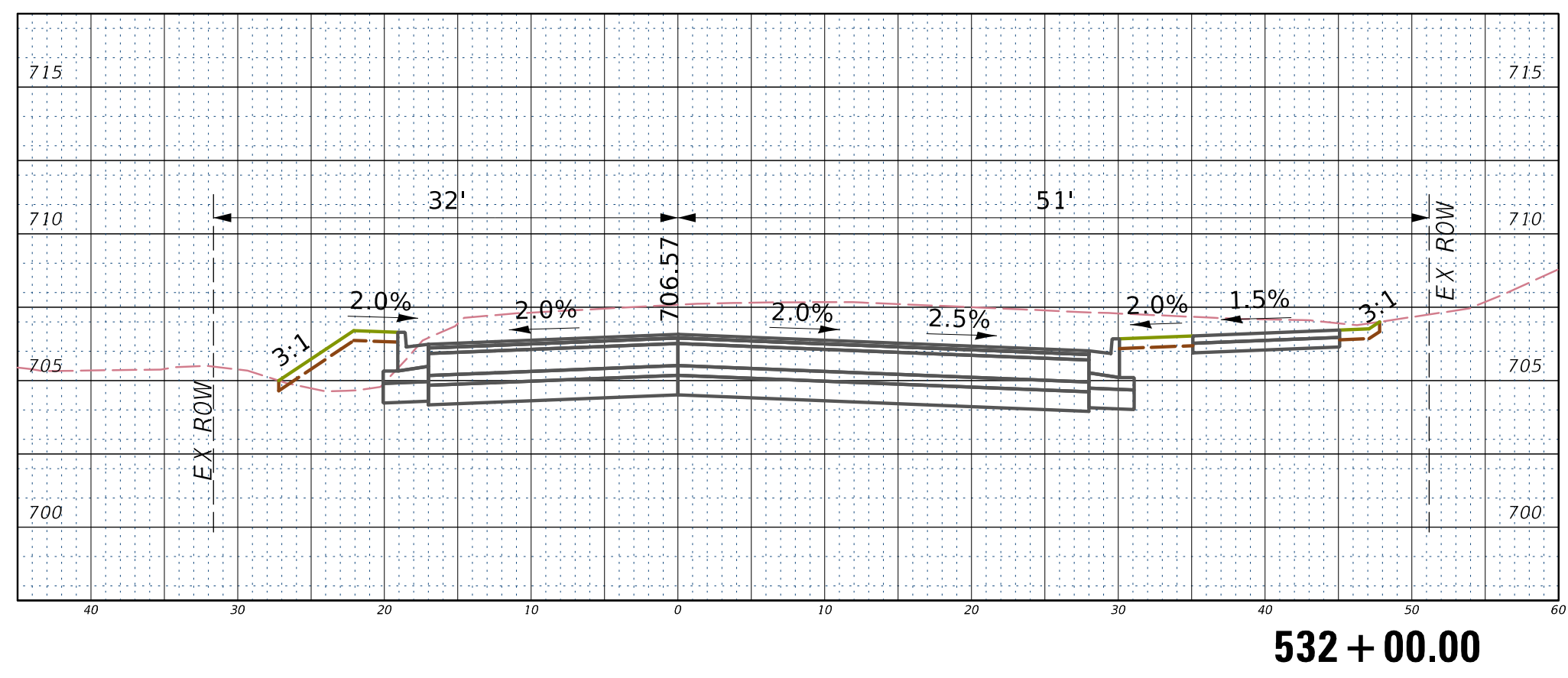
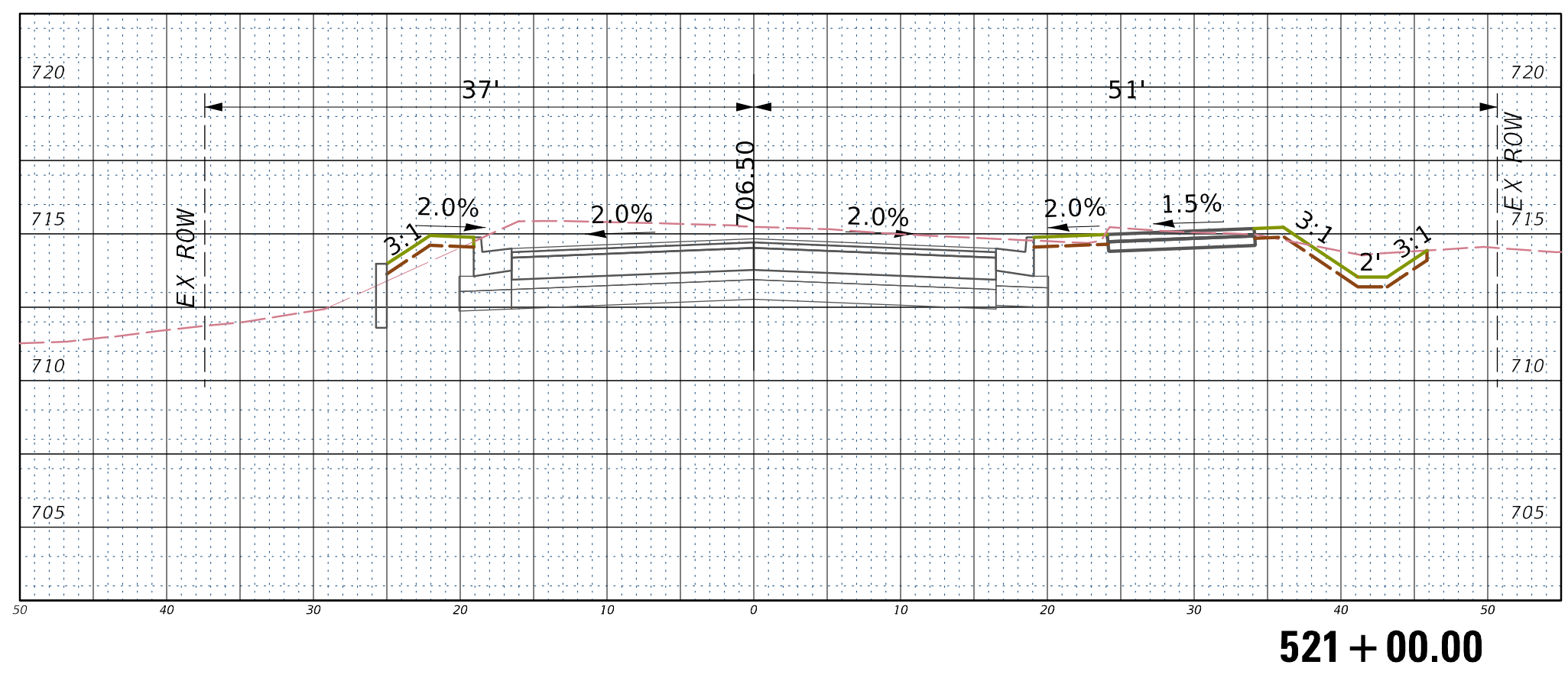
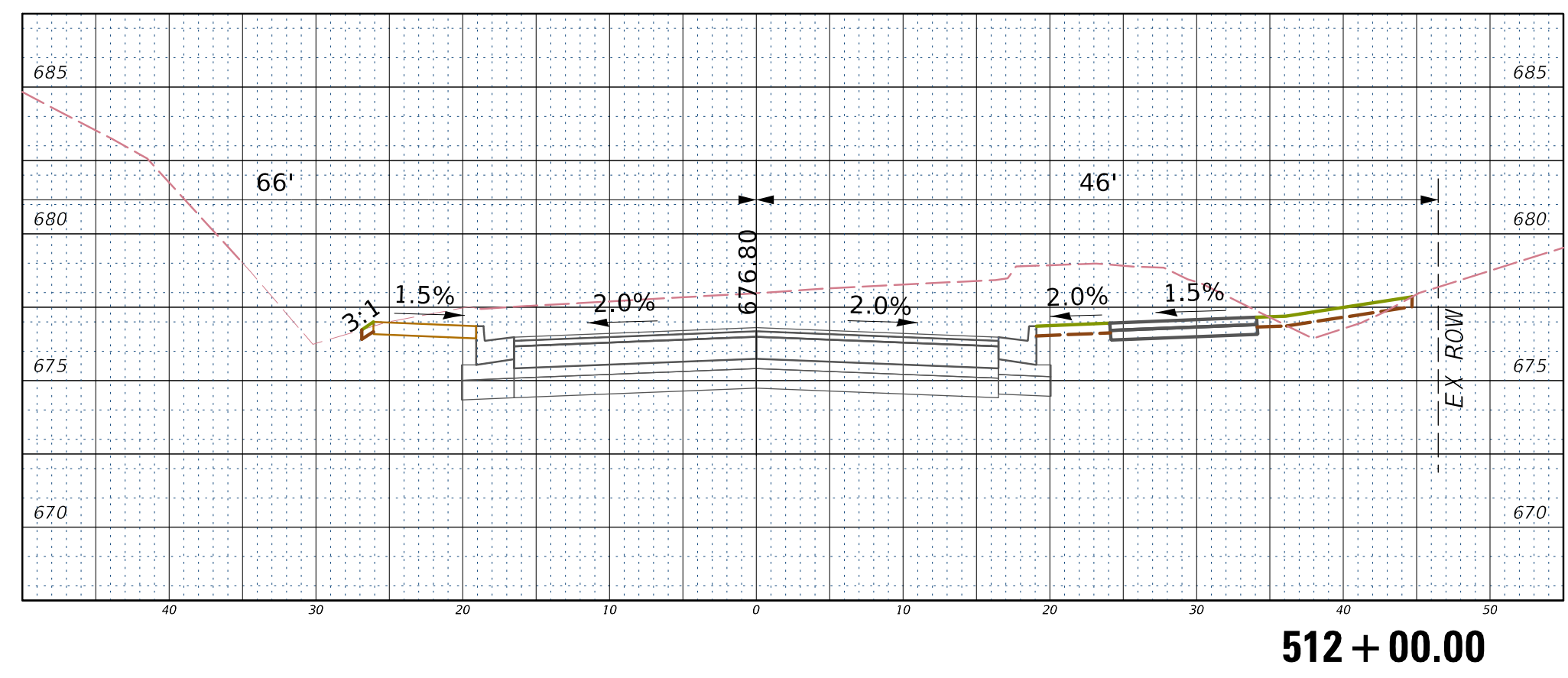
- LEGEND**
- PROPOSED SIDEWALK
  - PROPOSED SHARED-USE PATH
  - PROPOSED RETAINING WALL
  - SPECIMAN OR LARGE DIAMETER TREE
  - × TREE OR BUSH TO BE IMPACTED ALONG TIMBER TRAILS PATH
  - - - LIMIT OF IMPROVEMENT
  - - - EXISTING ROW
  - - - PROPOSED ROW
  - ||||| PROPOSED TEMPORARY EASEMENT



**PLAINFIELD ROAD CORRIDOR STUDY WITHOUT PROPOSED SIDEWALK**  
**NORTH OF PLAINFIELD ROAD BETWEEN BURR OAK DRIVE AND WOLF ROAD AND**  
**WEST OF WOLF ROAD BETWEEN PLAINFIELD ROAD AND RED OAK DRIVE**  
**ALONG TIMBER TRAILS PATH**



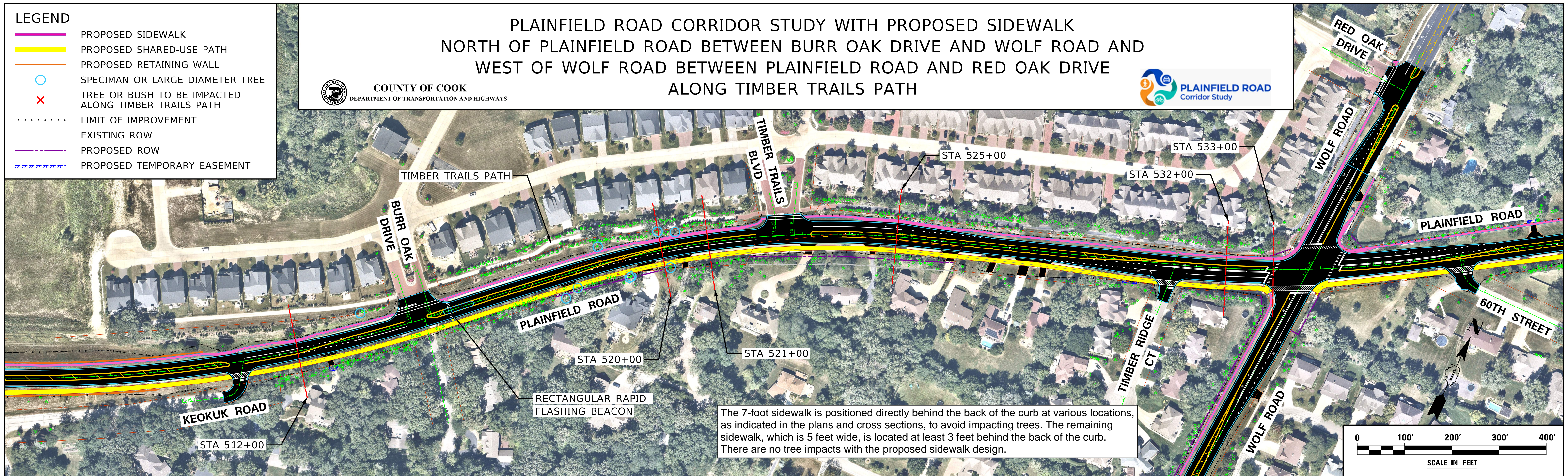
The 7-foot sidewalk is positioned directly behind the back of the curb at various locations, as indicated in the plans and cross sections, to avoid impacting trees. The remaining sidewalk, which is 5 feet wide, is located at least 3 feet behind the back of the curb. There are no tree impacts with the proposed sidewalk design.



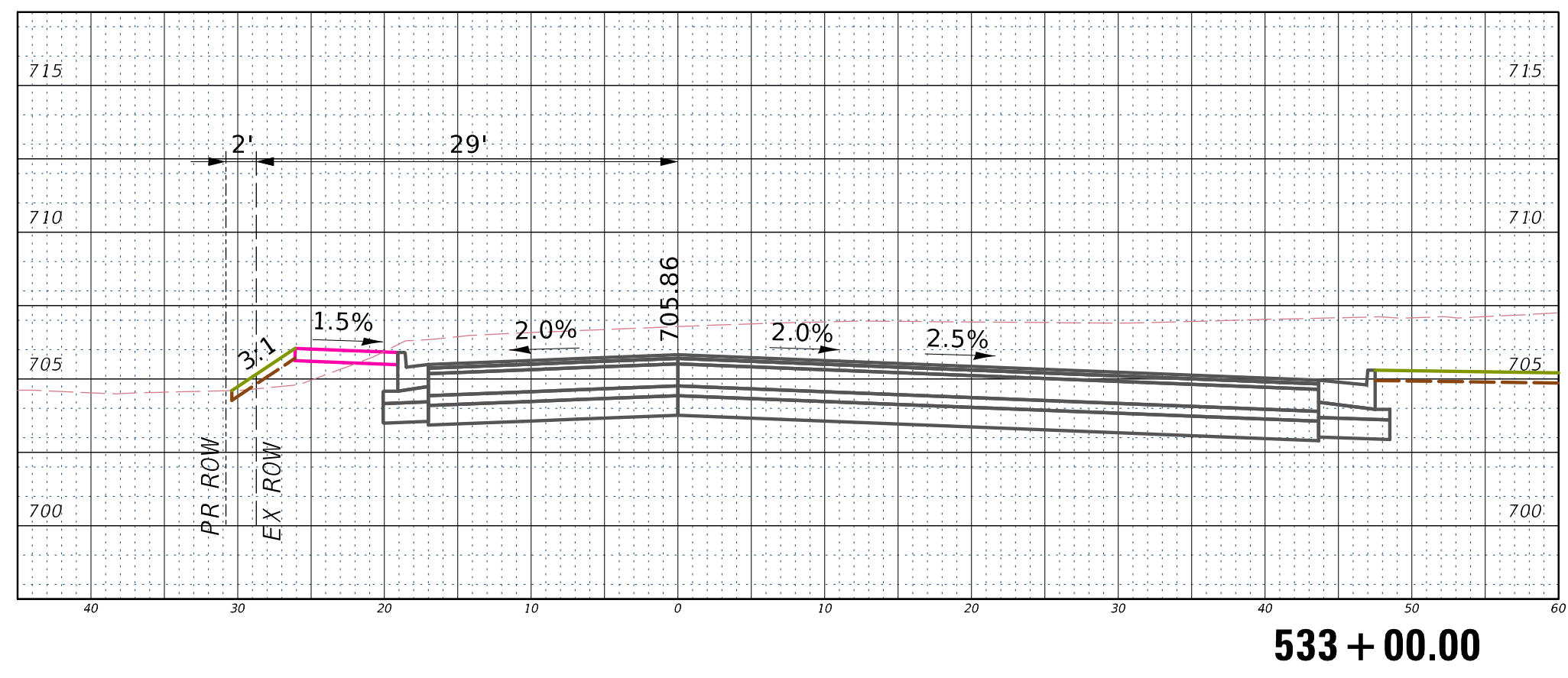
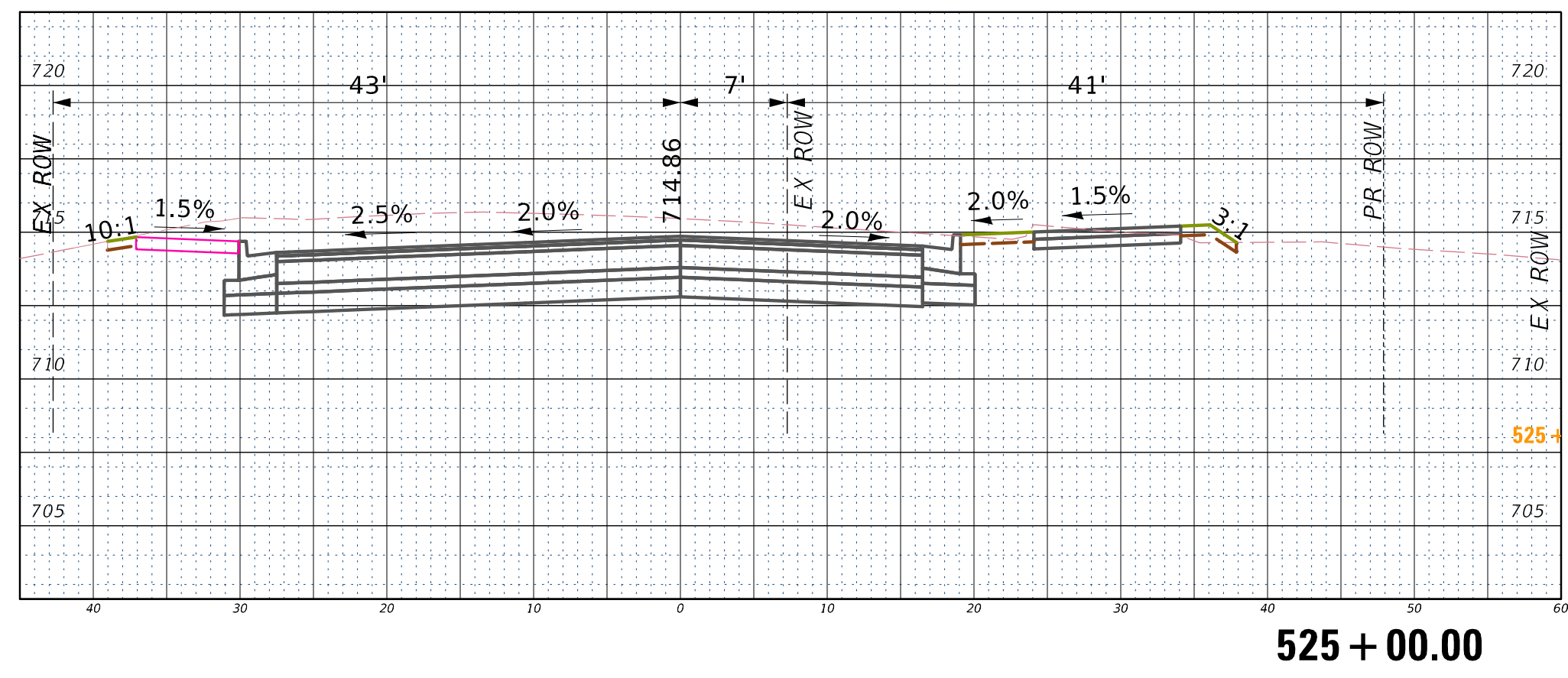
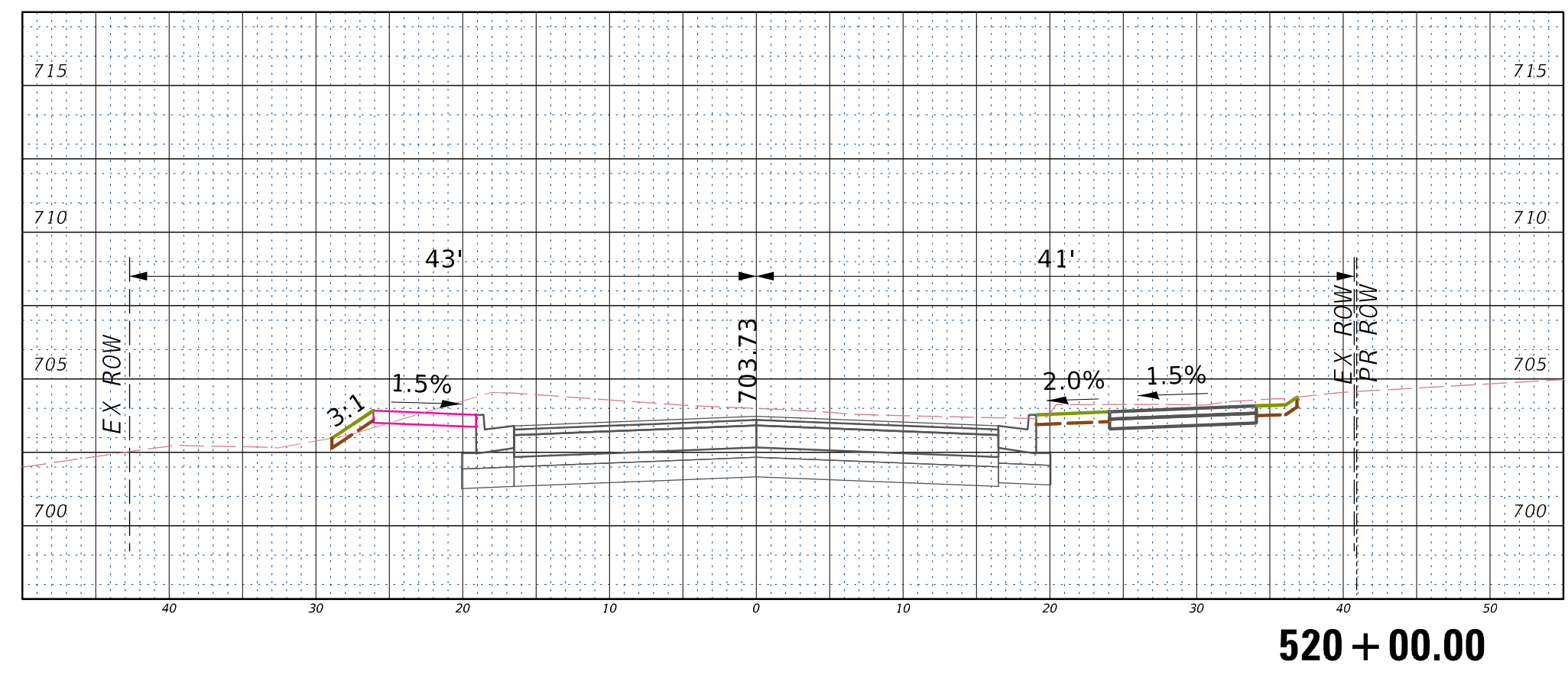
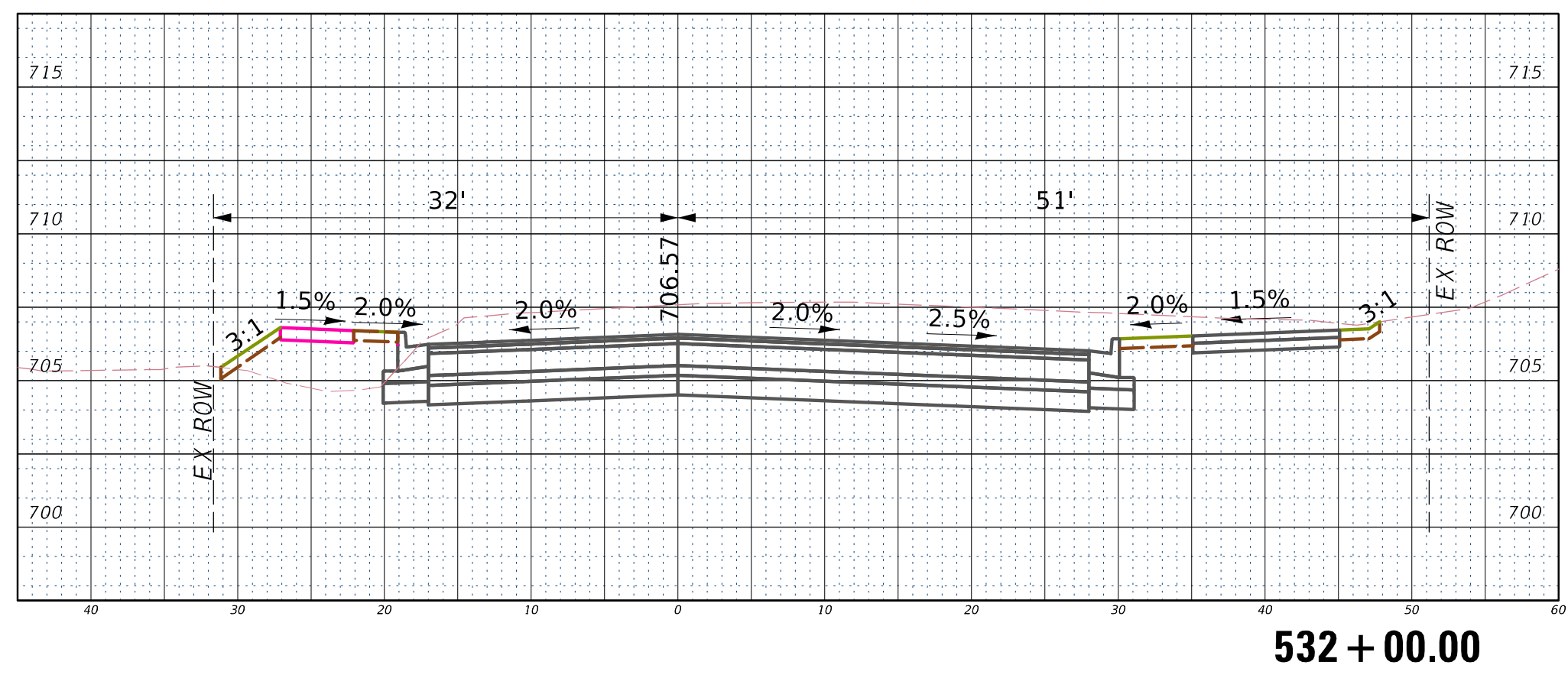
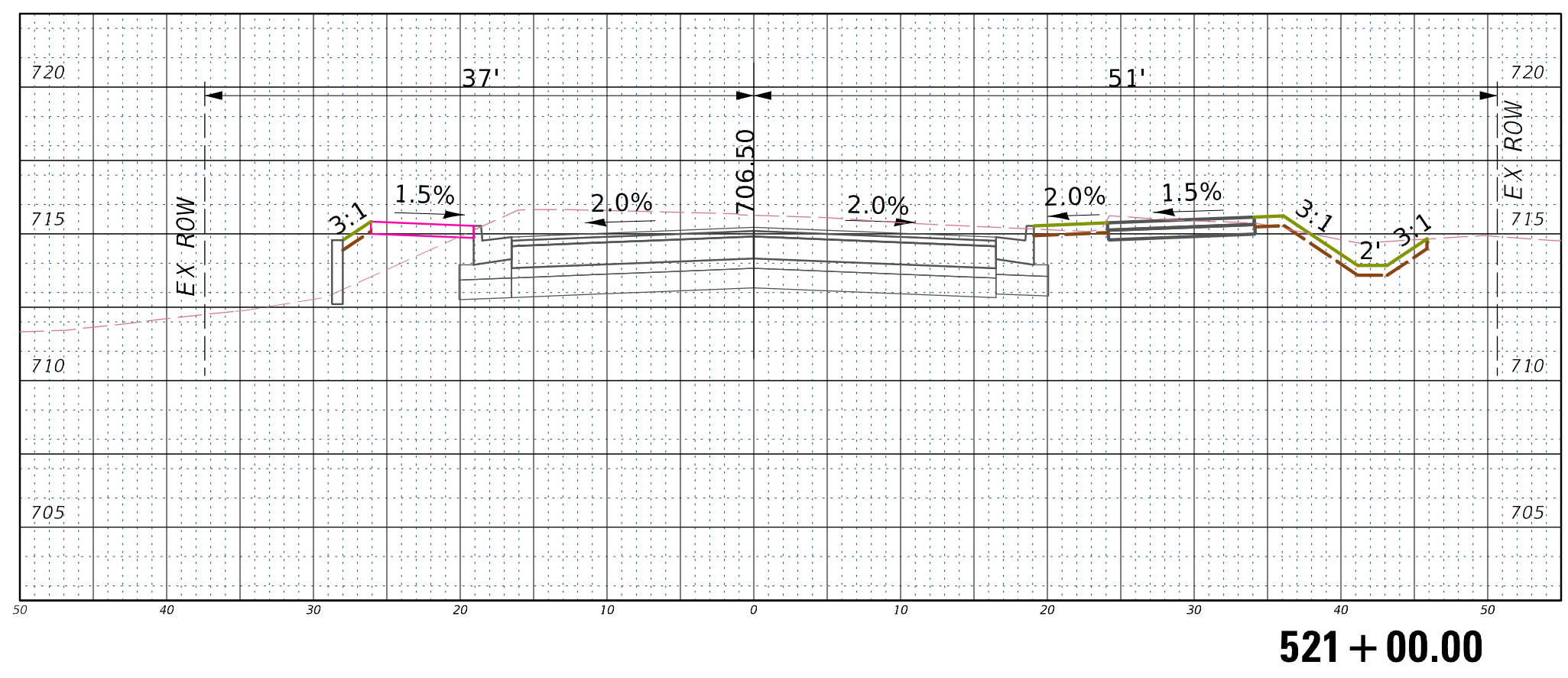
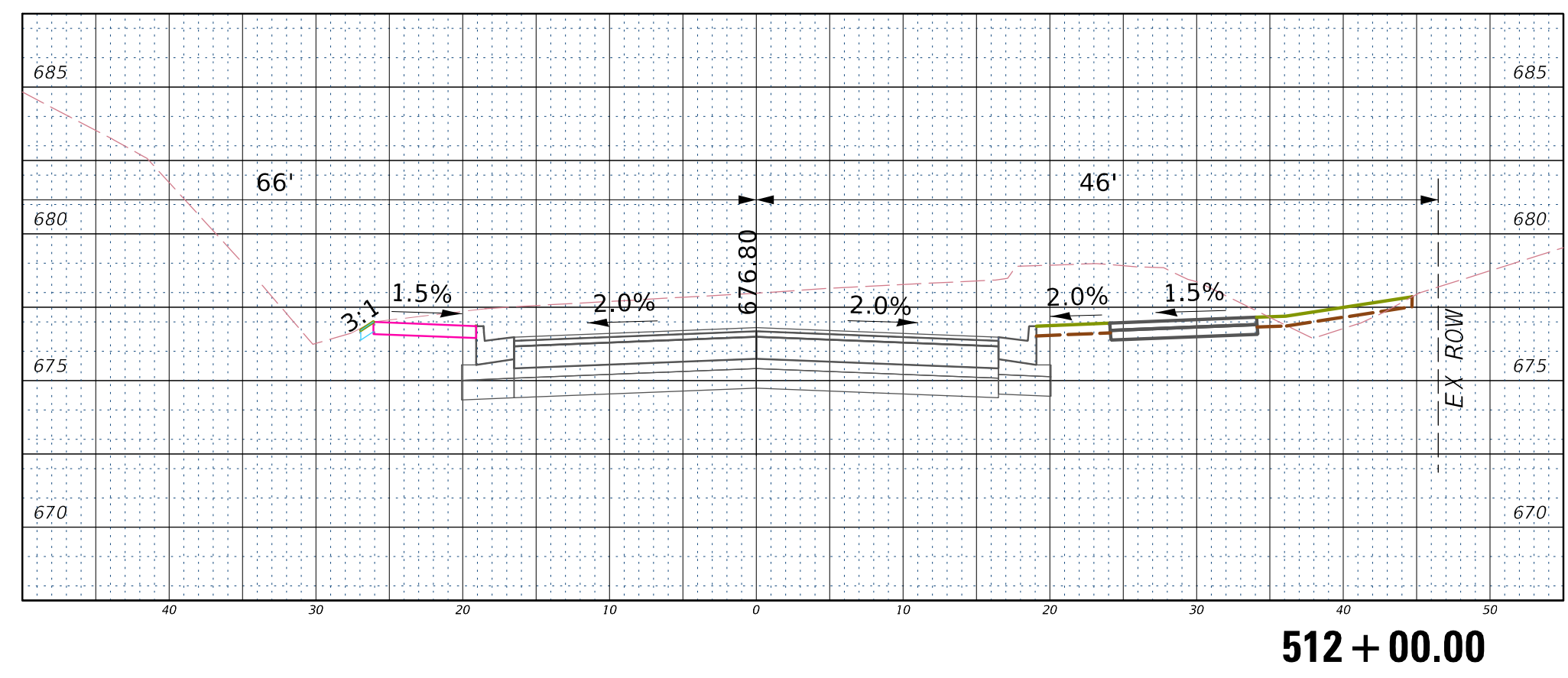
- LEGEND**
- PROPOSED SIDEWALK
  - PROPOSED SHARED-USE PATH
  - PROPOSED RETAINING WALL
  - SPECIMAN OR LARGE DIAMETER TREE
  - ✕ TREE OR BUSH TO BE IMPACTED ALONG TIMBER TRAILS PATH
  - LIMIT OF IMPROVEMENT
  - EXISTING ROW
  - PROPOSED ROW
  - PROPOSED TEMPORARY EASEMENT



**PLAINFIELD ROAD CORRIDOR STUDY WITH PROPOSED SIDEWALK  
NORTH OF PLAINFIELD ROAD BETWEEN BURR OAK DRIVE AND WOLF ROAD AND  
WEST OF WOLF ROAD BETWEEN PLAINFIELD ROAD AND RED OAK DRIVE  
ALONG TIMBER TRAILS PATH**



The 7-foot sidewalk is positioned directly behind the back of the curb at various locations, as indicated in the plans and cross sections, to avoid impacting trees. The remaining sidewalk, which is 5 feet wide, is located at least 3 feet behind the back of the curb. There are no tree impacts with the proposed sidewalk design.





## CONFERENCE REPORT

Project Name: Plainfield Road Preliminary Engineering Services  
County Line Road to East Avenue  
Client Name: Cook County Department of Transportation and Highways  
(CCDOTH)  
Conference Date: December 11, 2024 (1:30 pm)  
Conference Location: Village of Western Springs 740 Hillgrove Ave.  
Project No.: Section 16-B3719-00-EG  
By/Issue Date: RFM//January 20, 2025  
Revised:

---

The following Conference Report is assumed correct unless written notice to the contrary is received within 5 days of the issue date.

---

### **ATTENDEES:**

Ellen Baer	Village of Western Springs (Village)
Jeff Koza	Village of Western Springs (Village)
John Camillo	Timber Trails Homeowners Association (HOA)
Pat Higgins	Timber Trails Homeowners Association (HOA)
Katie VanderZanden	Timber Trails Homeowners Association (HOA)
Rob Zorowski	Advantage Consulting Engineers (ACE)
Katie Bell	Cook County Department of Transportation and Highways (CCDOTH)
Sanjay Joshi	Cook County Department of Transportation and Highways (CCDOTH)
Robert Mack	WSP USA (WSP)

---

SUBJECT: Plainfield Road Phase I Study - CCDOTH Village of Western Springs and Timber Trails Homeowners Association Proposed Sidewalk Coordination Meeting

---

### **MEETING SUMMARY:**

A meeting was held on December 11, 2024, with the Village of Western Springs and representatives of the Timber Trails Homeowners Association (HOA) to discuss CCDOTH's proposed sidewalk design alternatives adjacent to the Timber Trails Subdivision between the I-294 Tollway Bridge and Wolf Road.

The following is a summary of the meeting discussions:

1. Introductions were made
2. CCDOTH provided a brief overview of the Plainfield Road Phase I study which extends approximately 3.5 miles along Plainfield Road between County Line Road and East Avenue. The proposed improvements will include the following:

- Three 11- foot lanes including a center bi-directional turn-lane
  - Curb and gutter with an enclosed drainage system
  - Improvements at signalized intersections (no new traffic signals proposed)
  - Bicycle and pedestrian facilities including an 8-10 feet wide asphalt multi-use path along the south side and a 5-7-foot-wide concrete sidewalk along the north side of Plainfield Road.
3. CCDOTH explained that the locations of the proposed north sidewalk and the south multi-use path are consistent with the sidewalk and multi-use path recently built on the newly constructed Plainfield Road bridge over the I-294 Tollway.
  4. WSP presented two exhibits showing the two sidewalk alternatives being considered along Plainfield Road between the I-294 Tollway and Wolf Road.
    - The first alternative includes a new sidewalk along the north side of Plainfield Road within the County's right-of-way. This design includes a concrete sidewalk in the north parkway which varies in width between 5 and 7 feet noting that the 7-foot-wide sidewalk width is required at locations where the sidewalk is placed immediately behind the back of curb. This is being proposed in some locations to avoid tree impacts.
    - The second alternative includes a new sidewalk along the north side of Plainfield Road within the County's right-of-way between the I-294 Tollway and Burr Oak Drive. At Burr Oak Drive, the sidewalk would then tie in with the existing internal path system within the Timber Trails subdivision.
  5. CCDOTH explained that the second alternative was developed based on a request from the Village of Indian Head Park. In recent coordination meetings with the County, the Village of Indian Head Park noted that many residents already utilize the Timber Trails internal path system today and they felt a parallel sidewalk within the County's right-of-way was redundant/not needed. WSP also noted an added benefit of not building a second parallel sidewalk is less stormwater runoff. CCDOTH has informed the Village of Indian Head Park that this modification would require concurrence from the Village of Western Springs and the HOA as there would need to be a commitment for future maintenance. CCDOTH does not currently maintain any sidewalks or bike paths located within County right-of-way and typically requests that a municipality or other local entity assume those long-term maintenance responsibilities.
  6. The Village noted they believe the first alternative would be less aesthetically pleasing than the second alternative which is why they were open to considering/discussing the second alternative with the County and the HOA.
  7. The Village stated that it owns the land along the Timber Trails internal path system which is platted as an out lot. The Village indicated that it has not yet signed off and accepted the maintenance of any public infrastructure in the development including the path system which is still being maintained by the Developer. At this stage, it is assumed that the HOA will be responsible for path maintenance after this sign off occurs.

8. The HOA stated that the nearly 10-year-old asphalt Timber Trails path is in poor condition and has not been constructed nor maintained properly by the Developer. They asked if the County would consider replacing this asphalt path with a new concrete sidewalk if it were to be connected to and utilized as part of the sidewalk system along Plainfield Road. CCDOTH confirmed they would be amenable to this request, contingent on the HOA accepting long-term maintenance responsibilities for the new sidewalk. CCDOTH noted they would likely recommend a 5-foot concrete sidewalk be installed to be consistent with what is being proposed throughout the rest of the north side of the corridor.
9. The HOA stated that providing a sidewalk connection at Burr Oak Drive will likely increase the usage of the Timber Trails sidewalk and would add more risk exposure and liability to the HOA. They inquired if the Village and/or County would be willing to assist with long-term maintenance needs/costs. CCDOTH stated that given the unique situation they would be amenable to developing a three-party agreement among the Village, County and HOA to establish the terms for the construction and maintenance of the sidewalk located within the Timber Trails subdivision. CCDOTH would be amenable to providing some financial assistance to the HOA when major repair or reconstruction work is needed. The Village noted that they would need to coordinate this issue further with their staff as well as the Developer prior to making any commitments.
10. The HOA noted some residents may be concerned with the increased public usage of the sidewalk near their homes. They introduced the possibility of moving their existing wrought iron fence to the opposite (north) side of the Timber Trails sidewalk to help alleviate these concerns. However, after some discussion it was concluded that moving the fence would likely not be accepted by most of the HOA residents as this would limit their open access and use of the sidewalk.
11. The HOA inquired about who would maintain the proposed sidewalk between the I-294 Tollway and Burr Oak Drive under the second alternative. CCDOTH responded they have requested the Village maintain this segment of sidewalk and they are considering the request.
12. The HOA also inquired about who would maintain the proposed multi-use path on the south side of Plainfield Road across from the Timber Trails subdivision and CCDOTH confirmed the Village of Indian Head Park has agreed to maintain it since it is located within their municipal boundary.
13. CCDOTH pointed out that as part of both alternatives they are also proposing to install a crosswalk and a Rapid Rectangular Flashing Beacon (RRFB) with a pedestrian refuge island at Burr Oak Drive which would provide safe pedestrian access to the Timber Trails sidewalk from the south. CCDOTH noted this pedestrian crossing was requested during the first public meeting held in 2021 as it was stated that it is currently a popular location for people to cross Plainfield Road and utilize the Timber Trails path system. The HOA agreed that people frequently cross Plainfield Road at this location today but expressed safety concerns with placing an RRFB at this midblock crossing given the high speeds and the “hilly” profile of Plainfield Road at this location. The HOA asked if a traffic signal could be provided instead of the RRFB at this location.

CCDOTH responded that the vehicular and pedestrian usage at the intersection is not high enough to warrant a traffic signal.

14. CCDOTH further noted that if a marked crossing is provided at the Burr Oak Drive intersection, an RRFB with pedestrian refuge island would be required. This RRFB would need to be maintained by either or both Western Springs and Indian Head Park. Alternatively, if the RRFB is not constructed, residents wishing to cross Plainfield Road could utilize the new multi-use path along the south side of the roadway or the sidewalk along the north side to cross at the Wolf Road traffic signal, located approximately ¼ mile to the east, or the proposed crossing with RRFB at Garywood / Manor Drive, west of the Tollway bridge.
15. The HOA stated that its existing gateway entrance monument and Potawatomi stone at the northwest corner of Plainfield Road and Wolf Road is considered a sensitive resource that would need to be protected as part of the project. CCDOTH stated that the project will not impact this monument.
16. The HOA asked if the County would consider burying the existing overhead ComEd electric lines along Plainfield Road. CCDOTH stated that ComEd would be responsible for relocating their utilities to accommodate the Plainfield Road improvements as needed and CCDOTH will not dictate how/where they should relocate. If the Village were to request that ComEd to bury the existing aerial utility lines in this location, the cost of this relocation would be borne by the Village. WSP added that there are other aerial utilities, including Comcast and AT&T, in addition to ComEd that may be present on these poles, and these companies would also need to be coordinated with and included with any underground utility relocation plans being considered by the Village.
17. CCDOTH noted that construction of this project would not occur for another 5-10 years from now. However, CCDOTH stated that they are planning to host a public meeting for this project in the spring/summer of 2025 and they would like a decision from the Village and HOA concerning the sidewalk design and maintenance prior to that meeting in order to facilitate public input on the proposed sidewalk location. *Post Meeting Note: CCDOTH would also like a decision from the Village(s) regarding their acceptance of future maintenance of an RRFB at Burr Oak Drive.*
18. The Village reiterated that there are still issues to be resolved with the Developer and they are unsure on the schedule to turn over the property. They will need more time to meet with staff and the Developer, present these sidewalk alternatives and discuss the various sidewalk related issues before any decision could be provided. The Village agreed to follow up with the County following this coordination in early 2025.
19. The meeting adjourned at 3:30 pm.



## AGENDA ITEM SUMMARY INFRASTRUCTURE COMMISSION

Infrastructure Commission : February 20, 2025

### AGENDA ITEM F.1.

**To:** Infrastructure Commission

**From:** Ronald Derengowski, Water Plant Superintendent

**CC:** Ellen Baer, Village Manager, Matthew Supert, Director of Municipal Services

**RE:** Water System Update

---

### Recommendation

#### Summary

#### Water Main Replacement on 53<sup>rd</sup> Street between Fair Elms Avenue and Commonwealth Avenue

Municipal Services has discovered a need for water main repair and replacement that is located beneath the creek on 53rd Street between Fair Elms Avenue and Commonwealth Avenue. This 8" water main is estimated to date back in the 1960's. Municipal Services is recommending a replacement and installation of a new 8" water main, two fire hydrants, and two new valve installations (one on Commonwealth Avenue and the other on Fair Elms Avenue). The Village has consulted with V3 with recommendations and design for this. Unfortunately, this project was not anticipated or initially budgeted for the 2025 fiscal year. Final design and cost estimates are anticipated to be completed by the end of the month, with the request for bids posting in March. There have been two projects in the past like this; new water main replacement under the creek at 48<sup>th</sup> Street and new water main replacement under the creek at 51<sup>st</sup> Street. This repair and replacement is necessary to provide the best water quality and pressure to the Commonwealth and Forest Hills subdivisions. Based on conversations, initial estimates for repairs will total between \$200,000.00 and \$250,000.00. Municipal Services is hoping that certain projects anticipated for the year end up at a lower cost to aid in this necessary repair, or certain projects may need to be delayed and allocated for the 2026 budget. Attached you will find the initial design for the repair. This is not final as village recommendations have been submitted and are being incorporated into the specifications. Once the design and cost estimates are finalized, Municipal Services will bring the project to the Public Works and Water Committee for approval to begin the bid process.

#### Water Plant Pipe Lining

Back in December 2024, H.R. Stewert performed televising of the existing water main in the courtyard of the water treatment plant, which would provide the water from Well 5 to enter the water plant and to be treated by the reverse osmosis membrane system. Current operations only allow Well 5 drawn water to be pumped to our reservoir. This main is approximately 100' in length

and will require a replacement of a fitting that had some tubercles and scale and a section of pipe that was discovered to have a small gap at the joint. Baxter and Woodman will analyze the reports and provide recommendations for repairing and preserving the pipe. The Water Plant has budgeted \$50,000.00 for the pipelining.

**Water Model Study**

Western Springs has just received the first draft of the water model study that was performed by H.R. Green. Village staff will review the data and report over the next few weeks. Several aspects that were highlighted from the study include:

- 1. Southeast side of the water system experiences lower pressures due to land elevation and the larger distance hydraulically from the water treatment plant and existing storage tanks.
- 2. Water capacity meets the recommended capacity and recommended storage capacity per the Ten States Standards.
- 3. 46% of the Village’s water main is over 88 years old.
- 4. Fire Flow protection is compliant with ISO and RSWW standards.

After further review, the complete water system analysis report will be shared with the Board.

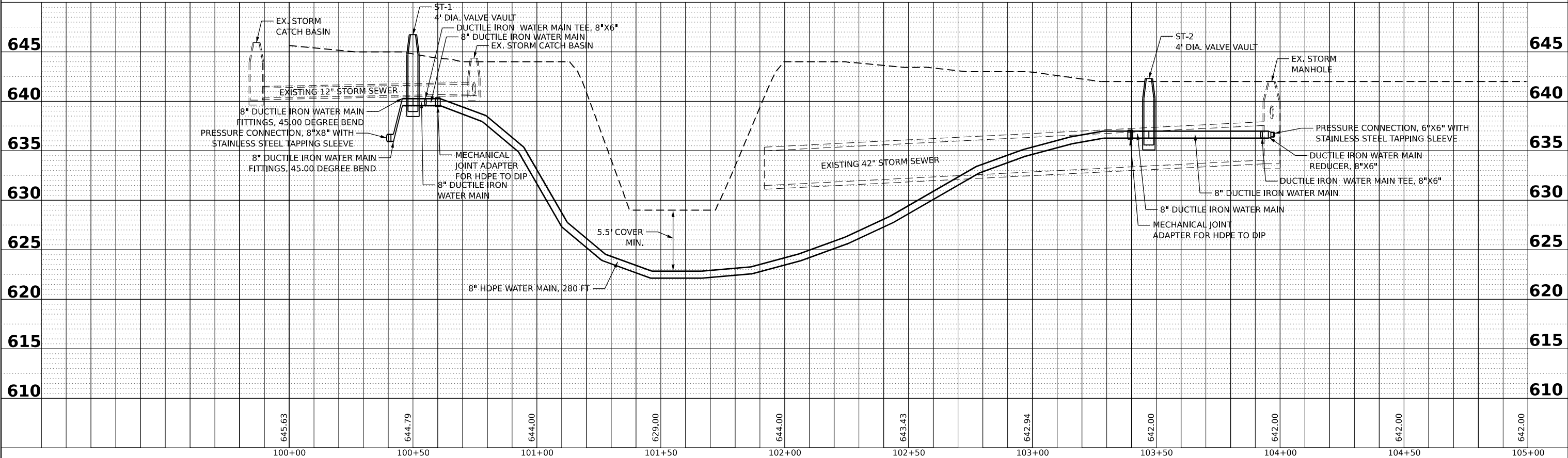
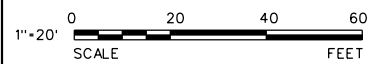
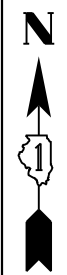
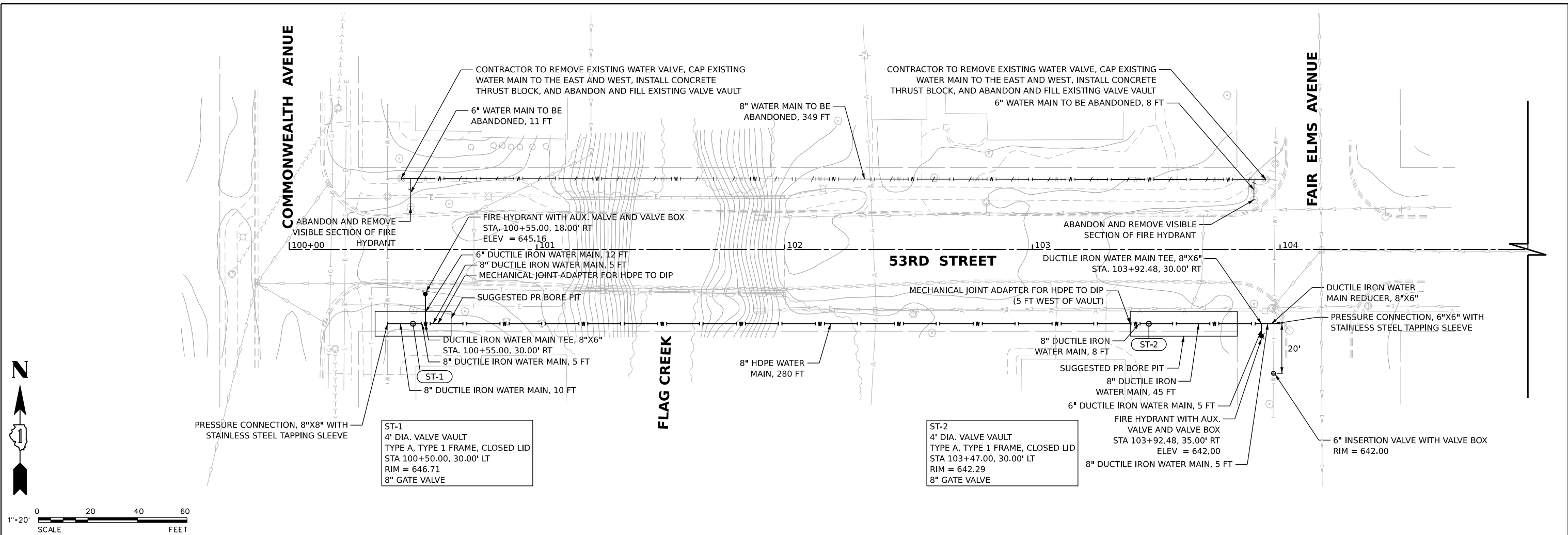
**Financial Impact**

**Recommended Motion**

**Strategic Plan Alignment**

**File Attachments**

- 1. 53rd Street Water Main Replacement



MODEL: Default  
 FILE NAME: N:\2024\241340\Drawings\Main\CAD\Drawings\Main\CADD\_Sheets\1241340-sha-PP01.dgn

V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = cdonahue	DESIGNED -	REVISED -	REVISED -
	DRAWN -	REVISED -	REVISED -
PLOT SCALE = 40,000''/in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -	REVISED -

**53RD STREET WATERMAIN REPAIR**  
 WESTERN SPRINGS ILLINOIS

**PROPOSED IMPROVEMENT PLAN AND PROFILE**  
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 100+00.00 TO STA. 105+00.00

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	\$TOT	\$PPP1
PROJECT NO. 241340		