

AGENDA
COMMITTEE OF THE WHOLE
FEBRUARY 16, 2021
2200 Harnish Drive
Village Board Room
7:45 P.M.

In light of the current COVID-19 public health emergency, Governor J.B. Pritzker's Gubernatorial Disaster Proclamation, and the Village's Continuation of Proclamation of Local Disaster Emergency in response thereto, the Village President has determined that an entirely in-person meeting is not practical or prudent because of the disaster. This meeting will be held remotely and in-person, but there will be a limit of ten (10) in-person seats available for the public in the Village Board Room. The following information is being made available to the public for the purpose of public participation in the spirit of transparency and an open meeting process. The complete Committee of the Whole packet is posted at the Algonquin Village Hall and may be viewed online via the Village Board's link on the Village's website, www.algonquin.org. If you would like to listen to the meeting, please go to <https://algonquin.zoom.us/j/99497174291> or dial in (877)853-5257, (888)475-4499, or (312)626-6799 webinar ID **994 9717 4291**. If you wish to submit any public comment, please contact the Deputy Village Clerk in advance of the meeting at 847-658-5609 or meetingcomments@algonquin.org or during the to comment during the meeting public comment portion of the meeting after logging into the zoom meeting, please raise your hand and you will be called on, if you are dialing in, dial *9 to raise your hand. The Village will attempt to read such public comments during the public commentary portion of the meeting. Any comments received during the meeting but after the public commentary portion has ended will be provided in writing to the Village Board members after the meeting.

Remote meetings will be recorded for the purpose of accurate meeting minutes.

Trustee Brehmer– Chairperson
Trustee Glogowski
Trustee Spella
Trustee Steigert
Trustee Jasper
Acting President Sosine

- AGENDA -

1. Roll Call – Establish Quorum

2. Public Comment – Audience Participation

(Persons wishing to address the Board, if in person must register with the Village Manager prior to call to order, otherwise see the information above regarding participation.)

3. Community Development

A. Consider an Amendment to Chapter 23, Building Codes

4. General Administration

A. Review Proposed Enterprise Fund and Special Fund Budgets for 2021/2022

1. Water and Sewer Operating Fund
2. Cemetery
3. Swimming Pool Fund
4. Building Services Fund
5. Vehicle Maintenance Service Fund

5. Public Works & Safety

- A. Consider an Agreement with Moore Landscape for the 2021 Downtown Flower and Planter Bed Maintenance Program
- B. Consider a Supplement Resolution for the Harper Drive Bike Path Maintenance Expenditures

6. Executive Session

7. Other Business

8. Adjournment



VILLAGE OF ALGONQUIN
COMMUNITY DEVELOPMENT DEPARTMENT

- M E M O R A N D U M -

DATE: October 15, 2020

TO: Committee of the Whole

FROM: Craig Arps, Building Commissioner

SUBJECT: *Chapter 23 Building Codes Ordinance Update*

Background

Over the course of the past several months Village staff have been reviewing, updating and revising all of Chapter 23. As you know, Chapter 23 adopts and amends all the Building Codes enforced by the Village. Currently, Chapter 23 references the 2006 edition of the International Codes (I-Codes). Staff felt it was time for another review based on changes in construction technology, methods and materials. Staff recommends the adoption of the 2018 edition of the International Buildings Codes as well as the 2014 edition of the Illinois State Plumbing Code and the 2017 edition of the National Electrical Code.

There are numerous benefits to updating the adopted Codes. Not only do newer Codes take in account new construction technology, methods and materials, design professionals and contractors are more acquainted with more recent Codes. Furthermore, adopting the 2018 I-Codes would provide some consistency with other communities in the area, making it easier for design professionals and contractors to work in the area. Crystal Lake has already adopted the 2018 I-Codes. Lake in the Hills is in the process of reviewing the 2018 I-Codes for adoption. Huntley and Carpentersville are considering the adoption of the 2018 I-Codes.

Additionally, Permit fees have not been updated since the adoption of the 2006 I-Codes. Consequently, staff felt it was also time to update the Permit Fee Schedule in Appendix B. The recommended changes to Permit Fee Schedule reflect a modest increase in Permit fees to help offset the cost of reviewing Permits for Code compliance, processing Permits and conducting inspections. Attached is the proposed Chapter 23 and a Permit Fee Schedule.

Changes

The changes proposed to Chapter 23 include the adoption of the following Codes, with local amendments:

- 23.02 International Residential Code/2018
- 23.03 Modifications to the Residential Code
- 23.04 International Building Code/2018
- 23.05 Modifications to the Building Code
- 23.06 International Fire Code/2018
- 23.07 Modifications to the Fire Code
- 23.08 International Mechanical Code/2018
- 23.09 Modifications to the Mechanical Code
- 23.10 International Fuel Gas Code/2018
- 23.11 Modifications to the Fuel Gas Code
- 23.12 National Electrical Code/2017
- 23.13 Modifications to the Electrical Code
- 23.14 Illinois State Plumbing Code/2014
- 23.15 International Energy Conservation Code/2018
- 23.16 Modifications to the Energy Conservation Code
- 23.17 International Existing Building Code/2018
- 23.18 Modification to the Existing Building Code
- 23.19 International Property Maintenance Code/2018
- 23.20 Modifications to the Property Maintenance Code
- 23.21 Illinois Accessibility Code/2018
- 23.22 International Swimming Pool and Spa Code/2018
- 23.23 Modifications to Swimming Pool and Spa Code

The most significant changes between the 2006 and the 2018 I-Codes can be found in the International Residential Code (IRC). The 2018 edition of the IRC requires a fire sprinkler system to be installed in new one and two-family attached dwellings. Residential fire sprinkler systems have been a requirement in the model codes since the 2012 I-Code series, and have received a lot of pushback from professionals in the industry. Since that time, the IRC text has evolved to provide alternatives to the fire sprinkler requirement.

To that result, staff is recommending that the IRC Code Sections requiring a fire sprinkler system in new single family detached houses be amended out of the Code. As a result, a new single-family house would not need to be sprinkled. A Two-family attached dwelling (duplex) would still need to be sprinkled. Staff is comfortable eliminating the sprinkler requirement because of the approved fire-resistant construction methods for houses that do not have a fire sprinkler system. For example, if a house is not sprinkled, the basement side of engineered floor joists (TJI & truss) will have to be covered with sheetrock.

Other changes in the IRC are specific to exterior deck construction. For example, the minimum concrete pier diameter would be increased to 12” from 8” and the manner in which the ledger is mechanically attached to the house is more restrictive.

The proposed revisions to Chapter 23 include significantly limiting the number of amendments to the Illinois State Plumbing Code (ISPC). The reason is that the 2014 edition of the (ISPC) recently published by the Illinois Department of Public Health, specifies that local municipalities shall not amend the Plumbing Code. As a result, a plumber is now allowed to use CPVC or PEX pipe for potable water distribution rather than strictly copper.

Another change between the 2006 and 2018 I-Codes can be found in the International Energy Conservation Code (ECC). For example, the 2018 edition of the ECC specifies additional insulation and more efficient heating and cooling equipment be installed in buildings.

The Village of Algonquin Electrical Commission met on multiple occasions to discuss the adoption of the 2017 edition of the National Electrical Code (NEC). The Electrical Commission have unanimously recommended the proposed update with amendments to the NEC.

Updates to Appendix B

Most of the fees listed in the Permit Fee Schedule with in Appendix B of the Municipal Code are proposed to be increased. The increase of fees will help to compensate for the amount of inflation experienced since the last time the Permit Fee Schedule was updated and help to cover the cost of conducting inspections. Additionally, in an effort to provide better service to residents, the Community Development Department recently started accepting credit cards for Permit fee payment. The increase in Permit fees will also help to offset the cost of accepting credit cards.

The Proposed updates to the Permit Fee Schedule include increasing the minimum Permit fee amount for a residential improvement to \$45.00 from \$40.00 and increasing the minimum non-residential (commercial) improvement to 85.00 from \$75.00. The Permit fee to replace a water heater is proposed to remain the same, at \$10.00

Additionally, an option to calculate a Permit fee pursuant to area of construction (square footage) rather than strictly by construction cost is proposed.

With the proposed Permit fee increase, the Village of Algonquin’s Permit fees will be consistent with surrounding communities or in many instances, will be less than other communities.

Recommendation

Consensus to move the updates to Chapter 23 and Appendix B of the Village of Algonquin Municipal Code forward to the Board for approval is recommended.

The Residential Code shall be amended as follows:

1. Section R101.1 insert Village of Algonquin.

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2. Section R105.1 shall be amended to read as follows:

R105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, replace, repair, including the installation of roof coverings, siding, patios, decks, gazebos, porches, detached accessory buildings or structures, sidewalk, driveways, fences, and swimming pools; retaining walls; use of a shipping container for temporary storage, if on site for more than 14 consecutive days and in no case shall the shipping container be on site for more than 90 consecutive days; move, demolish, or change the occupancy of a building or structure; install or replace any electrical gas, mechanical, or plumbing system, the installation of which is regulated by this Code, or to cause any such work to be done, shall first make application to the Building Official and obtain the required permit(s).

3. Section R105.2 shall be amended to read as follows:

R105.2 Work exempt from permit. Permits shall not be required for the following. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinance of the Village.

Building:

1. Prefabricated swimming pools that are not capable of holding 24 inches (610 mm) or more of water.

2. Retaining walls that are not over four two feet (1219610 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.

3. Painting, papering, tiling, carpeting, countertops, and similar finish work.

4. Swings and other playground equipment accessory to a one- or two-family dwelling.

5. Prefabricated storage containers less than 100 cubic feet in volume, accessory to a one- or two-family dwelling, located in the rear yard and outside any easements.

Electrical: No change.

Gas: No change.

Mechanical: No change.

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4. Section R105.2.2 Insert new Sections:

R105.2.2.1 Fence Repair. The repair or replacement of up to two (2) fence panel sections and/or three (3) support posts.

R105.2.2.2 Siding and Roof Repair. The repair or replacement of up to an aggregate total of 200 square feet of roofing material or siding material.

5. Section R105.5 shall be amended to add:

The work authorized by permit shall be completed and a final inspection conducted within 180 days after its issuance.

Exceptions: The following work authorized by permit shall be completed and a final inspection conducted within one year after its issuance.

- 1.- Single-family dwellings
- 2.- Two-family dwellings
- 3.- Townhouse dwellings
- 4.- Dwelling unit additions and/or alterations

5.-

6. Section R106.1 shall be amended to read as follows:

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R106.1 Submittal documents. Construction documents for new single-family dwellings, two-family dwellings, townhouse dwellings, duplex dwellings, additions to dwelling units above the first floor, modifications which alter the existing bearing walls or beams, modifications which alter the existing roof of a dwelling unit and alterations, retaining walls that are five (5) feet in height or taller measured from the footing to the top of the wall, unless supporting a surcharge and alterations, repairs, expansion, additions, and/or modifications to a dwelling unit of a substantial scope as determined by the Building Official shall be sealed and signed by an Illinois licensed architect or structural engineer.

6.-

7. Section R106.2 shall be amended to read as follows:

R106.2 Site plan. The construction documents submitted with the permit application shall be accompanied by a plat of survey prepared by an Illinois licensed professional engineer or land surveyor showing the size and location of new construction, existing structures, any floodplain or wetland areas, and easements on the site and distances from lot lines. A plat of survey submitted for the construction of a new single-family, single-family, two-family, duplex, or townhouse dwelling shall specify the top of foundation elevation proposed for the building based on the approved engineering plan for the subdivision in which the building will be located. In the event there is not an approved engineering plan for the subdivision in which the building will be located, the proposed top of

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R115.4 Roadway maintenance. All roadways, streets, sidewalks, and bike paths shall remain free of mud/dirt and debris at all time.

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R115.5 Construction driveways. The designated areas for driveways shall, at a minimum, be gravel or crushed stone from the back of the curb or end of the paved right-of-way up to the structure.

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R115.6 Sanitation facilities. Approved portable sanitation facilities in sufficient quantities shall be provided and maintained on construction sites and located within 200 feet of construction activity.

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12. Section R202: The following definition shall be added:

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DUPLEX (TWO-FAMILY DWELLING), A building not more than three stories in height, consisting of two attached single-family dwelling units in which each unit extends from foundation to roof. Each unit has a separate means of egress and each unit has open space on three sides.

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12.

13. Table R301.2(1), insert the following:

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Ground Snow Load-	30 psf pounds per square foot
Wind Speed (three second gust)	90 mph 115
Topographic effects	No
Special Wind Region	No
Windborne Debris Zone	No
Seismic Design Category	0.17/b B
Weathering	severe Severe
Frost Line Depth-	42 inches minimum below grade
Termite	moderate to heavy Moderate
Winter Design Temperature-	-4 degrees Fahrenheit
Ice Barrier Underlayment	required Required Yes
Flood Hazards-	reference Flood Insurance Rate Map for Algonquin

11/16/2006 & Chapter 44

Air Freezing Index-	1745
Mean Annual Temperature-	47.8 degrees Fahrenheit

13- Elevation	700
Latitude	42.251264
Winter Heating	-4 degrees Fahrenheit
Summer Cooling	89 degrees Fahrenheit
Altitude correction factor	0.0
Indoor design temperature	72 degrees Fahrenheit
Heating temperature difference	76 degrees Fahrenheit [72-(-4)]
Cooling temperature difference	14 degrees Fahrenheit [89-75]
Wind velocity heating	8.4 miles per hour
Wind velocity cooling	5.7 miles per hour
Coincident wet bulb	74 degrees Fahrenheit

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hinged and shall provide for direct access from the habitable portions of the dwelling to the exterior, at grade without requiring travel through a garage. Access to habitable levels not having an exit in accordance with this Section shall be by a ramp in accordance with Section R311.6 or a stairway in accordance with Section R311.5.

22. Section 311.4.2, Door type and size, shall be amended to add the following:
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The second required exit clear width of not less than 32 inches (813 mm) where measured between the face of the door and the stop, with the door open 90 degrees. The clear height of the door opening shall be not less than 78 inches (1981 mm) in height measured from the top of the threshold to the bottom of the stop. The second required egress door may be a sliding type door, with a net clear opening of not less than 32 inches.

23. Section 311.4.3 Other doors shall not be amended required to read as follows:

R311.4.3 Landings at comply with these minimum dimensions. Egress doors. There shall be readily openable from the inside the dwelling without the use of a floorkey or landing not less than 36 inches by special knowledge or effort.

36 inches on each side of each exit door. The floor or landing at the exterior door shall not be more than 1.5 inches lower than the top of the threshold. The landing shall be permitted to have a slope not to exceed 0.25 units vertical in 12 units horizontal (2%).
24.

Section R317.1 shall be amended to read as follows:

R317.1 Duplex (Two family dwellings). Dwelling units in a duplex (~~R313.2 One- and two-~~ family dwelling)

shall be separated from each other by a noncombustible wall assembly with not less than a two-hour fire-resistance rating. Wall assemblies, other than masonry or concrete, shall be designed to UL U336, U337 or equivalent.

Exception 2: Dwelling units in a duplex (two family dwelling) equipped throughout with 20. an approved dwellings automatic fire sprinkler system installed in accordance with NFPA 13R shall be systems. Shall be deleted in its entirety.

permitted to be separated from each other by a combustibile wall assembly having not less than a one-hour fire-resistance rating.

25. Section R317.2 shall be amended to read as follows and add Exception 2:

R317.2 Townhouses. Each townhouse shall be considered a separate building and shall be separated by fire-resistance rated wall assemblies meeting the requirements of Section R302 for exterior walls. Each townhouse dwelling unit shall be separated from each other by a noncombustible wall assembly with not less than a two-hour fire-resistance rating; wall assemblies other than masonry or concrete shall be designed in accordance with UL U336, U337 or equivalent.

Exception 2: Townhouse units equipped throughout with an approved automatic sprinkler system in accordance with NFPA 13R may be separated from each other by a combustibile wall assembly with not less than a one-hour fire-resistance rating.

26.

21. Section R401 shall be amended to read as follows:

R401.4. A soil test shall be conducted to determine the soil's characteristics in the ultimate

bearing strata prior to the placement of footings for all one-family, duplex, twofamily;

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~~two-family~~, and townhouse dwellings. Additionally, in areas likely to have expansive, compressive, shifting, or other unknown soil characteristics, a soil test shall be conducted prior to the placement of footings for additions to dwellings or detached accessory structures. These tests shall be made by an approved agency using an approved method. A copy of the soil report shall be submitted to the Community Development Department prior to the approval of the footing inspection.

27.

22. Chapter 4: All references to wood foundations and rubble stone masonry foundations ~~shall be deleted.~~

~~shall be deleted.~~

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28.

23. Section 403.1 shall be amended to read as follows:

R403.1 General. All exterior walls for one-family, duplex, two-family, and townhouse dwellings, ~~and additions to dwelling units, and dwelling unit separation wall assemblies~~ shall be supported in their entirety on a continuous concrete spread footing and foundation of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill. ~~Any Concrete footing shall be designed and constructed in accordance with the provisions of Section R403 or in accordance with ACI 332. Any~~ structure attached to a dwelling unit containing any glazing including but not limited to glass, Lexan, Plexiglas, plastic, or other similar material shall be considered an addition and shall conform to the requirements of this Chapter.

Exceptions:

1.- Exterior walls for one-family, duplex, two-family, and townhouse dwellings, additions to dwelling units, and dwelling unit separation wall assemblies may be supported in their entirety on a continuous concrete bank poured (trench) foundation not less than 16 inches in width, with the base of the foundation placed at or below the frost line.

2.- Single-story additions to a dwelling unit with a total area of 400 square feet or less may be supported by a continuous concrete bank poured (trench) foundation not less than 12 inches in width, with the base of the foundation placed at or below the frost line with 24-inch #5 reinforcing bars doweled six inches into the existing foundation, 12 inches on center vertically, where the foundation for the addition abuts the existing foundation.

~~3. Decks, balconies, porches, and similar structures without a roof, attached to a dwelling unit, may be supported by a solid concrete pier not less than eight inches in diameter with the base of the pier placed at or below the frost line.~~

~~4. Decks, balconies, porches, screened rooms, and similar structures with a roof, attached to a dwelling unit, may be supported by a solid concrete pier not less than 12 inches in diameter with the base of the pier placed at or below the frost line.~~

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~~The exterior walls of any such addition supported by piers shall not be in-filled with any material other than insect screening and the framework necessary to support the screening, except a guard as required by Section R312.1.~~
5. Wood posts supporting decks, balconies, porches, screened rooms, and similar structures shall be pressure treated to prevent decay and shall not exceed the following lengths:

4 x 4 nominal posts shall not exceed 6'-0" in total length.

4 x 6 nominal posts shall not exceed 8'-0" in total length.

Posts in excess of 8'-0" in total length shall be minimum 6 x 6 nominal.

6. Exterior stairs having three or more risers shall have stringers pressure treated to prevent decay and shall be supported by solid concrete piers not less than eight inches in diameter with the base of the pier placed at or below the frost line.

~~prevent decay and shall be supported by solid concrete piers not less than eight inches in diameter with the base of the pier placed at or below the frost line.~~
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24. Section R403.1.1, Minimum size, shall be amended to add the following:

In no case shall the footing size be less than 16 inches in width and less than eight inches in thickness.

25. Section R404.1.23, Concrete foundation walls, shall be amended to add the following:

All foundation walls with a basement shall have not less than two continuous #4 reinforcing bars tied in place within 12 inches of the top and bottom of the wall and no splices shall be made within 18 inches of a corner.

26. Section R404.1.5 shall be amended to read as follows add the following:

R404.1.5 Foundation wall thickness based on walls supported. The thickness of a concrete foundation wall shall not be less than the thickness of the wall or wall assembly supported, and in

In no case shall the foundation wall thickness be less than eight inches.

27. Section 405.2.3, Drainage system, shall be amended to add the following:

All basement window wells shall be provided with drainage consisting of a vertical drain pipe connected to the foundation drainage system with an approved "T"-type connector.

28. Section R407.3, Structural requirements, shall be amended to add the following:

The amount of exposed loose shims used to support a column or girder shall not exceed one inch in height.

29. Section R408.6, Finish grade, shall be amended to add the following:

The under-floor grade within a crawl space shall be covered with an approved vapor barrier and a slush-coat of concrete not less than two inches thick.

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~~Section 507.3 Piers. Decks shall be braced with wood structural panel sheathing with a nominal thickness supported on top of not less than one half inch, located concrete piers. Deck piers shall be sized to carry the imposed loads from the deck structure to the ground. The base of the concrete pier shall be at each end of wall, and at least every 25 feet on center, installed a depth in accordance with Section R602.10.5R403.1.4.~~

~~Exception: Noncombustible dwelling unit separation wall assemblies may use diagonal metal bracing in accordance with listed manufacturer instructions.~~

~~40-Delete Figure R507.3 Deck Posts to Deck Footing Connection.
Delete Exception.~~

37. Section R507.3.1 shall be amended to read as follows:

R507.3.1 Minimum size. The minimum size of a concrete pier shall be not less than 12 inches (305 mm) in diameter.
Delete Table R401.4.1 Minimum Footing size for Decks.

38. Section R507.3.2. Delete Exceptions

39. Table R507.4 Deck Post Height. Replace maximum heights with the following:

<u>Deck Post Size</u>	<u>Maximum Height</u>
4 x 4	6 Feet
4 x 6	8 Feet
6 x 6	10 Feet
8 x 8	14 Feet

40. Section R507.4.1 shall be amended to read as follows:

R507.4.1 Deck post to deck pier connection. Deck posts shall bear on the center of the concrete piers. The attachment of the deck post to the concrete pier shall be made by approved manufactured connectors to provide lateral and uplift restraint.
Delete Exception.

41. Section R703.1, Exterior ~~coverings~~covering, general, shall be amended to add the following:

Any enclosed, attached, or detached accessory structure constructed of canvas, nylon, plastic, or other pliable material supported by air, cables, tubing, metal, or wood framework shall be prohibited. The provisions of this Section shall not apply to awnings or canopies which provide weather protection or decoration.

~~41. Section R703.2, Water restrictive barrier: delete exceptions 2 and 3.
42.~~

42. Section R801.3, Roof drainage, shall be amended to read as follows:

R801.3 Roof drainage. All dwellings shall have a controlled method of water disposal

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- 3. No change.
- 4. No change.
- 5. No change.
- 6. No change.
- 7. No change.
- 9. No change.

10. Where an above-ground pool structure is used as a barrier, an additional barrier shall be mounted on top of the pool structure. The maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches. The minimum vertical height of the barrier above the top of the pool shall be 18 inches. Where the barrier is mounted on top of the pool structure and the means of access is a ladder or steps:

10.1 The ladder or steps shall be designed and manufactured to meet the barrier requirements of Section AG105.2, items 1 through 8. When the ladder or steps are removed, any opening created shall not allow the passage of a 4-inch diameter (102 mm) sphere; or

10.2 The ladder or steps shall be surrounded by a barrier which meets the requirements of Section AG105.2, items 1 through 9. When the ladder or steps are removed, any opening created shall not allow the passage of a 4-inch diameter (102 mm) sphere.

Section AG102 DEFINITIONS: Any structure intended for recreational bathing that is capable of containing water over 24 inches (610 mm) deep. This includes in-ground and on-ground swimming pools, hot tubs and spas.

23.04- INTERNATIONAL BUILDING CODE/20062018

The International Building Code, 20062018 edition, ("Building Code") is hereby adopted by reference and made part of this Section, subject to the modifications set forth herein, and shall be applicable to the Village, to the Village.

23.05- MODIFICATIONS TO THE BUILDING CODE Amended, 14 O 18, 11 O 17

The Building Code shall be amended as follows:

- 1. Section [A] 101.1, insert: Village of Algonquin
- 2. Section [A] 101.4.4 shall be amended to read as follows:

[A] 101.4.4 Plumbing. The provisions of the Illinois State Plumbing Code, 20042014 edition, as amended by the Village, shall apply to the installation, alteration, repair, and replacement of plumbing systems, including equipment, appliances, fixtures, fittings, and appurtenances.

- 3. Section [A] 101.4. Add new Section:

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Buildings with more than two dwelling units where any portion of any individual dwelling unit does not extend from the foundation to the roof, regardless of egress arrangement, shall be classified as R-2.

9.
10. Section 310.14, Residential Group R-3, shall be amended to add the following to R-3:

Buildings with not more than two dwelling units where any portion of any individual dwelling unit does not extend from the foundation to the roof, regardless of egress arrangement, shall be classified as R-3.

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10. Section 310.2, Definitions, shall be amended to add the following definitions:
DUPLEX (TWO FAMILY DWELLING). A building not more than three stories in height, consisting of two single family dwelling units, constructed in a group of two attached units in which each unit extends from the foundation to the roof with separate means of egress and with open space on three sides and shall comply with the International Residential Code in accordance with Section 101.2, Exception.

MULTIPLE FAMILY DWELLING. A building containing three or more dwelling units, in accordance with Section 310.1.

11. Table 508.2, Incidental Use Areas, shall be amended to add the following:

ROOM OR AREA SEPARATION

Fire sprinkler valve room two hours

Fire pump room two hours

12. Section 902, Definitions, shall be amended to add the following definition:

HIGH PILED COMBUSTIBLE STORAGE. As defined in Section 2302 of the International Fire Code.

13.

11. Section [F] 903.2 shall be amended to read as follows:

[F] 903.2 Where required. An approved automatic sprinkler system shall be provided throughout all new buildings and structures regardless of Group or fire area and in locations described in the Section.

14. Delete Exception.

12. Section [F] 903.2.1 shall be amended to read as follows:

[F] 903.2.1. Group A. An automatic sprinkler system shall be provided for in Group A-1 occupancies.

15.

13. Section [F] 903.2.1.1 shall be amended to read as follows:

[F] 903.2.1.1 Group A-1. An automatic sprinkler system shall be provided for in Group A-1 occupancies.

16.

14. Section [F] 903.21.2 shall be amended to read as follows:

[F] 903.2.1.2 Group A-2. An automatic sprinkler system shall be provided for in Group

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A-2 occupancies.

17.

15. Section [F] 903.2.1.3 shall be amended to read as follows:

[F] 903.2.1.3 Group A-3. An automatic sprinkler system shall be provided for in Group A-3 occupancies.

Exception: Areas used exclusively as participant sports areas where the main floor area is located at the same level as exit discharge of the main entrance and exit.

18.

16. Section [F] 903.2.1.4 shall be amended to read as follows:

[F] 903.2.1.4 Group A-4. An automatic sprinkler system shall be provided for in Group A-4 occupancies.

Exception: Areas used exclusively as participant sports areas where the main floor is located at the same level as exit discharge of the main entrance and exit.

19.

17. Section [F] 903.2.1.5 shall be amended to read as follows:

[F] 903.2.1.5 Group A-5. An automatic sprinkler system shall be provided in all Group A-5 occupancies in the following areas: concession stands, retail areas, press boxes, and all other accessory use areas.

20.

18. Section [F] 903.2.2 shall be amended to read as follows ~~and the exception shall be deleted.~~

[F] 903.2.2 Group E. Ambulatory care facilities. An automatic sprinkler system shall be provided in all Group E any area containing an ambulatory care facility.

21.

19. Section [F] 903.2.3 shall be amended to read as follows:

[F] 903.2.3 Group F-1E. An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1E occupancy.

22.

20. Section [F] 903.2.3.1 shall be amended to read as follows:

[F] 903.2.3.1 Woodworking operations. 4 Group F-1. An automatic sprinkler system shall be provided throughout all buildings containing a F-1 occupancy.

21. Section [F] 903.2.4.1 shall be amended to read as follows:

[F] 903.2.4.1 Woodworking operations. An automatic sprinkler system shall be provided throughout all Group F-1 occupancies that contain woodworking operations.

23.

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[F] 903.3.112 Sprinkler room access. Where fire sprinkler risers or fire pumps are located in a separate room, a minimum of a 36-inch side-swinging door complying with Section 715.4 shall be installed to provide direct access into the room from inside and outside of the building. Where the fire sprinkler risers are not located in a separate room, a minimum of a 36-inch side-swinging door complying with Section 715.4 shall be installed in an exterior wall, in an approved location, to provide access to the vicinity of the sprinkler risers from the outside of the building. A sign shall be provided on the exterior of the door(s) with minimum four-inch high letters stating, "SPRINKLER CONTROL VALVES" and/or "FIRE PUMP ROOM," as applicable.

41. Section 903 shall be amended to add a new section that will read as follows:

[F] 903.3.12 Thinwall pipe. The use of XL thinwall sprinkler pipe shall not be permitted.

42. Section [F] 903.4, **Sprinkler system monitoring and alarms,** shall be amended to read as follows:

[F] 903.4 Sprinkler system monitoring and alarms. All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures, and water flow switches, shall be electrically supervised by the building fire alarm system.

Exceptions: No change

43. Section [F] 903.4.1, **Signals,** shall be amended to add to read as follows:

[F] Section 903.4.1 Signals. Alarm, supervisory, and trouble signals shall be distinctly different and automatically transmitted to an approved supervising station in accordance with NFPA 72.

44. Section [F] 903.4.2 shall be amended to read as follows:

[F] 903.4.2 Alarms. A fire alarm shall monitor all automatic sprinkler systems. Approved audible and visual devices shall be connected to every automatic sprinkler system.

Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Actuation of the automatic sprinkler system shall actuate the building fire alarm system flow alarm, sprinkler bells, and water flow indicating appliances over the fire protection district direct connection. Visual alarm devices shall be arranged so the flashing light beam can be seen at the required level of intensity from all common use areas. Visual alarm appliances shall be provided as directed in Section [F] 907.9.2.3 and in restrooms. Audible alarms shall be arranged so the alarm can be heard in all areas of the building, as directed in Section [F] 907.9.2.

45. Section [F] 903.4.3 shall be amended to read as follows:

[F] 903.4.3 Floor control valves. Approved, supervised indicating floor control valves with water flow switches shall be provided at the point of connection to the riser on each floor in multiple story buildings, including all floor levels below grade.

46. Section [F] 903 shall be amended to add the following section:

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[F] 903.6. Yard Hydrants. Fire hydrants shall be provided around the perimeter of a building in 300 foot increments.

47.

45. Section [F] 905.3 shall be amended ~~to read~~ as follows:

[F] 905.3. Required installations. ~~Installations.~~ Class I standpipe systems shall be installed where required

by Sections 905.3.1 through 905.3.7 and in locations indicated in Sections 905.4.

Standpipe systems are permitted to be combined with automatic sprinkler systems unless otherwise noted.

Exception: Standpipe systems are not required in buildings and structures regulated by the International Residential Code in accordance with Section 101.2, Exception 1.

~~the International Residential Code in accordance with Section 101.2, Exception 1.~~

48.

46. Section [F] 905.3-1301 shall be amended ~~to read~~ as follows:

[F] 905.3.1 Building height and area. ~~Height.~~ Class I standpipe systems shall be installed throughout all buildings and portions of buildings:

1. With more than two stories above the lowest level of fire department vehicle access.
2. With more than two stories below the highest level of fire department vehicle access.
3. Where there is a floor level located more than 30 feet above the lowest level of fire department vehicle access, including mezzanines.
4. Where there is a floor level located more than 30 feet below the highest level of fire department vehicle access, including mezzanines.
5. Where any portion of the building floor area, including mezzanines, is more than 400 feet of travel from the nearest point of fire department vehicle access.

49.

47. Section [F] 905.3 shall be amended to add the following ~~section~~ **Section**:

Section [F] 905.3.89 High-piled ~~plyed~~ combustible storage. Buildings or portions of buildings with

high-piled combustible storage shall be equipped with a Class I automatic wet standpipe system. Standpipe hose connections shall be located in high-piled combustible storage areas

where storage exceeds 12 feet in height. Hose connections shall be located at each door to the high-piled combustible storage area. Where the travel distance between hose

connections exceeds 200 feet, the Building Official is authorized to require additional hose connections be provided in approved locations. The standpipe system shall be:

1. A separate riser piping system.
2. Hydraulically calculated for a minimum of 250 gallons per minute at 75 pounds per square inch to the most hydraulically remote fire hose valve.
3. Where system pressures exceed 100 pounds per square inch, a reduced pressure field-adjustable type hose valve shall be provided.

50.

48. Section [F] 905.4 shall be amended to add ~~the following to the list of locations of Class I~~ **standpipe hose connections:**

7. In Group A-1 and A-2 occupancies with occupant loads of more than 1,000, hose

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accordance with Section 101.2, Exception 1.
56.

55. Section [F] 907.2.1, Group A, delete the exception.
57.

56. Section [F] 907.2.2, Group B, delete the exception.
58.

57. Section [F] 907.2.3, Group E, delete exception 2.
59.

58. Section [F] 907.2.4, Group F, delete the exception.

60. Section [F] 907.2.5, Group H, shall be amended to read as follows:

~~[F] 907.2.5 Group H. A manual fire alarm system shall be installed in accordance with NFPA 72 in all Group H occupancies. An automatic fire detection system shall be installed in accordance with NFPA 72 in all incidental use areas, all accessory use areas and any non-sprinklered room or area in a Group H occupancy in compliance with Section 903.3.1.1.1, Exception 1.~~

61.

59. Section [F] 907.2.7, Group M, delete exception 2.

62.

60. Section [F] 907.2.8.1, Manual fire alarm system, shall be amended to read as follows:

~~[F] 907.2.8.1 Manual fire alarm system. A manual fire alarm system shall be installed in accordance with NFPA 72 in all Group R-1 occupancies.~~

~~Delete Exceptions 1 and 2.~~

61. Section [F] 907.2.9, Group R-2, shall be amended to read as follows:

~~[F] 907.2.9.1 Group R-2. A manual fire alarm system shall be installed in accordance with NFPA 72 in all Group R-1 occupancies.~~

~~Delete Exceptions 1 and 2.~~

63. Section [F] 907.2.8.2, Automatic fire alarm system, shall be amended to read as follows:

~~[F] 907.2.8.2 Automatic fire alarm system. An automatic fire alarm system shall be installed in accordance with NFPA 72 in all Group R-1 interior~~2~~ common areas.~~

~~Delete: Exception~~

~~1. 64. An automatic Section [F] 907.2.9, Group R-2, shall be amended to read as follows:~~

~~[F] 907.2.9 Group R-2. A manual fire alarm~~detection~~ system shall be installed in accordance with NFPA 72 in all Group R-2 common areas. An automatic fire detection system shall be installed in accordance with NFPA 72 in all Group R-2 common areas.~~

~~Delete Exceptions 1, 2, and 3~~

65.

62. Section [F] 907.2.12, High-rise buildings, all exceptions shall be deleted.

66.

Section [F] 907.5, Wiring, substitute National Electrical Code in place of ICC Electrical Code.

63. ~~67. Section [F] 907.86.4, Zones, shall be amended to read as follows:~~
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~~[F] 907.86.4 Zones.~~ Each floor shall be zoned separately and a zone shall not exceed 22,500 square feet. The length of any zone shall not exceed 300 feet in any direction. ~~Multitenant 64. Multi-tenant~~ buildings shall ring by tenant space.

~~68. Section [F] 907.8.2, High-rise buildings, shall be amended to read as follows:
[F] 907.8.2 Zone by floor required. A separate zone by floor shall be provided for each of the following types of alarm-initiating devices where provided:~~

- ~~1. Manual fire alarm boxes~~
- ~~2. Heat detectors~~
- ~~3. Smoke detectors~~
- ~~4. Sprinkler water flow switches~~
- ~~5. Other suppression systems~~
- ~~6. Other fire detection devices~~

~~69. Section [F] 907.9.1.1, Public and common areas, shall be amended to read as follows:
[F] 907.9.1.1 Public and common areas. Visible alarm notification appliances shall be provided in public areas and common areas. A clear weatherproof 75-candela exterior strobe shall be installed on the exterior of all multi-tenant buildings over the main entrance to each tenant space, and shall be activated by the fire alarm devices within that tenant space only. A blue weatherproof 75-candela exterior strobe shall be installed on the exterior of the building above each fire department connection and shall be activated by water flow only.~~

~~70. Section [F] 907.13, Fire-extinguishing systems, shall be amended to read as follows:
[F] 907.13 Fire-extinguishing systems. Automatic fire-extinguishing systems shall be supervised by the building fire alarm system.~~

~~71. Section 1006.3, Illumination emergency power, shall be amended to add an additional location for emergency illumination, which shall read as follows:~~

~~6. All rooms containing building fire sprinkler riser(s), fire pump(s), and fire alarm control panel(s) shall be provided with emergency lighting.~~

~~72. Section 1019.1, Minimum number of exits, shall be amended to add the following section:
For the purposes of this Chapter, tenant spaces shall be provided with exits as required by Table 1015.1.~~

~~73. Section 1019.2, Buildings with one exit, shall be deleted in its entirety.~~

~~74. Section 1608.2, Ground snow loads, shall be amended to read as follows:~~

~~1608.2 Ground snow loads. A ground snow load of not less than 30 pounds per square foot shall be used in determining the design snow loads for roofs.~~

~~Chapter 23, Page 22-4/22/44~~

~~75. Section 1612.3, insert Village of Algonquin and January 1, 2006.~~

~~76. Section 1802.2, Foundations and soils investigations, shall be amended to add the following subsection, which shall read as follows:~~

~~1802.2.8 Soil Test. A soil test shall be conducted to determine the soil's characteristics in the ultimate bearing strata prior to the placement of any footings. Additionally, in areas likely to have expansive, compressive, shifting, or other unknown soil characteristics, a soil test shall be conducted prior to the placement of footings for additions to dwellings or detached accessory structures. These tests shall be made by an approved agency using an approved method. A copy of the soil report shall be submitted to the Community Development~~

~~Department prior to the approval of the footing inspection.~~

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~~77. The following sections/chapter shall be deleted in their entirety:~~

~~Section 1805.4.5 Timber footings~~

~~Section 1805.4.6 Wood foundations~~

~~78. Chapter 29, Plumbing Systems and the Illinois State Plumbing Code shall govern the erection, installation, alterations, repairs, relocation, replacement, addition to, use, or~~

~~maintenance of plumbing equipment and systems. Plumbing systems and equipment shall~~

~~65. be constructed, installed, and maintained in accordance with the Illinois State Plumbing Code.~~

~~Code.~~

~~79. Section 3410.2, insert January 1, 1987.~~

~~80. Chapter 35, add the following to the list of NFPA Standards:~~

~~All standards listed in Chapter 45 of the International Fire Code.~~

~~81. The following Section shall be added:~~

~~1. **Definitions:** The following words and phrases shall have the meanings ascribed to them in this Section:~~

~~**ALFPD:** The Algonquin/Lake in the Hills Fire Protection District.~~

~~**Direct Connect Network:** The direct connect system that commercial properties and multi-family residential properties (with more than two dwelling units) were previously required to utilize that transmitted signals to a board owned and supervised by the ALFPD until Dec. 1, 2013, and by the Village on and after Dec. 1, 2013.~~

~~**False alarm:** An alarm signal which indicates the existence of any emergency situation when in fact, no such emergency exists, and shall include any alarm signal generated by any fire protection system by whatever means, but shall not include alarms resulting from any of the following causes:~~

~~Chapter 23, Page 23 4/22/14~~

~~a. Fire causing damage to structures or contents of a protected premise verified by the ALFPD.~~

~~b. Earthquake causing structural damage to the protected premise.~~

~~c. Tornado winds causing structural damage to the protected premise.~~

~~d. Flooding to the protected premise due to overflow of natural drainage or other water leaks within the structure or building.~~

~~e. Lightning causing physical damage to the protected premise.~~

~~f. Telephone line malfunction verified to the ALFPD by an authorized telephone company supervisor within seven days of the occurrence.~~

~~g. Radio receiver malfunction verified by the ALFPD contractor.~~

~~h. Electrical service interruption verified to the ALFPD by the local power company manager within seven days of the occurrence.~~

~~i. Plumbing or electrical malfunctions unrelated to the fire protection system.~~

~~j. Malicious activations when, in the opinion of the ALFPD, beyond the control of the user.~~

~~**User:** The owner of the property from which the false alarm originates and any individual, partnership, corporation, organization, or other entity on the property with the permission of the owner.~~

~~**Intentional false alarm:** A false alarm that is purposely and non-accidentally activated in a non-emergency situation without prior notification to the ALFPD.~~

~~**Improper installation or design:** Systems fall under the scope of this definition when new systems are installed in a negligent or faulty manner, or when a system is designed in a substandard or faulty manner, either of which results in a false~~

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~~alarm activation in a non-emergency situation.~~

~~**Improper maintenance:** Systems fall under the scope of this definition when existing systems have not been properly maintained by the property owner, which results in a false alarm activation in a non-emergency situation. This definition includes, but it not limit to, the proper maintenance of all components within any system.~~

~~**Improper use:** Systems fall under the scope of this definition when an action of a user results in a false alarm activation in a non-emergency situation due to the user's carelessness or negligence.~~

~~Chapter 23, Page 24 4/22/14~~

~~**System:** This includes all fire alarm systems, sprinkler systems, and other automated systems that transmit alarms or signals.~~

~~**12-month period:** The 12-month period shall be the 12-calendar months immediately preceding the date of the false alarm for which the citation was issued.~~

~~2. The following provisions and requirements shall apply to commercial properties and multi-family residential properties (with more than two dwelling units) in the Village.~~

~~a. **Design and Installation:** Fire alarm systems shall be designed and installed in accordance with the provisions of the International Building Code 2006 edition (IBC) as amended by the Village, International Fire Code 2006 edition (IFC) as amended by the Village, and NFPA 72. Devices, appliances, and equipment shall be approved for the purpose for which they are installed. Where differences occur between the provisions of the IBC/IFC as amended and NFPA 72, the provisions of the IBC/IFC as amended shall apply.~~

~~b. **Supervision of Sprinkler Systems:** Required automatic fire sprinkler systems shall be supervised by a fire alarm system in accordance with IBC/IFC §903.4.~~

~~e. **Plan Submission:** Construction documents for all systems under this Section shall be prepared in accordance with IBC/IFC §907.1.1 and NFPA 72.~~

~~A permit application and not less than four sets of plans and specifications shall be submitted for review and approval to Community Development.~~

~~d. **Owner/Occupant Responsibility for Compliance:** All owners and permitted occupants (for individuals, those at least 18 years of age) of commercial properties and multi-family residential properties (with more than two dwelling units) are responsible for compliance with the requirements of this Section.~~

~~e. **Previous Direct Connect Network:** Nothing in this Chapter shall be construed to conflict with or interfere with the Village's transitioning out of the Direct Connect Network. Nothing in this Section shall impede the Village's ability to exercise the rights it possesses by contract or law with the Direct Connect Network during the transition period prescribed by proper legal mechanism, nor shall it absolve any subscriber of the Direct Connect Network of its obligations by contract or law until the subscriber has successfully transitioned from the Direct Connect Network.~~

23.06- INTERNATIONAL FIRE CODE/20062018

The International Fire Code, 20062018 edition, and appendices B, C, and D, ("Fire Code"), be

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~~spaces, conduit shall be connected to the side of the junction box.~~

~~8. Article 210.11 shall be amended to add the following:~~

~~In no case shall there be more than ten 110-volt and/or light fixtures connected to any branch circuit in a residential occupancy.~~

~~9. Exception. Existing non-modified structures shall have wireless battery-powered inter-connected smoke detectors, at locations where required.~~

8. Article 210.11(A) shall be amended to add the following:

(1) All sump pumps and ejector pumps shall each be supplied by a separate circuit, with a single dedicated receptacle device.

(2) All furnaces and air conditioners shall each be supplied by a separate circuit.

~~10. Article 210.11(C)(3) shall be amended to add the following:~~

~~Kitchen outlets shall not be combined with lighting circuits.~~

~~11.~~

9. Article 220.10 shall be amended to add the following:

In no case shall the electric service size for a single-family detached dwelling unit be less than 200 ampere, with a 40-circuit panel; or

Less than 200 ampere electric service with a 40-circuit panel for single-family attached dwelling units with 1,400 square feet or more of living space; or

Less than 100 ampere electric service with a 20-circuit panel for single-family attached dwelling units with 1,399 square feet or less of living space; or

Less than 400 ampere electric service with an 80-circuit panel for single-family dwelling units with 4,000 or more square feet of living space.

~~Chapter 23, Page 29 4/22/14~~

~~12.~~

10. Article 230.70(A) shall be amended to add the following:

Service disconnecting means shall be located outside of the building or within five feet of the point in which the service conductors enter the building.

~~13.~~

11. Article 2240 shall be amended to add the following:

~~1. Article 250.34 shall be amended to add the following:~~

~~A permit shall be obtained from the Community Development Department prior to the use of a portable generator of 10,000 watts or more in size; a separate permit may be issued each day of operation.~~

~~14. Article 300 shall be amended to add the following:~~

~~300.51(A) Wiring methods for devices. All switches and outlets shall be connected to the branch circuit by use of screw terminals. No more than one conductor shall be connected to an electrical device screw terminal. Conductors connected to screwless terminals shall not be permitted.~~

~~300.51(B). Circuit breakers. Only one conductor per screw terminal shall be permitted on full size single-pole, two-pole, and three-pole circuit breakers. Mini-circuit breakers and~~

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double/single-pole combination circuit breakers shall not be installed in any service panel, sub-panel, or disconnect enclosure of any size or type.

15. _____

12. Article 250.34 shall be amended to add the following:

A permit shall be obtained from the Community Development Department prior to the use of a portable generator of 10,000 watts or more in size; a separate permit may be issued each day of operation.

13. Article 310.2(B)10 shall be amended to read as follows:

~~Article 310.2(B) Conductor Material. All~~

All conductor material shall be copper.

16. _____

14. Article 348.10 shall be amended to add the following:

Flexible metal conduit: Type FMC (Greenfield) shall not exceed six feet can be used in enclosed areas with a proper sized equipment grounding conductor in length compliance with Article 250.122.

17. _____

15. Article 358.10(A) shall be amended to add the following:

All exterior electrical wiring shall be enclosed in rigid metal conduit or intermediate metal conduit.

Exceptions:

1. Rigid PVC conduit

1. Interior above slab wiring: All 110-volt and higher voltage conductors shall be enclosed in EMT (Electrical Metallic Tubing), or IMC (Intermediate Metal Conduit) or RMC (Rigid Metal Conduit) installed in accordance with this Code shall be used for interior above slab wiring.

2. Exterior above grade exposed wiring: All exterior above grade exposed wiring shall be enclosed in IMC (Intermediate Metal Conduit) or RMC (Rigid Metal Conduit) and installed in accordance with the Code.

3. Under slab and below grade wiring: Rigid PVC and RTRC (Reinforced Thermo-setting Resin Conduit) or RMC (Rigid Metal Conduit) installed in accordance with this code may be used below grade and under slab wiring.

2. Service Direct burial wiring shall be used for underground service entrance conductors.

18. _____

4. Other raceways and wireways may be permitted by express written approval by the Electrical Inspector.

16. Article 404.2 shall be amended to add the following:

A three-way switch or interior motion sensing switching device or photocell device shall be provided for interior

lighting in all screen rooms, sunrooms, and additions classified as three-season rooms, constructed off an exterior door.

~~Chapter 23, Page 30 4/22/14~~

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~~19.~~

~~17.~~ Article 408.13404.4 shall be amended to add the following:

~~(D) Switches shall be located at least five feet measured horizontally, from the inside walls of a bathtub, whirlpool tub, hot tub, spa, hydro-massage bathtub, tub/shower combination, shower stall or shower enclosure.~~

~~18.~~ Article 406.9(C) shall be amended to add the following:

~~(D) Receptacles shall be located at least six feet measured horizontally, from the inside walls of a bathtub, whirlpool tub, hot tub, spa, hydro-massage bathtub, tub/shower combination, shower stall or shower enclosure.~~

~~19.~~ Article 410.10 shall be amended to add the following:

~~A sub panel of any size shall not be connected to an electric panel less than 100 amperes in size.~~

~~20.~~ Article 410.8 shall be amended to add the following:

~~Not less than one light fixture installed in accordance with this Code~~

~~(G) Ceiling mounted, open or exposed, glass tube fluorescent luminaires shall be provided with fall protection for the light bulbs,~~

~~all clothes closets of any size.~~

~~21.~~

~~20.~~ Article 410.4530(B) (3) shall be amended to add the following:

~~A 5/8 inch by eight-foot copper-clad ground rod shall be provided for all light pole bases; the ground rod shall be properly terminated and accessible from the hand hole.~~

~~22.~~

~~21.~~ Article 422.419G16(B) shall be amended to add the following:

~~(5) All dishwashers and food waste disposals installed in residential occupancies shall be hard-wired and shall be equipped with a disconnect located within sight of the appliance.~~

~~Exception: Appliances equipped with factory-installed power cords.~~

~~23.~~

~~22.~~ Article 700.12.12 IV shall be amended to add the following:

~~Emergency systems shall be properly identified.~~

~~24.~~

~~23.~~ Article 700.16 shall be amended to add the following:

~~Emergency lighting consisting of not less than two lamps shall be provided in all nonresidential non-residential bathrooms, connected to the bathroom lighting circuit.~~

~~25.~~

~~24.~~ Article 760 shall be amended to add the following:

~~Accessible fire alarm cable, conduit, and junction boxes shall be the color red in their entirety.~~

~~26.~~ ~~Delete~~ Requirements for Electrical Contractors:

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~~It shall be unlawful for any person to engage in the following articles and the business of electrical contracting without being a licensed Electrical Contractor. If such person is licensed for the current year in another City or Village within the State of Illinois, in conformity with the State Statutes, such Electrical Contractor shall be required to show proof of such license. The term "Licensed Electrical Contractor" as used in Section shall be understood to mean any person installing or altering electric equipment, methods, for the utilization of electricity supplied for light, heat or power; not including radio apparatus or equipment for wireless reception of sounds and signals, conductors, and/or procedures referred to other equipment installed under the jurisdiction of the Illinois Commerce Commission, for use in their operation as Public Utilities; but the term "Licensed Electrical Contractor" does not include employees of an electrical contractor who perform and supervise work. The Corporate Authorities, by virtue of the Illinois Compiled Statutes, requires candidates for electrical contracting to successfully complete a written examination administered by any Illinois Municipality that administers written examinations,~~

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~~therein, which are prohibited and not approved for installation within the Village:~~

~~Article 80 Administration and Enforcement~~

~~Article 320 Armored Cable~~

~~Article 330 Metal Clad Cable~~

~~Article 332 Mineral Insulated Metal Sheathed Cable~~

~~Article 334 Non-Metallic Sheathed Cable~~

~~Article 338 Service Entrance Cable~~

~~Article 340 Underground Feeder and Branch Circuit Cable~~

~~Article 352.10(A)(E)(F) Rigid Non-Metallic Conduit~~

~~Article 360 Flexible Metallic Tubing~~

~~Chapter~~

~~23, Page 31-4/22, 14~~

~~Article 382 Non-metallic Tubing~~

~~Article 388.2 Surface non-Metallic Raceways~~

~~Article 398 Open Wiring on Insulators~~

~~Article 604 Manufactured Wiring Systems~~

~~23.14 ILLINOIS STATE PLUMBING CODE/20042014~~

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~~The Illinois State Plumbing Code, 20042014 edition, (State of Illinois Plumbing License Law, Plumbers~~

~~Licensing Code and Plumbing Code) ("Plumbing Code") be and the same, is hereby adopted~~

~~by reference and made part of this Section, subject to the modifications set forth herein and shall~~

~~be applicable to the Village. No plumbing work, unless modified by this Chapter, shall be un-~~

~~dertaken~~

~~prior to the issuance of a permit by the Building Commissioner. The application for a permit~~

~~shall be made on forms provided by the Building Commissioner and shall be accompanied~~

~~by the prescribed permit fees as set forth in Appendix B.~~

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~~23.15 MODIFICATIONS TO THE PLUMBING CODE~~

~~The Plumbing Code shall be amended as follows:~~

~~1. Section 890.170(c), Private Water Supply, shall be deleted in its entirety.~~

~~2. Section 890.170 shall be amended to add the following:~~

~~g) Any building connected to the Village public water system that has a private~~

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water supply shall disconnect from its private water supply, abandon, and seal its well in accordance with the requirements as set forth by the applicable County Department of Health.

3. Section 890.320 (k), Bituminized Fiber Pipe Joints, shall be deleted in its entirety.

4. Section 890.320 (I)(1)(2), Plastic Pipe Joints & Fittings in Potable Water, shall be deleted in its entirety.

5. Section 890.310 (1)(3) shall be amended to add the following:

3) Purple primer shall be used on all joints and fittings.

6. Section 890.630 shall be amended to add the following:

h) Plumbing fixtures attached to a wall or penetrating through a wall shall be made watertight by caulking or a factory-supplied gasket where the fixture contacts the wall surface.

7. Section 890.1190(b) shall be amended to read as follows:

The utility meter may be installed outside in an accessible meter vault or within the building. The meter shall have unions on the inlet and outlet openings. A full port valve with an open area at least that of the water service shall be provided on the inlet and outlet side of the meter with a dip valve installed on the discharge side of the meter. (See Appendix Chapter 23, Page 32-4/22/14

I: Illustrations H and I.)

8. Section 890.1200(A) shall be amended to read as follows:

Water Service Pipe Sizing. The water service pipe from the street main (including the tap) to the water distribution system for the building shall be sized in accordance with Appendix A, Tables M, N, O, P, and Q. In no case shall the water service pipe and fittings shall be less than one inch in diameter. If flushometers or other devices requiring a high rate of water flow are used, the water service pipe shall be designed and installed to provide this additional flow.

9. Section 890.1200 shall be amended to add the following:

Section 890.1200(d). The number of separate water taps, the number of separate water services, and the number, location, and arrangement of water meters for multiple dwelling units and/or multiple tenant buildings shall be approved by the Utilities Division of the Public Works Department.

10. Section 890.1210(f)(1) shall be amended to read as follows:

1) Air chambers. An air chamber shall be installed in all fixture supplies and shall be at least 12 inches in length and at least the same size as the fixture supply. An air chamber shall be installed in all risers and shall be at least 24 inches in length and at least the same size as the riser. An air chamber shall be installed at the end of all runs 30 feet or more in length and shall be at least 24 inches in length and at least the same size as the run.

11. Section 890.1320 shall be amended to add the following:

p) Safe Pans. A safe pan shall be installed beneath all clothes washers, water heaters, and water softeners located above the first floor to collect and drain any leakage or discharge. The safe pan shall be connected to the building drainage system.

12. Section 890.1340(b)(4) shall be amended to read as follows:

4) No portion of the drainage system installed underground or below a basement or crawl space, including floor drains, shall be less than three inches in diameter, unless approved by the Plumbing Inspector.

13. Section 890.1360(e) shall be amended to read as follows:

e) Vent sizes. Building sump vents shall be sized in accordance with Appendix

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~~A: Table K. In no case shall the vent size be less than two inches in diameter.~~

~~14. Section 890.1360 shall be amended to add the following:~~

~~h) Ejector Pump and Discharge. The ejector sump shall be at least 30 inches deep. The ejector pump discharge shall be at least two inches in diameter.~~

~~Chapter 23, Page 33 4/22/14~~

~~15. Section 890.1420(e) shall be amended to read as follows:~~

~~e) Building Sub-drain Sump Vent Sizes. Building sub-drain sump vents shall be sized in accordance with Appendix A: Table K. In no case shall the vent size be less than two inches in diameter.~~

~~16. Section 890.1420 shall be amended to add the following:~~

~~f) In the event a drainage system is installed for fixtures that are to be installed at a future date (roughed in), the venting for these fixtures shall be completed in accordance with this chapter and the drains sealed airtight by the use of proper fittings.~~

~~17. Section 890.1440(a) shall be amended to read as follows:~~

~~a) Vent Terminal Size. Each vent extension through the roof shall be a minimum of four inches in diameter and no smaller than the vent which it terminates. Vent terminals shall not be screened.~~

~~18. Section 890, Appendix A, Table A, Approved Building Drainage/Vent Pipe, shall be amended as follows:~~

~~1) Acrylonitrile Butadiene Styrene (ABS) Pipe, delete in its entirety.~~

~~12) Polyvinyl Chloride (PVC) Pipe with Cellular Core, delete in its entirety.~~

~~19. Section 890, Appendix A, Table A, Approved Materials for Building Sewer, shall be amended as follows:~~

~~1) Acrylonitrile Butadiene Styrene (ABS) Pipe, delete in its entirety.~~

~~2) Asbestos Cement Pipe, delete in its entirety.~~

~~3) Bituminized Fiber Pipe, delete in its entirety.~~

~~6) Concrete Pipe, delete in its entirety.~~

~~20. Section 890, Appendix A, Table A, Approved Material for Water Service Pipe, shall be amended as follows:~~

~~1) Acrylonitrile Butadiene Styrene (ABS) Pipe, delete in its entirety.~~

~~2) Brass Pipe, delete in its entirety.~~

~~4) Chlorinated Polyvinyl Chloride (CPVC) Pipe, delete in its entirety.~~

~~5) Copper/Copper Alloy Pipe, add: Type K only; L & M not permitted.~~

~~6) Copper/Copper Alloy Tubing, add: Type K only; L & M not permitted.~~

~~7) Galvanized Steel Pipe, delete in its entirety.~~

~~8) Polybutylene (PB) Pipe/Tubing, delete in its entirety.~~

~~9) Polyethylene (PE) Pipe, delete in its entirety.~~

~~10) Polyethylene (PE) Tubing, delete in its entirety.~~

~~11) Cross Linked Polyethylene (Pex pipe), delete in its entirety.~~

~~12) Polyvinyl Chloride (PVC) Pipe, delete in its entirety.~~

~~Chapter 23, Page 34 4/22/14~~

~~21. Section 890, Appendix A, Table A, Approved Material for Water Distribution Pipe, shall be amended as follows:~~

~~2) Chlorinated Polyvinyl Chloride (CPVC) Pipe/Tubing, delete in its entirety.~~

~~3) Copper/Copper Alloy Pipe, add: Type K & L only; M not permitted.~~

~~4) Copper/Copper Alloy Tubing, add: Type K & L only; M not permitted.~~

~~7) Polybutylene (BP) Pipe/Tubing, delete in its entirety.~~

~~23.16. **INTERNATIONAL ENERGY CONSERVATION CODE/20062018**~~

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5. ~~Section [A] 111.4 Open hearing, shall be deleted in its entirety.~~

6. ~~Section [A] 111.5-Postponed hearing, shall be deleted in its entirety.~~

7. ~~Section [A] 111.6 Board decision, shall be deleted in its entirety.~~

8. ~~Section 302.2 shall be amended to read as follows:~~
~~Chapter 23, Page 36 4/22/14~~

~~**302.2.1 Sump pump and downspout discharge.** The discharge from a sump pump and/or roof drainage downspout shall not discharge directly or indirectly on or over any public street, sidewalk, bike path, or right-of-way; and the outlet of sump pump discharge piping shall not be located within five feet of a property line, shall be orientated to discharge in the direction of the engineered drainage path, and shall not cause standing water on adjacent properties.~~

~~6-~~
9. ~~Section 302.4, 8 inches shall be inserted.~~

~~7-~~
10. ~~Section 302.8 shall be amended to read as follows:~~

~~**302.8 Motor and recreational vehicles.** All motor and recreational vehicles, including but not limited to cars, vans, trucks, construction/excavating/landscape equipment, motorized bikes/motorcycles, boats, watercraft, snowmobiles, campers, aircraft, all-terrain vehicles, and trailers, shall be parked on an approved surface of four inches of concrete over a four-inch compacted gravel base or two inches of asphalt over a six-inch compacted base, or paving bricks designed for motor vehicle traffic, installed in accordance with manufacturer's installation instructions, or completely enclosed in a structure designed and approved for such purpose. Motor vehicles, recreational vehicles, and equipment parked on an approved surface shall be accessible without maneuvering over lawn, grass, curbs, or any unpaved surface. No more than two recreational vehicles shall be visible on a zoning lot. No part of any motor or recreational vehicle, when parked, shall encroach over a public sidewalk or bike path, and in no case shall equipment or a recreational vehicle be parked on public property. No vehicle shall, at any time, be in a state of major disrepair, disassembly, or in the process of being stripped or dismantled.~~

~~**Exception:** A vehicle of any type is permitted to undergo major repair provided that such work is performed inside an enclosed structure designed and approved for such purpose.~~

~~8-~~
11. ~~Section 304.14 shall be amended to insert April 15 to November 1.~~

~~9-~~
~~Section 307.2 shall be amended to read as follows:~~

~~307~~

~~12. ~~Section 307.2 shall be amended to read as follows:~~~~

~~**308.2 Disposal of rubbish.** Every occupant of a structure shall dispose of all rubbish and recycling in a clean and sanitary manner pursuant to Chapter 13 of this Code and by placing such rubbish and items intended for recycling in approved containers and stored in a location with minimal exposure to the public view.~~

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- 1.- Grass clippings
- 2.- Weeds
- 3.- Spent flowers and plants
- 4.- Vine and other soft prunings from the garden
- 5.- House plant trimmings

309

310.2.3 Improper compost material. The following examples are improper composting materials and shall not be permitted:

- 1.- Animal and dairy products
- 2.- Meats
- 3.- Fats, oils and grease
- 4.- Animal feces

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309

310.3 Compost maintenance. Compost piles shall be maintained neatly and not allowed to sprawl. Piles of grass clippings and/or large branches are not considered composting and shall not be permitted.

12.

15. Section 602.3, insert September 15 to May 15.

13.

16. Section 602.4, insert September 15 to May 15.

14.

17. The following section shall be added:

SECTION 801- DRIVEWAYS

801.1 Driveways. All driveways and off-street parking areas shall be paved with a surface of not less than four inches of concrete over a four-inch compacted base course or not less than two inches of asphalt over a six-inch compacted base course or paving bricks designed for motor vehicle traffic, installed in accordance with manufacturer's installation instructions. Gravel driveways and off-street parking areas are not permitted. Any nonconforming gravel driveway or off-street parking area shall be paved in accordance with this code no later than December 1, 2009.

15.

18. The following sections shall be added:

SECTION 802-706 SALT STORAGE

802

706.1 Salt Storage. In the interest of limiting pollution to our environment and waterways and ultimately preventing contamination of our groundwater resources, all properties which store bulk rock salt for winter snow or ice removal operations shall comply with these regulations. Prior to the installation of any salt storage, a permit, which is valid November through April, shall be obtained from the Community Development Department. The permit fee is found in Appendix B of this Code. The permit application shall include the amount of salt to be stored, a site plan that includes the location and dimensions

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of the storage site, as well as any storm sewer drains within 125 feet of the storage site, the amount of salt to be stored, the method by which the salt will be covered and additional measures that will be undertaken to minimize visual impact to public ways and/or adjacent residential uses.

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Properties not in compliance with the salt storage requirements shall be fined pursuant to Appendix B of this Code until the storage is brought into compliance. Those properties containing a salt pile without a valid permit shall be fined pursuant to Appendix B of this Code and required to obtain a permit or remove the salt pile.

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Salt storage shall comply with the following requirements:

1-

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1. The maximum amount of storage allowed shall not exceed four storm events.

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2-

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The salt within the salt storage location shall be covered with a water-resistant tarp or similar protective cover, which shall be adequately secured to prevent damage from wind and/or water at all times.

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3-

3. The location shall be not less than 100 feet from any storm sewer drain.

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4-

4. The location shall be uphill and away from snow piles.

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5-

The location shall be in an area that minimizes visual impact to public ways and/or adjacent residential uses.

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6-

The salt pile and area used for truck loading and unloading shall be diligently swept and maintained free of loose salt and debris at all times. The area shall be kept in a clean, workmanlike manner at all times.

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7-

7. All unused salt and the site shall be cleaned up no later than April 15th.

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23.22-21 ILLINOIS ACCESSIBILITY CODE/19972018

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The Illinois Accessibility Code, effective date April 24, 1997October 23, 2018, (71 Illinois Administrative Code 400) ("Accessibility Code") be and the same, is hereby adopted by reference and made part of this Section and shall be applicable to the Village. In the event of a conflict between the provisions of the Illinois Accessibility Code and the International Building Code, the most restrictive provisions shall apply.

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23.22 INTERNATIONAL SWIMMING POOL AND SPA CODE/2018

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The International Swimming Pool and Spa Code, 2018 edition, (“Swimming Pool and Spa Code”) be and the same, is hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23-23 MODIFICATIONS TO THE SWIMMING POOL AND SPA CODE

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The Swimming Pool and Spa Code shall be amended as follows:

1. Section [A] 101.1 insert Village of Algonquin.
2. Section [A] 108.1 shall be amended to read as follows:

[A] 108.1 Application for appeal. Any person directly affected by a decision of the Code Official or a notice of order issued under this code shall have the right to appeal to the Village Board, providing that a written application for an appeal is filed within 20 days after the day the decision, notice, or order was served. An application for appeal shall be based on a claim that the true intent of this code, or the rules legally adopted thereunder, have been incorrectly interpreted, the provisions of this code do not apply, or the requirements of this code are adequately satisfied by other means.

3. The following sections shall be deleted in their entirety

Section [A] 108.2 Membership of board
Section [A] 108.2.1 Qualifications
Section [A] 108.2.2 Alternate members
Section [A] 108.2.3 Chairman
Section [A] 108.2.4 Disqualification of member
Section [A] 108.2.5 Secretary
Section [A] 108.2.6 Compensation of members
Section [A] 108.3 Notice of meeting
Section [A] 108.4 Open hearing
Section [A] 108.5 Postponed hearing
Section [A] 108.6 Board decision
Section [A] 108.6.1 Resolution
Section [A] 108.6.2 Administration

4. Section 305.5 Onground residential pool structure as a barrier, shall be amended to read as follows:

Onground residential pool structure as a barrier. Where an onground pool structure is used as a barrier, an additional barrier shall be mounted on top of the pool structure. The maximum vertical clearance between the top of the pool and the bottom of the barrier shall be four inches. The minimum vertical height of the barrier above the top of the pool shall be 18 inches and in no case shall the top of barrier be less than 48 inches above grade for the entire perimeter of the pool and comply with the requirements of Section 305.2. Where the barrier is mounted on top of the pool structure and means of access is a ladder or steps:

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1. The ladder or steps shall be designed and manufactured to meet the barrier requirements of Section 305.2; or
2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section 305.2.

23.24 PERMIT FEE SCHEDULE

Permit fees are found in Appendix B of this Code.

23.24-25 KANE COUNTY ROAD IMPROVEMENT IMPACT FEE

All developers of new development in Kane County, as defined in Kane County Ordinance No. 04-22, Kane County Road Improvement Impact Fee Ordinance, are required to submit, with their building permit application, a copy of their receipt of payment reflecting payment of the Kane County Road Improvement Impact Fee.

23.25-26 IDENTIFICATION OF LOCAL BUILDING CODE NOT ADOPTED

Notwithstanding the provisions of 20 ILCS 3918/55, the Village shall not provide the identification of a new building code or amendment thereto, its title and edition, to the State of Illinois Capital Development Board, or its successor, for placement on the Internet through the State of Illinois worldwide website.

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Section 23.23 Permit Fee Schedule

A. The building permit fee for the construction of new buildings, additions and interior build-outs, not including electrical, plumbing, mechanical or other fees required by this Section shall be calculated as follows:

1. Residential, one-family detached & attached

a. With basement or crawlspace:	\$0.84 per square foot of living area; plus \$0.30 per square feet of garage area
b. Without basement or crawlspace:	\$0.72 per square foot of living area; plus \$0.30 per square feet of garage area

2. Non-residential

a. New building:	\$0.99 per square foot
b. Interior build-out in existing building:	\$0.75 per square foot

3. Residential detached garage:

	\$0.30 per square foot of area \$50.00 minimum
--	--

4. The greater of 23.23.A.1, 23.23.A.2, 23.23.A.3 or .75% of the construction cost indicated on the Building Permit Application.

B. Alterations, remodeling or repairs not associated with the construction of new buildings, additions, or interior buildouts, not including electrical, plumbing, mechanical and other fees required by this section shall be calculated as follows:

Residential, one-family detached & attached:	.75% of construction cost \$45.00 minimum.
Non-residential:	.75% of construction cost \$85.00 minimum

C. Permit fee amounts shall be rounded up to the next greater dollar.

Plumbing:

Installation of new plumbing fixture	\$25.00 per fixture; \$45.00 minimum
Replacement of water heater	\$10.00 per unit
Water or sewer connection (new, replacement, repair)	\$75.00
Landscape irrigation	\$0.80 per head; \$90.00 minimum

HVAC:

Installation of new heating equipment	\$100.00 for the first 100,000 BTUs Plus \$25.00 per each additional 100,000 BTUs or fraction thereof
Installation of new cooling equipment	\$100.00 for the first three tons Plus \$25.00 per each additional three tons or fraction thereof.
Installation of new natural gas piping	\$25.00 per gas fired appliance; \$45.00 minimum
Replacement of heating or cooling equipment	\$45.00 per residential appliance; \$95.00 per non-residential appliance.

Installation of new exhaust equipment	\$50.00 for the first 500 CFM Plus \$25.00 each additional 500 CFM or fraction thereof
Commercial kitchen hood & duct	\$200.00 per hood

Electrical

Electric Service (new, replacement, temporary):

0-100 amperes	\$100.00
101-200 amperes	\$175.00
201-400 amperes	\$225.00
401-1,000 amperes	\$275.00
1,001-4,000 amperes	\$400.00
4,001-10,000 amperes	\$550.00
Over 10,000 amperes	\$550.00 plus \$125.00 per each additional 1,000 amperes or fraction thereof.

Electrical installation for new residential detached & attached

0-1,400 square feet of living area	\$225.00 plus electric service
1,402-4,000 square feet of living area	\$450.00 plus electric service
Over 4,000 square feet of living area	\$575.00 plus electric service

Electric installations for new non-residential Buildings, additions, alterations and interior build-outs

	20% of the permit fee as calculated in Section 23.23.A plus electric service. Minimum \$85.00
--	---

Electric installations for residential one-family detached and attached additions and alterations.

	\$0.30 per square feet of area; Minimum \$45.00
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Emergency whole house generator

	\$100.00
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Temporary generator; over 10,000 watts (10kw)

	\$100.00 for each seven days of operation or fraction thereof
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Rooftop Photovoltaic residential one-family installation

	\$100.00
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Rooftop Photovoltaic Non-residential Installation

	Convert total electric generated into amperes; calculate fee in accordance with new Electric Service Section of this Chapter. Minimum \$100.00
--	--

Wind turbine generator, one-family installation

	\$100.00
--	----------

Wind turbine generator, non-residential installation

	Convert total electric generated into amperes; calculate fee in accordance with new Electric Service Section of this Chapter. Minimum \$100.00
--	--

Fire Protection Systems:

Sprinkler system, new installation

1-20 heads	\$210.00
21-100 heads	\$435.00
101-200 heads	\$580.00
201-300 heads	\$665.00
305-500 heads	\$980.00
Over 500 heads	\$980 plus \$1.10 per each additional head

Additions and alterations to existing sprinkler system

	50% of new installation; \$85.00 minimum
--	--

Residential one-family detached & attached sprinkler system

	\$190.00
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Complete fire alarm system, new installation

	\$0.215 per square foot of building area; \$200 minimum
--	---

Partial fire alarm system or alteration of existing alarm system

	\$0.011 per square foot of building area; \$200 minimum
--	---

Commercial hood & duct suppression

	\$200.00 per hood
--	-------------------

Fee for fire protection system reviewed by consultant

	Equal to 10% of the invoiced review fee; \$85.00 minimum
--	--

Plan Examination:

New one-family detached & attached	\$95.00 dwelling unit
Residential one-family addition, alteration, remodeling	10% of the permit fee, calculated per Section 23.23.A.1; \$45.00
Non-residential additions, alterations, remodeling	10% of permit fee, calculated per Section 23.23.A.2; \$85.00 minimum
<i>New buildings:</i>	
1-60,000 cubic feet	\$375
60,001-80,000 cubic feet	\$450
80,001-100,000 cubic feet	\$500
100,001-150,000 cubic feet	\$575
Over 150,000 cubic feet	\$750 + \$7.50 per each additional 10,000 cubic feet or fraction thereof
Mechanical Code review	25% of Building Code review fee; \$95 minimum
Plumbing Code review	25% of Building Code review fee; \$95 minimum

Electrical Code review	50% of Building Code review fee; \$95 minimum
Accessibility Code review	25% of Building Code review fee; \$95 minimum
Building plans reviewed by consultant	Equal to the invoiced review fee plus \$50.00

Miscellaneous:

Certificate of Occupancy, one-family detached & attached	\$75.00 dwelling unit
Certificate of Occupancy, non-residential	\$20.00 per 1,000 square feet of area or fraction thereof; minimum \$100.00
Temporary Certificate of Occupancy, residential one-family	\$100.00 per dwelling unit
Temporary Certificate of Occupancy, non-residential	\$200.00
Christmas Tree sales lot	\$175.00 per season
Deck, gazebo, dock/pier	\$85.00 for the first 150 square feet of area plus \$20 for each additional 150 square feet of area or fraction thereof.
Demolish or relocate entire residential one-family detached structure	\$300.00
Demolish or relocate entire non-residential structure	\$500.00
Limited demolition, residential one-family detached & attached	\$40.00
Limited demolition, non-residential	\$85.00
Elevator, escalator, dumbwaiter	\$300.00 per car or escalator
Biannual elevator inspection	\$75.00
Fence, dog run	\$45.00
Fireplace	\$45.00
Patio (concrete or pavers)	\$45.00
Public walk, private walk, approach, driveway	\$45.00
Roofing, new & re-roof, residential one-family	\$45.00 per dwelling
Roofing, new & re-roof, non-residential	\$1.50 per 100 square feet of roof area or fraction thereof; \$85.00 minimum
Window, door replacement	\$10.00 per window; minimum \$45.00
Storage shed	\$45.00
Shipping container for temporary storage	On site over 14 consecutive days and no more than 90 consecutive days, \$150.00
Hot tub, spa	\$45.00
Storable, temporary swimming pool	\$45.00 per season
On-ground swimming pool	\$150.00
In-ground swimming pool	\$300.00
Telecommunication/data transmission freestanding tower	\$750.00
Telecommunication/data transmission antenna	\$150.00 per antenna
Fuel dispensing tank installation	\$0.11 per gallon capacity of tank; \$150. Minimum
Underground storage tank removal	\$95.00 per tank
Temporary structure	\$150.00 for the first 90 days plus \$50.00 for each additional 30 days or fraction thereof

Special event (fair, carnival, sidewalk/outdoor sales)	\$95.00 per day
Reinspection	\$45.00 per inspection

Permits, miscellaneous	
<i>Permit extension (Note: All requests for a permit extension shall be made in writing.)</i>	
First 6-month extension	25% of permit fee; \$45 minimum
Second 6-month extension	50% of permit fee; \$45 minimum
Third 6-month extension	100% of permit fee; \$45 minimum
Withdrawn permit	In the event a permit application is reviewed, approved and issued, and the work for which the permit was issued has not been started within six months of issuance, the permit shall be voided. If a permit is withdrawn by the applicant or is revoked or voided by the Village, a portion of the permit fee may be refunded pursuant to a written request from the applicant, the plan review portion of the permit shall be retained by the Village and not refunded, and in no case shall the amount retained be less than \$45.
Work performed without a permit	Penalty of 100% of the permit shall be added to the cost of a permit if construction is started without first obtaining an approved permit.

Chapter 29, Sign Code:

	Fee
Section 29.16-B, Permit Fees	
Ground and Freestanding Signs	\$75 base permit fee plus \$2 per square foot of sign face
Wall and Projecting Signs	\$75 per sign
Illuminated Signs	Additional \$60 electrical permit fee per sign
Temporary Signs and Flag Poles	\$40
Section 29.17-E, Confiscated Signs	
Storage	\$25 per sign
Section 29.17-G, Penalties for Erecting Off-Site Subdivision Identification Sign	
Penalty	\$500
Section 29.18, Variations	
Review fee	\$100

Chapter 23
BUILDING CODES

- 23.01 Definitions
- 23.02 International Residential Code/2018 Adopted
- 23.03 Modifications to the Residential Code
- 23.04 International Building Code/2018 Adopted
- 23.05 Modifications to the Building Code
- 23.06 International Fire Code/2018 Adopted
- 23.07 Modifications to the Fire Code
- 23.08 International Mechanical Code/2018 Adopted
- 23.09 Modifications to the Mechanical Code
- 23.10 International Fuel Gas Code/2018 Adopted
- 23.11 Modifications to the Fuel Gas Code
- 23.12 National Electrical Code/2017 Adopted
- 23.13 Modifications to the Electrical Code
- 23.14 Illinois State Plumbing Code/2014 Adopted
- 23.15 International Energy Conservation Code/2018 Adopted
- 23.16 Modifications to the Energy Conservation Code
- 23.17 International Existing Building Code/2018 Adopted
- 23.18 Modification to the Existing Building Code
- 23.19 International Property Maintenance Code/2018 Adopted
- 23.20 Modifications to the Property Maintenance Code
- 23.21 Illinois Accessibility Code/2018 Adopted
- 23.22 International Swimming Pool and Spa Code/2018
- 23.23 Modifications to Swimming Pool and Spa Code
- 23.24 Permit Fee Schedule
- 23.25 Kane County Road Improvement Impact Fee
- 23.26 Identification of Local Building Code Not Adopted

23.01 DEFINITIONS

In addition to those terms defined in Appendix A of this Code, for purposes of this Chapter, any reference to Code Official and Building Official shall mean the Building Commissioner; any reference to a specific chapter, other than Chapter, shall mean the applicable chapter in the applicable building code; and any reference to a code, other than Code, shall mean that particular building code of that section.

23.02 INTERNATIONAL RESIDENTIAL CODE/2018

The International Residential Code, 2018 edition, and appendices B, C, D, F, J and K (“Residential Code”), are hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.03 MODIFICATIONS TO THE RESIDENTIAL CODE

The Residential Code shall be amended as follows:

1. Section R101.1 insert Village of Algonquin.

2. Section R105.1 shall be amended to read as follows:

R105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, replace, repair, including the installation of roof coverings, siding, patios, decks, gazebos, porches, detached accessory buildings or structures, sidewalk, driveways, fences, and swimming pools; retaining walls; use of a shipping container for temporary storage, if on site for more than 14 consecutive days and in no case shall the shipping container be on site for more than 90 consecutive days; move, demolish, or change the occupancy of a building or structure; install or replace any electrical gas, mechanical, or plumbing system, the installation of which is regulated by this Code, or to cause any such work to be done, shall first make application to the Building Official and obtain the required permit(s).

3. Section R105.2 shall be amended to read as follows:

R105.2 Work exempt from permit. Permits shall not be required for the following. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinance of the Village.

Building:

1. Prefabricated swimming pools that are not capable of holding 24 inches (610 mm) or more of water.
2. Retaining walls that are not over two feet (610 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
3. Painting, papering, tiling, carpeting, countertops, and similar finish work.
4. Swings and other playground equipment accessory to a one- or two-family dwelling.
5. Prefabricated storage containers less than 100 cubic feet in volume, accessory to a one- or two-family dwelling, located in the rear yard and outside any easements.

Electrical: No change.

Gas: No change.

Mechanical: No change.

4. Section R105.2.2 Insert new Sections:

R105.2.2.1 Fence Repair. The repair or replacement of up to two (2) fence panel sections and/or three (3) support posts.

R105.2.2.2 Siding and Roof Repair. The repair or replacement of up to an aggregate total of 200 square feet of roofing material or siding material.

5. Section R105.5 shall be amended to add:

The work authorized by permit shall be completed and a final inspection conducted within 180 days after its issuance.

Exceptions: The following work authorized by permit shall be completed and a final inspection conducted within one year after its issuance.

1. Single-family dwellings
2. Two-family dwellings
3. Townhouse dwellings
4. Dwelling unit additions and/or alterations

6. Section R106.1 shall be amended to read as follows:

R106.1 Submittal documents. Construction documents for new single-family dwellings, two-family dwellings, townhouse dwellings, duplex dwellings, additions to dwelling units above the first floor, modifications which alter existing bearing walls or beams, modifications which alter the existing roof of a dwelling unit, retaining walls that are five (5) feet in height or taller measured from the footing to the top of the wall, unless supporting a surcharge and alterations, repairs, expansion, additions, and/or modifications to a dwelling unit of a substantial scope as determined by the Building Official shall be sealed and signed by an Illinois licensed architect or structural engineer.

7. Section R106.2 shall be amended to read as follows:

R106.2 Site plan. The construction documents submitted with the permit application shall be accompanied by a plat of survey prepared by an Illinois licensed professional engineer or land surveyor showing the size and location of new construction, existing structures, any floodplain or wetland areas, and easements on the site and distances from lot lines. A plat of survey submitted for the construction of a new single-family, two-family, duplex, or townhouse dwelling shall specify the top of foundation elevation proposed for the building based on the approved engineering plan for the subdivision in which the building will be located. In the event there is not an approved engineering plan for the subdivision in which the building will be located, the proposed top of foundation elevation shall be determined using best engineering practices.

8. Section R106.2.1 shall be amended to add the following:

R106.2.1 As-built plan. An as-built survey prepared by an Illinois licensed professional engineer or land surveyor shall be completed after the foundation for a single-family dwelling, two-family dwelling, duplex, or townhouse dwelling has been placed and submitted to the Village for review and approval. The as-built survey shall show the location of the foundation, distances from property lines, the proposed top of foundation elevation, and the actual top of foundation elevation. Construction past the first floor deck shall not continue until the as-built survey has been reviewed and approved by the Building Official.

9. Add a new Section R106.2.2, which shall read as follows:

R106.2.2 Final as-built & grading plan. A final as-built survey and grading plan prepared by an Illinois licensed professional engineer or land surveyor shall be completed after the construction of a single-family, two-family, duplex, or townhouse dwelling has been completed. The survey shall be submitted to the Village for review and approval prior to the issuance of a Certificate of Occupancy. The final as-built and grading plan shall indicate the location of all construction, site improvements, and final grading on the lot.

10. Section R112 shall be amended to read as follows:

112.1 General. In order to hear and decide appeals of orders, decisions, or determinations made by the Building Official relative to the application and interpretation of this code, an appeal may be made to the Village Board.

11. New Section R115 shall be added, to read as follows:

R115 SITE REQUIREMENTS

R115.1 Construction site access. Access to construction sites and lots shall be by means of a paved roadway(s) capable of supporting a vehicle weighing at least 85,000 pounds.

R115.2 Street identification. All streets and roadways leading to construction site(s) shall be identified by their name, on signs clearly visible from the right-of-way with characters not less than three inches in height.

R115.3 Lot identification. All construction sites and lots shall be identified by their address, on signs clearly visible from the right-of-way with numbers and letters not less than three inches in height. Once a structure is in place, the address shall be applied legibly to the portion of the structure that faces the right-of-way and remain in place throughout the construction process.

R115.4 Roadway maintenance. All roadways, streets, sidewalks, and bike paths shall remain free of mud/dirt and debris at all time.

R115.5 Construction driveways. The designated areas for driveways shall, at a minimum, be gravel or crushed stone from the back of the curb or end of the paved right-of-way up to the structure.

R115.6 Sanitation facilities. Approved portable sanitation facilities in sufficient quantities shall be provided and maintained on construction sites and located within 200 feet of construction activity.

12. Section R202: The following definition shall be added:

DUPLEX (TWO-FAMILY DWELLING). A building not more than three stories in height, consisting of two attached single-family dwelling units in which each unit extends from foundation to roof. Each unit has a separate means of egress and each unit has open space on three sides.

13. Table R301.2(1), insert the following:

Ground Snow Load	30 pounds per square foot
Wind Speed (three second gust)	115
Topographic effects	No
Special Wind Region	No
Windborne Debris Zone	No
Seismic Design Category	B
Weathering	Severe
Frost Line Depth	42 inches minimum below grade
Termite	Moderate
Winter Design Temperature	-4 degrees Fahrenheit
Ice Barrier Underlayment Required	Yes
Flood Hazards	reference Flood Insurance Rate Map for Algonquin 11/16/2006 & Chapter 44
Air Freezing Index	1745
Mean Annual Temperature	47.8 degrees Fahrenheit
Elevation	700
Latitude	42.251264
Winter Heating	-4 degrees Fahrenheit
Summer Cooling	89 degrees Fahrenheit
Altitude correction factor	0.0
Indoor design temperature	72 degrees Fahrenheit
Heating temperature difference	76 degrees Fahrenheit [72-(-4)]
Cooling temperature difference	14 degrees Fahrenheit [89-75]
Wind velocity heating	8.4 miles per hour
Wind velocity cooling	5.7 miles per hour
Coincident wet bulb	74 degrees Fahrenheit
Daily range	M
Winter humidity	30%
Summer Humidity	50%

14. Table R301.5: Substitute the following line items:

USE	LIVE LOAD
Sleeping rooms	40

15. Table R301.7: Substitute the following line item:

STRUCTURAL MEMBER	ALLOWABLE DEFLECTION
Floors	L/480

16. Section R302.5.1 shall be amended to add the following:

Doors shall have a net clear opening of not less than 34 inches.

17. Section R302.6 shall be amended to read as follows:

R302.6 Dwelling-garage fire separation. All garages attached to a dwelling shall have 5/8-inch Type X gypsum board or equivalent applied to all walls and ceilings. Attachment

of gypsum board shall comply with Table R702.3.5.

18. Add a new Section R309.6, which shall read as follows:

R309.6 Garage exit. Not less than one exit conforming to Section R311 shall be provided from any attached or detached garage.

19. Section R311.2 shall be amended to read as follows:

R311.2 Egress door. Not less than two egress doors shall be provided for each dwelling unit. One egress door shall be side-hinged and shall provide a clear width of not less than 32 inches (813 mm) where measured between the face of the door and the stop, with the door open 90 degrees. The clear height of the door opening shall be not less than 78 inches (1981 mm) in height measured from the top of the threshold to the bottom of the stop. The second required egress door may be a sliding type door, with a net clear opening of not less than 32 inches. Other doors shall not be required to comply with these minimum dimensions. Egress doors shall be readily openable from the inside the dwelling without the use of a key or special knowledge or effort.

20. **Section R313.2 One- and two-family dwellings automatic fire sprinkler systems.** Shall be deleted in its entirety.

21. Section R401 shall be amended to read as follows:

R401.4. A soil test shall be conducted to determine the soil's characteristics in the ultimate bearing strata prior to the placement of footings for all one-family, duplex, two-family, and townhouse dwellings. Additionally, in areas likely to have expansive, compressive, shifting, or other unknown soil characteristics, a soil test shall be conducted prior to the placement of footings for additions to dwellings or detached accessory structures. These tests shall be made by an approved agency using an approved method. A copy of the soil report shall be submitted to the Community Development Department prior to the approval of the footing inspection.

22. Chapter 4: All references to wood foundations and rubble stone masonry foundations shall be deleted.

23. Section 403.1 shall be amended to read as follows:

R403.1 General. All exterior walls for one-family, duplex, two-family, and townhouse dwellings and additions to dwelling units shall be supported in their entirety on a continuous concrete spread footing and foundation of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill. Concrete footing shall be designed and constructed in accordance with the provisions of Section R403 or in accordance with ACI 332. Any structure attached to a dwelling unit containing any glazing including but not limited to glass, Lexan, Plexiglas, plastic, or other similar material shall be considered an addition and shall conform to the requirements of this Chapter.

Exceptions:

1. Exterior walls for one-family, duplex, two-family, and townhouse dwellings, additions to dwelling units, and dwelling unit separation wall assemblies may be supported in their entirety on a continuous concrete bank poured (trench) foundation not less than 16 inches in width, with the base of the foundation placed at or below the frost line.
 2. Single-story additions to a dwelling unit with a total area of 400 square feet or less may be supported by a continuous concrete bank poured (trench) foundation not less than 12 inches in width, with the base of the foundation placed at or below the frost line with 24-inch #5 reinforcing bars doveled six inches into the existing foundation, 12 inches on center vertically, where the foundation for the addition abuts the existing foundation.
 3. Exterior stairs having three or more risers shall have stringers pressure treated to prevent decay and shall be supported by solid concrete piers not less than eight inches in diameter with the base of the pier placed at or below the frost line.
24. Section R403.1.1, Minimum size, shall be amended to add the following:
- In no case shall the footing size be less than 16 inches in width and less than eight inches in thickness.
25. Section R404.1.3, Concrete foundation walls, shall be amended to add the following:
- All foundation walls with a basement shall have not less than two continuous #4 reinforcing bars tied in place within 12 inches of the top and bottom of the wall and no splices shall be made within 18 inches of a corner.
26. Section R404.1.5 shall be amended to add the following:
- In no case shall the foundation wall thickness be less than eight inches.
27. Section 405.2.3, Drainage system, shall be amended to add the following:
- All basement window wells shall be provided with drainage consisting of a vertical drain pipe connected to the foundation drainage system with an approved "T"-type connector.
28. Section R407.3, Structural requirements, shall be amended to add the following:
- The amount of exposed loose shims used to support a column or girder shall not exceed one inch in height.
29. Section R408.6, Finish grade, shall be amended to add the following:
- The under-floor grade within a crawl space shall be covered with an approved vapor barrier and a slush-coat of concrete not less than two inches thick.

30. Section R502.3.1 shall be amended to read as follows and delete Table R502.3.1(1):
31. **R502.3.1 Sleeping areas and attic joists.** Table R502.3.1(2) shall be used to determine the maximum allowable span of floor joists that support sleeping areas and attics that are accessed by means of a fixed stairway in accordance with Section R311.5, provided that the design live load does not exceed 40 psf and the design dead load does not exceed 20 psf. The allowable span of ceiling joists that support attics used for limited or no storage shall be determined in accordance with Section R802.5.
32. **Section R504 Pressure Preservative-Treated Wood Floors (On Ground)** Shall be deleted in its entirety.
33. Section R506.2.2 shall be amended to read as follows and add Section R506.2.2.1:
- R506.2.2 Base.** A base course not less than four inches thick consisting of a compactible gravel aggregate, such as CA-6 or equivalent, shall be placed on the prepared sub-grade of any slab on grade, not confined on all edges by a footing, foundation, or other permanent structure, and compacted to not less than 95 percent modified proctor density. Any slab on grade confined on all edges may use a four-inch minimum base course of clean graded sand, gravel, crushed stone, or washed stone.
34. **R506.2.2.1 Slab reinforcement.** Two continuous #4 reinforcing bars shall be placed mid-slab the entire length of all service walks and doweled six inches into abutting stoops. Two continuous #4 reinforcing bars shall be placed mid-slab in any portion of a public walk which crosses over a backfilled excavation. Six-inch by six-inch #10 welded wire fabric shall be placed in the top one-third of all basement slabs, garage slabs, concrete driveways, and concrete patios with more than 100 square feet of total area. Fiber reinforced concrete, with fiber content of not less than 1.5 pounds per cubic yard (0.9 kg per cubic meter) of concrete may be used in place of welded wire fabric.
35. Section R506.2.3, Vapor retarder, Exception 1, shall be amended to read as follows:
- Exception:** 1. From detached garages, detached utility buildings, and other detached unheated accessory structures.
36. Section R507.3 shall be amended to read as follows:
- Section 507.3 Piers.** Decks shall be supported on top of concrete piers. Deck piers shall be sized to carry the imposed loads from the deck structure to the ground. The base of the concrete pier shall be at a depth in accordance with Section R403.1.4.
Delete Figure R507.3 Deck Posts to Deck Footing Connection.
Delete Exception.
37. Section R507.3.1 shall be amended to read as follows:

R507.3.1 Minimum size. The minimum size of a concrete pier shall be not less than 12 inches (305 mm) in diameter.

Delete Table R401.4.1 Minimum Footing size for Decks.

38. Section R507.3.2. Delete Exceptions

39. Table R507.4 Deck Post Height. Replace maximum heights with the following:

Deck Post Size	Maximum Height
4 x 4	6 Feet
4 x 6	8 Feet
6 x6	10 Feet
8 x8	14 Feet

40. Section R507.4.1 shall be amended to read as follows:

R507.4.1 Deck post to deck pier connection. Deck posts shall bear on the center of the concrete piers. The attachment of the deck post to the concrete pier shall be made by approved manufactured connectors to provide lateral and uplift restraint.

Delete Exception.

41. Section R703.1 Exterior covering general, shall be amended to add the following:

Any enclosed, attached, or detached accessory structure constructed of canvas, nylon, plastic, or other pliable material supported by air, cables, tubing, metal, or wood framework shall be prohibited. The provisions of this Section shall not apply to awnings or canopies which provide weather protection or decoration.

42. Section R801.3, Roof drainage, shall be amended to read as follows:

R801.3 Roof drainage. All dwellings shall have a controlled method of water disposal from roofs that will collect and discharge all roof drainage to the ground surface at least two feet from foundation walls or to an approved drainage system. Upper roof surfaces shall not be permitted to discharge onto lower roof surfaces. In areas where expansive or collapsible soils are known to exist, all dwellings shall have a controlled method of water disposal from roofs that will collect and discharge drainage to the ground surface at least five feet from foundation walls or to an approved drainage system.

43. The following chapters shall be deleted in their entirety:

- Chapter 25, Plumbing Administration
- Chapter 26, General Plumbing Requirements
- Chapter 27, Plumbing Fixtures
- Chapter 28, Water Heaters
- Chapter 29, Water Supply and Distribution
- Chapter 30, Sanitary Drainage
- Chapter 31, Vents

Chapter 32, Traps
Chapter 34, Electrical General Requirements
Chapter 35, Electrical Definitions
Chapter 36, Services
Chapter 37, Branch Circuits and Feeder Requirements
Chapter 38, Wiring Methods
Chapter 39, Power and Lighting Distribution
Chapter 40, Devices and Luminaries
Chapter 41, Appliance Installation
Chapter 42, Swimming Pools
Chapter 43, Class2 Remote-Control, Signaling and Power-Limiting Circuits

44. All plumbing installations, materials, and fixtures shall comply with the Illinois Plumbing Code, 2014 edition, promulgated by the Illinois Department of Public Health.
45. All electrical installations, materials, fixtures, and devices shall comply with the National Electrical Code, 2017 edition, promulgated by the National Fire Protection Association, as amended by the Village.

23.04 **INTERNATIONAL BUILDING CODE/2018**

The International Building Code, 2018 edition, (“Building Code”) is hereby adopted by reference and made part of this Section, subject to the modifications set forth herein, and shall be applicable to the Village.

23.05 **MODIFICATIONS TO THE BUILDING CODE**

The Building Code shall be amended as follows:

1. Section [A] 101.1, insert: Village of Algonquin
2. Section [A] 101.4.4 shall be amended to read as follows:

[A] 101.4.4 Plumbing. The provisions of the Illinois State Plumbing Code, 2014 edition, shall apply to the installation, alteration, repair, and replacement of plumbing systems, including equipment, appliances, fixtures, fittings, and appurtenances.

3. Section [A] 101.4. Add new Section:

[A] 104.4.8 Electrical. The provisions of the National Electrical Code, 2017 edition, promulgated by the National Fire Protection Association, as amended by the Village shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

4. Section [A] 105.1, Required, shall be amended to read as follows:

[A] 105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure; or to erect, install, enlarge, alter, repair, remove, convert, or replace any electrical, gas, mechanical, plumbing, or fire protection system; the installation of communication towers or antennas; the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the Building Official and obtain the required permit.

5. Section [A] 107.3, Examination of documents, shall be amended to read as follows:

[A] 107.3 Examination of documents. The Building Official shall examine or cause to be examined the accompanying construction documents and fire protection shop drawings and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of this Code and other pertinent laws or ordinances. The Building Official is authorized to submit the construction documents and fire protection shop drawings to a third-party plan review agency chosen by the Building Official. The property owner or owner's agent shall be responsible for the reimbursement to the Village of all fees associated with the review of documents by any third-party plan review agency, and all fees shall be paid in full prior to the issuance of the permit.

6. Section [A] 110.4, Inspection agencies, shall be amended to read as follows:

[A] 110.4 Inspection agencies. The Building Official is authorized to accept reports of approved inspection agencies, provided such agencies satisfy the requirements as to qualifications and reliability. The Building Official is authorized to engage a third-party inspection agency for inspections of a technical nature in addition to the inspections required in Section 1704. The property owner or the owner's agent shall be responsible for the reimbursement to the Village of all fees associated with inspections conducted by any third-party inspection agency and shall be paid in full prior to the issuance of a Certificate of Occupancy.

7. Section [A] General, 113.1 shall be amended to read as follows:

[A] 113.1 General. In order to hear and decide appeals of order, decisions, or determinations made by the Building Official relative to the application and interpretation of this code, an appeal may be made to the Village Board.

8. Section [A] 113.3, Qualifications, shall be deleted in its entirety.

9. Section 310.3, Residential Group R-2, shall be amended to add the following:

Buildings with more than two dwelling units where any portion of any individual dwelling unit does not extend from the foundation to the roof, regardless of egress arrangement, shall be classified as R-2.

10. Section 310.4, Residential Group R-3, shall be amended to add the following:

Buildings with not more than two dwelling units where any portion of any individual dwelling unit does not extend from the foundation to the roof, regardless of egress arrangement, shall be classified as R-3.

11. Section [F] 903.2 shall be amended to read as follows:

[F] 903.2 Where required. An approved automatic sprinkler system shall be provided throughout all new buildings and structures regardless of Group or fire area and in locations described in the Section.

Delete Exception.

12. Section [F] 903.2.1 shall be amended to read as follows:

[F] 903.2.1. Group A. An automatic sprinkler system shall be provided for in Group A-1 occupancies.

13. Section [F] 903.2.1.1 shall be amended to read as follows:

[F] 903.2.1.1 Group A-1. An automatic sprinkler system shall be provided for in Group A-1 occupancies.

14. Section [F] 903.2.1.2 shall be amended to read as follows:

[F] 903.2.1.2 Group A-2. An automatic sprinkler system shall be provided for in Group A-2 occupancies.

15. Section [F] 903.2.1.3 shall be amended to read as follows:

[F] 903.2.1.3 Group A-3. An automatic sprinkler system shall be provided for in Group A-3 occupancies.

Exception: Areas used exclusively as participant sports areas where the main floor area is located at the same level as exit discharge of the main entrance and exit.

16. Section [F] 903.2.1.4 shall be amended to read as follows:

[F] 903.2.1.4 Group A-4. An automatic sprinkler system shall be provided for in Group A-4 occupancies.

Exception: Areas used exclusively as participant sports areas where the main floor is located at the same level as exit discharge of the main entrance and exit.

17. Section [F] 903.2.1.5 shall be amended to read as follows:

[F] 903.2.1.5 Group A-5. An automatic sprinkler system shall be provided in all Group A-5 occupancies in the following areas: concession stands, retail areas, press boxes, and all other accessory use areas.

18. Section [F] 903.2.2 shall be amended to read as follows:

[F] 903.2.2 Ambulatory care facilities. An automatic sprinkler system shall be provided

in any area containing an ambulatory care facility.

19. Section [F] 903.2.3 shall be amended to read as follows:

[F] 903.2.3 Group E. An automatic sprinkler system shall be provided throughout all buildings containing a Group E occupancy.

20. Section [F] 903.2.4 shall be amended to read as follows:

[F] 903.2.4 Group F-1. An automatic sprinkler system shall be provided throughout all buildings containing a F-1 occupancy.

21. Section [F] 903.2.4.1 shall be amended to read as follows:

[F] 903.2.4.1 Woodworking operations. An automatic sprinkler system shall be provided throughout all Group F-1 occupancies that contain woodworking operations.

22. Section [F] 903.2.5.3 shall be amended to read as follows:

23. **[F] 903.2.5.3 Pyroxylin plastics.** An automatic sprinkler system shall be provided throughout buildings where cellulose nitrate film or pyroxylin plastics are manufactured, stored, or handled.

24. Section [F] 903.2.6
Delete exceptions.

25. Section [F] 903.2.7 shall be amended to read as follows:

[F] 903.2.7 Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy.

26. Section [F] 903.2.9 shall be amended to read as follows:

[F] 903.2.9 Group S-1. An automatic sprinkler system shall be provided throughout buildings containing a Group S-1 occupancy.

27. Section [F] 903.2.9.1 shall be amended to read as follows:

[F] 903.2.9.1 Repair garages. An automatic sprinkler system shall be provided throughout buildings used as repair garages in accordance with Section 406.

28. Section [F] 903.2.9.2 shall be amended to read as follows:

[F] 903.2.9.2 Bulk storage of tires. Buildings and structures used for the storage of tires

shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1

29. Section [F] 903.2.10.1 shall be amended to read as follows:

[F] 903.2.10.1 Commercial parking garages. An automatic sprinkler system shall be provided throughout buildings used for the storage of commercial motor vehicles.

30. Section [F] 903.2.11.1 shall be amended to read as follows:

[F] 903.2.11.1 Stories without openings. An automatic sprinkler system shall be installed throughout every story or basement of all buildings.

31. Section [F] 903.2.11.3, Buildings over 55 feet in height, delete exceptions.

32. Section 903 shall be amended to add the following section:

[F] 903.2.13 Group B. An automatic sprinkler system shall be provided throughout buildings containing a Group B occupancy.

33. Section 903 shall be amended to add the following section:

[F] 903.2.14 Group F-2. An automatic sprinkler system shall be provided throughout buildings containing a Group F-2 occupancy.

34. Section 903 shall be amended to add the following sections:

[F] 903.2.15 Group U. An automatic sprinkler system shall be provided throughout buildings containing a Group U occupancy.

[F] 603.2.16 Discontinuation of use. An automatic sprinkler system shall be provided throughout a building containing any occupancy specified in Section 903 that has been unoccupied for more than 365 consecutive days.

[F] 603.2.17 Substantial improvement. An automatic sprinkler system shall be provided throughout a building containing any occupancy specified in Section 903 when the building or structure is substantially improved. Substantial improvement is defined when any repair, reconstruction, rehabilitation, addition or improvement of a building or structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the improvement or repair is started.

35. Section [F] 903.3.1.1, Exempt locations, delete 2, 3, and 4.

36. Section [F] 903.3.5, Water supplies, shall be amended to read as follows:

[F] 903.5 Water Supplies. Water supplies for automatic sprinkler systems shall comply with this Section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of the Illinois Plumbing Code. A minimum 10% but less than 5 pounds per square inch safety factor shall

be provided in the fire protection system hydraulic calculations. The system demand shall be a minimum of 5 pounds per square inch below the seasonal low water flow test supply. Hydrant water flow data used for the design of any sprinkler system shall be no more than one year old.

37. Section [F] 903.3.6, Hose threads, shall be amended to add the following sections:

[F] 903.3.6.1 Algonquin–Lake in the Hills Fire Protection District. The fire department connection on buildings constructed within the Algonquin-Lake in the Hills Fire Protection District shall be based on the fire protection system demand as follows:

1. 400–999 GPM: One four-inch locking Storz FDC with cap.
2. Greater than 1000 GPM: Two four-inch locking Storz FDC’s with caps. The FDC’s shall be remotely located on the building.

[F] 903.3.6.2 Huntley Fire Protection District. The fire department connection on buildings constructed within the Huntley Fire Protection District shall be a single five-inch locking Storz FDC with cap.

[F] 903.3.6.3 Carpentersville Fire Protection District. The fire department connection on buildings constructed within the Carpentersville Fire Protection District shall be one 2.5-inch x 2.5-inch x 4-inch NST double-clappered Siamese FDC and one four-inch locking Storz FDC with a check valve in the piping between the connections.

[F] 903.3.7 Fire Department Connections. Fire department connections shall be visible and unobstructed on a street front, parking lot, fire lane, or other accessible location approved by the Building Official and appropriate fire protection district. A fire hydrant shall be located within 100 feet of fire department connections. A blue weatherproof 75-candela exterior strobe light shall be installed on the exterior of the building above each fire department connection and shall be activated by water flow only.

38. Section 903 shall be amended to add the following section:

[F] 903.3.9 Fire pump test header. An outside test header shall be provided on all fire pump installations. An OS&Y control valve with a tamper switch shall be provided on all fire pump test headers.

39. Section 903 shall be amended to add the following section:

[F] 903.3.10 Riser check valve. Provide a check valve in each sprinkler riser.

40. Section 903 shall be amended to add the following section:

[F] 903.3.11 Hydraulic placard information. A reproduction of each hydraulic placard shall be included on the design drawings near the corresponding hydraulically calculated area.

41. Section 903 shall be amended to add the following section:

[F] 903.3.12 Sprinkler room access. Where fire sprinkler risers or fire pumps are located in a separate room, a minimum of a 36-inch side-swinging door complying with Section 715.4 shall be installed to provide direct access into the room from inside and outside of the building. Where the fire sprinkler risers are not located in a separate room, a minimum of a 36-inch side-swinging door complying with Section 715.4 shall be installed in an exterior wall, in an approved location, to provide access to the vicinity of the sprinkler risers from the outside of the building. A sign shall be provided on the exterior of the door(s) with minimum four-inch high letters stating, “SPRINKLER CONTROL VALVES” and/or “FIRE PUMP ROOM,” as applicable.

42. Section [F] 903.4.2 shall be amended to read as follows:

[F] 903.4.2 Alarms. A fire alarm shall monitor all automatic sprinkler systems. Approved audible and visual devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Actuation of the automatic sprinkler system shall actuate the building fire alarm system flow alarm, sprinkler bells, and water flow indicating appliances over the fire protection district direct connection. Visual alarm devices shall be arranged so the flashing light beam can be seen at the required level of intensity from all common use areas. Visual alarm appliances shall be provided as directed in Section [F] 907.5.2.3 and in restrooms. Audible alarms shall be arranged so the alarm can be heard in all areas of the building.

43. Section [F] 903.4.3 shall be amended to read as follows:

[F] 903.4.3 Floor control valves. Approved, supervised indicating floor control valves with water flow switches shall be provided at the point of connection to the riser on each floor in multiple story buildings, including all floor levels below grade.

44. Section [F] 903 shall be amended to add the following section:

[F] 903.6. Yard Hydrants. Fire hydrants shall be provided around the perimeter of a building in 300 feet increments.

45. Section [F] 905.3 shall be amended as follows:

[F] 905.3 Required Installations. Class I standpipe systems shall be installed where required by Sections 905.3.1 through 905.3.7 and in locations indicated in Sections 905.4. Standpipe systems are permitted to be combined with automatic sprinkler systems unless otherwise noted. Exception: Standpipe systems are not required in buildings and structures regulated by the International Residential Code in accordance with Section 101.2, Exception 1.

46. Section [F] 905.301 shall be amended as follows:

[F] 905.3.1 Height. Class I standpipe systems shall be installed throughout all buildings and portions of buildings: 1. With more than two stories above the lowest level of fire de-

partment vehicle access. 2. With more than two stories below the highest level of fire department vehicle access. 3. Where there is a floor level located more than 30 feet above the lowest level of fire department vehicle access, including mezzanines. 4. Where there is a floor level located more than 30 feet below the highest level of fire department vehicle access, including mezzanines. 5. Where any portion of the building floor area, including mezzanines, is more than 400 feet of travel from the nearest point of fire department vehicle access.

47. Section [F] 905.3 shall be amended to add the following Section:

Section [F] 905.3.9 High-piled combustible storage. Buildings or portions of buildings with high-piled combustible storage shall be equipped with a Class I automatic wet standpipe system. Standpipe hose connections shall be located in high-piled combustible storage areas where storage exceeds 12 feet in height. Hose connections shall be located at each door to the high-piled combustible storage area. Where the travel distance between hose connections exceeds 200 feet, the Building Official is authorized to require additional hose connections be provided in approved locations. The standpipe system shall be: 1. A separate riser piping system. 2. Hydraulically calculated for a minimum of 250 gallons per minute at 75 pounds Chapter 23, Page 19 4/22/14 per square inch to the most hydraulically remote fire hose valve. 3. Where system pressures exceed 100 pounds per square inch, a reduced pressure field-adjustable type hose valve shall be provided.

48. Section [F] 905.4 shall be amended to add:

7. In Group A-1 and A-2 occupancies with occupant loads of more than 1,000, hose connections shall be located on each side of any stage, on each side of the rear of the auditorium, on each side of the balcony, and on each tier of dressing rooms.

49. Section [F] 905.4 shall be amended to add the following to the list of locations of Class I standpipe hose connections:

7. In Group A-1 and A-2 occupancies with occupant loads of more than 1,000, hose connections shall be located on each side of any stage, on each side of the rear of the auditorium, on each side of the balcony, and on each tier of dressing rooms.

50. Section [F] 905.4 shall be amended to add the following section:

[F] 905.4.3 Hose connection threads. Each Class I standpipe hose connection shall be equipped with a 2.5-inch NST male hose valve, with a removable 2.5-inch female to 1.5-inch male adapter, which shall be permanently chained to the hose connection.

51. **Section [F] 905.5 Locations of Class II standpipe hose connections.** Shall be deleted in its entirety.

52. **Section [F] 905.6 Location of Class III standpipe hose connections.** Shall be deleted in its entirety.

53. Section [F] 907.1.3, Equipment, shall be amended to read as follows:

[F] 907.1.3. Equipment. All fire alarm systems shall be of the addressable type. Systems

and their components shall be listed and approved for the purpose for which they are installed.

54. Section [F] 907.2, Where required, shall be amended to read as follows:

[F] 907.2 Where required. An approved manual, automatic, or manual and automatic fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in accordance with Section 907.2.1 through 907.2.23, as amended, and provide occupant notification in accordance with Section 907.9. An approved manual fire alarm system shall be provided in all Groups. An approved automatic fire detection system installed in accordance with NFPA 72 shall be provided in all non-sprinklered Groups. Where automatic sprinkler protection, installed in accordance with Section 903.1.1 or 903.1.2, is provided and connected to the building fire alarm system, automatic heat detection required by this Section shall not be required. Devices, combinations of devices, appliances, and equipment shall comply with Section 907.1.2. The automatic fire detectors shall be smoke detectors, except that an approved alternative type of detector shall be installed in spaces such as boiler rooms where, during normal operation, products of combustion are present in sufficient quantity to activate a smoke detector. All fire alarm control panels of full function annunciator panels shall be installed within 10 feet of the main entrance or in a location approved by the fire protection district.

55. Section [F] 907.2.1, Group A, delete the exception.

56. Section [F] 907.2.2, Group B, delete the exception.

57. Section [F] 907.2.3, Group E, delete exception 2.

58. Section [F] 907.2.4, Group F, delete the exception.

59. Section [F] 907.2.7, Group M, delete exception 2.

60. Section [F] 907.2.8.1, Manual fire alarm system, shall be amended to read as follows:

[F] 907.2.8.1 Manual fire alarm system. A manual fire alarm system shall be installed in accordance with NFPA 72 in all Group R-1 occupancies.

Delete Exceptions 1 and 2.

61. Section [F] 907.2.9, Group R-2, shall be amended to read as follows:

[F] 907.2.9.1 Group R-2. A manual fire alarm system shall be installed in accordance with NFPA 72 in all Group R-2 common areas. An automatic fire detection system shall be installed in accordance with NFPA 72 in all Group R-2 common areas.

Delete Exceptions 1, 2, and 3

62. Section [F] 907.2.12, High-rise buildings, all exceptions shall be deleted.

63. Section [F] 907.6.4, Zones, shall be amended to read as follows:
64. **[F] 907.6.4 Zones.** Each floor shall be zoned separately and a zone shall not exceed 22,500 square feet. The length of any zone shall not exceed 300 feet in any direction. Multi-tenant buildings shall ring by tenant space.
65. Chapter 29, Plumbing Systems and the Illinois State Plumbing Code shall govern the erection, installation, alterations, repairs, relocation, replacement, addition to, use, or maintenance of plumbing equipment and systems. Plumbing systems and equipment shall be constructed, installed, and maintained in accordance with the Illinois State Plumbing Code.

23.06 **INTERNATIONAL FIRE CODE/2018**

The International Fire Code, 2018 edition, and appendices B, C, and D, (“Fire Code”), be and the same are hereby adopted by reference and made a part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.07 **MODIFICATIONS TO THE FIRE CODE**

The Fire Code shall be amended as follows:

1. For the purpose of this code, any Fire Code sections repeated within the International Building Code and modified therein shall also be considered modified accordingly within the Fire Code.
2. Section 101.1, insert Village of Algonquin.
3. Section 109.1 shall be amended to read as follows:
109.1 Board of appeals established. In order to hear and decide appeals of order, decisions, or determinations made by the fire code/building code official relative to the application and interpretation of this code, an appeal may be made to the Village Board.
4. Section 109.3, Qualifications, shall be deleted in its entirety.
5. Open Burning and Recreational Fires shall be deleted in its entirety (refer to Section 43.08 of the Village of Algonquin Municipal Code)

23.08 **INTERNATIONAL MECHANICAL CODE/2018**

The International Mechanical Code, 2018 edition, (“Mechanical Code”) be and the same is hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.09 **MODIFICATIONS TO THE MECHANICAL CODE**

The Mechanical Code shall be amended as follows:

1. Section [A] 101.1, insert Village of Algonquin.

2. Section [A] 106.5.2, insert Appendix B of the Village of Algonquin Municipal Code.

3. Section [A]106.5.3 shall be amended to read as follows:

[A] 106.5.3 Fee refunds. Refunds for mechanical permits shall be in accordance with Appendix B of the Village of Algonquin Municipal Code

4. Section [A] 108.4, insert Appendix B of the Village of Algonquin Municipal Code.

5. Section [A] 108.5, insert Appendix B of the Village of Algonquin Municipal Code.

6. Section [A] 109.1 shall be amended to read as follows:

[A] 109.1 Application of appeal. A person shall have the right to appeal a decision of the Code Official to the Village Board. An appeal shall be based on a claim that the intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good or better form of construction is proposed.

7. The following sections shall be deleted in their entirety:

- Section [A] 109.2 Membership of board.
- Section [A] 109.2.2 Alternate members.
- Section [A] 109.2.3 Chairman.
- Section [A] 109.2.4 Disqualification of member.
- Section [A] 109.2.5 Secretary.
- Section [A] 109.2.6 Compensation of members.
- Section [A] 109.3 Notice of meetings.
- Section [A] 109.4 Open hearings.
- Section [A] 109.4.1 Procedure.
- Section [A] 109.5 Postponed hearing
- Section [A] 109.6 Board decision
- Section [A] 109.6.1 Resolution
- Section [A] 109.6.2 Administration

23.10 **INTERNATIONAL FUEL GAS CODE/2018**

The International Fuel Gas Code, 2018 edition, (“Fuel Gas Code”) be and the same is hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.11 **MODIFICATIONS TO THE FUEL GAS CODE**

The Fuel Gas Code shall be amended as follows:

1. Section [A] 101.1, insert Village of Algonquin.

2. Section [A] 106.6.2, insert Appendix B of the Village of Algonquin Municipal Code.

3. Section [A] 106.6.3 shall be amended to read as follows:

[A] 106.6.3 Fee refunds. Refunds for permit fees shall be in accordance with Appendix B of the Village of Algonquin Municipal Code.

4. Section [A] 108.4, insert Appendix B of the Village of Algonquin Municipal Code.

5. Section [A] 108.5, insert Appendix B of the Village of Algonquin Municipal Code.

6. Section [A] 109.1 shall be amended to read as follows:

[A] 109.1 Application of appeal. A person shall have the right to appeal a decision of the Code Official to the Village Board. An appeal based on a claim that the intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good or better form of construction is proposed.

7. The following sections shall be deleted in their entirety:

Section [A] 109.2 Membership of board
Section [A] 109.2.2 Alternate members
Section [A] 109.2.3 Chairman
Section [A] 109.2.4 Disqualification of member
Section [A] 109.2.5 Secretary
Section [A] 109.2.6 Compensation of members
Section [A] 109.3 Notice of meeting
Section [A] 109.4 Open hearing
Section [A] 109.5 Postponed hearing
Section [A] 109.6 Board decision
Section [A] 109.6.1 Resolution
Section [A] 109.6.2 Administration

8. Section 401.5 Identification shall be amended to add the follows:

Exterior gas piping shall be coated to protect the piping from corrosion. Exterior gas piping located on the roof shall be painted yellow. All other exterior gas piping shall be painted to match the exterior of the building.

23.12 NATIONAL ELECTRICAL CODE/2017

The National Electrical Code, 2017 edition, promulgated by the National Fire Protection Association, (“Electrical Code”) be and the same is hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.13 MODIFICATIONS TO THE NATIONAL ELECTRICAL CODE

The Electrical Code shall be amended as follows:

1. Article 110.2 shall be amended to add the following:

All electrical devices, conductors, and equipment shall be listed by a recognized and approved testing laboratory, or by express written approval from the Electrical Inspector.

2. Article 110.12 shall be amended to add the following:

110.12(C). All accessible temporary and/or abandoned wiring conductors, conduit systems, raceways, junction boxes, electrical materials, and electrical equipment shall be completely removed, unless express written approval is obtained from the Electrical Inspector.

3. Article 110.34 shall be amended to add the following:

(G) Utility sinks, water hose bibs, drinking fountains, and similar fixtures shall not be installed in a dedicated electric panel or switch gear room in commercial or industrial buildings. In a non-dedicated electric panel or switch gear room, utility sinks, water hose bibs, drinking fountains, and similar fixtures shall not be installed within six (6) feet of electric service panels or switch gear.

4. Article 210.8(A)(1) shall be amended to add the following:

No less than one 20-ampere GFCI-protected duplex outlet shall be provided for every vanity sink installed in a residential occupancy.

5. Article 210.8(A)(7) shall be amended to add the following:

Not less than one GFCI-protected duplex outlet shall be provided for every wet bar sink.

6. Article 210.8(B) shall be amended to add the following:

(4) All outdoor outlets in all residential, commercial and industrial construction shall be GFCI-protected.

(5) All indoor receptacles in residential, commercial and industrial construction shall be GFCI-protected, if within six feet of sinks, water hose bibs, drinking fountains, any equipment with exposed or accessible water, open water, or similar fixtures.

7. Article 210.10(C) shall be amended to add the following:

(5) All required smoke detectors shall be 110-volt with battery backup, interconnected and supplied by a general lighting circuit. Where smoke detectors are installed adjacent to unconditioned spaces, conduit shall be connected to the side of the junction box or an approved sealant to the top of the junction box entries.

Exception. Existing non-modified structures shall have wireless battery-powered interconnected smoke detectors, at locations where required.

8. Article 210.11(A) shall be amended to add the following:

(1) All sump pumps and ejector pumps shall each be supplied by a separate circuit..

(2) All furnaces and air conditioners shall each be supplied by a separate circuit.

9. Article 220.10 shall be amended to add the following:

In no case shall the electric service size for a single-family detached dwelling unit be less than 200 ampere, with a 40-circuit panel; or

Less than 200 ampere electric service with a 40-circuit panel for single-family attached dwelling units with 1,400 square feet or more of living space; or

Less than 100 ampere electric service with a 20-circuit panel for single-family attached dwelling units with 1,399 square feet or less of living space; or

Less than 400 ampere electric service with an 80-circuit panel for single-family dwelling units with 4,000 or more square feet of living space.

10. Article 230.70(A) shall be amended to add the following:

Service disconnecting means shall be located outside of the building or within five feet of the point in which the service conductors enter the building.

11. Article 2240 shall be amended to add the following:

Circuit breakers. Only one conductor per screw terminal shall be permitted on full size single-pole, 2-pole and 3-pole circuit breakers. Mini-circuit breakers and double/single-pole combination circuit breakers shall not be installed in any service panel, sub-panel or disconnect enclosure of any size or type.

12. Article 250.34 shall be amended to add the following:

A permit shall be obtained from the Community Development Department prior to the use of a portable generator of 10,000 watts or more in size; a separate permit may be issued each day of operation.

13. Article 310.10 shall be amended to read as follows:

All conductor material shall be copper.

14. Article 348.10 shall be amended to add the following:

Flexible metal conduit: Type FMC (Greenfield) can be used in enclosed areas with a proper sized equipment grounding conductor in compliance with Article 250.122.

15. Article 358.10(A) shall be amended to add the following:

1. Interior above slab wiring: All 110-volt and higher voltage conductors shall be enclosed in EMT (Electrical Metallic Tubing), or IMC (Intermediate Metal Conduit) or RMC (Rigid Metal Conduit) installed in accordance with this Code shall be used for interior above slab wiring.

2. Exterior above grade exposed wiring: All exterior above grade exposed wiring shall be enclosed in IMC (Intermediate Metal Conduit) or RMC (Rigid Metal Conduit) and installed in accordance with the Code.
 3. Under slab and below grade wiring: Rigid PVC and RTRC (Reinforced Thermo-setting Resin Conduit) or RMC (Rigid Metal Conduit) installed in accordance with this code may be used below grade and under slab wiring. Direct burial wiring shall be used for underground service entrance conductors.
 4. Other raceways and wireways may be permitted by express written approval by the Electrical Inspector.
16. Article 404.2 shall be amended to add the following:
- A three-way switch or interior motion sensing switching device or photocell device shall be provided for interior lighting in all screen rooms, sunrooms, and additions classified as three-season rooms, constructed off an exterior door.
17. Article 404.4 shall be amended to add the following:
- (D) Switches shall be located at least five feet measured horizontally, from the inside walls of a bathtub, whirlpool tub, hot tub, spa, hydro-massage bathtub, tub/shower combination, shower stall or shower enclosure.
18. Article 406.9(C) shall be amended to add the following:
- (D) Receptacles shall be located at least six feet measured horizontally, from the inside walls of a bathtub, whirlpool tub, hot tub, spa, hydro-massage bathtub, tub/shower combination, shower stall or shower enclosure.
19. Article 410.10 shall be amended to add the following:
- (G) Ceiling mounted, open or exposed, glass tube fluorescent luminaires shall be provided with fall protection for the light bulbs.
20. Article 410.30 (B) (3) shall be amended to add the following:
- A 5/8 inch by eight foot, copper-clad ground rod shall be provided for all light pole bases; the ground rod shall be properly terminated and accessible from the hand hole.
21. Article 422.16 (B) shall be amended to add the following:
- (5) All dishwashers and food waste disposals installed in residential occupancies shall be hard-wired and shall be equipped with a disconnect located within sight of the appliance.
- Exception: Appliances equipped with factory-installed power cords.
22. Article 700.12.12 IV shall be amended to add the following:

Emergency systems shall be properly identified.

23. Article 700.16 shall be amended to add the following:

Emergency lighting consisting of not less than two lamps shall be provided in all non-residential bathrooms, connected to the bathroom lighting circuit.

24. Article 760 shall be amended to add the following:

Accessible fire alarm cable, conduit, and junction boxes shall be the color red in their entirety.

- 26 Requirements for Electrical Contractors:

It shall be unlawful for any person to engage in the business of electrical contracting without being a licensed Electrical Contractor. If such person is licensed for the current year in another City or Village within the State of Illinois, in conformity with the State Statutes, such Electrical Contractor shall be required to show proof of such license. The term "Licensed Electrical Contractor" as used in Section shall be understood to mean any person installing or altering electric equipment for the utilization of electricity supplied for light, heat or power; not including radio apparatus or equipment for wireless reception of sounds and signals, conductors and other equipment installed under the jurisdiction of the Illinois Commerce Commission, for use in their operation as Public Utilities; but the term "Licensed Electrical Contractor" does not include employees of an electrical contractor who perform and supervise work. The Corporate Authorities, by virtue of the Illinois Compiled Statutes, requires candidates for electrical contracting to successfully complete a written examination administered by any Illinois Municipality that administers written examinations.

23.14 ILLINOIS STATE PLUMBING CODE/2014

The Illinois State Plumbing Code, 2014 edition, (State of Illinois Plumbing License Law, Plumbers Licensing Code and Plumbing Code) ("Plumbing Code") be and the same, is hereby adopted by reference and made part of this Section, subject to the modifications set forth herein and shall be applicable to the Village. No plumbing work, unless modified by this Chapter, shall be undertaken prior to the issuance of a permit by the Building Commissioner. The application for a permit shall be made on forms provided by the Building Commissioner and shall be accompanied by the prescribed permit fees as set forth in Appendix B.

23.15 INTERNATIONAL ENERGY CONSERVATION CODE/2018

The International Energy Conservation Code, 2018 edition, ("Energy Conservation Code") be and the same, is hereby adopted by reference and made part of this Section, subject to the modifications set forth herein, and shall be applicable to the Village.

23.16 MODIFICATIONS TO THE ENERGY CONSERVATION CODE

The Energy Conservation Code shall be amended as follows:

1. Section C101.1, insert Village of Algonquin
2. Section C109 shall be amended to add the following:

C 109.1 General. In order to hear and decide appeals of orders, decisions, or determinations made by the Code Official relative to the application and interpretation of this code, an appeal may be made to the Village Board.

3. Section C109.3 Qualifications, shall be deleted in its entirety

23.17 INTERNATIONAL EXISTING BUILDING CODE/2018

The International Existing Building Code, 2018 edition, (“Existing Building Code”) be and the same, is hereby adopted by reference and made part of the Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.18 MODIFICATIONS TO THE EXISTING BUILDING CODE

The Existing Building Code shall be amended as follows:

1. Section [A] 101.1, insert Village of Algonquin
2. Section [A] 101.2 shall be amended to read as follows:

[A]101.2 Scope. The provisions of the Existing Building Code shall apply to the repair, alteration, change of occupancy, addition, and relocation of existing, non-residential, and mixed-use occupancy buildings. New buildings or a building or portion of a building that has not been previously occupied or used for its intended purpose shall comply with the provisions of the Building Code for new construction. Repairs, alterations, change of occupancy, existing buildings to which additions are made, historic buildings, and relocated buildings complying with the provisions of the Building Code, Mechanical Code, Plumbing Code, Electrical Code, and Residential Code, as applicable, shall be considered in compliance with the provisions of the code.

3. Section [A] 105.2, Work exempt from permit, delete: 1, 3, 4, and 5.
4. Section [A] 112.1 shall be amended to read as follows:

[A] 112.1 General. In order to hear and decide appeals of orders, decisions, or determinations made by the Code Official relative to the application and interpretation of this code, an appeal may be made to the Village Board.

5. Section [A] 112.3, Qualifications, shall be deleted in its entirety.

23.19 INTERNATIONAL PROPERTY MAINTENANCE CODE/2018

The International Property Maintenance Code, 2018 edition, (“Property Maintenance Code”) be and the same, is hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.20 MODIFICATIONS TO THE PROPERTY MAINTENANCE CODE

The Property Maintenance Code shall be amended as follows:

1. Section [A] 101.1 insert Village of Algonquin.
2. Section [A] 111.1 shall be amended to read as follows:

[A] 111.1 Application for appeal. Any person directly affected by a decision of the Code Official or a notice of order issued under this code shall have the right to appeal to the Village Board, providing that a written application for an appeal is filed within 20 days after the day the decision, notice, or order was served. An application for appeal shall be based on a claim that the true intent of this code, or the rules legally adopted thereunder, have been incorrectly interpreted, the provisions of this code do not apply, or the requirements of this code are adequately satisfied by other means.

3. Section [A] 111.2 Membership of board, shall be deleted in its entirety.
4. Section [A] 111.3 Notice of meeting, shall be deleted in its entirety.
5. Section [A] 111.4 Open hearing, shall be deleted in its entirety.
6. Section [A] 111.5 Postponed hearing, shall be deleted in its entirety.
7. Section [A] 111.6 Board decision, shall be deleted in its entirety.
8. Section 302.2 shall be amended to add:

302.2.1 Sump pump and downspout discharge. The discharge from a sump pump and/or roof drainage downspout shall not discharge directly or indirectly on or over any public street, sidewalk, bike path, or right-of-way; and the outlet of sump pump discharge piping shall not be located within five feet of a property line, shall be orientated to discharge in the direction of the engineered drainage path, and shall not cause standing water on adjacent properties.

9. Section 302.4, 8 inches shall be inserted.
10. Section 302.8 shall be amended to read as follows:

302.8 Motor and recreational vehicles. All motor and recreational vehicles, including but not limited to cars, vans, trucks, construction/excavating/landscape equipment, motorized bikes/motorcycles, boats, watercraft, snowmobiles, campers, aircraft, all-terrain vehicles,

and trailers, shall be parked on an approved surface of four inches of concrete over a four-inch compacted gravel base or two inches of asphalt over a six-inch compacted base, or paving bricks designed for motor vehicle traffic, installed in accordance with manufacturer's installation instructions, or completely enclosed in a structure designed and approved for such purpose. Motor vehicles, recreational vehicles, and equipment parked on an approved surface shall be accessible without maneuvering over lawn, grass, curbs, or any unpaved surface. No more than two recreational vehicles shall be visible on a zoning lot. No part of any motor or recreational vehicle, when parked, shall encroach over a public sidewalk or bike path, and in no case shall equipment or a recreational vehicle be parked on public property. No vehicle shall, at any time, be in a state of major disrepair, disassembled, or in the process of being stripped or dismantled.

Exception: A vehicle of any type is permitted to undergo major repair provided that such work is performed inside an enclosed structure designed and approved for such purpose.

11. Section 304.14 shall be amended to insert April 15 to November 1.

12. Section 307.2 shall be amended to read as follows:

308.2 Disposal of rubbish. Every occupant of a structure shall dispose of all rubbish and recycling in a clean and sanitary manner pursuant to Chapter 13 of this Code and by placing such rubbish and items intended for recycling in approved containers and stored in a location with minimal exposure to the public view.

Exception: Rubbish and recycling may be placed on the right-of-way after 5:00 p.m. the day prior to the scheduled rubbish collection day, and all rubbish and recycling containers shall be removed from the right-of-way by 11:00 p.m. the day of rubbish collection.

13. Section 308.2 shall be amended add:

308.2.3 Special pick-up. Items requiring a special pick-up, such as refrigerators, water heaters, stoves, ovens, cook tops, furniture, carpeting, and construction material, shall not remain on the right-of-way for more than 48 hours.

14. Chapter 3 shall be amended to add a new section, which shall read as follows:

SECTION 310 YARDWASTE COMPOSTING.

310.1 Compost piles and bins. Compost piles and bins shall comply with the following requirements:

1. Compost piles and bins shall be located in side or rear yards.
2. Compost piles and bins shall not exceed four feet in height and in diameter.
3. Compost piles and bins shall not be placed or tended in such a way as to allow materials to be wind-blown.
4. Compost piles and bins shall not emit odorous matter in such quantities as to be

readily detectable at any point along any lot line, or to otherwise produce a public nuisance or hazard beyond any lot line.

5. Compost piles or bins shall be located not less than five feet from any lot line and out of any easement.

310.2 Composting material. Compost material shall be comprised of approximately an equal mixture of carbon-rich (brown) material and nitrogen-rich (green) material.

310.2.1 Carbon-rich material. The following examples are acceptable carbon-rich (brown) material:

1. Leaves
2. Pine needles
3. Small twigs and branches
4. Wood chips and shavings
5. Bark pieces
6. Straw

310.2.2 Nitrogen-rich material. The following examples are acceptable nitrogen-rich (green) material:

1. Grass clippings
2. Weeds
3. Spent flowers and plants
4. Vine and other soft prunings from the garden
5. House plant trimmings

310.2.3 Improper compost material. The following examples are improper composting materials and shall not be permitted:

1. Animal and dairy products
2. Meats
3. Fats, oils and grease
4. Animal feces

310.3 Compost maintenance. Compost piles shall be maintained neatly and not allowed to sprawl. Piles of grass clippings and/or large branches are not considered composting and shall not be permitted.

15. Section 602.3, insert September 15 to May 15.
16. Section 602.4, insert September 15 to May 15.
17. The following section shall be added:

SECTION 801 DRIVEWAYS

801.1 Driveways. All driveways and off-street parking areas shall be paved with a surface

of not less than four inches of concrete over a four-inch compacted base course or not less than two inches of asphalt over a six-inch compacted base course or paving bricks designed for motor vehicle traffic, installed in accordance with manufacturer's installation instructions. Gravel driveways and off-street parking areas are not permitted. Any nonconforming gravel driveway or off-street parking area shall be paved in accordance with this code no later than December 1, 2009.

18. The following sections shall be added:

SECTION 706 SALT STORAGE

706.1 Salt Storage. In the interest of limiting pollution to our environment and waterways and ultimately preventing contamination of our groundwater resources, all properties which store bulk rock salt for winter snow or ice removal operations shall comply with these regulations. Prior to the installation of any salt storage, a permit, which is valid November through April, shall be obtained from the Community Development Department. The permit fee is found in Appendix B of this Code. The permit application shall include the amount of salt to be stored, a site plan that includes the location and dimensions of the storage site, as well as any storm sewer drains within 125 feet of the storage site, the amount of salt to be stored, the method by which the salt will be covered and additional measures that will be undertaken to minimize visual impact to public ways and/or adjacent residential uses.

Properties not in compliance with the salt storage requirements shall be fined pursuant to Appendix B of this Code until the storage is brought into compliance. Those properties containing a salt pile without a valid permit shall be fined pursuant to Appendix B of this Code and required to obtain a permit or remove the salt pile.

Salt storage shall comply with the following requirements:

1. The maximum amount of storage allowed shall not exceed four storm events.
2. The salt within the salt storage location shall be covered with a water-resistant tarp or similar protective cover, which shall be adequately secured to prevent damage from wind and/or water at all times.
3. The location shall be not less than 100 feet from any storm sewer drain.
4. The location shall be uphill and away from snow piles.
5. The location shall be in an area that minimizes visual impact to public ways and/or adjacent residential uses.
6. The salt pile and area used for truck loading and unloading shall be diligently swept and maintained free of loose salt and debris at all times. The area shall be kept in a clean, workmanlike manner at all times.

7. All unused salt and the site shall be cleaned up no later than April 15th.

23.21 ILLINOIS ACCESSIBILITY CODE/2018

The Illinois Accessibility Code, effective date October 23, 2018, (71 Illinois Administrative Code 400) (“Accessibility Code”) be and the same, is hereby adopted by reference and made part of this Section and shall be applicable to the Village. In the event of a conflict between the provisions of the Illinois Accessibility Code and the International Building Code, the most restrictive provisions shall apply.

23.22 INTERNATIONAL SWIMMING POOL AND SPA CODE/2018

The International Swimming Pool and Spa Code, 2018 edition, (“Swimming Pool and Spa Code”) be and the same, is hereby adopted by reference and made part of this Section, subject to modifications set forth herein, and shall be applicable to the Village.

23.23 MODIFICATIONS TO THE SWIMMING POOL AND SPA CODE

The Swimming Pool and Spa Code shall be amended as follows:

1. Section [A] 101.1 insert Village of Algonquin.
2. Section [A] 108.1 shall be amended to read as follows:

[A] 108.1 Application for appeal. Any person directly affected by a decision of the Code Official or a notice of order issued under this code shall have the right to appeal to the Village Board, providing that a written application for an appeal is filed within 20 days after the day the decision, notice, or order was served. An application for appeal shall be based on a claim that the true intent of this code, or the rules legally adopted thereunder, have been incorrectly interpreted, the provisions of this code do not apply, or the requirements of this code are adequately satisfied by other means.

3. The following sections shall be deleted in their entirety

Section [A] 108.2 Membership of board
Section [A] 108.2.1 Qualifications
Section [A] 108.2.2 Alternate members
Section [A] 108.2.3 Chairman
Section [A] 108.2.4 Disqualification of member
Section [A] 108.2.5 Secretary
Section [A] 108.2.6 Compensation of members
Section [A] 108.3 Notice of meeting
Section [A] 108.4 Open hearing
Section [A] 108.5 Postponed hearing
Section [A] 108.6 Board decision
Section [A] 108.6.1 Resolution
Section [A] 108.6.2 Administration

4. Section 305.5 Onground residential pool structure as a barrier, shall be amended to read as follows:

Onground residential pool structure as a barrier. Where an onground pool structure is used as a barrier, an additional barrier shall be mounted on top of the pool structure. The maximum vertical clearance between the top of the pool and the bottom of the barrier shall be four inches. The minimum vertical height of the barrier above the top of the pool shall be 18 inches and in no case shall the top of barrier be less than 48 inches above grade for the entire perimeter of the pool and comply with the requirements of Section 305.2. Where the barrier is mounted on top of the pool structure and means of access is a ladder or steps:

1. The ladder or steps shall be designed and manufactured to meet the barrier requirements of Section 305.2; or
2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Section 305.2.

23.24 **PERMIT FEE SCHEDULE**

Permit fees are found in Appendix B of this Code.

23.25 **KANE COUNTY ROAD IMPROVEMENT IMPACT FEE**

All developers of new development in Kane County, as defined in Kane County Ordinance No. 04-22, Kane County Road Improvement Impact Fee Ordinance, are required to submit, with their building permit application, a copy of their receipt of payment reflecting payment of the Kane County Road Improvement Impact Fee.

23.26 **IDENTIFICATION OF LOCAL BUILDING CODE NOT ADOPTED**

Notwithstanding the provisions of 20 ILCS 3918/55, the Village shall not provide the identification of a new building code or amendment thereto, its title and edition, to the State of Illinois Capital Development Board, or its successor, for placement on the Internet through the State of Illinois worldwide website.



VILLAGE OF ALGONQUIN
GENERAL SERVICES ADMINISTRATION

- M E M O R A N D U M -

DATE: February 11, 2021
TO: Committee of the Whole
FROM: Tim Schloneger, Village Manager
SUBJECT: *Proposed Budget – 2021/2022 - Water and Sewer Operating Fund*

The Water and Sewer Operating fund is a separate enterprise fund that does not receive any tax income since revenue is derived solely from the usage of the Village's water and sewer services. Water, sewer and all other utilities are businesses, regardless of who owns them. The Village's Water & Sewer utilities are businesses that just happen to be owned by government. It is for this reason that the fund is classified as a true enterprise fund. It is the pure business of providing water and sewer services. The revenues and expenditures are directly related to the demand for these water and sewer services and are not supplemented by any other fund or tax dollars.

The fiscal year 2021/2022 Water and Sewer Operating Fund budget is proposed estimated expenditures of \$10,440,800, which includes a \$1,320,000 transfer to the Water and Sewer Capital Fund.

ANTICIPATED REVENUE - WATER AND SEWER OPERATING FUND – (\$11,170,000)

Approximately \$10,920,000 is expected to be generated from water, sewer and fixed fees. This source alone accounts for 98% of the revenue needed to operate the water and sewer system of the Village. Other revenue sources are generated from interest on cash reserves, service charges, late charges, cell tower rental fees, and new meter sales.

PROPOSED EXPENDITURES - WATER AND SEWER OPERATING FUND – (\$10,440,800)

The expenditure format for the Water and Sewer Operating Fund separates the Water and Sewer Divisions; however, many of the expenditure items are split between the Water Division line items and the Sewer Division line items.

Utilities Division staff will focus on operation and maintenance of the wastewater treatment plant, maintaining water and sewer distribution lines, and operation of the three water treatment plants. The first priority of this year's water and sewer operating budget is continued maintenance of the existing system and environmental protection of our water and sewer utility system.

PERSONNEL - (Water \$1,664,000 - Sewer \$1,466,000)

ACCOUNTS 41103, 41104, AND 41105 - These accounts are calculated at the statutory rates for IMRF, FICA, and unemployment tax and are fixed according to salary and pay ranges of the divisions.

ACCOUNT 41106, HEALTH INSURANCE - This item is budgeted to account for the distribution of health insurance costs to the divisions.

ACCOUNTS 41110 AND 41140, SALARIES/OVERTIME - These items include the salary for office and utility maintenance personnel with some anticipated overtime expenditures. This account includes the existing staff of the Water and Sewer Divisions.

Potential salary increases that will be discussed under the Village's Merit Compensation Plan at the end of the budget process are included for nonunion personnel. The salaries for union personnel will depend on the current collective bargaining agreement.

WATER AND SEWER CONTRACTUAL SERVICES - (Water \$867,900 - Sewer \$988,100)

The line items under Contractual Services include those services that the Village will contract with outside vendors. These services are for the divisions' use of utilities, legal services, engineering, professional services, publications, rental equipment, and physical exams. These are generally proportioned evenly between the Water and Sewer Divisions. The proposed budget recognizes increased expenditures for contractual services primarily due to a higher liability insurance premium and additional outsourced expenditures (i.e. utility locating and valve exercising).

ACCOUNT 42212, ELECTRIC – (Water \$253,000 – Sewer \$322,100)

The energy cost to run the pumps and motors for the water and sewer system is the largest line item under contractual services.

ACCOUNT 42225, BANK PROCESSING – (Water \$27,000 – Sewer \$27,000) Both Water and Sewer Divisions share the cost for the lockbox system which receives and processes billing payments.

ACCOUNT 42234, PROFESSIONAL SERVICES – (Water \$325,100 – Sewer \$214,100)

This account includes the costs for services of lab testing, valve maintenance, water system leak audit, outsourcing of utility billing, JULIE utility locating, maintenance of the SCADA system, and the state's increased fee for the sewage treatment plant NPDES fee.

ACCOUNT 42262, SLUDGE REMOVAL - Under the Sewer Division, this item covers the contract cost for sludge hauling and disposal (\$126,000) and is based on the estimated volume of sludge generated at the sewage treatment plant. Due to new regulations, the landfilling of sludge during winter months is driving the increasing cost of this line item from previous years.

SUPPLIES AND MATERIALS - (Water \$453,000 - Sewer \$377,100)

This general category of the budget covers the supplies and materials relating to the production and treatment of water and sewage. The purchase of supplies and materials includes a wide range of materials, parts, tools, traffic safety equipment, chemicals, and supplies. Some of the larger purchases proposed under supplies and materials are as follows:

<u>Account #</u>	<u>100% Water Division</u>		<u>Account #</u>	<u>100% Sewer Division</u>	
43342	Softening Salt	\$17,500	43342	Ferric Chloride	\$75,000
43342	Citric Acid	\$26,100	43342	Polymer for Sludge Thickening	\$36,000
43342	Sodium Hypochlorite	\$90,000			
43342	Orthophosphate	\$40,000			
43342	Fluoride	\$8,500			

<u>Account #</u>	<u>50% Water and 50% Sewer Divisions</u>	
43317	Postage for Water & Sewer Bills and Notices	\$56,800
43348	Meters & Meter Supplies	\$161,200

MAINTENANCE - (Water \$524,600 - Sewer \$400,000)

This general category accounts for day-to-day maintenance requirements of the water and sewer facilities. As various parts of this system age, expenses increase to keep the facilities operating effectively. Some of the larger maintenance projects proposed for this fiscal year are as follows:

<u>Account #</u>	<u>100% Water Division</u>		<u>Account #</u>	<u>100% Sewer Division</u>	
44418	Remove & Inspect Well no. 9	\$40,000	44412	Secondary Clarifier 503 Drain Valve Replacement	\$13,000
44418	Remove & Inspect Well no. 11	\$40,000	44412	Primary Sludge Pump 901 and 903 Replacement	\$24,000
			44412	Alum delivery system	\$12,000
			44414	Comminutor Replacement - Grand Reserve LS	\$16,000

CAPITAL EXPENDITURES - (Water \$0 - Sewer \$0)

ACCOUNT 45590, CAPITAL PURCHASES - None

OTHER CHARGES - (Water \$25,100 - Sewer \$17,300)

Other Charges include the Water and Sewer Divisions' share of travel, training and dues, uniforms, and personnel protective equipment required by the Public Works Department.

SUMMARY - WATER AND SEWER OPERATING FUND

Maintaining safe drinking water and environmentally sound sewer services is one of the most important responsibilities of the Village of Algonquin. As providing Water & Sewer services becomes more expensive, the Village is faced with the constant challenge of balancing our

interest in offering a fundamental public health service at an affordable price, against the necessity of managing our systems in a financially sustainable manner.

The Water and Sewer Operating Fund budget proposes revenues to exceed expenses in FY 21/22, pursuant to the water and sewer rate and fee study. Operation and maintenance costs are increasing due to expansion to water and sewer distribution and treatment processes and continued aging of the entire system.

The water and sewer operating budgets are recognizing the balance of operation and maintenance costs equally between Water and Sewer Divisions (approximately 52% water – 48% sewer). There is one active bond issue in the Water and Sewer Operating Fund which will mature in 2025. Loan servicing through the Illinois Environmental Protection Agency will be present in this budget.

It is essential that the Village continue the day-to-day operations and maintenance of this enterprise fund. Environmental Protection Agency requirements consistently tighten the standards on the quality of the drinking water and sanitary sewer effluent. This, in turn, raises the bar on the quality of the product generated by the Water and Sewer Divisions for the benefit of our citizens.

Attachments

Water and Sewer Operating Fund

Revenues

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Budget
07000400	33035	Donations-Operating-W&S	\$ 3,202.62	\$ 2,573.40	\$ 8,324.91	\$ 8,347.67	\$ 2,000.00	\$ 2,000.00
07000400	33235	Grants-Operating	2,962.30	-	-	-	-	-
07000400	34100	Rental Income ¹	48,793.12	50,240.82	51,388.18	220.00	83,000.00	85,000.00
07000400	34200	Miscellaneous Billings	(89.68)	-	-	-	-	-
07000400	34700	Water Fees	3,101,445.92	3,451,520.59	3,843,452.39	2,272,410.82	4,100,000.00	4,100,000.00
07000400	34710	Sewer Fees	3,304,618.29	3,990,353.84	4,829,166.53	2,949,395.30	5,500,000.00	5,500,000.00
07000400	34715	Infrastructure Fee	1,318,838.97	1,324,647.00	1,332,776.00	668,248.68	1,320,000.00	1,320,000.00
07000400	34720	Administrative Fees	2,075.00	2,930.00	3,707.35	1,517.65	2,000.00	2,000.00
07000400	34730	Late Charges	70,954.47	75,485.97	80,657.18	24,839.08	70,000.00	75,000.00
07000400	34740	Reinstatement Fees	15,482.20	16,276.68	18,304.95	6,948.40	14,000.00	14,000.00
07000400	34820	Meter Sales	33,769.00	51,596.00	39,256.00	19,850.00	40,000.00	40,000.00
07000500	36001	Interest	1,875.87	2,462.29	3,652.18	1,420.98	2,000.00	2,000.00
07000500	36020	Interest - Investment Pools	73,115.42	90,416.42	236,690.76	6,431.94	60,000.00	10,000.00
07000400	37100	Restitution	630.81	3,183.86	328.00	3,514.90	-	-
07000500	37110	Insurance Claims	-	-	-	-	-	-
07000400	37905	Sale of Surplus Property	31,764.22	27,974.88	59,060.22	8,631.26	20,000.00	20,000.00
Water & Sewer Operating Fund Total			\$ 8,009,438.53	\$ 9,089,661.75	\$ 10,506,764.65	\$ 5,971,776.68	\$ 11,213,000.00	\$ 11,170,000.00
Actual figures have been adjusted, per auditor.								
¹ - Accounts for rental from wireless service providers for tower rental fees.								

Water and Sewer Operating Fund

Total Expenses

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Dept.	Manager	Budget
07700400		Water Division Total	\$ 2,779,858.79	\$ 3,083,719.29	\$ 2,894,401.36	\$ 1,408,460.64	\$ 3,645,500.00	\$ 3,564,820.44	\$ 3,534,600.00	
07800400		Sewer Division Total	2,541,771.54	2,497,083.49	2,692,161.35	-	3,192,000.00	3,277,609.44	3,248,500.00	
07080400	46700	IEPA Loan Principal Expense	-	-	-	-	1,005,000.00	1,005,000.00	1,005,000.00	
07080400	46701	IEPA Loan Interest Expense	-	-	-	-	480,000.00	480,000.00	480,000.00	
07080400	46680	Bond Principal Payment	630,000.00	665,000.00	695,000.00	-	715,000.00	755,000.00	755,000.00	
07080400	46681	Bond Interest Expense	166,634.91	147,647.41	127,622.41	59,312.50	118,700.00	97,200.00	97,200.00	
07080400	46682	Bond Fees	428.00	428.00	428.00	-	500.00	500.00	500.00	
07800500	48012	Transfer to W/S Capital	1,318,838.97	1,324,647.00	6,012,776.00	668,248.68	1,320,000.00	1,320,000.00	1,320,000.00	
Subtotal			\$ 7,437,532.21	\$ 7,718,525.19	\$ 12,422,389.12	\$ 2,136,021.82	\$ 10,476,700.00	\$10,500,129.88	\$ 10,440,800.00	\$ -
Non Budgeted Expense										
07800400	46702	ARO Amortization	\$ -	\$ -	\$ 8,409.00	\$ -	\$ -			
07700400	47853	Pension Expense W/S	14,601.58	(29,915.25)	71,128.52					
07800400	47853	Pension Expense W/S	12,930.26	(26,254.69)	63,437.01					
07700400	47854	OPEB Expense W/S	-	9,570.75	19,407.95					
07800400	47854	OPEB Expense W/S	-	7,137.73	14,402.45					
07800400	47785	Depreciation Expense	3,457,134.00	3,395,945.00	3,474,204.00					
Subtotal			\$ 3,484,665.84	\$ 3,356,483.54	\$ 3,650,988.93	\$ -	\$ -	\$ -	\$ -	\$ -
Water and Sewer Operating Fund Total			\$ 10,922,198.05	\$ 11,075,008.73	\$ 16,073,378.05	\$ 2,136,021.82	\$ 10,476,700.00	\$10,500,129.88	\$ 10,440,800.00	\$ -
Depreciation Expense, which is an adjustment made by the auditors each year, has been moved from the Sewer Division budget to this summary budget.										

Public Works - Water Division

Expenses

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Dept.	Manager	Budget
Personnel										
07700400	41103	IMRF	\$ 119,132.30	\$ 110,360.77	\$ 111,098.31	\$ 62,678.76	\$ 141,000.00	\$ 157,000.00	\$ 154,000.00	\$ -
07700400	41104	FICA	79,301.42	78,963.00	82,424.05	41,244.29	93,000.00	97,000.00	95,000.00	-
07700400	41105	Unemployment Tax	1,377.38	1,406.76	1,362.54	16.80	2,000.00	2,000.00	2,000.00	-
07700400	41106	Health Insurance	171,978.93	174,413.25	171,488.97	85,142.56	184,000.00	185,000.00	185,000.00	-
07700400	41110	Salaries	1,021,538.51	1,035,916.56	1,097,165.79	544,562.26	1,144,000.00	1,205,000.00	1,173,000.00	-
07700400	41140	Overtime	50,056.30	53,441.90	46,966.47	17,557.00	50,000.00	55,000.00	55,000.00	-
Subtotal			\$ 1,443,384.84	\$ 1,454,502.24	\$ 1,510,506.13	\$ 751,201.67	\$ 1,614,000.00	\$ 1,701,000.00	\$ 1,664,000.00	\$ -
Contractual Services										
07700400	42210	Telephone	\$ 20,087.54	\$ 21,270.23	\$ 21,159.95	\$ 8,854.17	\$ 22,700.00	\$ 24,015.00	\$ 24,000.00	\$ -
07700400	42211	Natural Gas	18,689.90	16,892.26	15,080.20	2,680.95	20,350.00	20,350.00	20,400.00	-
07700400	42212	Electric	230,298.17	234,235.83	239,846.26	97,337.20	250,000.00	253,000.00	253,000.00	-
07700400	42215	Repeater Lines	-	-	-	-	8,300.00	8,750.00	8,800.00	-
07700400	42225	Bank Processing Fees	23,934.01	24,886.56	25,385.57	13,412.45	27,000.00	27,000.00	27,000.00	-
07700400	42226	ACH Rebate	21,135.00	22,761.00	24,412.50	12,787.00	25,000.00	25,000.00	25,000.00	-
07700400	42230	Legal Services	306.25	1,242.25	1,109.62	-	4,000.00	4,000.00	4,000.00	-
07700400	42231	Audit Services	4,549.19	4,666.38	5,165.52	5,477.67	6,200.00	6,450.00	6,500.00	-
07700400	42232	Engineering Services	-	-	33,092.74	7,000.00	30,000.00	30,000.00	30,000.00	-
07700400	42234	Professional Services	190,465.91	198,880.34	251,363.51	136,463.80	371,200.00	325,060.00	325,100.00	-
07700400	42236	Insurance	64,112.69	63,108.14	74,303.72	112,996.78	99,000.00	117,000.00	117,000.00	-
07700400	42242	Publications	516.00	444.50	543.20	444.50	1,200.00	1,125.00	1,200.00	-
07700400	42243	Printing & Advertising	3,385.66	3,585.22	896.98	2,979.48	3,750.00	3,900.00	3,900.00	-
07700400	42260	Physical Exams	158.25	397.80	452.00	-	1,600.00	1,600.00	1,600.00	-
07700400	42270	Equipment Rental	-	887.52	-	-	1,000.00	1,000.00	1,000.00	-
07700400	42272	Principal Lease Payments	-	-	6,308.71	6,708.11	21,800.00	19,400.00	19,400.00	-
Subtotal			\$ 577,638.57	\$ 593,258.03	\$ 699,120.48	\$ 407,142.11	\$ 893,100.00	\$ 867,650.00	\$ 867,900.00	\$ -
Supplies & Materials										
07700400	43308	Office Supplies	\$ 353.04	\$ 257.43	\$ 320.34	\$ -	\$ 500.00	\$ 500.00	\$ 500.00	\$ -
07700400	43309	Materials	13,777.60	6,583.33	16,881.31	5,263.65	17,500.00	23,500.00	23,500.00	-
07700400	43317	Postage	24,973.31	25,280.40	25,869.87	13,102.36	28,400.00	28,400.00	28,400.00	-
07700400	43320	Tools, Equipment & Supplies	11,151.21	7,739.87	17,211.10	3,364.47	9,500.00	11,000.00	11,000.00	-
07700400	43332	Office Furniture & Equipment	1,521.65	749.98	759.99	-	2,000.00	3,500.00	3,500.00	-
07700400	43333	IT Equipment	47,771.45	42,237.03	54,546.36	31,246.37	54,600.00	84,064.44	90,400.00	-
07700400	43340	Fuel (S)	17,650.74	18,795.25	17,743.92	6,702.37	17,000.00	18,000.00	18,000.00	-
07700400	43342	Chemicals	164,118.86	154,721.53	151,515.11	56,204.50	187,000.00	186,200.00	186,200.00	-
07700400	43345	Lab Supplies	9,963.39	9,265.89	9,956.57	2,430.08	10,400.00	10,900.00	10,900.00	-
07700400	43348	Meters & Meter Supplies	28,134.71	3,004.52	13,602.16	6,345.80	59,200.00	80,600.00	80,600.00	-
Subtotal			\$ 319,415.96	\$ 268,635.23	\$ 308,406.73	\$ 124,659.60	\$ 386,100.00	\$ 446,664.44	\$ 453,000.00	\$ -
Maintenance										
07700400	44410	Booster Station	\$ 6,356.90	\$ 11,355.07	\$ 9,323.08	\$ 1,448.82	\$ 16,400.00	\$ 16,570.00	\$ 16,600.00	\$ -
07700400	44411	Storage Facility	8,677.14	8,870.00	-	-	8,500.00	28,300.00	28,300.00	-
07700400	44412	Treatment Facility	87,303.41	436,722.67	22,582.06	2,856.71	85,200.00	80,368.00	133,000.00	-
07700400	44415	Distribution System	51,483.80	47,425.73	65,477.71	32,583.56	75,200.00	87,500.00	87,500.00	-
07700400	44418	Wells	135,116.80	117,183.85	96,636.13	2,586.52	174,700.00	93,368.00	93,400.00	-
07700400	44420	Vehicle Maintenance (S)	20,457.53	23,066.33	29,401.41	15,673.01	21,000.00	28,000.00	28,000.00	-
07700400	44421	Equipment Maintenance (S)	25,393.12	21,195.00	45,395.15	15,614.35	25,500.00	36,000.00	36,000.00	-
07700400	44423	Building Services (S)	93,216.24	83,908.07	81,631.75	48,643.12	103,000.00	153,500.00	101,000.00	-
07700400	44426	Office Equipment Maintenance	431.05	503.15	485.28	241.60	800.00	800.00	800.00	-
Subtotal			\$ 428,435.99	\$ 750,229.87	\$ 350,932.57	\$ 119,647.69	\$ 510,300.00	\$ 524,406.00	\$ 524,600.00	\$ -
Capital Expenditures										
07700400	43335	Vehicles & Equipment	\$ -	\$ -	\$ 6,025.00	\$ -	\$ -	\$ -	\$ -	\$ -
07700400	45590	Capital Purchase	-	-	-	-	215,000.00	-	-	-
Subtotal			\$ -	\$ -	\$ 6,025.00	\$ -	\$ 215,000.00	\$ -	\$ -	\$ -
Other Charges										
07700400	47740	Travel/Training/Dues	\$ 5,243.09	\$ 10,584.65	\$ 9,606.56	\$ 1,441.50	\$ 10,700.00	\$ 10,900.00	\$ 10,900.00	\$ -
07700400	47760	Uniforms & Safety Items	5,740.34	6,509.27	8,770.76	3,070.02	10,700.00	10,900.00	10,900.00	-
07700600	47790	Interest Lease Expense	-	-	1,033.13	1,298.05	5,600.00	3,300.00	3,300.00	-
Subtotal			\$ 10,983.43	\$ 17,093.92	\$ 19,410.45	\$ 5,809.57	\$ 27,000.00	\$ 25,100.00	\$ 25,100.00	\$ -
Water Total			\$ 2,779,858.79	\$ 3,083,719.29	\$ 2,894,401.36	\$ 1,408,460.64	\$ 3,645,500.00	\$ 3,564,820.44	\$ 3,534,600.00	\$ -
Non Budgeted Expense										
07700400	47853	Pension Expense W/S	\$ 14,601.58	\$ (29,915.25)	\$ 71,128.52	\$ -	\$ -	\$ -	\$ -	\$ -
07700400	47854	OPEB Expense W/S	-	9,570.75	19,407.95	-	-	-	-	-
Water Total (Audited)			\$ 2,794,460.37	\$ 3,063,374.79	\$ 2,984,937.83	\$ 1,408,460.64	\$ 3,645,500.00	\$ 3,564,820.44	\$ 3,534,600.00	\$ -

Public Works - Sewer Division

Expenses

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Dept.	Manager	Budget
Personnel										
07800400	41103	IMRF	\$ 104,851.90	\$ 99,780.95	\$ 100,760.24	\$ 53,875.97	\$ 126,000.00	\$ 142,000.00	\$ 138,000.00	\$ -
07800400	41104	FICA	70,198.00	71,776.91	75,112.04	35,419.38	83,000.00	87,000.00	85,000.00	-
07800400	41105	Unemployment Tax	1,260.07	1,409.60	1,290.21	16.78	2,000.00	2,000.00	2,000.00	-
07800400	41106	Health Insurance	137,042.39	130,074.94	131,408.86	61,866.63	138,000.00	145,000.00	141,000.00	-
07800400	41110	Salaries	921,193.76	942,715.84	991,400.87	467,001.04	1,042,000.00	1,098,000.00	1,068,000.00	-
07800400	41140	Overtime	32,679.88	40,943.52	36,498.14	12,527.41	32,000.00	32,000.00	32,000.00	-
Subtotal			\$ 1,267,226.00	\$ 1,286,701.76	\$ 1,336,470.36	\$ 630,707.21	\$ 1,423,000.00	\$ 1,506,000.00	\$ 1,466,000.00	\$ -
Contractual Services										
07800400	42210	Telephone	\$ 15,371.79	\$ 16,621.41	\$ 16,750.97	\$ 6,994.48	\$ 22,200.00	\$ 22,805.00	\$ 22,800.00	\$ -
07800400	42211	Natural Gas	8,741.83	10,706.41	9,770.44	1,846.24	15,100.00	15,050.00	15,100.00	-
07800400	42212	Electric	282,064.26	274,669.07	291,823.24	94,792.31	317,000.00	322,100.00	322,100.00	-
07800400	42215	Repeater Lines	-	-	-	-	8,300.00	8,750.00	8,800.00	-
07800400	42225	Bank Processing Fees	23,933.89	24,886.52	25,385.57	13,412.46	27,000.00	27,000.00	27,000.00	-
07800400	42226	ACH Rebate	21,225.50	22,863.50	24,515.50	12,835.00	25,000.00	25,000.00	25,000.00	-
07800400	42230	Legal Services	43.75	1,417.25	591.72	175.00	4,000.00	4,000.00	4,000.00	-
07800400	42231	Audit Services	4,549.20	4,666.37	5,165.51	5,477.67	6,200.00	6,450.00	6,500.00	-
07800400	42232	Engineering Services	1,673.97	3,000.00	57,316.35	35,688.00	39,000.00	94,000.00	94,000.00	-
07800400	42234	Professional Services	148,744.49	129,780.82	157,808.04	120,424.38	213,600.00	214,070.00	214,100.00	-
07800400	42236	Insurance	60,859.76	55,709.68	69,025.14	98,947.76	93,000.00	103,000.00	103,000.00	-
07800400	42242	Publications	567.52	528.94	543.20	444.50	1,100.00	1,100.00	1,100.00	-
07800400	42243	Printing & Advertising	575.49	974.18	896.93	119.48	1,000.00	1,000.00	1,000.00	-
07800400	42260	Physical Exams	405.25	359.45	430.00	-	1,600.00	1,600.00	1,600.00	-
07800400	42262	Sludge Removal	92,468.25	87,926.55	90,055.75	29,079.00	123,500.00	126,000.00	126,000.00	-
07800400	42270	Equipment Rental	701.60	-	-	-	1,500.00	1,500.00	1,500.00	-
07800400	42272	Principal Lease Payments	-	-	5,689.30	4,437.31	18,800.00	14,500.00	14,500.00	-
Subtotal			\$ 661,926.55	\$ 634,110.15	\$ 755,767.66	\$ 424,673.59	\$ 917,900.00	\$ 987,925.00	\$ 988,100.00	\$ -
Supplies & Materials										
07800400	43308	Office Supplies	\$ 258.71	\$ 358.58	\$ 96.78	\$ 38.05	\$ 500.00	\$ 500.00	\$ 500.00	\$ -
07800400	43309	Materials	4,883.17	10,735.85	4,270.92	920.00	17,500.00	14,000.00	14,000.00	-
07800400	43317	Postage	24,977.31	25,127.20	25,869.78	13,102.39	28,400.00	28,400.00	28,400.00	-
07800400	43320	Tools, Equipment & Supplies	15,718.96	26,134.35	27,606.10	1,383.99	19,000.00	18,000.00	18,000.00	-
07800400	43332	Office Furniture & Equipment	12,574.50	490.00	2,500.00	-	1,000.00	1,000.00	1,000.00	-
07800400	43333	IT Equipment	57,985.34	40,643.47	53,480.63	38,838.74	78,600.00	80,764.44	91,100.00	-
07800400	43340	Fuel (S)	16,681.81	16,025.23	18,742.97	6,059.02	17,000.00	18,000.00	18,000.00	-
07800400	43342	Chemicals	60,043.33	52,753.59	61,062.88	24,495.39	114,500.00	118,000.00	118,000.00	-
07800400	43345	Lab Supplies	3,905.30	5,754.52	6,819.53	2,759.76	7,500.00	7,500.00	7,500.00	-
07800400	43348	Meters & Meter Supplies	26,788.59	3,423.65	9,222.38	285.24	59,200.00	80,600.00	80,600.00	-
Subtotal			\$ 223,817.02	\$ 181,446.44	\$ 209,671.97	\$ 87,882.58	\$ 343,200.00	\$ 366,764.44	\$ 377,100.00	\$ -
Maintenance										
07800400	44412	Treatment Facility	\$ 154,036.31	\$ 129,994.80	\$ 70,688.76	\$ 25,080.68	\$ 52,300.00	\$ 97,250.00	\$ 97,500.00	\$ -
07800400	44414	Lift Station Maintenance	59,868.20	52,011.19	43,180.68	18,524.26	89,900.00	56,150.00	56,200.00	-
07800400	44416	Collection System Maintenance	3,471.73	31,834.09	93,213.72	-	32,600.00	64,100.00	64,100.00	-
07800400	44420	Vehicle Maintenance (S)	29,271.88	32,160.44	37,616.01	20,993.34	38,000.00	37,000.00	37,000.00	-
07800400	44421	Equipment Maintenance (S)	33,845.96	35,544.87	41,735.11	16,874.19	32,000.00	43,000.00	43,000.00	-
07800400	44423	Building Services (S)	94,770.07	89,243.66	81,819.57	50,427.38	101,000.00	101,000.00	101,000.00	-
07800400	44426	Office Equipment Maintenance	731.05	579.95	549.08	258.29	1,100.00	1,120.00	1,200.00	-
Subtotal			\$ 375,995.20	\$ 371,369.00	\$ 368,802.93	\$ 132,158.14	\$ 346,900.00	\$ 399,620.00	\$ 400,000.00	\$ -
Capital Expenditures										
07800400	43335	Vehicles & Equipment	\$ -	\$ 8,000.00	\$ 6,025.00	\$ -	\$ -	\$ -	\$ -	\$ -
07800400	45590	Capital Purchase	-	-	-	-	135,000.00	-	-	-
07800400	45597	Capital Lease Payment	-	-	-	-	-	-	-	-
Subtotal			\$ -	\$ 8,000.00	\$ 6,025.00	\$ -	\$ 135,000.00	\$ -	\$ -	\$ -
Other Charges										
07800400	47740	Travel/Training/Dues	\$ 4,776.98	\$ 6,737.41	\$ 2,560.21	\$ 1,169.50	\$ 8,500.00	\$ 7,800.00	\$ 7,800.00	\$ -
07800400	47760	Uniforms & Safety Items	8,029.79	8,718.73	11,719.16	2,205.76	12,500.00	6,600.00	6,600.00	-
07800600	47790	Interest Lease Expense	-	-	1,144.06	982.18	5,000.00	2,900.00	2,900.00	-
Subtotal			\$ 12,806.77	\$ 15,456.14	\$ 15,423.43	\$ 4,357.44	\$ 26,000.00	\$ 17,300.00	\$ 17,300.00	\$ -
Sewer Total			\$ 2,541,771.54	\$ 2,497,083.49	\$ 2,692,161.35	\$ 1,279,778.96	\$ 3,192,000.00	\$ 3,277,609.44	\$ 3,248,500.00	\$ -
Non Budgeted Expense										
07800400	46702	ARO Amortization	\$ -	\$ -	\$ 8,409.00	\$ -	\$ -	\$ -	\$ -	\$ -
07800400	47853	Pension Expense W/S	12,930.26	(26,254.69)	63,437.01	-	-	-	-	-
07800400	47854	OPEB Expense W/S	-	7,137.73	14,402.45	-	-	-	-	-
Sewer Total (Audited)			\$ 2,554,701.80	\$ 2,477,966.53	\$ 2,778,409.81	\$ 1,279,778.96	\$ 3,192,000.00	\$ 3,277,609.44	\$ 3,248,500.00	\$ -

(S) indicates those line items that reimburse the Internal Service Funds. Grounds Maintenance is now covered under Building Services.



VILLAGE OF ALGONQUIN
GENERAL SERVICES ADMINISTRATION

- M E M O R A N D U M -

DATE: February 8, 2021

TO: Committee of the Whole

FROM: Tim Schloneger, Village Manager

SUBJECT: *Proposed Budget – 2021/2022 - Cemetery & Swimming Pool Funds*

Attached are the proposed budgets for the two special funds of the cemetery and the swimming pool. The budgets include anticipated revenues and expenditures for fiscal year 2021/2022. Each of these special funds operates independently from the General Fund. The Swimming Pool Fund is supported by a budgeted transfer (\$192,175) from the General Fund to maintain a balance of revenues and expenditures.

Interest from the monies in the Cemetery Trust Account is intended to fund major repairs such as gravestones. The proposed expenditures for the Cemetery Fund and Swimming Pool Fund are balanced with expenditures at \$43,500 and \$220,000, respectively.

ANTICIPATED REVENUE - CEMETERY FUND - \$44,000

The Cemetery Fund operates like a true enterprise fund, in which revenues from user fees are the primary funding mechanism for operational expenditures. It is important that user fees in this fund correspond directly to expenditures to ensure the long-term financial stability of the Algonquin Cemetery. Further, implementation of administrative rules for the Cemetery Oversight Act require additional performance standards and licensing fees for municipal cemeteries, which are accounted for in the fee schedule.

Estimated revenue for the Cemetery Fund includes interest, purchases of gravesites, fees for grave openings, and revenue from the telecommunications tower located on the cemetery site (rental income).

The \$1,500 under the perpetual care revenue line item is from proceeds received for the purchase of gravesites and used for major cemetery repair anticipated in the future (when there are no more sales of gravesites); revenues from this source should not be spent on annual maintenance expenses other than headstone repairs.

ESTIMATED EXPENDITURES - CEMETERY FUND \$43,500

ACCOUNT 42234, PROFESSIONAL SERVICES - \$31,200 - This item accounts for the majority of the cemetery expenditures. It is reflective of the current contract for maintenance of the cemetery which consists of all lawn mowing, weed control, trimming, snow removal, and leaf raking. When monuments or markers become so dilapidated as to disfigure the remainder of the cemetery, the Village as trustee may require to either have the markers or monuments repaired by the friends or relatives of the owner of the lot or to remove the markers.

ACCOUNT 42236, INSURANCE - \$1,500 - This item identifies the portion of the liability insurance premium that is allocated to the Cemetery Fund.

ACCOUNT 42290, GRAVE OPENINGS - \$10,000 - This expenditure is an estimation based on the number of grave openings anticipated throughout the fiscal year. This revenue estimation can only be based on past trends.

ACCOUNT 43319, SUPPLIES - \$500 - This item relates to bulk materials that will be purchased for the maintenance of the cemetery beyond those covered under the maintenance contract. Funds are provided for plants, seed/dirt, and gravel to enhance the appearance of the cemetery.

SUMMARY - CEMETERY FUND

The recommendations proposed in this budget are in line with the amount of activity seen over the past few years. Needed maintenance can continue to improve the appearance of the cemetery and the respect fitting for this facility.

ANTICIPATED REVENUE - SWIMMING POOL FUND - \$220,000

RENTAL INCOME - \$8,500 - This revenue item covers rental fees for pool parties scheduled after hours and reimbursement for staff time needed to oversee swim team and school use of the pool when the general public is not in attendance. It also includes locker rental and the use agreement with the Trails Swim Team for use of the facility.

SWIMMING ANNUAL FEES - \$0 –We will not be offering season passes this year due to the pandemic.

DAILY FEES - \$15,000 - This line item estimates the amount of daily fees from non-pass users. The revenue typically varies from year to year due to weather conditions and temperatures during the season. It has been reduced as a result of the pandemic.

LESSONS - \$4,000- This account recognizes the fees collected for swim lessons, which remains one of the pool's most popular programs.

CONCESSIONS - \$200 – Essentially zero revenue projected as the result of the pandemic. Traditional concessions will not be offered this year and guest will be inviting to bring their own food and beverages for consumption in designated areas.

INTEREST - \$25 - This account is an estimate of return on investment of cash reserves accumulated within the Pool Fund.

TRANSFER FROM GENERAL FUND - \$192,175 - This item identifies the amount to be transferred from the General Fund to supplement and balance this fund. The ideal goal is to have the pool revenue cover all its operating expenses, however, this is typically not the norm with aquatic facilities in our region. Coupled with the facility age, new state and federal regulations for pools, and other swimming and aquatic alternatives in the area have resulted in the need for a transfer from the General Fund. Eighty-seven percent (87%) of the pool revenue is accounted for by this transfer, a higher number than typical as a result of the pandemic and a very conservative approach to our budget this year.

ESTIMATED EXPENDITURES – SWIMMING POOL FUND - \$220,000

PERSONNEL - \$82,400 - Personnel at the swimming pool are focused towards service and safety. Personnel expenditures are one of the largest operating costs for the swimming pool. The personnel expenditures include salaries, unemployment tax, and FICA. Additional funds have been included this year for wage increases related to the Illinois minimum wage law, as well as an employee referral program to encourage pool staff to help recruit Lifeguard positions, which has been challenging in recent years.

CONTRACTUAL SERVICES - \$29,700 - The majority of contractual services include the use of utilities (gas, phone, electric, and water). Contractual services are proposed at a similar level of spending as compared to the previous year.

SUPPLIES AND MAINTENANCE - \$6,200 - This expenditure account includes the general operational needs for office supplies, ID supplies, software, cash register, and pool forms. An automatic pool cleaner unit is also proposed this year, which will operate during evening hours, eliminating the need for staff to perform this task.

MAINTENANCE - \$92,000 - General pool and building maintenance items such as paint, chemicals, and other supplies make up the costs under this category. Public Works Building Services Division will continue maintenance of the bath house at the pool and will bill labor and supplies (chemicals) appropriate from the 44423 account.

OTHER CHARGES - \$9,700 - These accounts cover CPR, first aid training, and the cost of concessions. Health and safety certifications for pool staff and uniform and safety items, which include bathing suits, t-shirts, first aid packs, and whistles/safety equipment, are all covered under the “Other Charges” category. The concession line item covers the purchase of concessions offered to the pool customers for the entire pool season.

SUMMARY - SWIMMING POOL FUND

The Swimming Pool Fund is proposed to be balanced with required improvements and maintenance of the facility. With a subsidy from the General Fund (87% of the pool’s expenses) to cover maintenance costs, recreational swimming opportunities continue to be offered to the public in the 2021 swim season at affordable rates. Like any other park or recreational facility, recognizing market trends and consumer expectations are paramount for a successful parks and recreation program that meets the needs of the community. The Village’s update of the Parks and Recreation Master Plan will assist in determining the future direction and service delivery alternatives for park and recreation facility (including aquatics) development consistent with resident demand and expectations. The FY 21/22 budget as proposed will continue to provide aquatic recreational opportunities to our community at a good value.

Cemetery Fund

Revenues

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Budget
02000100	34100	Rental Income ¹	\$ 22,688.86	\$ 23,369.53	\$ 24,070.62	\$ 24,792.74	\$ 24,500.00	\$ 25,000.00
02000100	34300	Lots & Graves	8,600.00	5,850.00	5,400.00	3,050.00	5,000.00	5,000.00
02000100	34310	Grave Opening	16,350.00	8,450.00	10,400.00	9,200.00	12,000.00	12,000.00
02000100	34320	Perpetual Care ²	2,500.00	1,750.00	1,500.00	1,000.00	1,500.00	1,500.00
02000500	36001	Interest	8.07	13.87	13.77	3.80	-	-
02000500	36020	Interest - Investment Pools	2,843.09	5,217.59	4,633.54	457.41	4,000.00	500.00
02000500	36026	Interest - Cemetery Trust ²	16.75	28.54	42.18	16.93	-	-
Cemetery Fund Total			\$ 53,006.77	\$ 44,679.53	\$ 46,060.11	\$ 38,520.88	\$ 47,000.00	\$ 44,000.00
¹ - Rental Income includes the annual rental payment for a ground lease by a wireless service provider at the cemetery.								
² - Restricted Account								

Cemetery Fund

Expenditures

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Dept.	Manager	Budget
02400100	42225	Bank Processing Fees	\$ -	\$ -	\$ 112.49	\$ 90.86	\$ 200.00	\$ 300.00	\$ 300.00	\$ -
02400100	42234	Professional Services	26,957.93	20,640.00	21,204.00	9,860.00	31,200.00	31,200.00	31,200.00	-
02400100	42236	Insurance	1,084.11	1,027.20	1,281.00	1,444.50	1,500.00	1,500.00	1,500.00	-
02400100	42290	Grave Opening	12,800.00	6,900.00	9,250.00	5,750.00	10,000.00	10,000.00	10,000.00	-
02400100	43319	Supplies	-	-	-	-	500.00	500.00	500.00	-
Cemetery Fund Total			\$ 40,842.04	\$ 28,567.20	\$ 31,847.49	\$ 17,145.36	\$ 43,400.00	\$ 43,500.00	\$ 43,500.00	\$ -

Swimming Pool Fund

Revenues

			FY 17/18 Actual	FY 18/19 Actual	FY 19/20 Actual	FY 20/21 Q2	FY 20/21 Budget	FY 21/22 Budget
05000100	33030	Donations-Operating-Gen. Gov.	\$ 126.00	\$ 1,614.20	\$ 56.00	\$ 115.00	\$ 100.00	\$ 100.00
05000100	34100	Rental Income ¹	26,153.80	29,005.00	28,361.60	-	28,500.00	8,500.00
05000100	34500	Swimming Annual Pass	31,865.00	35,670.00	32,195.00	-	35,000.00	-
05000100	34510	Swimming Daily Fees ²	25,885.35	28,826.00	25,800.25	-	26,500.00	15,000.00
05000100	34520	Swimming Lesson Fees	18,073.00	15,536.70	15,180.90	18.75	16,000.00	4,000.00
05000100	34560	Concessions	9,243.13	9,617.51	9,199.39	-	9,500.00	200.00
05000500	36001	Interest	67.36	84.04	4.56	0.38	100.00	25.00
05000500	37900	Miscellaneous Revenue	-	-	-	-	-	-
05000500	38001	Transfer from General Fund	80,617.42	142,589.21	182,468.30	32,630.37	158,400.00	192,175.00
Swimming Pool Fund Total			\$ 192,031.06	\$ 262,942.66	\$ 293,266.00	\$ 32,764.50	\$ 274,100.00	\$ 220,000.00
Notes:								
¹ - Trails Swim Team contribution.								
² - Includes reduced admission for groups.								

Swimming Pool Fund

Expenditures

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 21/22
			Actual	Actual	Actual	Q2 YTD	Budget	Dept.	Manager	Budget
Nondepartmental Personnel										
05900100	41104	FICA	\$ 5,459.32	\$ 4,919.00	\$ 5,654.94	\$ -	\$ 8,700.00	\$ 5,750.00	\$ 5,750.00	\$ -
05900100	41105	Unemployment Tax	606.62	466.14	572.87	-	900.00	650.00	650.00	-
05900100	41110	Salaries	71,363.96	62,591.49	72,823.32	-	113,000.00	75,000.00	75,000.00	-
05900100	41140	Overtime	-	1,708.92	1,097.81	-	2,000.00	1,000.00	1,000.00	-
Subtotal			\$ 77,429.90	\$ 69,685.55	\$ 80,148.94	\$ -	\$ 124,600.00	\$ 82,400.00	\$ 82,400.00	\$ -
Contractual Services										
05900100	42210	Telephone	\$ 1,440.41	\$ 1,550.73	\$ 1,605.40	\$ 776.36	\$ 2,300.00	\$ 2,400.00	\$ 2,400.00	\$ -
05900100	42211	Natural Gas	3,588.50	3,769.17	4,548.79	658.28	4,800.00	4,800.00	4,800.00	-
05900100	42212	Electric	5,097.70	5,629.92	5,826.39	567.13	6,000.00	6,000.00	6,000.00	-
05900100	42213	Water	4,425.77	4,963.62	5,584.53	-	6,500.00	6,500.00	6,500.00	-
05900100	42225	Bank Processing Fees	-	-	594.34	-	800.00	800.00	800.00	-
05900100	42234	Professional Services	1,040.00	2,221.68	525.00	-	300.00	200.00	200.00	-
05900100	42236	Insurance	6,575.97	7,033.68	6,680.67	8,491.37	9,000.00	9,000.00	9,000.00	-
Subtotal			\$ 22,168.35	\$ 25,168.80	\$ 25,365.12	\$ 10,493.14	\$ 29,700.00	\$ 29,700.00	\$ 29,700.00	\$ -
Supplies & Materials										
05900100	43308	Office Supplies	\$ 951.25	\$ 837.73	\$ 751.74	\$ -	\$ 500.00	\$ 200.00	\$ 200.00	\$ -
05900100	43320	Tools, Equipment & Supplies	10,336.06	7,128.21	6,537.91	4,793.75	18,600.00	6,000.00	6,000.00	-
05900100	43332	Office Furniture & Equipment	-	-	-	-	-	-	-	-
05900100	43333	IT Equipment	419.90	-	-	-	2,400.00	-	-	-
05900100	43370	Infrastructure Maintenance	-	-	54,175.00	3,417.50	-	-	-	-
Subtotal			\$ 11,707.21	\$ 7,965.94	\$ 61,464.65	\$ 8,211.25	\$ 21,500.00	\$ 6,200.00	\$ 6,200.00	\$ -
Maintenance										
05900100	44423	Building Services (S)	\$ 61,860.37	\$ 93,878.34	\$ 80,868.05	\$ 13,072.63	\$ 75,000.00	\$ 87,000.00	\$ 87,000.00	\$ -
05900100	44445	Outsourced Building Maint.	10,209.62	56,049.00	38,753.29	-	5,000.00	5,000.00	5,000.00	-
Subtotal			\$ 72,069.99	\$ 149,927.34	\$ 119,621.34	\$ 13,072.63	\$ 80,000.00	\$ 92,000.00	\$ 92,000.00	\$ -
Other Charges										
05900100	47701	Recreation Programs	\$ -	\$ 875.50	\$ 503.75	\$ -	\$ 1,400.00	\$ 1,000.00	\$ 1,000.00	\$ -
05900100	47740	Travel/Training/Dues	1,375.00	1,533.00	1,710.03	-	6,300.00	5,800.00	5,800.00	-
05900100	47760	Uniforms & Safety Items	1,602.42	1,234.34	1,192.75	-	2,800.00	2,600.00	2,600.00	-
05900100	47800	Concession Purchases	5,121.13	6,084.70	5,388.07	-	7,800.00	300.00	300.00	-
Subtotal			\$ 8,098.55	\$ 9,727.54	\$ 8,794.60	\$ -	\$ 18,300.00	\$ 9,700.00	\$ 9,700.00	\$ -
Swimming Pool Fund Total			\$ 191,474.00	\$ 262,475.17	\$ 295,394.65	\$ 31,777.02	\$ 274,100.00	\$ 220,000.00	\$ 220,000.00	\$ -
(S) indicates those line items that reimburse the Internal Service Funds. Note: Administrative support staff is not accounted for in Personnel line-items.										



VILLAGE OF ALGONQUIN
GENERAL SERVICES ADMINISTRATION

- M E M O R A N D U M -

DATE: February 8, 2021
TO: Committee of the Whole
FROM: Tim Schloneger, Village Manager
SUBJECT: Proposed Budget – 2021/2022 – Building Services Fund

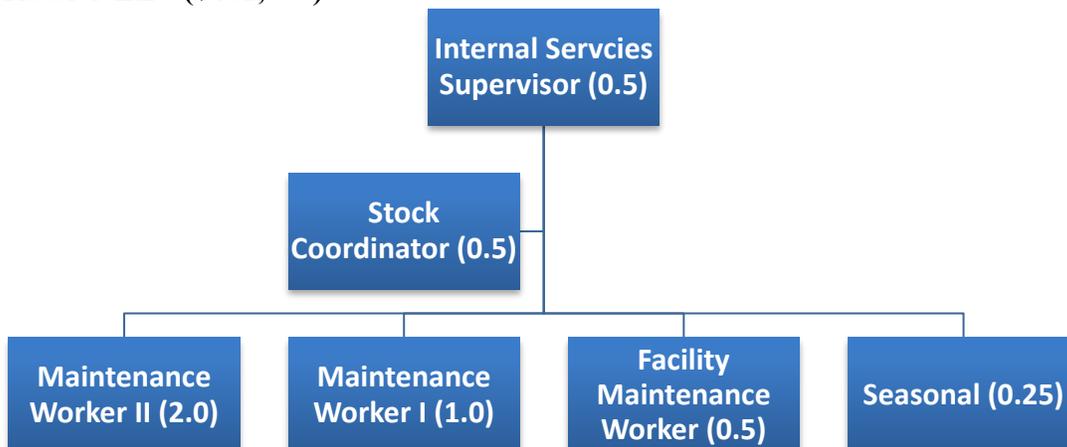
Building Services is a division in Public Works, and this fund functions in the same way as the Vehicle Maintenance Service Fund. The Building Services Fund is established to allow the building maintenance staff to plan routine maintenance procedures, generate more accurate staffing levels, and provide budgeting information reflective of the demand placed on each department and division of the Village for building maintenance. All equipment, supplies, and labor incurred with the maintenance of municipal buildings are estimated and then allocated to each department based on the facilities used by each department or division. This inter-service fund more accurately reflects the true costs of operating each department and division of the Village by including what is commonly called “building overhead” in each department’s respective budget.

ANTICIPATED REVENUE - (\$924,000)

The only source of revenue is the payment (reimbursement) from all Village departments for maintenance of their buildings and ancillary facilities.

PROPOSED EXPENDITURES - (\$924,000)

PERSONNEL - (\$461,700)



The line items under this category cover the statutory rates for IMRF, FICA, and unemployment tax, as well as the appropriate distributions of health insurance costs for employees within the Building Services Fund. The employees allocated to this fund are dedicated toward the 1) general administration & management; 2) operations and maintenance; 3) energy utilities and environmental stewardship; and 4) planning and minor construction repairs of our facilities. These employees work to increase the operational efficiency of our facilities and reduce the overall inventory, square footage and building ownership costs.

CONTRACTUAL – (\$37,000)

The line items under contractual services include those services that the Village will contract with outside vendors. The Building Services Division's portion of utility expenses, repeater lines, cleaning services, publications (such as safety manuals), printing, and lease payments for vehicles are covered under these line items.

SUPPLIES AND MATERIALS - (\$141,400)

These line items cover the purchase of building supplies (paper towels, cleaning items, etc.) and equipment (plumbing, HVAC, etc.) that are needed to maintain the facilities used by the Village. These products are purchased within the service fund as inventory. When the products are used for any of the Village's departments, the supplies and labor are charged to the particular department (via a shop ticket) as a building maintenance expense. Each department will be contributing their fair share of the cost for these supplies and materials, which are accounted for in the revenue side of the Building Services Fund.

MAINTENANCE (\$271,200)

These line items (except for item 44445) cover the maintenance expenses used within the Building Services Division. Line item 44445 (outsourced building maintenance) covers the costs of outsourcing building or equipment maintenance to an outside vendor for repairs, such as cleaning services and HVAC control maintenance. The specific department or departments will be charged for the outsourcing of the repair for their particular building space, as is done with in-house repairs.

CAPITAL EXPENDITURES - \$0

No capital expenditures are anticipated.

OTHER CHARGES - (\$12,700)

Other charges include the Division's share of travel, training, and dues for professional organizations, as well as uniforms and safety equipment needed by Maintenance personnel.

SUMMARY – BUILDING SERVICES FUND

The Building Services Fund is a self-balancing fund, with the expenditures being offset by the revenues generated from each department of the Village. The charges to each department are based on the building maintenance and supply needs of that specific department. Although facilities continue to age, there are no major capital improvements planned. The maintenance of the Village's facilities is an investment that must be sustained to ensure long-term benefit for employees and residents. This will translate into improved public services to the citizens of the Village in the long run.

Building Services Fund

Revenues

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Budget
28	33160	Donations	\$ 120.00	\$ 120.00	\$ 120.00	\$ 310.00	\$ -	\$ -
28	34900	Building Services Billings	842,417.09	846,479.60	722,944.16	376,450.12	880,000.00	924,000.00
28	37110	Insurance Claims	-	-	-	-	-	-
28	37905	Sale of Surplus Property	170.69	922.08	12,205.00	1,796.37	-	-
Building Services Fund Total			\$ 842,707.78	\$ 847,521.68	\$ 735,269.16	\$ 378,556.49	\$ 880,000.00	\$ 924,000.00

Building Services Fund

Expenses

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 22/22
			Actual	Actual	Actual	Q2 YTD	Budget	Dept.	Manager	Budget
Personnel										
28900000	41103	IMRF	\$ 37,427.85	\$ 34,717.33	\$ 26,755.71	\$ 15,995.85	\$ 35,000.00	\$ 40,000.00	\$ 40,000.00	\$ -
28900000	41104	FICA	25,805.94	25,596.59	20,857.39	10,941.66	26,000.00	27,000.00	27,600.00	-
28900000	41105	Unemployment Tax	546.74	476.09	458.71	31.49	600.00	600.00	600.00	-
28900000	41106	Health Insurance	51,311.59	51,286.21	46,933.59	24,545.62	54,000.00	55,000.00	55,000.00	-
28900000	41110	Salaries	334,450.60	325,689.60	275,638.33	146,871.66	310,000.00	326,500.00	326,500.00	-
28900000	41140	Overtime	12,478.48	18,764.21	7,129.34	1,582.41	12,000.00	12,000.00	12,000.00	-
Subtotal			\$ 462,021.20	\$ 456,530.03	\$ 377,773.07	\$ 199,968.69	\$ 437,600.00	\$ 461,100.00	\$ 461,700.00	\$ -
Contractual Services										
28900000	42210	Telephone	\$ 3,856.08	\$ 4,418.19	\$ 4,596.96	\$ 1,865.12	\$ 5,800.00	\$ 5,800.00	\$ 6,000.00	\$ -
28900000	42215	Repeater Lines	-	-	-	-	8,250.00	8,750.00	8,800.00	-
28900000	42234	Professional Services	32,777.00	53.50	125.50	125.50	250.00	1,350.00	1,350.00	-
28900000	42242	Publications	-	15.94	-	-	250.00	250.00	250.00	-
28900000	42243	Printing & Advertising	-	-	-	-	550.00	550.00	550.00	-
28900000	42260	Physical Exams	60.00	84.45	35.00	-	150.00	150.00	150.00	-
28900000	42270	Equipment Rental	-	403.20	72.80	-	500.00	500.00	500.00	-
28900000	42272	Principal Lease Payments	-	-	4,103.87	4,845.30	6,600.00	19,400.00	19,400.00	-
Subtotal			\$ 36,693.08	\$ 4,975.28	\$ 8,934.13	\$ 6,835.92	\$ 22,350.00	\$ 36,750.00	\$ 37,000.00	\$ -
Supplies & Materials										
28900000	43308	Office Supplies	\$ 150.00	\$ 128.74	\$ -	\$ -	\$ 250.00	\$ 250.00	\$ 300.00	\$ -
28900000	43317	Postage	-	-	157.88	-	500.00	500.00	500.00	-
28900000	43319	Building Supplies	142,256.74	120,072.03	123,642.27	53,667.64	133,750.00	\$ 130,895.00	\$ 130,900.00	\$ -
28900000	43320	Tools, Equipment & Supplies	4,295.49	4,715.47	2,782.95	32.97	6,900.00	2,900.00	2,900.00	-
28900000	43332	Office Furniture & Equipment	-	-	245.00	-	-	-	-	-
28900000	43333	IT Equipment	1,071.01	4,405.25	1,818.71	-	4,900.00	4,300.00	4,300.00	-
28900000	43340	Fuel (S)	2,871.36	2,680.90	1,367.80	521.73	3,000.00	2,500.00	2,500.00	-
Subtotal			\$ 150,644.60	\$ 132,002.39	\$ 130,014.61	\$ 54,222.34	\$ 149,300.00	\$ 141,345.00	\$ 141,400.00	\$ -
Maintenance										
28900000	44420	Vehicle Maintenance (S)	\$ 5,208.03	\$ 4,995.07	\$ 2,846.20	\$ 1,231.29	\$ 6,000.00	\$ 4,000.00	\$ 4,000.00	\$ -
28900000	44421	Equipment Maintenance (S)	115.50	1,462.16	4,253.25	-	5,000.00	3,000.00	3,000.00	-
28900000	44426	Office Equipment Maintenance	616.05	688.15	657.78	614.20	1,000.00	550.00	550.00	-
28900000	44445	Outsourced Building Maint. (S)	193,297.52	237,126.86	221,737.44	136,178.21	248,300.00	500,540.00	263,650.00	-
Subtotal			\$ 199,237.10	\$ 244,272.24	\$ 229,494.67	\$ 138,023.70	\$ 260,300.00	\$ 508,090.00	\$ 271,200.00	\$ -
Capital Expenditures										
28900000	43335	Vehicles & Equipment	\$ -	\$ -	\$ 6,025.00	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal			\$ -	\$ -	\$ 6,025.00	\$ -	\$ -	\$ -	\$ -	\$ -
Other Charges										
28900000	47740	Travel, Training & Dues	\$ 12,093.40	\$ 9,649.97	\$ 5,955.25	\$ 2,954.00	\$ 4,200.00	\$ 4,170.00	\$ 4,450.00	\$ -
28900000	47760	Uniforms & Safety Items	3,394.08	5,047.10	4,963.58	1,144.25	4,450.00	5,150.00	5,150.00	-
28900000	47776	Parts Cost of Sales Variance	(21,376.10)	(4,955.33)	(22,499.99)	(25,548.93)	-	-	-	-
28900000	47790	Interest Lease Expense	-	-	781.84	956.52	1,800.00	3,100.00	3,100.00	-
Subtotal			\$ (5,888.62)	\$ 9,741.74	\$ (10,799.32)	\$ (20,494.16)	\$ 10,450.00	\$ 12,420.00	\$ 12,700.00	\$ -
Building Services Fund Total			\$ 842,707.36	\$ 847,521.68	\$ 741,442.16	\$ 378,556.49	\$ 880,000.00	\$ 1,159,705.00	\$ 924,000.00	\$ -
Non Budgeted Expense										
28900000	47780	Depreciation Expense	\$ 6,173.00	\$ 6,173.00			\$ -			
FY 21/22 Total			\$ 848,880.36	\$ 853,694.68	\$ 741,442.16	\$ 378,556.49	\$ 880,000.00	\$ 1,159,705.00	\$ 924,000.00	\$ -

(S) indicates those line items that reimburse Internal Service Funds.



VILLAGE OF ALGONQUIN
GENERAL SERVICES ADMINISTRATION

- M E M O R A N D U M -

DATE: February 8, 2021

TO: Committee of the Whole

FROM: Tim Schloneger, Village Manager

SUBJECT: Proposed Budget – 2021/2022 – Vehicle Maintenance Service Fund

The Vehicle Maintenance Service Fund is established to account for all the vehicle and equipment maintenance necessary across all departments of the Village. Fuel, parts, and labor expenses incurred as part of the Village's annual vehicle maintenance are estimated and then allocated to each department based on service needed for the maintenance of vehicles and equipment. In addition, this service fund has similar overhead expenditures of "contractual services," "supplies," "maintenance," and "training" as do other department budgets. The Vehicle Maintenance Fund coordinates the daily maintenance of approximately 330 vehicles and various other pieces of equipment (i.e., mowers, other maintenance equipment) that comprise the Village's fleet and equipment. The number of vehicles and equipment includes the fleet maintenance service to the Algonquin/Lake in the Hills Fire Protection District.

ANTICIPATED REVENUE - (\$1,163,000)

There are four sources of revenue for this fund. They include payments from: (1) all Village departments for maintenance of their vehicles and equipment (\$815,000); (2) the purchase of fuel by each department of the Village (\$188,000); (3) the purchase of fuel by the Algonquin/Lake in the Hills Fire Protection District (\$50,000); and (4) outsourced fleet maintenance billings to the Algonquin/Lake in the Hills Fire Protection District (\$110,000).

PROPOSED EXPENDITURES - (\$1,163,000)

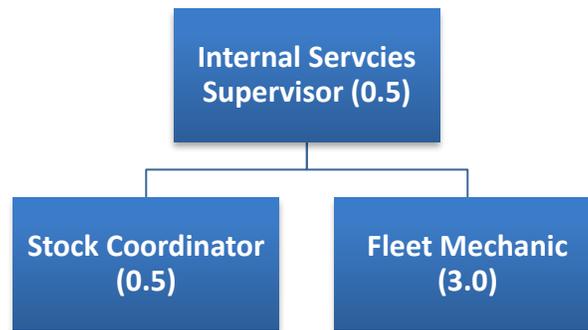
PERSONNEL - (\$443,000)

The line items under this category cover the statutory rates for IMRF, FICA, and unemployment tax, as well as the appropriate distributions of health insurance costs for employees within the Vehicle Maintenance Service Fund. Salaries and overtime are based on existing staffing levels of this division of Public Works.

Responsibilities include the following:

- A. Operations: maintenance of vehicles, equipment and fixed equipment, parts, facilities management, fuel and lubricants management, and repair policies and strategies.
- B. Asset Management: needs determination, research acquisition, utilization, replacement and disposal of vehicle, equipment and fixed equipment, and parts.

- C. Financial Management: budgeting, cost recovery, fleet operating purchasing, vehicle replacement funding, and record keeping.
- D. Risk Management: workplace safety management, vehicle damage, contract compliance, regulatory compliance, and security.
- E. Environmental Management: Shop Best Practices and Regulatory Compliance.



CONTRACTUAL SERVICES – (\$36,300)

The line items under contractual services include those services that the Village will contract with outside vendors. The Vehicle Maintenance Division’s portion of utility expenses, cleaning services, publications (such as shop-repair manuals), and printing are covered under these line items.

SUPPLIES AND MATERIALS - (\$540,700)

These line items cover the purchase of fuel, parts, supplies, lubricants, batteries, etc. that are needed for upkeep of all vehicles and equipment used by the Village. These products are purchased within the service fund as inventory. When the products are used for any of the Village’s fleet vehicles, the parts and labor are charged to the particular department (via a shop ticket) as a vehicle maintenance expense. Each department will be contributing their share of the cost for these parts and materials, which are accounted for in the revenue side of the Vehicle Maintenance Service Fund.

MAINTENANCE (\$128,100)

These line items (except for item 44440) cover the maintenance expenses for the vehicles and equipment used within the Vehicle Maintenance Division. Line item 44440 (out-sourced vehicle and equipment maintenance) covers the costs of sending fleet vehicles or equipment to an outside vendor for repairs. The specific department will be charged for the outsourcing of the repair for their vehicles, as is done with in-house repairs.

CAPITAL EXPENDITURES - (\$0)

No funds are budgeted.

OTHER CHARGES - (\$14,900)

Other charges include the Division’s share of travel, training, and dues for professional organizations, as well as uniforms and safety equipment needed by the mechanics.

SUMMARY - VEHICLE MAINTENANCE SERVICE FUND

The Vehicle Maintenance Service Fund is a self-balancing fund with the expenditures being offset by the revenues (reimbursements) generated from each department of the Village. The charges to each department are based on the fleet vehicles and equipment maintenance needs of that specific department. The costs of fuel and automotive parts and supplies likewise are difficult to predict, but savings in more efficient vehicles are helping to offset increasing

costs of fuel. Quality vehicle maintenance of an aging fleet can adequately maintain vehicle and equipment reliability. The solid reliability of the Village's vehicles and equipment has resulted in reduced "down time" and has provided more efficient use of the Village's personnel and equipment. This will translate into improved public services to the citizens of the Village.

Vehicle Maintenance Service Fund

Revenues

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22
			Actual	Actual	Actual	Q2	Budget	Budget
29	33160	Donations	\$ 120.00	\$ 120.00	\$ 150.00	\$ 310.00	\$ -	\$ -
29	34900	Maintenance Billings	760,913.24	688,313.98	644,134.98	332,813.63	830,000.00	815,000.00
29	34920	Fuel Billings	194,212.83	197,355.69	168,611.16	55,959.75	192,000.00	188,000.00
29	34921	Fire District Fuel Billings	44,644.77	49,145.98	45,773.07	13,996.00	46,000.00	50,000.00
29	34922	IGA - Fleet Maintenance	133,545.51	136,532.11	90,278.47	36,468.58	110,000.00	110,000.00
29	37710	Insurance Claims	-	-	-	-	-	-
29	37905	Sale of Surplus Property	454.38	341.14	1,458.00	1,796.37	-	-
Vehicle Maintenance Service Fund Total			\$ 1,133,890.73	\$ 1,071,808.90	\$ 950,405.68	\$ 441,344.33	\$ 1,178,000.00	\$ 1,163,000.00

Vehicle Maintenance Service Fund

Expenses

			FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 20/21	FY 21/22	FY 21/22	FY 21/22
			Actual	Actual	Actual	Q2 YTD	Budget	Dept.	Manager	Budget
Personnel										
29900000	41103	IMRF	\$ 30,193.74	\$ 29,170.19	\$ 27,037.28	\$ 16,110.60	\$ 37,000.00	\$ 40,000.00	\$ 40,000.00	\$ -
29900000	41104	FICA	20,599.57	21,393.47	20,663.55	10,880.35	25,000.00	24,500.00	24,500.00	-
29900000	41105	Unemployment Tax	414.65	442.56	418.56	19.66	600.00	500.00	500.00	-
29900000	41106	Health Insurance	44,261.92	46,990.01	46,843.76	27,322.50	53,000.00	61,000.00	61,000.00	-
29900000	41110	Salaries	271,212.85	282,391.16	277,740.25	148,416.61	305,000.00	309,000.00	309,000.00	-
29900000	41140	Overtime	6,976.55	6,628.64	2,069.18	78.82	7,900.00	7,900.00	8,000.00	-
Subtotal			\$ 373,659.28	\$ 387,016.03	\$ 374,772.58	\$ 202,828.54	\$ 428,500.00	\$ 442,900.00	\$ 443,000.00	\$ -
Contractual Services										
29900000	42210	Telephone	\$ 4,890.40	\$ 4,841.31	\$ 4,833.70	\$ 1,922.68	\$ 5,300.00	\$ 5,280.00	\$ 5,500.00	\$ -
29900000	42211	Natural Gas	-	-	259.51	-	-	-	-	-
29900000	42215	Repeater Lines	-	-	-	-	8,250.00	8,760.00	8,800.00	-
29900000	42234	Professional Services	6,737.84	7,111.83	7,226.60	6,427.99	10,150.00	10,150.00	10,150.00	-
29900000	42242	Publications	1,500.00	1,500.00	2,349.00	1,525.49	4,400.00	5,750.00	5,750.00	-
29900000	42243	Printing & Advertising	-	-	26.09	-	550.00	550.00	550.00	-
29900000	42260	Physical Exams	-	207.50	-	-	150.00	150.00	150.00	-
29900000	42270	Equipment Rental	1,162.01	2,127.93	221.39	1,048.28	3,000.00	3,000.00	3,000.00	-
29900000	42272	Principal Lease Payments	-	-	1,335.13	1,119.12	8,200.00	2,400.00	2,400.00	-
Subtotal			\$ 14,290.25	\$ 15,788.57	\$ 16,251.42	\$ 12,043.56	\$ 40,000.00	\$ 36,040.00	\$ 36,300.00	\$ -
Supplies & Materials										
29900000	43308	Office Supplies	\$ 200.00	\$ 79.80	\$ -	\$ -	\$ 225.00	\$ 225.00	\$ 300.00	\$ -
29900000	43317	Postage	13.35	-	65.14	21.27	425.00	400.00	400.00	-
29900000	43320	Tools, Equipment & Supplies	14,442.76	4,533.11	367.28	960.99	8,700.00	8,800.00	8,800.00	-
29900000	43332	Office Furniture & Equipment	-	136.00	245.00	-	-	-	-	-
29900000	43333	IT Equipment	2,567.86	3,755.25	-	-	1,400.00	-	-	-
29900000	43340	Fuel (S)	3,201.93	2,105.28	2,606.76	675.67	2,500.00	2,500.00	2,500.00	-
29900000	43350	Fleet Parts/Fluids (S)	283,964.00	268,178.89	242,912.91	113,127.10	311,450.00	290,700.00	290,700.00	-
29900000	43351	Fuel - Cost of Sales (S)	218,632.33	229,061.56	209,547.10	72,168.14	238,000.00	238,000.00	238,000.00	-
Subtotal			\$ 523,022.23	\$ 507,849.89	\$ 455,744.19	\$ 186,953.17	\$ 562,700.00	\$ 540,625.00	\$ 540,700.00	\$ -
Maintenance										
29900000	44420	Vehicle Maintenance (S)	\$ 3,674.99	\$ 3,440.58	\$ 3,772.09	\$ 2,453.48	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -
29900000	44421	Equipment Maintenance (S)	-	903.50	394.95	1,897.68	2,500.00	2,500.00	2,500.00	-
29900000	44423	Building Services (S)	62,262.79	56,138.69	46,801.44	26,614.76	60,000.00	60,000.00	60,000.00	-
29900000	44426	Office Equipment Maint.	631.94	688.15	657.78	241.60	1,000.00	550.00	600.00	-
29900000	44440	Outsourced Maintenance (S)	50,609.73	36,091.93	39,156.66	24,486.15	60,000.00	60,000.00	60,000.00	-
Subtotal			\$ 117,179.45	\$ 97,262.85	\$ 90,782.92	\$ 55,693.67	\$ 128,500.00	\$ 128,050.00	\$ 128,100.00	\$ -
Capital Expenditures										
29900000	45590	Capital Purchase	\$ -	\$ 21,866.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal			\$ -	\$ 21,866.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Charges										
29900000	47740	Travel, Training & Dues	\$ 7,766.19	\$ 3,282.37	\$ 3,347.74	\$ 179.00	\$ 7,000.00	\$ 6,900.00	\$ 7,100.00	\$ -
29900000	47760	Uniforms & Safety Items	7,434.26	8,041.54	8,602.29	3,223.34	9,200.00	7,150.00	7,200.00	-
29900000	47775	Fuel Inventory Variance	20,062.33	17,140.09	4,837.13	-	-	-	-	-
29900000	47776	Parts/Fluid Inventory Variance	28,005.74	13,561.27	(4,212.33)	(23,291.26)	-	-	-	-
29900000	47790	Interest Lease Expense	-	-	279.64	274.01	2,100.00	600.00	600.00	-
Subtotal			\$ 63,268.52	\$ 42,025.27	\$ 12,854.47	\$ (19,614.91)	\$ 18,300.00	\$ 14,650.00	\$ 14,900.00	\$ -
Vehicle Maintenance Service Fund Total			\$ 1,091,419.73	\$ 1,071,808.90	\$ 950,405.58	\$ 437,904.03	\$ 1,178,000.00	\$ 1,162,265.00	\$ 1,163,000.00	\$ -
Non Budgeted Expense										
2900000	47780	Depreciation Expense	\$ 16,047.00	\$ 16,047.00	\$ 16,047.00	\$ -	\$ -	\$ -	\$ -	\$ -
FY 21/22 Total			\$ 1,107,466.73	\$ 1,087,855.90	\$ 966,452.58	\$ 437,904.03	\$ 1,178,000.00	\$ 1,162,265.00	\$ 1,163,000.00	\$ -
(S) indicates those line items that reimburse the Internal Service Funds.										



VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT

– M E M O R A N D U M –

DATE: February 9, 2021

TO: Bob Mitchard, Public Works Director

FROM: Steve Ludwig, General Services Superintendent

SUBJECT: Annual Downtown Flowers and Planter Bed Maintenance Program Recommendation

We have processed a request for proposals for the annual downtown flowers and planter bed maintenance program. The proposal packet is attached which shows the extent of this annual task. We are grateful for support in contracting this work.

The request for proposals was distributed to five qualified vendors, of which two responded. Both respondents are qualified contractors and would serve us to the level of quality this program requires. The proposals were priced as follows:

Services	Sebert Landscape	Moore Landscaping
Maintenance:		
Street Bed/Bridge Rail Planter Maint.	\$ 7,673.00	\$ 16,812.00
Seasonal Rotation Maint.	\$ 43,325.00	\$ 28,821.12
Seasonal Rotations:		
Hanging Baskets (Downtown Parks)	\$ 6,866.00	\$ 11,915.15
Hanging Baskets (Main St.)	\$ 24,722.00	\$ 15,789.59
Free Standing Planters	\$ 20,798.00	\$ 20,912.14
Contract Total for 1 Year:	\$ 103,384.00	\$ 94,250.00
Monthly Payment:	\$ 12,923.00	\$ 7,854.16
Number of Visits for Maintenance:	Min. of 8	28
Projected Visits for Watering:	3 per wk/30 wks.	76

Moore Landscapes of Northbrook, Illinois is the contractor who has been providing this service for the last two years. They have provided an excellent product, excellent service, and have been very reliable. The budget for this work is pending budget approval, but has been reduced in cost this year by just shy of \$12,000.

We are excited to begin another season of maintenance of this wonderful Village asset. I, therefore, recommend the Village Board award this work for \$94,250 to Moore Landscapes of Northbrook, IL.

I look forward to your response.

Village of Algonquin
Request for Proposals
LANDSCAPE MAINTENANCE SERVICES



ISSUE DATE: January 18, 2021

RFP RESPONSE DEADLINE: February 3, 2021

PROPOSALS RECEIVED AFTER THE SUBMISSION DEADLINE WILL BE DELETED OR RETURNED UNOPENED

RFP COORDINATOR:

Steve Ludwig
General Services Superintendent
110 Meyer Drive
Algonquin, IL 60102
Telephone: 847-658-2754 ex. 4411
Email: steveldudwig@algonquin.org

Summary

The Village of Algonquin request proposals from companies to provide **Landscape Maintenance Services for Downtown Algonquin**.

Issued:	January 18, 2021
Service Requested	Landscape Maintenance Services
RFP Closing Date/Time:	February 3 rd , 2021 – 3 P.M.
RFP Contact:	Steve Ludwig, General Services Superintendent 847-658-2754 ext. 4411 steveludwig@algonquin.org (preferred contact method)

Proposals must be sealed and delivered, or emailed with required signatures and documentation to the attention of Steve Ludwig, General Services Superintendent, Village of Algonquin, 110 Meyer Drive Algonquin, IL 60102 on or before February 3rd, 2021 no later than 3:00 PM. Due to pandemic closure of this building, if you are submitting non-digitally, please email steveludwig@algonquin.org to schedule a delivery time. There will not be a public proposal opening.

All late proposals will be rejected.

A duly authorized representative of the firm must sign all proposals.

All unsigned proposals will be automatically rejected.

The Village of Algonquin administration will competitively evaluate all qualified proposals and present a recommendation to enter into an agreement with the Board of Trustees at the February 9th, 2021 Committee of the Whole meeting.

We appreciate your interest in The Village of Algonquin and look forward to your response.

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Instructions to Proposers

INVITATION TO PROPOSE:

Village of Algonquin invites your firm to submit a proposal in accordance with this Request for Proposals (RFP) for **Landscape Maintenance Services** for landscaping located in downtown Algonquin, Illinois. Your response to this request will be evaluated to determine the qualifications of your firm. Proposals must adhere to the format and content of this RFP. Proposals will not be evaluated unless all parts requested are submitted in a complete proposal package. The information set forth is the minimum required in order to qualify for consideration. The successful proposer shall be required to enter into a landscape maintenance agreement based on the specifications outlined in this RFP.

GENERAL INFORMATION:

The Village of Algonquin, a home rule community as defined by the Illinois Constitution, was incorporated in 1890 and is located approximately 45 miles northwest of the City of Chicago in McHenry and Kane Counties. Algonquin has a land area of 12 square miles and a population of 30,046 as certified in the 2010 Decennial Census.

Policy making and legislative authority are vested in the Village Board, which consists of the President and six trustees. The Village Board is responsible, among other things, for passing ordinances, adopting the budget, appointing committees and hiring the Village Manager and Village Attorney. The Village Manager is responsible for carrying out the policies and ordinances of the Village Board, for overseeing the day-to-day operations of the Village, and for appointing the heads of the Village's departments.

The Village provides a full range of services including police protection, construction and maintenance of streets and other infrastructure, parks and recreation, community development, general services administration, and the operating of the water and wastewater facilities.

The Village owns and maintains 21 active park sites (155 acres) plus an additional 512 acres of protected natural areas, naturalized storm water basins, and undeveloped park sites. Facilities include one (1) community center (Historic Village Hall) and one (1) outdoor swimming facility/splash pad. Recreation is staffed by 1.5 FTEs (not including seasonal staff at the Lions Armstrong Memorial Pool) in the General Services Administration Department and Parks and Forestry is staffed by 13.5 FTEs in the Public Works Department. The Village also partners with local school districts, library districts, churches, and private businesses to provide recreation and Village of Algonquin Comprehensive Parks and Recreation Master Plan RFP 4 leisure services to the community (approximately 1,000 courses offered annually).

In addition to being served by the Village of Algonquin for parks and recreation services, portions of the community are served by separate park districts including the Barrington Hills Park District, Dundee Township Park District, and Huntley Park District.

BACKGROUND:

The Village utilizes long-range planning to define a consistent future vision and strategic priorities as it forces the organization to imagine the desired future of its services, recognizing the realities of the external operating environment and developing an action plan to make the desired future a reality.

To provide the variety of facilities and programs to the Algonquin community and maintain a healthy financial condition, the Village's overall philosophy is to project revenues and expenses conservatively, and to use sound financial planning to achieve the strategic priorities, utilize existing reserves to maintain assets, take steps and allocate resources to address competition, attract and retain customers, and provide a balanced level of services and programs expected by the community. Furthermore, staff recognize that to ensure long-term financial sustainability, the Village must proactively divest in those programs/facilities with declining participation, and those that do not or cannot consistently reach established revenue benchmarks, while putting resources into areas with potential growth. As a result, the Village has had the fiscal agility to use reserves to address capital project needs, maximize and grow revenue, ensure adequate staffing, and undertake key strategic initiatives for long-term success.

To continue maintaining its aging infrastructure and offer the programs, services and new facilities and amenities the community desires, the Village Board and staff must continue to make measured decisions, balancing future community needs against the Village's sound fiscal condition, including implementing the cost recovery models developed during the program planning process, and determining realistic and financially feasible future priorities during the next comprehensive parks and recreation planning process. The key factors to all Village long-range planning process include the following:

- Engage stakeholders in the planning process to build consensus and support for the effective development and implementation of long-range plans;
- Conduct a needs assessment process to analyze community park and recreation needs and interests and identify the gaps to be addressed to meet those needs and interests;
- Assess the future vision of the organization and determine the strategic priorities to achieve that vision;
- Foster an awareness of the organization's presence and impact on the community;
- Develop a "living document," which reflects the outcomes of the process and provides clear direction on actions to be taken to address strategy and provides a foundation for the development of all other planning and operating documents (e.g., budget, capital, community survey, facility, and marketing plans);
- Ensure the most effective use of the organization's resources by focusing decision making and spending on strategic priorities.

RFP COORDINATOR:

The contact, identified below, is the sole point of contact regarding the RFP from the date of issuance until selection of the successful vendor. This contact information is also the address to submit proposals.

Steve Ludwig, General Services Superintendent
110 Meyer Drive
Algonquin, IL 60102
Telephone: 847-658-2754 ex. 4411
Email: steveludwig@algonquin.org

QUESTIONS REGARDING RFP:

Requests for clarification or additional information must be made in via email to the RFP Coordinator prior to the date specified in the RFP Schedule. The RFP Coordinator will be unable to respond to requests for additional information or clarification received after January 29th, 2021.

SUBMISSION OF PROPOSAL:

In order to qualify for the work on this project, proposers must submit all information requested in the following proposal forms. All proposals must remain in effect for at least 60 days from submittal. Village of Algonquin has the sole discretion to: (1) reject any and all proposals, and (2) negotiate the modification of any and all proposals with any proposer in whatever manner it deems in its best interest. There is no guarantee, either expressed or implied, that a landscape contract will be made to any firm.

CONTRACTOR INFORMATION:

Village of Algonquin may request additional information, samples, or references in support of proposals. Additional, Village of Algonquin may perform an interview with contractors under consideration to clarify any information provided, or to gather more evidence of managerial, financial, and technical abilities.

SITE TOURS:

Before submitting a proposal, each proposer shall have the opportunity to thoroughly examine the site and fully understand the conditions that in any way may affect the work proposed. Failure to inspect the site will in no way relieve the successful contractor from the necessity of furnishing any material or performing any labor necessary for the satisfactory completion of the work.

All proposers are invited to tour the site(s), on their own, or may contact steveludwig@algonquin.org to schedule a walk through, or clarify project details.

General Conditions

SCOPE:

The Village of Algonquin (hereafter referred to as “Owner”) is requesting proposals (hereafter referred to as “RFP(s)”) from qualified consulting firms (hereafter referred to as “Contractor”) to provide professional services to the Village for landscape maintenance services (hereafter referred to as “Maintenance”). The selected Firm will have proven experience and knowledge in landscape maintenance services, annual display installations and maintenance, project management and effective public involvement processes and work closely with Village staff in coordinating the maintenance of the Village’s landscape. Each proposer shall be responsible for researching the existing conditions and matters that affect the cost or performance of the services.

The Landscape Contractor shall furnish all labor, equipment tools, services, skills, etc., required to maintain the landscape in an attractive condition throughout the contract period. Maintenance of plant materials shall include but not be limited to pruning, fertilizing, watering, weeding and cleanups.

The intent is to maintain a High-Quality appearance of the property as determined by Owner. The Contractor shall maintain such appearance. Any discrepancies in the understanding of this clause shall be resolved in a manner as determined by the Owner.

AGREEMENT DURATION:

The term of the agreement shall be for a period of one (1) year with an option to renew for an additional three (3), one (1) year periods upon mutual agreement of the Owner and Contractor.

QUALITY CONTROL:

A single firm experienced in landscape maintenance of similar nature and scope shall perform work covered. Subject to approval of the Owner, the Contractor may subcontract the Maintenance to be performed under this Contract. However, the election to subcontract Maintenance shall not relieve the Contractor from responsibility or liability to which it has assumed under this Contract and the Contractor shall remain liable to the same extent that its liability would attach, as if the Maintenance had been performed by the Contractor’s own employees.

By Submitting the proposal, the Contractor certifies as to meeting the following requirements:

1. Has completed within the past five (5) years a minimum of five (5) municipal projects for whom they are currently working, and perform work of similar specifications and cost.
2. Maintains a permanent place of business, with a minimum of five (5) years in business.
3. Has access to all necessary equipment and has organizational capacity and technical competence necessary to do the work properly and expeditiously.
4. Will provide a sworn financial statement upon request, which evidences the Contractor has adequate financial resources to complete the work being proposed, as well as all other work the Contractor is presently under contract to complete.
5. Has a documented safety program with a history of satisfactory past performance.

6. The Landscape Maintenance Contractor for work under this section shall be licensed by the State of Illinois to apply herbicides and insecticides approved for use in the State of Illinois.
7. Has a record of satisfactory completion of previous projects. Criteria which will be considered in determining satisfactory completion of projects by Contractor will include
 - a. Diligently pursued execution of the work and completed past contracts according to established schedules
 - b. Completed past projects in accordance with the contract documents.

INSURANCE:

Throughout the term of this Agreement, the Contractor shall maintain, at his sole expense, effective insurance covering his activities at the project premises. Said insurance shall be secured from a company(s) licensed to do business in the locale of the Project premises. The Contractor shall furnish the Owner with documentation of this insurance coverage. Such insurance shall be in the amounts stated below.

1. **Commercial General Liability Insurance**
Limits: Each Occurrence and in the Aggregate **\$1,000,000**
 Such insurance shall include completed operations, contractual liability and personal/advertising injury coverage. The policy will name the Village of Algonquin as an additional insured on a primary non-contributory basis.
2. **Commercial Automobile Liability Insurance**
Limits: Each Occurrence **\$1,000,000**
3. **Workers Compensation/Employers Liability Insurance**
Limits: Coverage A **Statutory**
Limits: Coverage B **\$1,000,000**
 The policy will contain a waiver of subrogation clause in favor of the Village of Algonquin.
4. **Professional Liability Coverage** *(required if professional services are being provided)*
Limits: Each Occurrence **\$1,000,000**
 The Contractor shall provide the Village with a copy of the professional liability insurance policy and any endorsements.

INDEMNIFICATION:

Contractor shall indemnify, reimburse and hold the Owner harmless against any and all claims, damages, causes of action, liabilities, expenses, costs and fees, including attorney fees, that Owner incurs arising out of or occurring in connection with Contractor’s performance of the work pursuant to this Agreement.

PAYMENTS:

Contractor shall submit an Application Payment/Invoice, to the Owner, for services on a monthly basis. The Owner shall render the Contractor regularly scheduled payments in remuneration for the Contractor’s Maintenance Services in amounts as specified. Said payments shall be made in advance of each scheduled period, net (30) days from the Contractor’s invoice date. The Owner shall give prompt reply to all questions or requests of the Contractor pertaining to the Maintenance and shall promptly approve or reject all Contractor submittals.

PROJECT CONDITIONS:

In order for the Contractor to properly perform and complete his work, the Owner must cooperate by providing him with access to the work areas and any staging, offloading or preparation areas that are required. The Contractor shall be familiar with the Maintenance premises and how the existing conditions will affect his work during maintenance services. The Contractor shall visit and examine the site to become acquainted with the adjacent areas, means of approach to the site and conditions of actual job site. Failure to visit the site or failure to examine any and all Contract Documents will in no way relieve the Contractor from necessity of furnishing any materials or equipment, or performing any work that may be required to complete the work in accordance with the RFP. Neglect of above requirements will not be accepted as reason for delay in the work or additional compensation. The Owner shall provide full information regarding all requirements for the Maintenance, not specifically contained herein, and shall establish and maintain an effective communications system with the Contractor throughout all phases of the Maintenance.

SEQUENCING AND SCHEDULING:

Upon acceptance of the proposal, the Contractor shall coordinate with the Owner to arrange a schedule of services and shall continue coordination at intervals set forth by the Owner. The Owner shall diligently endeavor to facilitate the Contractor's work by providing reasonable access to all work areas. The Owner shall facilitate the Contractor's Services program by providing access to the project premises during both regular business hours and, as is necessary, at other times so that the Contractor can conduct both regular, scheduled maintenance and any special service(s). Further, the Owner shall assure the Contractor of the availability of off-loading and staging areas and other facilities required for the efficient performance of the work. Maintenance shall include a complete, regularly scheduled program (and as agreed upon with Owner) for maintaining the health and appearance of the project's landscape and plantings. These services shall be carried out by trained and qualified service technician(s) at all times. The Contractor is responsible for all aspects of landscape maintenance during the term of the agreement.

Landscaping Services:

STREET BED MAINTENANCE:

Algonquin's Downtown houses twenty-one (21) raised beds. There are fifteen (15) street beds along Main Street and six (6) raised beds in the pocket park located between 8 S. Main St. (currently Bold American Fare restaurant) and 2 S. Main St. (the Historic Village Hall).

- Open ground between plants shall be kept weed-free using mechanical or chemical methods.
- All plant material shall be kept free of insects and disease.
- At all times public and environmental safety is to be considered when applying pesticides.
- Street beds shall be fertilized, with a complete fertilizer, as appropriate, and as recommended by the Contactor.
- Litter and debris shall be removed during maintenance visits in order to ensure a neat appearance.
- Soil surfaces shall be raked smooth and cultivated regularly.
- Perennials plants shall be deadheaded and staked at appropriate times to maintain a neat appearance.
- Contractor is responsible for monitoring irrigation quantity in street beds and making recommendations to Village staff on adjustments to the drip irrigation systems that may need to be made.
- All beds shall receive a Spring Clean-up and a Fall Clean-up.

Spring Clean-Up:

Spring clean-up is to include the cutting back of ornamental grasses and perennials. Removal of any leaf debris. Application of pre-emergent herbicide which shall be applied and raked into soil. Street beds shall be top-dressed with 2" of shredded hardwood mulch.

Fall Clean-Up:

Fall clean-up is to include the removal of any leaf debris. Perennials and grasses to be left up during winter months. Post-emergent herbicide shall be applied. Any recommended protection of plant material during winter months should all be applied at this time as well.

Selective Pruning:

Pruning of the street trees shall not be performed/allowed under this contract. Pruning of shrubs to be conducted according to plant species mandates (considerations must be made for flowering, fall color, etc.). Shrubs should be kept at appropriate heights and shall maintain a natural, non-formal look. Shrubs shall be pruned to ensure they do not affect pedestrians or vehicular right-of-way. Any recommended rejuvenation pruning shall first be approved by Village.

MAIN STREET PEDESTRIAN BRIDGE RAIL PLANTERS:

The Main Street Pedestrian Bridge, located just South of Algonquin Rd., has four (4) Rail Planters located on the East side of the bridge. Rail planters measure 132" x 22" x 18". These planters contain perennial plants.

- Open ground between plants shall be kept weed-free using mechanical or chemical methods.
- All plant material shall be kept free of insects and disease.
- At all times public and environmental safety is to be considered when applying pesticides.
- Street beds shall be fertilized, with a complete fertilizer, as appropriate, and as recommended by the Contactor.
- Litter and debris shall be removed during maintenance visits in order to ensure a neat appearance.
- Soil surfaces shall be raked smooth and cultivated regularly.
- Perennials plants shall be deadheaded and staked at appropriate times to maintain a neat appearance.
- It is the responsibility of the Contractor to arrange for, and oversee watering of the planters and hanging baskets.
- Contractor is responsible for monitoring the watering needs of the plants, and providing irrigation in bridge rail planters of sufficient quantities and as often as needed to provide plants that are consistently healthy and thriving in appearance.
- All beds shall receive a Spring Clean-up and a Fall Clean-up.
- Planters shall be top-dressed with 2" of shredded hardwood mulch.

Seasonal Rotations:

HANGING BASKETS:

All Hanging Baskets shall receive summer and winter displays. Proposed displays shall be pre-approved by Village and shall compliment seasonal rotations in freestanding planters, and compliment the street bed plant profile.

- Contractor to pick up hanging baskets from the Village to grow summer displays in late January.
- Winter displays shall be removed and disposed.
- Cocoa liners and soil shall be replaced.
- Summer displays shall be grown in hanging baskets (cocoa liners, soil, plants, greenhouse, propagation, maintenance, and other means necessary to provide full, healthy summer displays for May 15th delivery, shall be provided by the Contractor).
- Baskets shall contain a full display upon delivery, and shall be maintained throughout the season by the Contractor to provide a full, healthy, and thriving appearance until basket pick-up occurs in late October.
- Contractor to coordinate delivery with Owner, deliver, and hang, all hanging baskets no later than May 15th.

- Hanging Baskets shall be picked up by contractor in late October.
- Summer displays shall be removed and disposed.
- Hanging baskets shall be filled with winter displays that have been pre-approved by the Village.
- Contractor to deliver and hang all hangings no later than the Friday before Thanksgiving.

Hanging Baskets Main Street

Main street houses a total forty (40) Planters Unlimited 30” Hanging Baskets. There are twenty-eight (28) hanging baskets on street poles and the pedestrian bridge along Main St. between the intersections of Algonquin Road (Route 62) and IL. Route 31. Additionally, there are twelve (12) hanging baskets on poles in the pocket park located between 2 and 8 S. Main St.

Hanging Baskets – Downtown Parks (LaFox River Dr., S. Harrison St., Cornish Park and Riverfront Park)

The river front area houses a total forty-six (46) Anderson #10 hanging baskets mounted on light poles. These planters are located primarily at Riverfront Park. Other locations include LaFox River Dr., South Harrison St., and Cornish Park.

FREE-STANDING PLANTERS:

Free-standing planters receive varying seasonal displays. Proposed displays shall be pre-approved by Owner. Contractor to deliver and install all plant material. Because the timing of seasonal installations can be weather dependent, installations shall be discussed and coordinated with the Owner. Display installations shall generally occur as follows; Spring – approximately April 15th, Summer – approximately May 15th, Fall – approximately the last week of September, Winter - the Friday before Thanksgiving. Contractor is responsible for ensuring ample topsoil in containers prior to plantings. Plantings should complement the street planters and the hanging baskets.

The following exhibits provides details on the type, size, location, and number of planters, as well as, what seasons the planters receive.

Main Street: IL. Route 62 to IL. Route 31			
<u>Planter Type</u>	<u>Size</u>	<u>Quantity</u>	<u>Seasons</u>
Campania Easton	22.5"	9	Spring, Summer, Fall, Winter
Campania Millbridge	26.5"	15	Spring, Summer, Fall, Winter
	TOTAL	24	

Clock Tower: Cornish Park at Harrison Street			
<u>Planter Type</u>	<u>Size</u>	<u>Quantity</u>	<u>Seasons</u>
Glazed Pot	18x12"	2	Summer
Glazed Pot	30x24"	4	Summer
	TOTAL	6	

Harrison Street and Riverfront Park:			
<u>Planter Type</u>	<u>Size</u>	<u>Quantity</u>	<u>Seasons</u>
Glazed Pot	18x12"	8	Summer
Glazed Pot	30x24"	5	Summer
	TOTAL	13	

MAINTENANCE OF HANGING BASKETS & FREESTANDING PLANTERS:

- Spent or dead blooms, including stems, declining foliage and plant debris shall be removed to encourage continued blooming and maintain a neat appearance.
- Plants shall be fertilized with either a balanced liquid or bloom-inducing fertilizer to consistently promote lushness and colorful displays.
- It is the responsibility of the Contractor to arrange for, and oversee, watering of the planters and hanging baskets.
- Contractor is responsible for monitoring water needs of the plants, and providing irrigation of sufficient quantities and as often as needed (typically many times per week) to provide plants that are consistently healthy and thriving in appearance.
- Plants shall be monitored for the presence of insects or diseases and shall be treated accordingly. An Integrated Pest Management (IPM) strategy, emphasizing least toxic choices, preventative cultural practices and most effective and cost-efficient results shall be implemented.
- Litter shall be removed.
- Seasonal displays shall not be void of plant material at any time.
- Should any plant material need to be replaced due to impacts beyond those for which the Contractor is responsible as noted in this document (i.e. watering, fertilization, and insect and disease control) the Contractor shall provide a proposal for replacement, which shall be submitted to, and approved by, the Owner prior to replacement installation.
- Any plant material that substantially fails due to lack of watering, fertilization, improper insect and disease management, or any other maintenance as required by the Contractor via this document, shall be fully replaced by the Contractor, as soon as practicable, at no expense to the Owner.
- The Owner and Contractor agree to foster timely plant replacement processes.

Timeline of Selection Process

The timeline for selecting a firm and anticipated project schedule is as follows:

<u>Item of Action</u>	<u>Date</u>
Request for Proposal Issued	January 18, 2021.
Questions on Request for Proposal Due	January 29, 2021.
Deadline for Proposal Submission	February 3, 2021.
Presentation to Board	February 9, 2021
Contract Finalized	February 19, 2021.
Anticipated Contract Start	April 1, 2021

Miscellaneous Provisions:

ACCEPTANCE OF PURCHASE AGREEMENT:

The selected proposing firm must follow the following general requirements to be hired by the Village:

RESERVATION OF RIGHTS:

The Village reserves the right to amend the RFP schedule or issue amendments to the RFP at any time. The Village also reserves the right to cancel or reissue the RFP, to reject any or all proposals, to waive any irregularities or informalities in the selection process, and to accept or reject any item or combination of items. The Village reserves the right to request clarification of information from any proposer or to request supplemental material deemed necessary to assist in the evaluation of the proposal. The Village reserves the right to effect any agreement deemed by the Village to be in its best interest. This RFP does not obligate the Village to accept or contract for any expressed or implied services. The Village reserves the right to award the services, as described in the section titles "Scope of Services," in total or in part, to any combination of proposers.

CONTRACT TERMINATION:

In the event that the proposer to whom any services are awarded does not execute a contract within thirty (30) calendar days after Village Board approval, the Village may give notice to such proposer of intent to award the contract to the next most qualified proposer or to call for new proposals and may proceed to act accordingly. The executed contract may be terminated by the Village in the event the successful proposer:

- Fails to meet delivery schedules;
- Fails to perform in accordance with this contract; and/or
- Becomes insolvent and/or files for protection under the bankruptcy laws.

The vendor shall be entitled to just and equitable compensation for any satisfactory work completed through the termination date. Under no circumstances will any damages be paid as a result of the termination of this contract. If the Village exercises the right to terminate the contract early, the vendor may be prohibited from submitting future proposals to the Village. This document and the response shall serve as or be referenced in the final agreement between the Village and Contractor.

COSTS OF RESPONSE:

The Village will not reimburse any proposer for any of the costs involved in the preparation and submission of responses to this RFP or in the preparation for and attendance at subsequent interviews. Proposer Responsibilities Proposers shall thoroughly examine and be familiar with these specifications. The failure or omission of any proposer to receive or examine this document shall in no way relieve any proposer of obligations with respect to this proposal or the subsequent contract.

SAFETY:

Insofar as jobsite safety is concerned, the Contractor is responsible solely for its own and its employees' activities on the jobsite, but this shall not be construed to relieve the Owner or any construction contractors from their responsibilities for maintaining a safe jobsite. Neither the professional activities of the Contractor, nor the presence of the Contractor or its employees and subcontractors, shall be construed to imply the Contractor has any responsibility for the methods of work performance, superintendence, sequencing of construction, or safety in, on or about the jobsite by others.

COMPLIANCE WITH LAWS:

During the performance of work, Contractor agrees to give all notices and comply with all Laws and Regulations of the United States and/or the State of Illinois applicable to the performance of the Work, including but not limited to those Laws and Regulations regarding the payment of prevailing wages, non-discrimination laws, employment of Illinois workers, labor, wage and collective bargaining. Except where otherwise expressly required by applicable Laws and Regulations, the Owner shall not be responsible for monitoring Contractor's compliance with any Laws or Regulations.

Proposal Forms

Proposals must adhere to the format of these forms and content of this RFP. Proposals will not be evaluated unless all parts of the form are submitted in complete package. The information set forth is the minimum required in order to qualify for consideration.

Firm Name: _____

Address: _____

Telephone: _____ Date: _____

Street Bed Maintenance Services Proposal:

In compliance with your Request to Propose, we propose to furnish all materials, labor and equipment and services necessary to perform the Landscape Maintenance Services for a period of one (1) years for the above stated project, for an annual fee of (inclusive of all state and local state taxes):

_____ Dollars

<u>Services:</u>	<u>Proposed Total:</u>
Maintenance:	
Street Bed/Bridge Rail Planter Maintenance	\$
Seasonal Rotation Maintenance:	\$
Seasonal Rotations:	
Hanging Baskets (Downtown Parks)	\$
Hanging Baskets (Main Street)	\$
Free-Standing Planters	\$
Contract Total for One (1) Year:	\$
Monthly Payment:	\$

Indicate number of visits for maintenance: _____

Indicated projected number of visits for watering: _____

RFP Form Price Authorization:

By signing this RFP form, such action certifies that the Proposer has personal knowledge of the following:

That said Proposer has examined the RFP and specifications, carefully prepared the RFP form, and has checked the same in detail before submitting said proposal; and that said proposer, or the agents, officers, or employees thereof, have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive proposals in connection with this RFP.

That all of said work will be performed at the proposer's own proper cost and expense. The proposer will furnish all necessary materials, labor, tools, machinery, apparatus and other means of construction in the manner provided in the applicable specifications, and at the time stated in the contract.

The undersigned, being a reputable Landscape Contractor and having submitted the necessary pre-qualification forms, hereby submits in good faith and in full accordance with all specifications, attached or integral, his/her Request for Proposal for the landscape services of:

Name of Contractor: _____

Authorize Signature: _____ Date: _____

Name & Title of Signatory: _____

RFP Form: Proposal Content & Submission Information

Submitting Proposal, Proposal Components & Evaluation Criteria

All respondents to the RFP must include the items provided in the following list. All the listed items should be addressed completely and should follow, as closely as possible, the order and format in which it is listed below. These categories and criteria will be major considerations in the evaluation and determination of the most qualified and capable firm(s). The sequence of the listing is not intended to reflect the relative weight of each category.

LETTER OF TRANSMITTAL:

- A. Statement indicating an understanding of the work to be performed and interest in
- B. performing the scope of work;
- C. Discuss consultants' availability over the next 6-12 months; and
- D. Identify one (1) key contact person for communicating with the Village on the proposal and all project-related matters

INSURANCE:

- A. Submit a certificate of Insurance from your insurance agent or insurance company that evidences your company's ability to obtain the minimum insurance requires as outlined above.

QUALIFICATIONS/PROJECT PORTFOLIO:

- A. Areas of specialization;
- B. Practice philosophy;
- C. Years in the business and history of firm; and
- D. Examples of three (3) to five (5) success projects the firm currently manages or has managed. The projects should be comparable in complexity, size, scope, and discipline (as described in the Scope of Work section) and been undertaken during the past five (5) years.

PROJECT MANAGEMENT:

- A. Introduction to the team (all firm staff and sub-consultants assigned to complete work on the project), including resumes for all the key personnel, which provide educational background/training, experience and detailed descriptions of roles played on past projects;
- B. Services/functional roles to be performed by each team member (including all subconsultants);

- C. Availability and commitment of assigned professionals who will undertake the scope of work; and
- D. Technical resources of the firm and any sub-consultants.

METHODOLOGY AND PROCESS TO COMPLETE WORK:

- A. Describe the vision, strategic overview and approach to the project;
- B. Express how the components above reflect your qualifications for this project;
- C. Discuss what parameters you will engage to ensure the project will be managed in a manner that aligns with the Village's goals and objectives.
- D. Include detailed descriptions of the procedures and methods you propose to use to complete all tasks within the scope of work;
- E. Outline methods of communication and the procedures that will be implemented to ensure the Village is kept informed.
- F. Include detailed descriptions of Quality Assurance Methods, including but not limited to, the number of visits per month that will be scheduled with the Village and your quality control procedures.

REFERENCES:

- A. List at least five (5) municipal references we may contact (preferably from the projects provided in 2(d) of this section that have been undertaken during the past five (5) years) with client contact information (current email and telephone).
- B. Indicate project names and the personnel assigned to this project (including all subconsultants) roles and involvement in each project.

INDUSTRY AWARDS:

- A. List project name and location and type of award.

Understanding & Approach of Scope of Work

Proposal shall describe the approach to the scope of work described in the Scope of Work section of this RFP, including process and schedule. Firms are encouraged to make suggestions to amend the scope of work to achieve the project goals. This criterion will be evaluated based on the proposer's understanding of the project objectives and ability to demonstrate a process that efficiently and effectively achieves the desired outcomes. Reasoned creativity is encouraged. The Village anticipates modifying, where appropriate, the objectives and/or scope of work listed in this RFP based on the firm's experience and expertise in completing similar projects.

Disclosure

Proposal will disclose any professional or personal financial interest which could be a possible conflict of interest in contracting with the Village. Consultant shall further disclose arrangements to derive additional compensation from various products or services, including financial. The firm must also list all current and unresolved litigations, arbitrations, or mediations of the firm in its proposal.



VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT

– M E M O R A N D U M –

DATE: February 10, 2021
TO: Tim Schloneger, Village Manager
FROM: Michele Zimmerman, Assistant Public Works Director
SUBJECT: IDOT Close Out Paperwork – Harper Drive Bike Path

Attached is a supplemental resolution for the expenditure of MFT Funds for the Harper Drive Bike path which was constructed in 2016. When using MFT funds for construction projects, the Village is required to do an initial resolution for the amount of MFT funds we estimate will be spent to engineer and construct the project. Based on the actual bid price and any change orders to the job, the actual cost of the project can be more than our estimated resolution. The final cost of the job is determined by IDOT once they process all the paperwork and balancing change orders.

We received an ITEP (Illinois Transportation Enhancement Program) grant to construct this bike path, for which 80% of the cost of the project was paid for through federal funds distributed through IDOT. In the case of this project, the Village passed an initial resolution to expend \$185,000 for our portion on the project. IDOT's typical time frame for closing out federally funded project is between 3-5 years after they are completed, thus the Village is just receiving the balancing change order and the additional amount owed for our portion of the cost share. Per the attached Final Report of Expenditures from IDOT, the Village owes \$65,026.12

\$185,000.00 Appropriated in initial resolution

<u>Actual Project Costs</u>	
\$195,697.32	Village Share Construction
\$9,360.00	Change Orders to Project
\$ 2,985.27	Design Engineering Costs
<u>\$11,983.53</u>	<u>Construction Oversight Costs</u>
\$65,026.12	Supplemental Resolution needed

Therefore, a supplemental resolution in the amount of \$65,026.12 is needed in order to final out the Harper Drive Bike Path Project (MFT number 14-00087-00-BT) maintenance expenditures. Thus, it is our recommendation that the Committee of the Whole take action to move this matter forward to the Village Board for approval of this supplemental resolution.



Final Report of Expenditures



Local Public Agency Village of Algonquin	County Lake	Section Number 14-00087-00-BT
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Contractor Copenhaver Construction	Award Date 09/08/15	Award Amount \$703,432.08
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Was this project a bondable capital improvement? Yes No

Financial Statement						
Total Funds Received		Expenditures				Surplus/Deficit
Source	Amount	Construction	Engineering	Right of Way		
Fed	\$503,856.00	\$503,856.00				\$0.00
MFT	\$195,697.32	\$195,697.32				\$0.00
MFT	\$9,360.00	\$9,360.00				\$0.00
MFT Phase II			\$32,985.27			(\$32,985.27)
Fed Phase III Eng			\$47,934.11			(\$47,934.11)
MFT Phase III Eng			\$11,983.53			(\$11,983.53)
						-
Total Funds Received	\$708,913.32					
	Total Expenditures:	\$708,913.32	\$92,902.91			
Add					Project Total	\$801,816.23

Remarks
Contract # 61B80, Job # C-91-377-15

The improvement was constructed in accordance with the plans approved by the Department on Date

Final inspection of the designated work was made by the Department on Date and it was

found to be completed substantially in accordance with the requirements of the plans, specifications and contract. The financial statement is in accordance with department records.

This improvement shall henceforth be maintained by: Village of Algonquin
Public Agency

Prepared By Date

Title of Preparer

Submitted: Local Public Agency Signature Date Approved: Regional Engineer, DOT Date

Title

Instructions for BLR 13510 - Page 1 of 2

Form instructions are not to be submitted with the form.

This form shall be used when a Local Public Agency (LPA) has completed a project or has abandoned a project prior the construction phase. This forms accounts for any Motor Fuel Tax, Federal Funds and/or State funds authorized/used on the project. For more information see Chapter 13 of the Bureau of Local Roads and Street Manual (BLRS Manual). For signature requirements, refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

Local Public Agency	Insert the name of the LPA
County	Insert the name of the county in which the LPA is located.
Section Number	Insert the section number associated with this project.
Contractor	Insert the name of the contractor if applicable.
Award Date	Insert the date the contract was awarded, if applicable.
Award Amount	Insert the contract award amount, if applicable
Was this project a bondable capital improvement?	Check Yes if the project was a bondable capital improvement, check no if it was not. An example of a bondable capital project may include, but is not limited to: project development, design, land acquisition, demolition when done in preparation for additional bondable construction, construction engineering, reconstruction of a roadway, designed overlay extension or new construction of roads, bridges, ramps, overpasses and underpasses, bridge replacement and/or major bridge rehabilitation. Permanent ADA sidewalk/ramp improvements and seeding/sodding are eligible expenditures if part of a larger capital bondable project. A bondable capital improvement project does not mean the LPA was required to sell bonds to fund the project, however the project did meet the criteria to be bondable.
Source of Funding	Insert the source of funding, use a separate line for each different source of funding
Amount	Insert the dollar amount of the funds for the type of funding listed to the left. For MFT funds insert the amount of funds authorized.
Construction	Insert the dollar amount expended for Construction for the fund type listed to the left.
Engineering	Insert the dollar amount expended for engineering for the fund type listed to the left.
Right of Way	Insert the dollar amount expended for right of way for the fund type listed to the left.
Other	This column is to be used for type "other" expenditures. Insert in the column heading the type, for example if this is being
Surplus/Deficit	This is the sum of the total funds received minus the amounts expended for all applicable types for this funding. (This is a calculated field, no entry necessary)
Total Funds Received	This is the total of all funds received for this project.
Total Expenditures	Under each type of expenditure, this is the total of funds expended for that type.
Project Total	The Project total is the sum of all expenditures for all types of work.
Remarks	Insert any applicable remarks concerning this project.
Date	Insert the date the plans were approved by IDOT for this project if applicable.
Date	Insert the date of the final inspection by IDOT for this project if applicable.

Instructions for BLR 13510 - Page 2 of 2

Public Agency	Insert the name of the entity the will maintain this improvement.
Prepared By	Insert the name of the person preparing this form, along with the date prepared.
Title of Preparer	Insert the title of the person preparing this form.
Title	Insert the title of LPA representative that signed above.
Title of Preparer	Insert the title of the person preparing this form.
Local Public Agency	The LPA representative shall sign and date here.
Title	Insert the title of LPA representative that signed above.

Three (3) signed originals must be submitted to the Regional Engineer's District office.

Following IDOT's approval, distribution will be as follows:

- Local Public Agency Clerk
- Engineer (Municipal, Consultant or County)
- District



Resolution for Maintenance Under the Illinois Highway Code



Resolution Number [] Resolution Type Supplemental Section Number 14-00087-00-BT

BE IT RESOLVED, by the Board of the Village of Algonquin Illinois that there is hereby appropriated the sum of sixty five thousand twenty six dollars and twelve cents Dollars (\$65,026.12)

of Motor Fuel Tax funds for the purpose of maintaining streets and highways under the applicable provisions of Illinois Highway Code from 09/05/15 to 12/31/16

BE IT FURTHER RESOLVED, that only those operations as listed and described on the approved Estimate of Maintenance Costs, including supplemental or revised estimates approved in connection with this resolution, are eligible for maintenance with Motor Fuel Tax funds during the period as specified above.

BE IT FURTHER RESOLVED, that Village of Algonquin shall submit within three months after the end of the maintenance period as stated above, to the Department of Transportation, on forms available from the Department, a certified statement showing expenditures and the balances remaining in the funds authorized for expenditure by the Department under this appropriation, and

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

I Margaret Auger Village Clerk in and for said Village of Algonquin in the State of Illinois, and keeper of the records and files thereof, as provided by statute, do hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the Board of Algonquin at a meeting held on

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this Day of Month, Year

(SEAL)

Clerk Signature []

APPROVED

Regional Engineer Department of Transportation Date []

Instructions for BLR 14220

This form shall be used when a Local Public Agency (LPA) wants to perform maintenance operations using Motor Fuel Tax (MFT) funds. Refer to Chapter 14 of the Bureau of Local Roads and Streets Manual (BLRS Manual) for more detailed information. This form is to be used by a Municipality or a County. Road Districts will use BLR 14221. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Resolution Number	Insert the resolution number as assigned by the LPA, if applicable.
Resolution Type	From the drop down box, choose the type of resolution: -Original would be used when passing a resolution for the first time for this project. -Supplemental would be used when passing a resolution increasing appropriation above previously passed resolutions. -Amended would be used when a previously passed resolution is being amended.
Section Number	Insert the section number of the improvement covered by the resolution.
Governing Body Type	From the drop down box choose the type of administrative body. Choose Board for County; Council or President and Board of Trustees for a City, Village or Town.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Resolution Amount	Insert the dollar value of the resolution for maintenance to be paid for with MFT funds in words, followed by the same amount in numerical format in the ().
Beginning Date	Insert the beginning date of the maintenance period. Maintenance periods must be a 12 or 24 month consecutive period.
Ending Date	Insert the ending date of the maintenance period.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Name of Clerk	Insert the name of the LPA Clerk.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Governing Body Type	From the drop down box choose the type of administrative body. Choose Board for County; Council or President and Board of Trustees for a City, Village or Town.
Name of LPA	Insert the name of the LPA.
Date	Insert the date of the meeting.
Day	Insert the day the Clerk signed the document.
Month, Year	Insert the month and year of the clerk's signature.
Clerk Signature	Clerk shall sign here.
Approved	The Department of Transportation representative shall sign and date here upon approval.

Three (3) certified signed originals must be submitted to the Regional Engineer's District office. Following IDOT's approval, distribution will be as follows:

Local Public Agency Clerk
Engineer (Municipal, Consultant or County)
District