

A stylized illustration of a tree with a thick, brown trunk and several branches. The foliage is represented by overlapping, rounded shapes in various shades of green, creating a cloud-like canopy. The text is centered within the upper part of the canopy.

Tree Risk Assessment City of Littleton Phase I

Prepared for:
**Forest C. Trees
City Arborist
Littleton, OH**

Prepared by:
**Arborescens Consulting, LLC
1924 Park Dr.
Littleton, OH**

November 1, 2025

EXECUTIVE SUMMARY

On October 26, 2025, I performed a Level 1 tree risk assessment of the street trees along First, Second, and Third Streets in downtown Littleton according to the scope of work provided by City Arborist, Mr. Forest Trees. Of the 147 trees assessed, I rated one tree (silver maple, 37 First St.) to be *high* risk. I immediately alerted Mr. Trees to this, as specified in the scope of work. The high rating was due to an imminent likelihood of failure of a large (10-inch) hanging branch. Pruning to remove the offending branch and mitigate the risk was performed the next day, leaving a residual risk rating of *low*.

Of the remaining 146 trees, 13 were rated as *moderate* risk, and the remainder were rated as *low* risk. All of the moderate risk trees are located along First Street. The risk ratings are elevated to *moderate* due, in part, to the *frequent* occupancy rate of vehicular traffic, as well as various structural problems associated with aging silver maples. Overmature silver maples are likely to present conditions of concern or defects that require additional scrutiny. Almost all of the risks identified can be mitigated with pruning.

I recommend a Level 2 assessment be performed on the silver maple at 122 First Street. This tree has obvious signs of basal decay (conks and frass from carpenter ants). The extent of decay should be assessed to determine the risk and the most appropriate mitigation strategy based on the City's acceptable level of risk. Depending on the results of the Level 2 assessment, the City might consider a Level 3 advanced assessment to more precisely estimate the location and extent of the decay, if the tree value is sufficient to warrant it.

The data sheet for this Level 1 assessment is included with this report.

SCOPE OF WORK SUMMARY

1. Perform a Level 1 tree risk assessment of all the street trees between the sidewalk and the curb along First, Second, and Thirds Streets.
2. Assessment shall be performed as a walk-by.
3. Time frame for the assessment shall be three years.
4. Targets to be considered are “people under the tree” and “occupied vehicles”. There is no streetside parking on these streets.
5. The occupancy rate of people under the tree for all three streets shall be considered *occasional*. The occupancy rates for occupied vehicles on First Street shall be *frequent*, and for Second and Third Street shall be *occasional*.
6. The risk report shall be delivered electronically to the City Arborist, Forest Trees, no later than close of business November 5, 2025.
7. The report shall note any trees that are recommended for a higher-level assessment (Level 2 or Level 3).
8. The report shall include a data sheet with the following data:
 - a. Location of the trees
 - b. Tree identification
 - c. Tree diameter based on inventory provided
 - d. Targets and their occupancy rates
 - e. Likelihood of impact
 - f. Likelihood of failure
 - g. Combined likelihood of failure and impact
 - h. Consequences of failure and impact
 - i. Risk rating
 - j. Recommended mitigation
 - k. Residual risk after mitigation
 - l. Other pertinent notes, as applicable
9. City of Littleton forestry depart shall be notified immediately of any risk ratings of *high* or *extreme*, and any likelihood of failure ratings of *imminent*.

LIMITS OF THE ASSESSMENT

This assessment consisted of a visual inspection from the ground, performed on October 26, 2025, and was focused on observable defects and conditions, from the perspective of a walk-by assessment performed from sidewalk along each street. A Level 1 limited visual risk assessment is defined by the International Society of Arboriculture¹ as a visual assessment from a specified perspective of an individual tree or a population of trees near specified targets to identify specified conditions or obvious defects. Limitations of a Level 1 assessment include:

- Only obvious conditions that are seen from the specified perspective on the day of the assessment are included.
- Internal, belowground, or upper-crown conditions, as well as certain types of decay, may be impossible to see.

- Some conditions may not be visible from an inspection of one side of a tree and some conditions are not visible throughout the year.
- Observations may be limited by foliage, structures, snow accumulation, vines or other plants, soil, or mulch.
- A Level 1 risk assessment may not be adequate to recommend risk mitigation measures.

Tree risk assessments are based on the conditions observed at the time of inspection. Tree and site conditions change over time and changes can occur rapidly. Furthermore, failures can occur on apparently defect-free trees, especially during storm events.

The qualitative assessment approach employed in this report involves the judgment of the tree risk assessor, which is inherently subjective and based on the assessor's unique experience and knowledge.

RISK ASSESSMENT

Assessment Framework

To evaluate and characterize the risk associated with the trees in this report, I applied terminology and methodology detailed in *Best Management Practices: Tree Risk Assessment* Third edition (E. T. Smiley, N. Matheny, S. Lilly, B. Kane, R. Klein, and B. Brantley, 2025).

Risk is characterized as the combination of likelihood of tree failure striking people or property, and the consequences of that failure. The referenced time frame for any failure to occur is three years. These assessments are then integrated into a risk rating. The following steps were conducted for these trees:

Step One: Failure Likelihood Assessment

I identified the tree part(s) most likely to fail and rated the likelihood for failure using these categories:

- **Improbable** – failure is not likely in normal or severe weather within the specified time frame
- **Possible** – failure is not likely in normal weather but may occur in severe weather within the specified time frame
- **Probable** – failure may occur in normal weather and is expected to occur in severe weather within the specified time frame
- **Imminent** – failure has begun or will occur soon in normal weather or with minimal additional loading

Step Two: Target Presence Evaluation

I rated the likelihood that the target would be present at the time of failure, using a scale of very low, low, medium, or high. This assessment considers the frequency with which a person is present, i.e. its occupancy, and any factors that could affect the tree as it falls.

- **Very Low** – The chance of the failed tree or tree part impacting the specified target is remote.
- **Low** – There is a slight chance that the failed tree or tree part will impact the target.
- **Medium** – The failed tree or tree part could impact the target but is not expected to do so.
- **High** – The failed tree or tree part is likely to impact the target.

Step Three: Impact Likelihood Determination

Using the likelihood matrix (Table 1, Appendix A), I identified the likelihood of the tree failure impacting the specific target, categorized as unlikely, somewhat likely, likely, or very likely.

Step Four: Consequence Rating

I rated the consequences if a person or property were struck by that tree part using these severity levels:

- **Negligible** – no personal injury, low-value property damage, or disruptions that can be replaced or repaired
- **Minor** – minor personal injury, low- to moderate-value property damage, or small disruption of activities
- **Significant** – substantial personal injury, moderate- to high-value property damage, or considerable disruption of activities
- **Severe** – serious personal injury or death, high-value property damage, or major disruption of important activities

Step Five: Risk Rating Integration

Using the ratings for likelihood of failure and striking the target and the consequences of the failure, I identified the risk (*low, moderate, high, extreme*) using the risk matrix (Table 2, Appendix A).

Assessment of Risk

On October 26, 2025, I performed a Level 1 tree risk assessment of the street trees along First, Second, and Third Streets in downtown Littleton according to the scope of work provided by City Arborist, Mr. Forest Trees.

Of the 147 trees assessed, I rated one tree (silver maple, 37 First St.) to be *high* risk. Occupied vehicles with frequent occupancy were rated as *medium* likelihood of impact. This ~28-inch silver maple (*Acer saccharinum*) had a large, detached branch of approximately 10 inches in diameter, hanging over the road. I rated the likelihood of failure as *imminent*. Combined with a consequences of failure rating of *severe*, the risk rating for this tree was *high*. I immediately alerted Mr. Trees to this, as specified in the scope of work. A city forestry crew removed the offending branch and mitigated the risk the next day, leaving a residual risk rating of *low*.

Of the remaining 146 trees, 13 were rated as *moderate* risk, and the remainder were rated as *low* risk. All of the moderate-risk trees are located along First Street. The elevated risk ratings were due, in part, to the *frequent* occupancy rate of vehicular traffic on First Street. In addition, there are a significant number of large over-mature silver maples (planted in the 1960s) along this street. Overmature silver maples are likely to present conditions of concern or defects that require additional scrutiny. Fewer such trees remain along Second and Third Streets. The majority of defects identified across all three streets were dead branches of various sizes.

The silver maple at 122 First Street has obvious signs of basal decay (conks and frass from carpenter ants). Unfortunately, a Level 1 assessment is not adequate to estimate the extent and location of the decay. I recommend a follow-up Level 2 assessment to determine whether this tree is a candidate for removal. Depending on those results, a Level 3 advanced assessment may be warranted to more precisely estimate the location and extent of decay.

Three of the trees assessed have codominant stems with included bark: 79 First Street, 62 First Street, and 105 Second Street. This structural defect can increase likelihood of failure, especially over time.

The data sheet for this Level 1 assessment is included with this report.

RECOMMENDATIONS

1. **Perform a Level 2 assessment on the silver maple at 122 First Street.** This tree shows obvious signs of basal decay and requires further evaluation to determine its structural integrity and whether removal is warranted. Consider a Level 3 advanced assessment if the Level 2 results indicate the need for more precise quantification of decay location and extent.
2. **Mitigate structural defects in three silver maples with codominant stems.** Install support cables and prune both trees on First Street (79 First St. and 62 First St.). For the tree at 105 Second Street, install both a steel cable and a bracing rod in addition to pruning.
3. **Remove dead, broken, and hanging branches throughout the assessment area.** Prune all trees with these defects to mitigate risk. The majority of defects identified in this assessment fall into this category and can be easily addressed through routine pruning operations.
4. **Consider additional pruning for low-risk trees.** Although low-risk trees do not require immediate mitigation, the City can further reduce risk by removing dead branches from these trees as well. While this work is not a priority, specific trees that would benefit from this pruning are noted in the data sheet.

This report concludes the findings of the inspection process. The conclusions herein are based on the facts, data, and information available as of the date of this document. Should further information or evidence come to light, I reserve the right to update, revise, or supplement these opinions as appropriate.

BIBLIOGRAPHY

1. Dunster, Lilly, Smiley, Matheny, Brantley, Kane, and Klein 2025. *Tree Risk Assessment Manual*. International Society of Arboriculture, Atlanta, GA.
2. Smiley, E.T, N. Matheny, S. Lilly, B. Kane, R, Klein, and B. Brantley, 2025. *Best Management Practices – Tree Risk Assessment*. International Society of Arboriculture, Atlanta GA.

APPENDIX A

Table 1: Matrix to estimate the likelihood of a tree failure impacting a specified target.

Likelihood of Failure	Likelihood of Impacting Target			
	<i>Very Low</i>	<i>Low</i>	<i>Medium</i>	<i>High</i>
<i>Imminent</i>	Unlikely	Somewhat likely	Likely	Very likely
<i>Probable</i>	Unlikely	Unlikely	Somewhat likely	Likely
<i>Possible</i>	Unlikely	Unlikely	Unlikely	Somewhat likely
<i>Improbable</i>	Unlikely	Unlikely	Unlikely	Unlikely

Table 2: Risk rating matrix showing the level of risk as a combination of likelihood of a tree failing and impacting a specified target, and the severity of the associated consequences.

Likelihood of Failure and Impact	Consequences			
	<i>Negligible</i>	<i>Minor</i>	<i>Significant</i>	<i>Severe</i>
<i>Very likely</i>	Low	Moderate	High	Extreme
<i>Likely</i>	Low	Moderate	High	High
<i>Somewhat likely</i>	Low	Low	Moderate	Moderate
<i>Unlikely</i>	Low	Low	Low	Low

APPENDIX B

Assumptions and Limiting Conditions

Any legal description provided to the consultant is assumed to be correct. Any titles and ownership to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character.

It is assumed that any property is not in violation of any applicable codes, ordinance, statutes, or other government regulations.

Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.

The consultant shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.

Unless required by law otherwise, the possession of this report or a copy thereof does not imply right of publication or use for any other purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant/appraiser.

Unless required by law otherwise, neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales, or other media, without the prior expressed conclusions, identity of the consultant/appraiser, or any reference to any professional society or institute or to any initiated designation conferred upon the consultant/appraiser as stated in his qualifications.

This report and any values expressed herein represent the opinion of the consultant, and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.

Sketches, drawings, and photographs in this report, being intended for visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise. The reproduction of any information generated by engineers, architects, or other consultants on any sketches, drawings, or photographs is for the express purpose of coordination and ease of reference only. Inclusion of said information on any drawings or other documents does not constitute a representation by Alice Arborist to the sufficiency or accuracy of said information.

Unless expressed otherwise:

a. information contained in this report covers only those items that were examined and reflects the conditions of those items at the time of inspection; and

b. the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.

This report concludes the findings of the inspection process. The conclusions herein are based on the facts, data, and information available as of the date of this document. Should further information or evidence come to light, I reserve the right to update, revise, or supplement these opinions as appropriate.

Loss or alteration of any part of this report invalidates the entire report.

APPENDIX C

Certification of Performance

I, Alice Arborist, hereby certify that:

1. I have personally inspected the trees and the property referred to in this report and have stated my findings accurately.
2. I have no personal interest or bias with respect to the parties involved.
3. The analysis, opinions, and conclusions were developed, and this report has been prepared, according to commonly accepted arboricultural practices.
4. All the statements of fact in this report are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

I further certify that I am an International Society of Arboriculture Certified Arborist® (OH-99999) and I hold the ISA Tree Risk Assessment Qualification (TRAQ). I have been involved in the study of horticulture and the care of trees for over 17 years.

Signed: *Alice Arborist*

Date: 11/1/2025

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Approx.					
Location		Scientific Name	Common Name	DBH	Target	Occupancy Rate	Failure Type	LOI	LOF
21	First Street	Acer saccharinum	silver maple	32	People under tree	Occasional	dead branches <6"	low	probable
21	First Street	Acer saccharinum	silver maple	32	Occupied vehicle	Frequent	dead branches <6"	medium	probable
35	First Street	Quercus rubra	red oak	29	People under tree	Occasional	dead branches <4"	low	probable
35	First Street	Quercus rubra	red oak	29	Occupied vehicle	Frequent	dead branches <4"	medium	probable
37	First Street	Acer saccharinum	silver maple	28	People under tree	Occasional	10" hanging branch	low	imminent
37	First Street	Acer saccharinum	silver maple	28	Occupied vehicle	Frequent	10" hanging branch	medium	imminent
53	First Street	Quercus rubra	red oak	30	People under tree	Occasional	dead branches <4"	low	probable
53	First Street	Quercus rubra	red oak	30	Occupied vehicle	Frequent	dead branches <4"	medium	probable
65	First Street	Quercus rubra	red oak	24	People under tree	Occasional	dead branches <4"	low	probable
65	First Street	Quercus rubra	red oak	24	Occupied vehicle	Frequent	dead branches <4"	medium	probable
79	First Street	Acer saccharinum	silver maple	37	People under tree	Occasional	18" codom stems, incl bark	low	possible
79	First Street	Acer saccharinum	silver maple	37	Occupied vehicle	Frequent	18" codom stems, incl bark	medium	possible
97	First Street	Gleditsia triacanthos	honeylocust	20	People under tree	Occasional	dead branch 8"	low	probable
97	First Street	Gleditsia triacanthos	honeylocust	20	Occupied vehicle	Frequent	dead branch 8"	medium	probable
99	First Street	Gleditsia triacanthos	honeylocust	21	People under tree	Occasional	no concern	low	improbable
99	First Street	Gleditsia triacanthos	honeylocust	21	Occupied vehicle	Frequent	no concern	low	improbable
105	First Street	Acer platanoides	Norway maple	20	People under tree	Occasional	dead branches <4"	low	probable
105	First Street	Acer platanoides	Norway maple	20	Occupied vehicle	Frequent	dead branches <4"	medium	probable
131	First Street	Quercus rubra	red oak	24	People under tree	Occasional	no concern	low	improbable
131	First Street	Quercus rubra	red oak	24	Occupied vehicle	Frequent	no concern	low	improbable
136	First Street	Quercus rubra	red oak	23	People under tree	Occasional	dead branches <4"	low	probable
136	First Street	Quercus rubra	red oak	23	Occupied vehicle	Frequent	dead branches <4"	medium	probable
122	First Street	Acer saccharinum	silver maple	29	People under tree	Occasional	whole tree - basal decay	low	probable
122	First Street	Acer saccharinum	silver maple	29	Occupied vehicle	Frequent	whole tree - basal decay	medium	probable
114	First Street	Acer platanoides	Norway maple	18	People under tree	Occasional	dead branches <4"	low	probable
114	First Street	Acer platanoides	Norway maple	18	Occupied vehicle	Frequent	dead branches <4"	medium	probable
102	First Street	Acer saccharinum	silver maple	32	People under tree	Occasional	dead branches <6"	low	probable
102	First Street	Acer saccharinum	silver maple	32	Occupied vehicle	Frequent	dead branches <6"	medium	probable
88	First Street	Acer saccharinum	silver maple	31	People under tree	Occasional	dead branch 10"	low	probable
88	First Street	Acer saccharinum	silver maple	31	Occupied vehicle	Frequent	dead branch 10"	medium	probable
86	First Street	Acer saccharinum	silver maple	26	People under tree	Occasional	no concern	low	improbable
86	First Street	Acer saccharinum	silver maple	26	Occupied vehicle	Frequent	no concern	low	improbable
62	First Street	Acer saccharinum	silver maple	23	People under tree	Occasional	15" codom stems, incl. bark	low	possible
62	First Street	Acer saccharinum	silver maple	23	Occupied vehicle	Frequent	15" codom stems, incl. bark	medium	possible

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Risk				Res.	
Location		Scientific Name	Common Name	LOFI	Consequences	Rating	Mitigation	Risk	Notes
21	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low	Notified city
21	First Street	Acer saccharinum	silver maple	somewhat likely	severe	moderate	prune deadwood	low	
35	First Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
35	First Street	Quercus rubra	red oak	somewhat likely	significant	moderate	prune deadwood	low	
37	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune hanging branch	low	
37	First Street	Acer saccharinum	silver maple	likely	significant	high	prune hanging branch	low	
53	First Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
53	First Street	Quercus rubra	red oak	somewhat likely	significant	moderate	prune deadwood	low	
65	First Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
65	First Street	Quercus rubra	red oak	somewhat likely	significant	moderate	prune deadwood	low	
79	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable	low	
79	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable	low	
97	First Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
97	First Street	Gleditsia triacanthos	honeylocust	somewhat likely	severe	moderate	prune deadwood	low	
99	First Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low	
99	First Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low	
105	First Street	Acer platanoides	Norway maple	unlikely	severe	low	prune deadwood	low	
105	First Street	Acer platanoides	Norway maple	somewhat likely	significant	moderate	prune deadwood	low	
131	First Street	Quercus rubra	red oak	unlikely	negligible	low		low	
131	First Street	Quercus rubra	red oak	unlikely	negligible	low		low	
136	First Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
136	First Street	Quercus rubra	red oak	somewhat likely	significant	moderate	prune deadwood	low	
122	First Street	Acer saccharinum	silver maple	unlikely	severe	low	pending Level 2	low	Level 2 recommended, decay assessment
122	First Street	Acer saccharinum	silver maple	somewhat likely	severe	moderate	pending Level2	low	
114	First Street	Acer platanoides	Norway maple	unlikely	severe	low	prune deadwood	low	
114	First Street	Acer platanoides	Norway maple	somewhat likely	significant	moderate	prune deadwood	low	
102	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low	
102	First Street	Acer saccharinum	silver maple	somewhat likely	severe	moderate	prune deadwood	low	
88	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low	
88	First Street	Acer saccharinum	silver maple	somewhat likely	severe	moderate	prune deadwood	low	
86	First Street	Acer saccharinum	silver maple	unlikely	negligible	low		low	
86	First Street	Acer saccharinum	silver maple	unlikely	negligible	low		low	
62	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable	low	
62	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable	low	

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Approx.					
Location		Scientific Name	Common Name	DBH	Target	Occupancy Rate	Failure Type	LOI	LOF
46	First Street	Gleditsia triacanthos	honeylocust	21	People under tree	Occasional	no concern	low	improbable
46	First Street	Gleditsia triacanthos	honeylocust	21	Occupied vehicle	Frequent	no concern	low	improbable
34	First Street	Acer saccharinum	silver maple	29	People under tree	Occasional	dead branches <4"	low	probable
34	First Street	Acer saccharinum	silver maple	29	Occupied vehicle	Frequent	dead branches <4"	medium	probable
20	First Street	Acer saccharinum	silver maple	33	People under tree	Occasional	dead branches <4"	low	probable
20	First Street	Acer saccharinum	silver maple	33	Occupied vehicle	Frequent	dead branches <4"	medium	probable
16	First Street	Quercus rubra	red oak	24	People under tree	Occasional	no concern	low	improbable
16	First Street	Quercus rubra	red oak	24	Occupied vehicle	Frequent	no concern	low	improbable
14	First Street	Quercus rubra	red oak	22	People under tree	Occasional	no concern	low	improbable
14	First Street	Quercus rubra	red oak	22	Occupied vehicle	Frequent	no concern	low	improbable
23	Second Street	Quercus rubra	red oak	30	People under tree	Occasional	dead branches <4"	low	probable
23	Second Street	Quercus rubra	red oak	30	Occupied vehicle	Occasional	dead branches <4"	low	probable
33	Second Street	Quercus rubra	red oak	25	People under tree	Occasional	dead branches <4"	low	probable
33	Second Street	Quercus rubra	red oak	25	Occupied vehicle	Occasional	dead branches <4"	low	probable
37	Second Street	Acer saccharinum	silver maple	39	People under tree	Occasional	17" codom stems, incl bark	low	possible
37	Second Street	Acer saccharinum	silver maple	39	Occupied vehicle	Occasional	17" codom stems, incl bark	low	possible
55	Second Street	Gleditsia triacanthos	honeylocust	19	People under tree	Occasional	dead branch 9"	low	probable
55	Second Street	Gleditsia triacanthos	honeylocust	19	Occupied vehicle	Occasional	dead branch 9"	low	probable
75	Second Street	Gleditsia triacanthos	honeylocust	22	People under tree	Occasional	no concern	low	improbable
75	Second Street	Gleditsia triacanthos	honeylocust	22	Occupied vehicle	Occasional	no concern	low	improbable
79	Second Street	Acer platanoides	Norway maple	18	People under tree	Occasional	dead branches <4"	low	probable
79	Second Street	Acer platanoides	Norway maple	18	Occupied vehicle	Occasional	dead branches <4"	low	probable
95	Second Street	Cercis canadensis	redbud	14	People under tree	Occasional	no concern	low	improbable
95	Second Street	Cercis canadensis	redbud	14	Occupied vehicle	Occasional	no concern	low	improbable
99	Second Street	Quercus rubra	red oak	24	People under tree	Occasional	dead branches <4"	low	probable
99	Second Street	Quercus rubra	red oak	24	Occupied vehicle	Occasional	dead branches <4"	low	probable
105	Second Street	Acer saccharinum	silver maple	35	People under tree	Occasional	18" codom stems, incl bark	low	possible
105	Second Street	Acer saccharinum	silver maple	35	Occupied vehicle	Occasional	18" codom stems, incl bark	low	possible
143	Second Street	Gleditsia triacanthos	honeylocust	17	People under tree	Occasional	dead branch 8"	low	probable
143	Second Street	Gleditsia triacanthos	honeylocust	17	Occupied vehicle	Occasional	dead branch 8"	low	probable
136	Second Street	Acer saccharinum	silver maple	31	People under tree	Occasional	dead branch 10"	low	probable
136	Second Street	Acer saccharinum	silver maple	31	Occupied vehicle	Occasional	dead branch 10"	low	probable
120	Second Street	Acer saccharinum	silver maple	27	People under tree	Occasional	no concern	low	improbable
120	Second Street	Acer saccharinum	silver maple	27	Occupied vehicle	Occasional	no concern	low	improbable

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Risk		Res.		Notes
Location	Scientific Name	Common Name	LOFI	Consequences	Rating	Mitigation	Risk	
46	First Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low
46	First Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low
34	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low
34	First Street	Acer saccharinum	silver maple	somewhat likely	significant	moderate	prune deadwood	low
20	First Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low
20	First Street	Acer saccharinum	silver maple	somewhat likely	significant	moderate	prune deadwood	low
16	First Street	Quercus rubra	red oak	unlikely	negligible	low		low
16	First Street	Quercus rubra	red oak	unlikely	negligible	low		low
14	First Street	Quercus rubra	red oak	unlikely	negligible	low		low
14	First Street	Quercus rubra	red oak	unlikely	negligible	low		low
23	Second Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low
23	Second Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low
33	Second Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low
33	Second Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low
37	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable	low
37	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable	low
55	Second Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low
55	Second Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low
75	Second Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low
75	Second Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low
79	Second Street	Acer platanoides	Norway maple	unlikely	severe	low	prune deadwood	low
79	Second Street	Acer platanoides	Norway maple	unlikely	significant	low	prune deadwood	low
95	Second Street	Cercis canadensis	redbud	unlikely	negligible	low		low
95	Second Street	Cercis canadensis	redbud	unlikely	negligible	low		low
99	Second Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low
99	Second Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low
105	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable/brace	low
105	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune /cable/brace	low
143	Second Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low
143	Second Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low
136	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low
136	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low
120	Second Street	Acer saccharinum	silver maple	unlikely	negligible	low		low
120	Second Street	Acer saccharinum	silver maple	unlikely	negligible	low		low

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

			Approx.					
Location	Scientific Name	Common Name	DBH	Target	Occupancy Rate	Failure Type	LOI	LOF
114 Second Street	Ginkgo biloba	ginkgo	19	People under tree	Occasional	no concern	low	improbable
114 Second Street	Ginkgo biloba	ginkgo	19	Occupied vehicle	Occasional	no concern	low	improbable
104 Second Street	Gleditsia triacanthos	honeylocust	17	People under tree	Occasional	dead branch 8"	low	probable
104 Second Street	Gleditsia triacanthos	honeylocust	17	Occupied vehicle	Occasional	dead branch 8"	low	probable
88 Second Street	Gleditsia triacanthos	honeylocust	23	People under tree	Occasional	no concern	low	improbable
88 Second Street	Gleditsia triacanthos	honeylocust	23	Occupied vehicle	Occasional	no concern	low	improbable
78 Second Street	Quercus rubra	red oak	24	People under tree	Occasional	no concern	low	improbable
78 Second Street	Quercus rubra	red oak	24	Occupied vehicle	Occasional	no concern	low	improbable
60 Second Street	Quercus rubra	red oak	22	People under tree	Occasional	no concern	low	improbable
60 Second Street	Quercus rubra	red oak	22	Occupied vehicle	Occasional	no concern	low	improbable
46 Second Street	Ginkgo biloba	ginkgo	20	People under tree	Occasional	no concern	low	improbable
46 Second Street	Ginkgo biloba	ginkgo	20	Occupied vehicle	Occasional	no concern	low	improbable
38 Second Street	Ginkgo biloba	ginkgo	20	People under tree	Occasional	no concern	low	improbable
38 Second Street	Ginkgo biloba	ginkgo	20	Occupied vehicle	Occasional	no concern	low	improbable
20 Second Street	Acer saccharinum	silver maple	30	People under tree	Occasional	dead branches <4"	low	probable
20 Second Street	Acer saccharinum	silver maple	30	Occupied vehicle	Occasional	dead branches <4"	low	probable
12 Second Street	Acer saccharinum	silver maple	34	People under tree	Occasional	dead branches <4"	low	probable
12 Second Street	Acer saccharinum	silver maple	34	Occupied vehicle	Occasional	dead branches <4"	low	probable
23 Third Street	Quercus palustris	pin oak	20	People under tree	Occasional	no concern	low	improbable
23 Third Street	Quercus palustris	pin oak	20	Occupied vehicle	Occasional	no concern	low	improbable
35 Third Street	Quercus palustris	pin oak	24	People under tree	Occasional	no concern	low	improbable
35 Third Street	Quercus palustris	pin oak	24	Occupied vehicle	Occasional	no concern	low	improbable
39 Third Street	Quercus palustris	pin oak	20	People under tree	Occasional	no concern	low	improbable
39 Third Street	Quercus palustris	pin oak	20	Occupied vehicle	Occasional	no concern	low	improbable
45 Third Street	Quercus palustris	pin oak	18	People under tree	Occasional	no concern	low	improbable
45 Third Street	Quercus palustris	pin oak	18	Occupied vehicle	Occasional	no concern	low	improbable
67 Third Street	Quercus palustris	pin oak	22	People under tree	Occasional	no concern	low	improbable
67 Third Street	Quercus palustris	pin oak	22	Occupied vehicle	Occasional	no concern	low	improbable
79 Third Street	Quercus palustris	pin oak	22	People under tree	Occasional	no concern	low	improbable
79 Third Street	Quercus palustris	pin oak	22	Occupied vehicle	Occasional	no concern	low	improbable
99 Third Street	Quercus palustris	pin oak	24	People under tree	Occasional	no concern	low	improbable
99 Third Street	Quercus palustris	pin oak	24	Occupied vehicle	Occasional	no concern	low	improbable
101 Third Street	Quercus rubra	red oak	22	People under tree	Occasional	no concern	low	improbable
101 Third Street	Quercus rubra	red oak	22	Occupied vehicle	Occasional	no concern	low	improbable

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Risk			Res.	
Location	Scientific Name	Common Name	LOFI	Consequences	Rating	Mitigation	Risk	Notes
114	Second Street	Ginkgo biloba	ginkgo	unlikely	negligible	low		low
114	Second Street	Ginkgo biloba	ginkgo	unlikely	negligible	low		low
104	Second Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low
104	Second Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low
88	Second Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low
88	Second Street	Gleditsia triacanthos	honeylocust	unlikely	negligible	low		low
78	Second Street	Quercus rubra	red oak	unlikely	negligible	low		low
78	Second Street	Quercus rubra	red oak	unlikely	negligible	low		low
60	Second Street	Quercus rubra	red oak	unlikely	negligible	low		low
60	Second Street	Quercus rubra	red oak	unlikely	negligible	low		low
46	Second Street	Ginkgo biloba	ginkgo	unlikely	negligible	low		low
46	Second Street	Ginkgo biloba	ginkgo	unlikely	negligible	low		low
38	Second Street	Ginkgo biloba	ginkgo	unlikely	negligible	low		low
38	Second Street	Ginkgo biloba	ginkgo	unlikely	negligible	low		low
20	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low
20	Second Street	Acer saccharinum	silver maple	unlikely	significant	low	prune deadwood	low
12	Second Street	Acer saccharinum	silver maple	unlikely	severe	low	prune deadwood	low
12	Second Street	Acer saccharinum	silver maple	unlikely	significant	low	prune deadwood	low
23	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
23	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
35	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
35	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
39	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
39	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
45	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
45	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
67	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
67	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
79	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
79	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
99	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
99	Third Street	Quercus palustris	pin oak	unlikely	severe	low		low
101	Third Street	Quercus rubra	red oak	unlikely	negligible	low		low
101	Third Street	Quercus rubra	red oak	unlikely	negligible	low		low

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

			Approx.					
Location	Scientific Name	Common Name	DBH	Target	Occupancy Rate	Failure Type	LOI	LOF
105 Third Street	Quercus rubra	red oak	30	People under tree	Occasional	dead branches <4"	low	probable
105 Third Street	Quercus rubra	red oak	30	Occupied vehicle	Occasional	dead branches <4"	low	probable
131 Third Street	Gleditsia triacanthos	honeylocust	18	People under tree	Occasional	dead branch 9"	low	probable
131 Third Street	Gleditsia triacanthos	honeylocust	18	Occupied vehicle	Occasional	dead branch 9"	low	probable
139 Third Street	Gleditsia triacanthos	honeylocust	16	People under tree	Occasional	dead branches <4"	low	probable
139 Third Street	Gleditsia triacanthos	honeylocust	16	Occupied vehicle	Occasional	dead branches <4"	low	probable
145 Third Street	Quercus rubra	red oak	30	People under tree	Occasional	dead branches <4"	low	probable
145 Third Street	Quercus rubra	red oak	30	Occupied vehicle	Occasional	dead branches <4"	low	probable
153 Third Street	Quercus palustris	pin oak	18	People under tree	Occasional	no concern	low	improbable
153 Third Street	Quercus palustris	pin oak	18	Occupied vehicle	Occasional	no concern	low	improbable
161 Third Street	Gleditsia triacanthos	honeylocust	17	People under tree	Occasional	dead branches <4"	low	probable
161 Third Street	Gleditsia triacanthos	honeylocust	17	Occupied vehicle	Occasional	dead branches <4"	low	probable
156 Third Street	Quercus rubra	red oak	28	People under tree	Occasional	dead branches <6"	low	probable
156 Third Street	Quercus rubra	red oak	28	Occupied vehicle	Occasional	dead branches <6"	low	probable
150 Third Street	Gleditsia triacanthos	honeylocust	18	People under tree	Occasional	dead branches <4"	low	probable
150 Third Street	Gleditsia triacanthos	honeylocust	18	Occupied vehicle	Occasional	dead branches <4"	low	probable
148 Third Street	Quercus palustris	pin oak	22	People under tree	Occasional	no concern	low	improbable
148 Third Street	Quercus palustris	pin oak	22	Occupied vehicle	Occasional	no concern	low	improbable
144 Third Street	Quercus palustris	pin oak	20	People under tree	Occasional	no concern	low	improbable
144 Third Street	Quercus palustris	pin oak	20	Occupied vehicle	Occasional	no concern	low	improbable
136 Third Street	Quercus rubra	red oak	32	People under tree	Occasional	dead branches <4"	low	probable
136 Third Street	Quercus rubra	red oak	32	Occupied vehicle	Occasional	dead branches <4"	low	probable
126 Third Street	Quercus palustris	pin oak	18	People under tree	Occasional	no concern	low	improbable
126 Third Street	Quercus palustris	pin oak	18	Occupied vehicle	Occasional	no concern	low	improbable
116 Third Street	Quercus palustris	pin oak	18	People under tree	Occasional	no concern	low	improbable
116 Third Street	Quercus palustris	pin oak	18	Occupied vehicle	Occasional	no concern	low	improbable
102 Third Street	Quercus palustris	pin oak	20	People under tree	Occasional	no concern	low	improbable
102 Third Street	Quercus palustris	pin oak	20	Occupied vehicle	Occasional	no concern	low	improbable
88 Third Street	Gleditsia triacanthos	honeylocust	18	People under tree	Occasional	dead branches <4"	low	probable
88 Third Street	Gleditsia triacanthos	honeylocust	18	Occupied vehicle	Occasional	dead branches <4"	low	probable
84 Third Street	Gleditsia triacanthos	honeylocust	16	People under tree	Occasional	dead branches <4"	low	probable
84 Third Street	Gleditsia triacanthos	honeylocust	16	Occupied vehicle	Occasional	dead branches <4"	low	probable
66 Third Street	Quercus palustris	pin oak	24	People under tree	Occasional	no concern	low	improbable
66 Third Street	Quercus palustris	pin oak	24	Occupied vehicle	Occasional	no concern	low	improbable

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

Location	Scientific Name	Common Name	LOFI	Consequences	Risk		Res. Risk	Notes
					Rating	Mitigation		
105 Third Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
105 Third Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low	
131 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
131 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
139 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
139 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
145 Third Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
145 Third Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low	
153 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
153 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
161 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
161 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
156 Third Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
156 Third Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low	
150 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
150 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
148 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
148 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
144 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
144 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
136 Third Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
136 Third Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low	
126 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
126 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
116 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
116 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
102 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
102 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
88 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
88 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
84 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
84 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
66 Third Street	Quercus palustris	pin oak	unlikely	severe	low		low	
66 Third Street	Quercus palustris	pin oak	unlikely	severe	low		low	

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Approx.					
				DBH	Target	Occupancy Rate	Failure Type	LOI	LOF
Location	Scientific Name	Common Name							
46	Third Street	Quercus palustris	pin oak	22	People under tree	Occasional	dead branches <4"	low	probable
46	Third Street	Quercus palustris	pin oak	22	Occupied vehicle	Occasional	dead branches <4"	low	probable
32	Third Street	Quercus rubra	red oak	30	People under tree	Occasional	dead branches <6"	low	probable
32	Third Street	Quercus rubra	red oak	30	Occupied vehicle	Occasional	dead branches <6"	low	probable
22	Third Street	Quercus palustris	pin oak	22	People under tree	Occasional	no concern	low	improbable
22	Third Street	Quercus palustris	pin oak	22	Occupied vehicle	Occasional	no concern	low	improbable
16	Third Street	Gleditsia triacanthos	honeylocust	16	People under tree	Occasional	dead branches <4"	low	probable
16	Third Street	Gleditsia triacanthos	honeylocust	16	Occupied vehicle	Occasional	dead branches <4"	low	probable
12	Third Street	Quercus palustris	pin oak	22	People under tree	Occasional	no concern	low	improbable
12	Third Street	Quercus palustris	pin oak	22	Occupied vehicle	Occasional	no concern	low	improbable

CITY OF LITTLETOWN, OH

LEVEL 1 TREE RISK ASSESSMENT - PHASE 1

				Risk				
				Res.		Risk		
Location	Scientific Name	Common Name	LOFI	Consequences	Rating	Mitigation	Risk	Notes
46 Third Street	Quercus palustris	pin oak	unlikely	severe	low	prune deadwood	low	
46 Third Street	Quercus palustris	pin oak	unlikely	severe	low	prune deadwood	low	
32 Third Street	Quercus rubra	red oak	unlikely	severe	low	prune deadwood	low	
32 Third Street	Quercus rubra	red oak	unlikely	significant	low	prune deadwood	low	
22 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
22 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
16 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
16 Third Street	Gleditsia triacanthos	honeylocust	unlikely	severe	low	prune deadwood	low	
12 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	
12 Third Street	Quercus palustris	pin oak	unlikely	negligible	low		low	