

**VILLAGE OF WINNETKA
ENVIRONMENTAL & FORESTRY COMMISSION
SPECIAL VIRTUAL MEETING**

Zoom
September 24, 2020
7:00 PM

AGENDA

In accordance with social distancing requirements and Governor Pritzker’s Executive Orders 2020-43 and 2020-44, and Senate Bill 2135, the Village of Winnetka Environmental & Forestry Commission Special Meeting on September 24, 2020 will be held virtually beginning at 7:00 PM. The meeting will be livestreamed via the Zoom platform. At least one representative from the Village will be present at Village Hall in compliance with the Bill, and the virtual meeting will be simulcast at Village Hall for members of the public who do not wish to view the virtual meeting from another location. Pursuant to Executive Orders 2020-43 and 2020-44 issued by the Governor, the number of people who may gather at Village Hall for the meeting is limited due to the mandated social distancing guidelines. Accordingly, the opportunity to view the virtual meeting at Village Hall is available on a “first come, first-served” basis.

The public has two options for observing and participating in this virtual meeting including the ability to provide oral comments during the meeting.

- 1) Telephone (audio only Call 312-626-6799), when prompted enter the Meeting ID- 91276164320 (Please note there is no additional password or attendee ID required)
- 2) Livestream (both audio and video feed) Download the Zoom meetings app to your smartphone, tablet or computer and then join Meeting ID: 91276164320. Event Password: EFC092420.

Public comments should be emailed to bmendoza@winnetka.org. Public comments received by 6:45 p.m. on Thursday, September 24, 2020 will be read at the appropriate time during the meeting. General comments for matters not on the agenda will be read at beginning of the meeting under the Public Comment agenda item. Comments specific to a particular agenda item will be read during the discussion of that agenda item. The Village will attempt to have comments received after the meeting has started read at the end of the meeting. Public comment is limited to 200 words or less. Public comments should contain the following information:

- In the subject line – “Environmental & Forestry Commission Special Meeting Public Comment”
- Name
- Address (optional)
- Phone (optional)
- Organization or agency representing, if applicable
- General comment or comment on topic of specific agenda item number

All emails received will be acknowledged either during or after the meeting, depending on when they are received. If you do not have access to email, you may leave a message with your public comment at the Public Works office at 847-716-3550 or mail to Public Works, Village of Winnetka, 1390 Willow Road, Winnetka, IL 60093.



**Winnetka Environmental and Forestry Commission
Notice of Virtual Special Meeting
September 24, 2020**

The Winnetka Environmental and Forestry Commission will convene on Thursday, September 24, 2020 via Zoom, at 7:00 p.m.

Agenda

Call to Order

1) Introduction & Chair's Remarks

Presenter Dowding

2) New Business

a. Village Streetscape Plan Discussion

Presenter Lueck

3) Public Comment

4) Adjournment

Posted Time and Date

NOTICE

All agenda materials are available at villageofwinnetka.org (*Government > Council Information > Agenda Packets & Minutes*); *the Reference Desk at the Winnetka Library; or in the Manager's Office at Village Hall (2nd floor)*. The Village of Winnetka, in compliance with the Americans with Disabilities Act, requests that all persons with disabilities who require certain accommodations to allow them to observe and/or participate in this meeting or have questions about the accessibility of the meeting or facilities, contact the Village ADA Coordinator, at 510 Green Bay Road, Winnetka, Illinois 60093, 847-716-3543; T.D.D. 847-501-6041.

**VILLAGE OF WINNETKA
M E M O R A N D U M**

TO: Winnetka Environmental and Forestry Commission

CC: Winnetka Village Council

FROM: Andrew Lueck, Assistant Village Forester

DATE: September 18, 2020

SUBJECT: Lincoln Avenue Streetscape Tree Recommendations

Forestry staff met with Jodi Mariano of Teska Associates in May of 2020 to evaluate tree conditions along Lincoln Avenue, north of Elm Street in the area of planned streetscape construction. Trees were evaluated for their overall condition along with their likelihood of surviving construction. Recommendations were developed for the removal or preservation of each tree based on condition and construction impacts anticipated from the preliminary design. Tree conditions and recommendations are detailed in the attached slide deck.

Forestry staff has also developed several considerations for replacement trees to be planted as part of the streetscape project. These considerations are detailed below.

Tree size considerations

The size of trees planted is dependent on the size of the space available to the tree at planting and expected tree needs as the tree matures. The tree rooting area must not only allow for the root ball at planting but must also allow for root growth as the tree grows. The minimum required size of root balls for various sizes of newly planted trees is detailed in the table below, per the national standards published by AmericanHort.

Caliper	Average height range	Min. root ball diameter	Min. root ball depth
2 in.	12 - 14 ft.	24 in.	14.4 in.
2.5 in.	12 - 14 ft.	28 in.	17 in.
3 in.	14 - 16 ft.	32 in.	19 in.
3.5 in.	14 - 16 ft.	38 in.	23 in.
4 in.	16 - 18 ft.	42 in.	25 in.
4.5 in.	16 - 18 ft.	48 in.	29 in.
5 in.	18+ ft.	54 in.	32 in.

Long-term tree survivability

Underground growing space must be large enough to accommodate the expected rooting area of a tree at maturity. Inadequate rooting space will not allow the tree to take up enough water and nutrients to survive as it grows. This may lead to premature tree death, often within a few years after planting. Available rooting area must therefore be considered when choosing the species and size of replacement trees.

Construction activities near root zones

During construction it is anticipated that various work activities will take place near and within the critical root zones of existing parkway trees. These activities may include excavating, exposing of existing roots, surface cutting, and placement of heavy equipment and materials. Efforts to minimize these impacts include tree protection around the base of existing trees, strategic root pruning prior to excavation work, and control measures for the staging of equipment and materials.

Replacement tree species

Species selected for replacement will include those known to do well in constricted urban spaces while being tolerant of urban conditions. Columnar varieties will be selected where appropriate to reduce conflict with building and other infrastructure. Potential species may include:

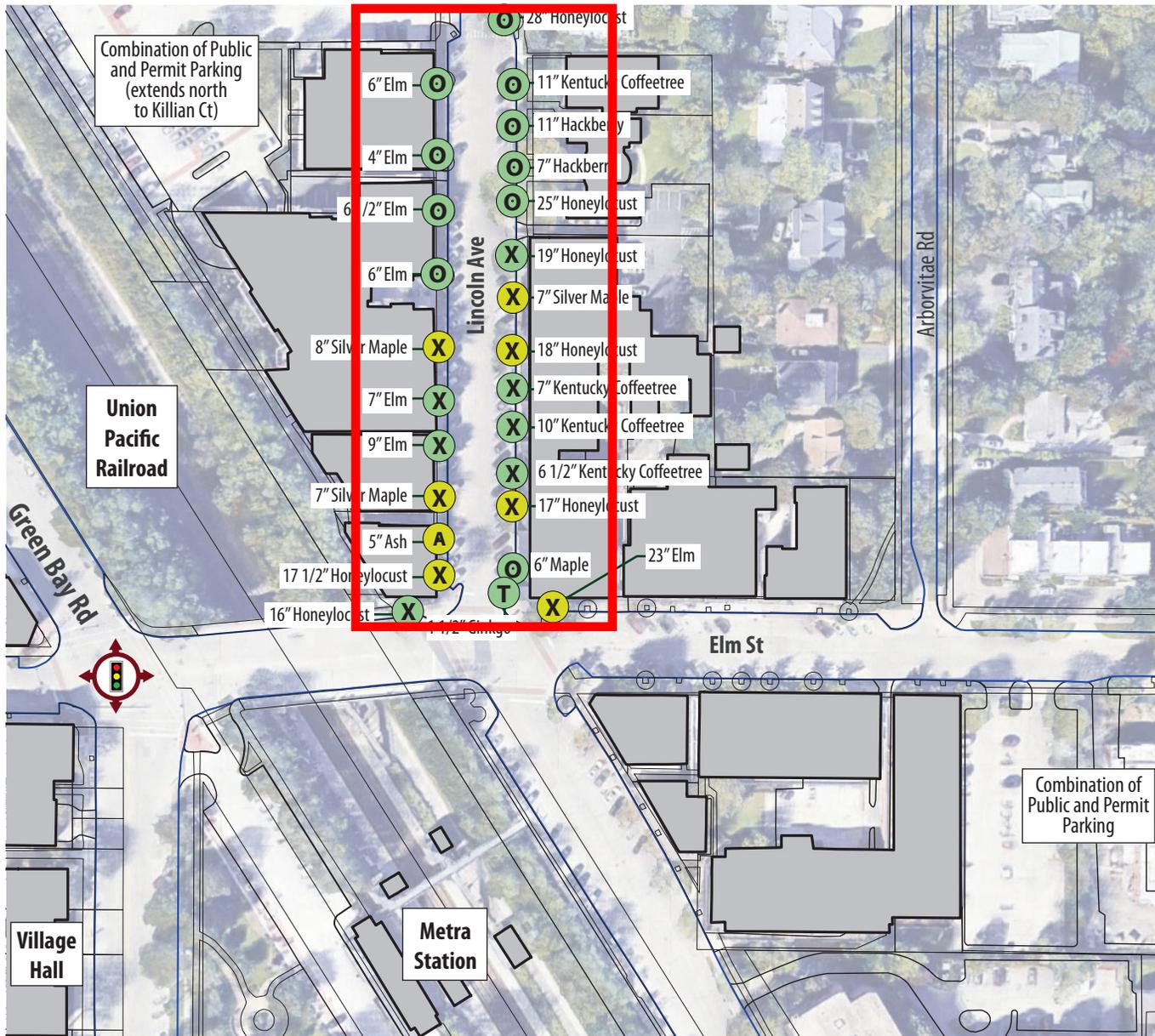
- a. Oak (Regal Prince/Kindred spirit)
- b. Elm (Frontier/New Horizon)
- c. Ginkgo (Princeton Sentry)
- d. Honeylocust (Streetkeeper)
- e. Maple (State Street)
- f. Kentucky coffeetree

Structural soil

Structural soil will be placed under the sidewalk where typical soil would not be adequate for support of infrastructure. Structural soil allows for increased rooting area under sidewalk over what a typical tree pit would provide as it increases the volume of soil available to the tree. It also allows for planting of larger trees than would be feasible in a typical tree pit, due to the accommodation of a larger root ball.

Replacement tree locations

Locations for replacement trees were proposed as part of the approved Winnetka Streetscape Master Plan. These locations can be seen on the final page of the attached exhibit. While not finalized, these provide a representation of the potential tree replanting layout. Final tree numbers and locations will be dependent upon the location of other infrastructure, along with tree spacing requirements for tree health.



LEGEND

-  Existing Traffic Signal
-  Existing Curb
-  Existing Tree (Good to Fair Condition)
-  Existing Tree (Poor Condition)

QUANTITY	LABEL	DESCRIPTION
1	T	Existing Tree That May be Transplanted to Another Location
10	O	Existing Tree Anticipated to Survive Streetscape and Utility Construction
1	A	Existing Ash Tree to be Removed Due to Emerald Ash Borer
7	X	Existing Tree to be Removed Due to Poor Conditions
7	X	Existing Tree to be Removed Due to Anticipated Construction Impacts
26	TOTAL EXISTING TREES	

 Area of Construction

Tree #1

American elm

23" Diameter

Poor condition: Root structure issues, including significant conflict with infrastructure

Removal Reasoning: Tree condition



Tree #2

Ginkgo

1.5" Diameter

Good condition

Transplant



Tree #3

Honeylocust

17" Diameter

Poor condition: Significant dieback in crown, likely related to below ground issues

Removal Reasoning: Tree condition



Tree #4

Kentucky coffeetree

6.5" Diameter

Good condition

Removal Reasoning: Root impacts from construction



Tree #5

Kentucky coffeetree

10" Diameter

Good condition

Removal Reasoning: Root
impacts from construction



Tree #6

Kentucky coffeetree

7" Diameter

Good condition

Removal Reasoning: Root impacts from construction



Tree #7

Honeylocust

18" Diameter

Poor condition: Decay at base and along stem. Root structure issues, including significant conflict with infrastructure.

Removal Reasoning: Tree condition



Tree #8

Silver maple

7" Diameter

Poor condition: Significant stem decay and broken top

Removal Reasoning: Tree condition



Tree #9

Honeylocust

19" Diameter

Good condition

Removal Reasoning: Root impacts from construction



Tree #10

Silver maple

8" Diameter

Poor condition: Significant stem decay with moderate crown dieback

Removal Reasoning: Tree condition



Tree #11

Hybrid elm

7" Diameter

Good condition

Removal Reasoning: Root impacts from construction



Tree #12

Hybrid elm

9" Diameter

Good condition

Removal Reasoning: Root impacts from construction



Tree #13

Silver maple

7" Diameter

Poor condition: Significant stem decay with significant crown dieback

Removal Reasoning: Tree condition



Tree #14

Green ash

5" Diameter

Poor condition: Undesirable species due to emerald ash borer. Moderate crown dieback.

Removal Reasoning: Tree condition



Tree #15

Honeylocust

17.5" Diameter

Poor condition: Moderate crown dieback. Root structure issues, including significant conflict with infrastructure.

Removal Reasoning: Tree condition



Tree #16

Honeylocust

16" Diameter

Good condition

Removal Reasoning: Root impacts from construction





LEGEND

-  Existing Traffic Signal
-  Existing Curb
-  Proposed Curb
-  Existing Tree (To Remain and to be Protected)
-  Proposed Street Tree

Existing Trees to be Protected	19
Proposed New Trees	24
TOTAL TREES	43

NOTE: Conceptual tree layout is shown based on the West Elm Street lighting standards. Final tree and lighting locations to be determined upon final photometric plan.