

AGENDA FOR THE REGULAR MEETING OF THE
PUBLIC WORKS COMMITTEE OF THE
VILLAGE OF CAMPTON HILLS

April 5, 2023, 6:30 p.m.

Campton Hills Village Hall, 40W270 LaFox Rd. Suite B
Campton Hills, IL. 60175

1. Call to Order
2. Roll Call
3. Approval of the minutes of the regular meeting of January 4, 2023
4. Reports
Village Engineer
 - a. Anderson Road – construction completion
 - b. Roadway Classification Requests – approvals received
 - c. FY 24/24 MFT (Priority A / B / C) Roadway Project
 1. Bid status update
 2. Construction Engineering Services
 - d. Campton Hills Road – Segment A: Anderson Road to Town Hall Road update
 - e. 2023/2024 MFT / ADAP Street Program update
 - f. KKCOM Grant Application – next call for applications update
 - g. Five-Year Capital Improvement Program / Roadbotics Analysis Update
 - h. Pavement Preservation Update – 2023 Program
 - i. Grants /Funding Opportunities Update (New Section)

Campton Township Highway District
Resurfacing Bid Contract Status

Village Administrator

5. Discussion Items: Funding Discussion
7. New Business:
8. Reminder of next meeting(s): July 5, 2023
9. Adjournment

Mission Statement

Entrusted by its citizens, the Village of Campton Hills is dedicated to delivering municipal services in the most responsive, cost effective and efficient/proficient manner. Campton Hills is committed to upholding high quality of life standards by supporting its school districts, maintaining family values and agriculture traditions, preserving natural resources, encouraging environmental stewardship, supporting passive and active recreational opportunities, honoring rural heritage and generating a strong business foundation for present and future residents and visitors.

Vision Statement

Residents of the Village of Campton Hills wish to maintain the semi-rural quality of their environment and its associated lifestyle. They wish to control their own destiny, act so that property values increase over time at a greater rate than market averages and ensure the continued excellence of the schools that educate their children.

The Village of Campton Hills will be an aesthetically appealing, fiscally viable, family-oriented community striving to provide excellent educational, social, recreational, and cultural opportunities. The Village will foster a strong residential and business community, with concern for ecological stewardship while cooperating with other governmental bodies and agencies. Campton Hills will also work with area school districts to provide an exceptional education for their children. Campton Hills will strive to be an inviting and safe community that provides for the quality of life needs of its residents while preserving its character and heritage.

Note:

The Village of Campton Hills, in compliance with the Americans with Disabilities Act (ADA), requests that persons with disabilities requiring accommodations to allow observance of and/or participation in this meeting or having questions about the accessibility of the meeting facilities contact the Village Administrator (the Village's ADA Coordinator) at (630) 524-6252, at least 24 hours in advance of the meeting date.

**MINUTES FOR THE MEETING OF THE
PUBLIC WORKS COMMITTEE
OF THE VILLAGE OF CAMPTON HILLS
January 4, 2023**

- I. Call to Order - Chairman Boveri called the Public Works Committee Meeting to order at 6:30 p.m.
- II. **ROLL CALL** – Present: John Boveri, Jake Thorsen, Rich Schult, Kim Muhr, Andro Lerario. Also, in attendance: Scott Marquardt (HR Green Village Engineer), Denise Burchard (Village Administrator), Ray Weber (Campton Township Highway District), Mike Millette, Mike Tyrrell
- III. Member Lerario motioned, seconded by Member Schult, to approve the minutes of the October 5, 2022 meeting. All Ayes, motion approved.
- IV. Reports – Village Engineer
 - a. Anderson Road resurfacing has been completed.
 - b. Roadway classification request: The Village has received official IDOT correspondence that Denker Road, Brown Road and Town Hall Road have been approved and are classified as minor collector roadways. Fox Mill Boulevard was removed from the request. These roads are now eligible for federal funding, and the next call for funding through KKCOM is January of 2024.
 - c. KKCOM Grant Application: The Village approved the design engineering for Campton Hills Road from Anderson Road to Town Hall Road.
 - d. Pavement Cores: The Village Engineer brought in core samples and showed the committee the state of the core samples from Campton Hills Road, which were in various stages of disrepair. This is for spring of '24 construction and we would be improving 1.6 miles of street using full depth reclamation. Using the grant, we are paying 25% of the cost and getting a much better road. Looking at the Village paying \$350,000 to \$400,000 for the project. The Village is paying 63% of the road and Township is 37%. The condition of Campton Hills Road was worse than Anderson Road. Will most likely do Full Depth Reclamation on the road which will hold up for many years.
 - e. Rebuild Illinois Bond Fund – The funds have been delegated to go to the A,B, C roads that were chosen in 2023. The Village Engineer is hesitant that we can use these funds for a 2” overlay.
 - f. FY 2022-23 Resurfacing Program – The Village has Priority A, B, C ready to go to bid this winter for early completion this spring.
 - g. FY 2023-24 MFT Program – The Village Engineer presented ADAP streets that need to be resurfaced. The Village would like to have the engineering completed for these other streets so we can move on bidding for these additional streets prior to the summer. If we are unable to bid early we can push these streets to the next fiscal year, for early spring 2024 bidding. Recommended to go with 4.6 total miles with engineering. Get all the engineering done for the orange highlighted roads. Once we have engineering, we will know the costs for each area and we can prioritize which roads can be done. The committee directed the Village Engineer to come back with an engineering contract for all of the highlighted roads on the map.
 - h. Five-year capital improvement program – we will be looking at conducting a new Roadbotics analysis and preparing an updated Five Year Capital Improvement program in fall 2023.
 - i. Pavement preservation update: The Village Engineer will provide the Village Administrator with proposals for pavement preservation. Propose to rejuvenate six miles of roads that are 3 -5 years old.
 - j. Grants Update: there are many grants that don't apply to the Village, but we will continue to document the staff checking into available grants.
 - k. Kane County Bike-Pedestrian Plan Update – President Tyrrell suggested that we look into turning over the bike paths in Fox Mill (for clarification, these are not Village owned but are HOA owned.

They should be part of the County Forest Preserve. Beith Road possibility to provide a bike path because it is very unsafe. Signage improvements along the Great Western Trail. Do we want signs that point to local businesses? When you enter Campton Hills, a sign would be nice.

V. No New Business

VI. A motion was made to adjourn the meeting by Kim Muhr, seconded by Rich Schult. All ayes.

VII. The meeting was adjourned at 8:41 p.m.

Submitted by: Denise Burchard, Village Administrator



To: Public Works Committee
Village of Campton Hills, Illinois

From: Scott Marquardt, PE
HR Green, Inc. – Village Engineer

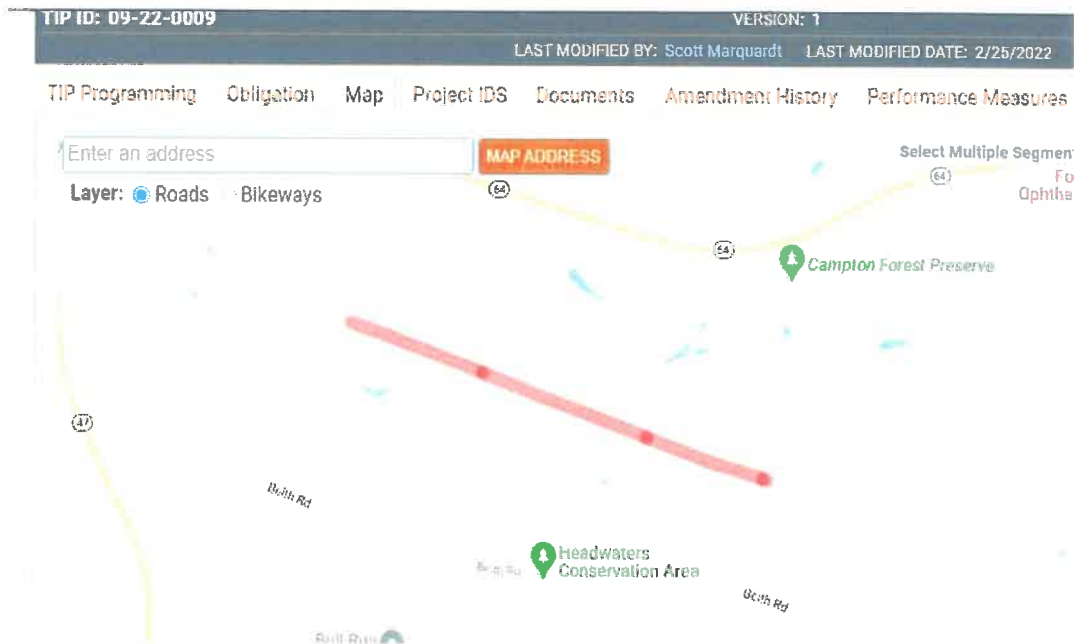
Subject: April 5, 2023 Public Works Committee Meeting
Various items Summary Memo

Date: March 30, 2023

This supporting information is being provided for the following agenda items:

- 4.a Anderson Road
- Construction was completed fall 2022.
 - Partial payment of an estimated 80% of construction cost was received and paid in early 2023.
 - Overall project cost share is 82% Campton Township Highway District and 18% Village of Campton Hills based on jurisdictional limits.
 - The final balancing payment and invoice will not be received likely until 2024 or later, depending upon when IDOT submits this invoice for reimbursement. The Village will allocate the necessary funds for this final payment in future year budgets.
 - As this project has been completed, this project will be removed from future agendas.
- 4.b Roadway Functional Classification Change Requests – Approvals Received
- We have received written approval from the FHWA and IDOT that the reclassifications to minor collector roadways have been approved for the following three roadways.
 - Denker Road – Bolcum Road to Silver Glen Road
 - Brown Road – ILL RT 64 to Old Lafox Road
 - Town Hall Road – Campton Hills Road to ILL RT 64
 - The Village previously withdrew the request for Fox Mill Boulevard reclassification
 - This task has been completed and will be removed from future agendas.
- 4.c FY 2023-2024 (Previously 2022-2023) MFT Resurfacing Project
- This project included Priority A, Priority B and Priority C roadways that were deferred from 2022.
 - This project is projected to utilize the Rebuild Illinois Funds in addition to Village MFT funds.
 - Pavement design calculations show a greater thickness of bituminous materials are necessary in order to meet the requirements for use of Rebuild Illinois funds, increasing the estimated project cost per mile of roadway where those funds will be used.
 - Bids for this project are scheduled to be opened on Monday, April 3rd
 - Following review of the bids, additional information will be provided at the Public Works Committee meeting.
 - The project bid award is tentatively scheduled for the April 18th Village Board meeting
 - A proposal for construction engineering services will also be discussed at the April 18th Village Board meeting

- 4.d Campton Hills Road – Segment A – Anderson Road to Town Hall Road
- The Village has received \$750,000 in grant funding for 75% of the estimated construction cost for the full depth reclamation / resurfacing for this roadway.
 - On December 20, 2022 the Village approved a Phase I / Phase II engineering contract for this project, and this design work is currently underway.
 - We are currently targeting a March 2024 bid opening through IDOT, for construction during 2024.



- 4.e 2024 MFT / ADAP Priority Streets
- In conjunction with the Campton Township Highway District, a list and **exhibit are attached** of priority streets showing Advanced Deterioration and Additional Paving (ADAP) needs for discussion.
 - On February 7, 2023 the Village approved a contract for design engineering services for this project, and design work and field measurements are underway.
 - This project should be ready for bidding in early summer 2023, subject to availability of funding following the bid opening earlier this week of the Priority A / B / C project.
 - A decision will be made at that time by the Village whether to bid this project for construction in fall 2023 or defer to a winter bid opening for early 2024 construction, subject to funding availability and the bidding environment.
- 4.f KCOM Grant Applications for STP / Asset Management Funding
- The next call for project grant applications will occur late fall 2023, and we recommend submitting grant applications for the following eligible roadways:
 - Town Hall Road – Campton Hills Road to RT 64
 - Brown Road – RT 64 to Old LaFox Road
 - Denker Road – Bolcum Road to Silver Glen Road
 - Campton Hills Road – Town Hall Road to LaFox Road (*application resubmittal*)
 - The Village should plan to approve a work order in summer 2023 for preparing these grant applications, so that work can begin without delay when the official project call is announced.

4.g Five-Year Capital Improvement Program (CIP) / Roadbotics Analysis Update

- The following is information regarding the Village of Campton Hills Roadway Ratings and is a high-level look at roadway percentages within each Roadbotics condition rating range.
- 2019 FIGURES (see table next page)
 - These are the original 2019 Roadbotics roadway ratings.
- ASSUMPTIONS USED FOR UPDATES FROM 2019 thru CURRENT
 - The following updates and assumptions were used for the 2022, 2023 (A, B, C), and 2023 (A, B, C + ADAP) system ratings.
 - An assumed 3% straightline deterioration rate was used for each year of deterioration annually since the 2019 rating.
 - 3% of rating range (1.00-best) to (5.00-worst) = $4 \times .03 = 0.12$ points deterioration per year
 - For example, if no roadway improvements were made after the Roadbotics ratings were completed in 2019, the overall roadway system would have deteriorated to the following estimated rating:
 - 2020 – 3.40
 - 2021 – 3.52
 - 2022 – 3.64
 - All roadway segments in the overall system that are not improved in a specific construction year will continue to deteriorate at this estimated rate each year
 - A new rating of 1.00 was assigned for roadway segments in their year of improvement for federally funded / full depth reclamation projects due to their more comprehensive level of improvement.
 - A new rating of 1.125 was assigned for roadway segments in their year of improvement for Rebuild Illinois-funded projects.
 - A new rating of 1.25 was assigned for roadway segments in their year of improvement for roadways improved with minimal level binder and surface improvements due to lesser extent of pavement structure improvement.
 - For all newly paved roadways, the 0.12 annual rate of deterioration then began again the year after paving was performed.
 - The rating for rejuvenated roadways was frozen for the year following treatment, before then continuing the deterioration curve at 3% per year in all subsequent years
- 2022 FIGURES
 - These include all work completed from 2019 thru 2022, including:
 - The 2020 Bolcum Road Improvements
 - The 2021 MFT Roadway Program
 - The 2022 Anderson Road Improvements
 - The 2022 Rejuvenation Program
- 2023 (A, B, and C)
 - This includes all work described above; plus,
 - This would be the estimated system rating at the end of 2023 if the A, B, C roadways are all improved in 2023.
- 2023 (A, B, C and ADAP)
 - This includes all work described above; plus,
 - This would be the estimated system rating at the end of 2023 if all of the ADAP roadways were also improved in 2023.

		2019	2022	2023 (with A, B, C only)	2023 (With A, B, C, and ADAP)
COLOR	RANKING RANGE				
RED (Worst)	5.00<4.50	5.2%	14.3%	15.4%	12.0%
ORANGE	4.49<3.50	46.2%	45.1%	41.8%	39.1%
YELLOW	3.49<2.50	29.6%	19.7%	17.3%	17.0%
LIGHT GREEN	2.49<1.50	10.1%	10.3%	10.0%	10.0%
GREEN (Best)	1.49<1.00	8.8%	10.5%	15.4%	21.7%
AVERAGE SYSTEM RANKING (2022 and beyond are estimated)		3.28	3.47	3.38	3.18

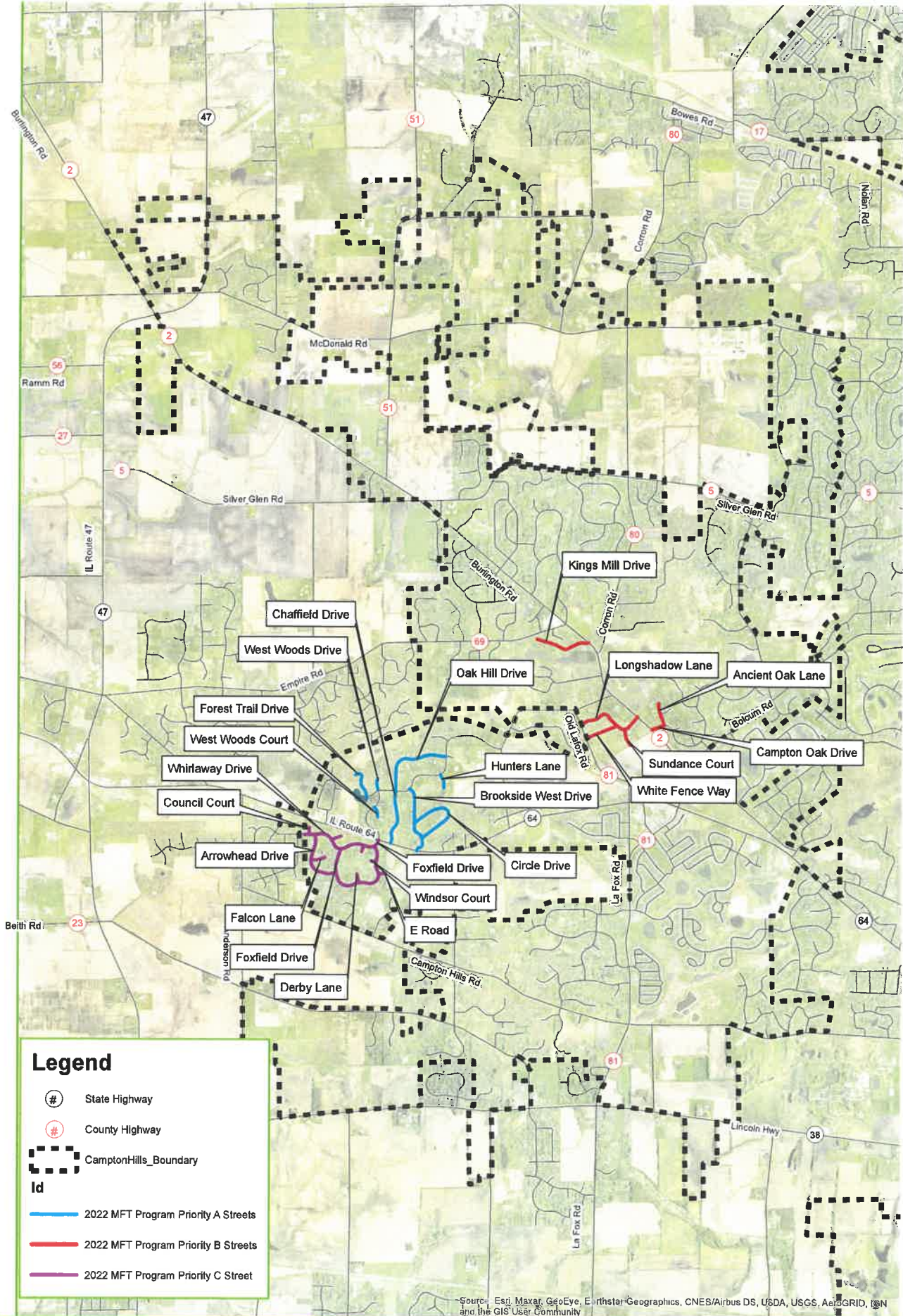
- KEY SUMMARY POINTS
- There has been a considerable increase in the percentage of roadways in the Green (best condition) category.
- There also continues to be an increase in the Red (worst condition) category as even more roadways continue to deteriorate from Orange to Red
- This continues to occur because every road segment ranked between 4.38 and 4.49 (Orange) in a given year will have been estimated to deteriorate to 4.50 or greater (Red) the following year.
- Even with the recently increased levels of funding for roadway improvements and increased mileage of improvements each year, the Village is barely holding even on the overall roadway ranking system.
- Therefore, long-term increased funding levels are key to continuing to hold this figure steady or to begin to improve.
- All data more current than 2019 has been extrapolated from the 2019 rankings and is estimated.
- A second Roadbotics field analysis (*the first was performed in 2019*) and update to the Five-Year Capital Improvement Program is planned for fall 2023. This will provide a timely overall system condition update and validation/confirmation of the assumptions used.
- As was done in 2019, we recommend the Village enter into an agreement directly with Roadbotics for these services, and then enter into a separate agreement with HR Green for analysis of these results and preparation of the updated Five-Year CIP.

4.h Pavement Preservation Update – 2023 Program

- The following roadways are suggested for pavement maintenance work in 2023 ([see exhibit](#)).
- These roadways, with a total length of approximately 6.2 miles, were resurfaced between pre-2018 and 2021, and now is the appropriate time for pavement rejuvenation before their surface condition deteriorates further.
- We have provided this exhibit to the Rejuvenator contractor, and they are currently field verifying the eligibility of these roadways.
- The estimated cost (*2023 pricing is not yet known*) for these improvements is \$92,000.
- We suggest that the Village consider funding these improvements in the FY 2023/2024 budget, and also that the Village continue to allocate additional funding towards pavement maintenance and pavement resurfacing priorities in future years.
- Subject to availability of funding in budget, this work would likely occur in Fall 2023

4.i Grants / Funding Opportunities Evaluated during Previous Quarter

- Kane Community Reinvestment Program
 - This program is applicable for infrastructure (parks, streets, sidewalks and water/sewer lines) so this potentially could meet needs of Village
 - Funding however is only applicable to low-moderate income neighborhoods as determined from Census map:
<https://www.arcgis.com/apps/Viewer/index.html?appid=9642c475e56f49efb6e62f2d8a846a78> . There are no neighborhoods meeting the low-moderate income criteria in Campton Hills, so the program is not applicable to the Village.
 - Applications were due December 7, 2022
- CMAP (Chicagoland Metropolitan Agency for Planning)
 - 011723 program announcement for all three of the following programs
 - CMAQ
 - This program is focused on intersection improvements/congestion mitigation projects, not maintenance type resurfacing projects that are the focus of the Village.
 - STP Shared Fund
 - This program is geared towards projects over \$5MM and those of regional significance addressing traffic issues, not maintenance type resurfacing projects that are the focus of the Village.
 - TAP-L
 - This program is focused on bike paths that fill out the Regional Greenway Trail plan, and bike paths are not the current focus of the Village.
 - Applications were due March 10th
- IDOT Special Programs Assistance (SPAC)
 - IDOT will be holding informational meetings in May regarding the following three programs; ITEP, EDP and SRTS
 - We will be attending that meeting, but from our prior experience with these programs, as described below, these programs are unlikely to be applicable to the Village of Campton Hills
 - Illinois Transportation Enhancement Program (ITEP)
 - This program is geared towards implementing planned bike path improvements, and since that is not the current focus of the Village we don't see opportunities with this program.
 - Economic Development Program (EDP)
 - This program is geared towards roadway improvements or new construction that are necessary for access to new or expanding industrial, manufacturing or distribution type companies, for creation and retention of permanent full time jobs. Since that is not the current focus of the Village, we don't see opportunities with this program.
 - Safe Route to Schools (SRTS)
 - This program is geared towards filling sidewalk gaps to improve access to schools, and are not aware of any significant gaps in the sidewalk network near either Wasco Elementary School or Bell Graham Elementary School, so we don't see opportunities with this program.



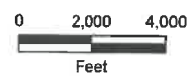
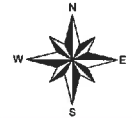
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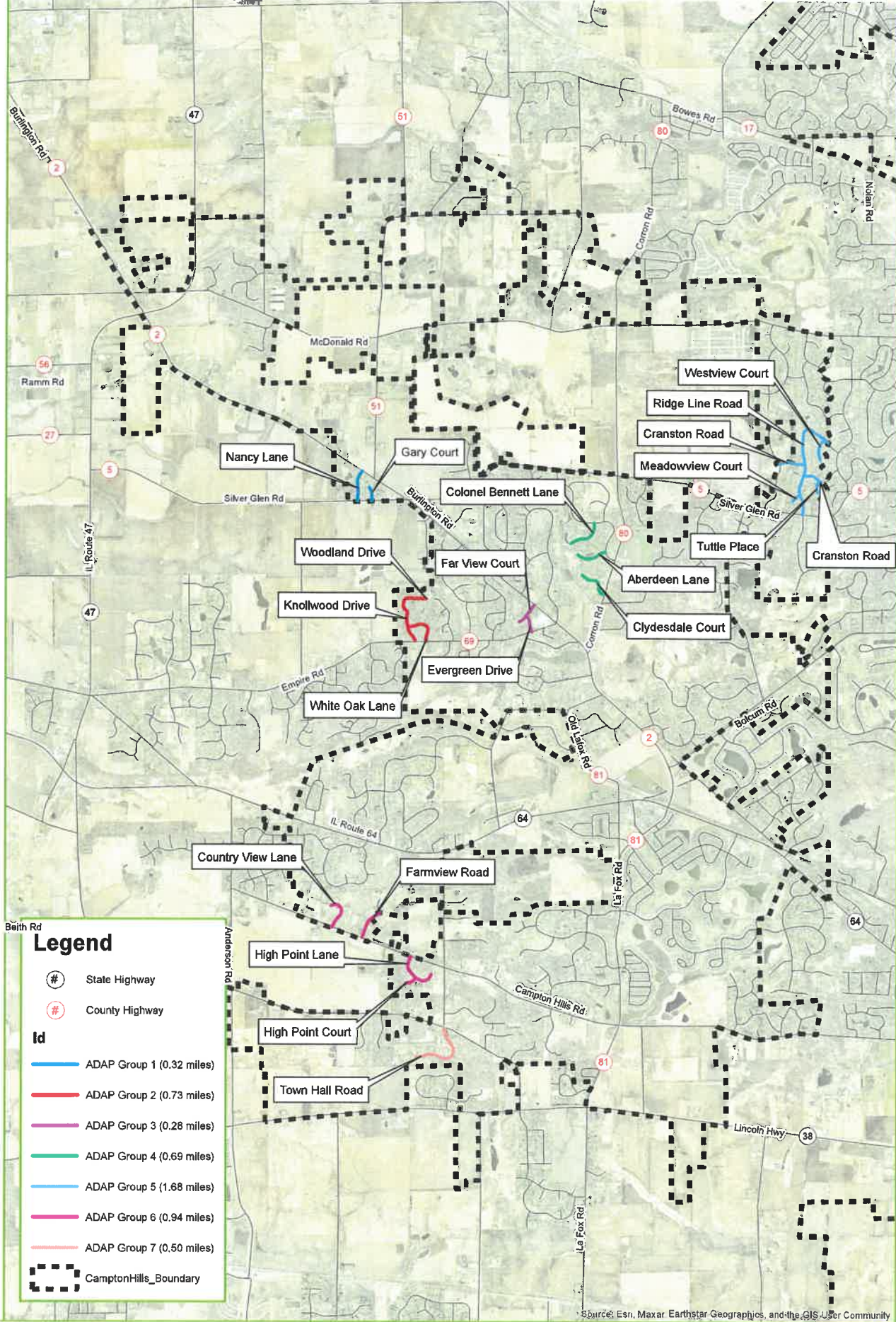
- State Highway
- County Highway
- Campton Hills Boundary
- Id**
- 2022 MFT Program Priority A Streets
- 2022 MFT Program Priority B Streets
- 2022 MFT Program Priority C Street

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN and the GIS User Community



2022 MFT Roadway Plan (Preliminary) Campton Hills, IL





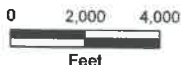
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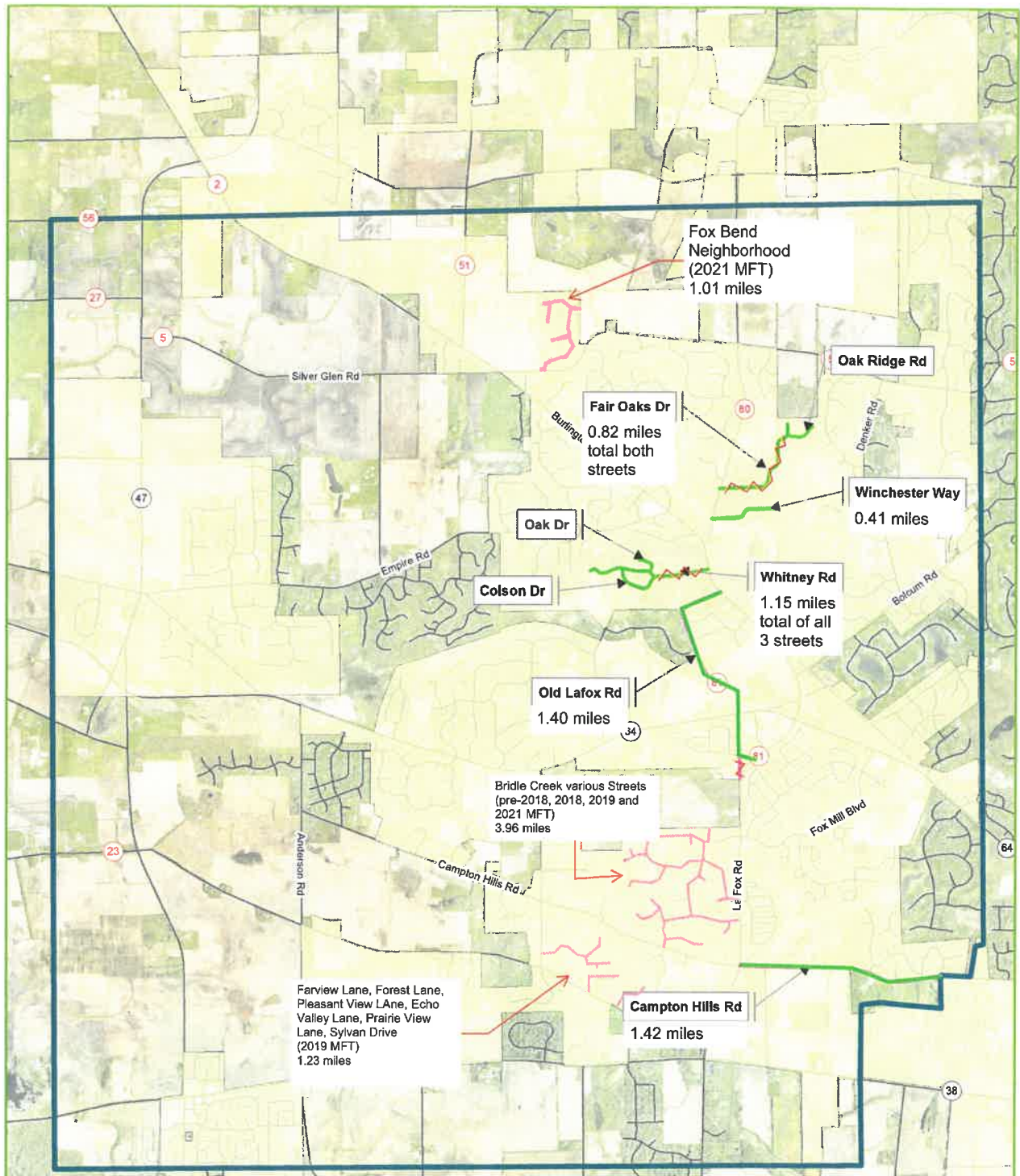
- # State Highway
- # County Highway
- Id**
- ADAP Group 1 (0.32 miles)
- ADAP Group 2 (0.73 miles)
- ADAP Group 3 (0.28 miles)
- ADAP Group 4 (0.69 miles)
- ADAP Group 5 (1.68 miles)
- ADAP Group 6 (0.94 miles)
- ADAP Group 7 (0.50 miles)
- CamptonHills_Boundary

Source: Esri, Maxar Earthstar Geographics, and the GIS User Community



2023 MFT Roadway Plan
(Preliminary)
Campton Hills, IL





Legend

- 2023 Proposed Rejuvenation
- 2022 Completed Rejuvenation
- Campton Township
- CamptonHills_Boundary
- Local Road or Street
- # State Highway
- # County Highway

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, AeroGRID, IGN, and the GIS User Community



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**2022 and PROPOSED 2023
Pavement Preservation
and Maintenance Program
Campton Hills, IL**

